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2023 - 2032
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PWC
Fayetteville's
HOME TOWN UTILITY



FY 2023 Capital Improvement Program

**Commission Review
May 11, 2022**

Commissioners

**Evelyn O. Shaw, Chairwoman
Ronna Rowe Garrett, Vice Chairwoman
Donald L. Porter, Secretary
Wade R. Fowler, Jr., Treasurer**

**General Manager
Elaina Ball**

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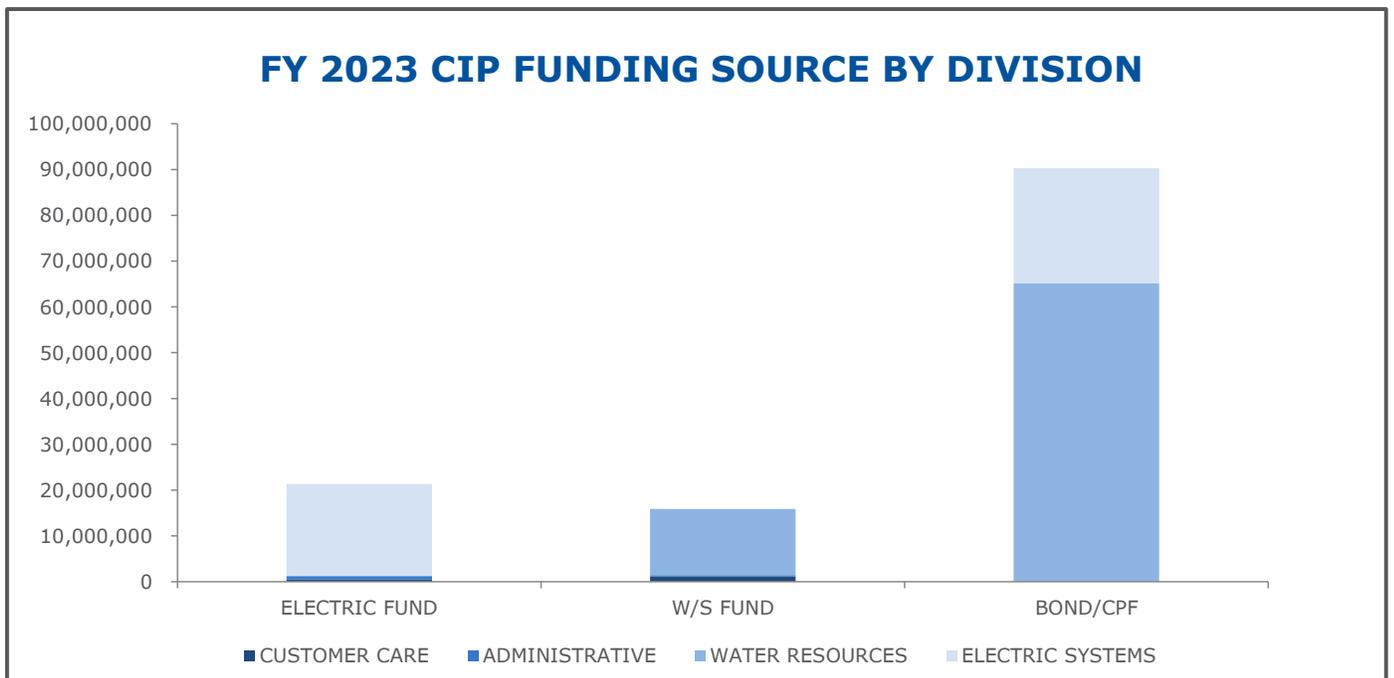
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CIP BY CATEGORY - ALL FUNDS

DIVISION	ACCOUNT	ELECTRIC FUND	W/S FUND	ELECTRIC & W/S FUNDS	BOND FUND / NC STATE LOAN / CPF	TOTAL ALL FUNDS
CUSTOMER CARE	<i>ELECTRIC DISTRIBUTION</i>	497,000		497,000		497,000
	<i>WATER DISTRIBUTION</i>		1,141,000	1,141,000		1,141,000
	TOTAL CUSTOMER CARE	497,000	1,141,000	1,638,000		1,638,000
ADMINISTRATIVE	<i>STRUCTURES & IMPROVEMENTS</i>	749,500	271,500	1,021,000		1,021,000
	TOTAL ADMINISTRATIVE	749,500	271,500	1,021,000		1,021,000
WATER RESOURCES	<i>LAND & LAND RIGHTS-W/S</i>		40,000	40,000		40,000
	<i>WATER DISTRIBUTION</i>		6,211,000	6,211,000	10,688,000	16,899,000
	<i>SANITARY SEWER COLLECTION</i>		7,151,000	7,151,000	37,358,000	44,509,000
	<i>GLENVILLE LAKE PLANT</i>		265,000	265,000		265,000
	<i>P.O. HOFFER WATER PLANT</i>		35,000	35,000	6,562,000	6,597,000
	<i>CROSS CREEK TRMT. PLANT</i>		0	0	3,555,000	3,555,000
	<i>ROCKFISH TRMT. PLANT</i>		785,000	785,000	7,043,000	7,828,000
TOTAL WATER RESOURCES			14,487,000	14,487,000	65,206,000	79,693,000
ELECTRIC SYSTEMS	<i>LAND & LAND RIGHTS-ELEC</i>	500,000		500,000		500,000
	<i>STRUCTURES & IMPROVEMENTS</i>	400,000		400,000	1,800,000	2,200,000
	<i>GENERATION PLANT</i>	1,500,000		1,500,000	18,050,000	19,550,000
	<i>TRANSMISSION PLANT</i>	2,500,000		2,500,000	2,500,000	5,000,000
	<i>DISTRIBUTION PLANT</i>	13,175,000		13,175,000	2,725,000	15,900,000
	<i>TELECOM-CABLE INFRASTRUCTURE</i>	300,000		300,000		300,000
	<i>COMMUNICATIONS EQUIPMENT</i>	850,000		850,000		850,000
	<i>INHOUSE COMPUTER SYSTEMS</i>	850,000		850,000		850,000
TOTAL ELECTRIC SYSTEMS	20,075,000		20,075,000	25,075,000	45,150,000	
TOTAL CIP		21,321,500	15,899,500	37,221,000	90,281,000	127,502,000



PROJECT FUNDING SUMMARY

REF. #	2023 PROJECT LISTING	ELECTRIC FUND	W/S FUND	BOND FUND / NC DOT RESERVE / CPF	TOTAL
CUSTOMER CARE					
CD 1	Electric Meters and Metering Equipment	497,000	-	-	497,000
	ELECTRIC DISTRIBUTION	497,000	-	-	497,000
CD 2	Water Meters	-	1,141,000	-	1,141,000
	WATER DISTRIBUTION	-	1,141,000	-	1,141,000
	TOTAL CUSTOMER CARE	497,000	1,141,000	-	1,638,000
ADMINISTRATIVE					
AD 3	Roof Replacement for the Electric and Water Vehicle Sheds	182,000	104,000	-	286,000
AD 4	Space Planning and Utilization Project	400,000	-	-	400,000
AD 5	Replace Fuel Island Diesel Storage Tank	167,500	167,500	-	335,000
	STRUCTURES & IMPROVEMENTS	749,500	271,500	-	1,021,000
	TOTAL ADMINISTRATIVE	749,500	271,500	-	1,021,000
WATER RESOURCES					
WS 1	Land and Land Rights - Water	-	20,000	-	20,000
WS 44	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	-	618,000	-	618,000
WS 3	Water Lateral Renewals (PWC Forces)	-	788,000	-	788,000
WS 4	New Hydrant and Valve Installation	-	230,000	-	230,000
WS 5	Water Distribution System Rehabilitation	-	-	6,000,000	6,000,000
WS 7	Phase V Annexation - Water Main Extension	-	-	2,708,000	2,708,000
WS 8	Replace Existing Water Mains not Encased Under Railroad Crossings	-	1,535,000	-	1,535,000
WS 9	Chicken Foot Road 16" Water Main Interconnect	-	-	1,025,000	1,025,000
WS 10	West Fayetteville Pressure Zone Improvements	-	256,000	-	256,000
WS 12	Cliffdale Road Transmission Water Main Improvements	-	-	370,000	370,000
WS 13	Russell St Water Main Replacement, Gillespie St to Eastern Blvd	-	110,000	-	110,000
WS 15	US HWY 401 North - Elevated Water Tank (Contract 3)	-	-	-	-
WS 16	High Pressure Zone Transmission Water Main Improvements	-	175,000	-	175,000
WS 18	Ramsey Street Water Transmission Main Improvements No. 1	-	440,000	-	440,000
WS 19	Water Improvements to serve the 401 N. Industrial Site	-	35,000	-	35,000
WS 26	Utility Improvements for City of Fayetteville Storm Drainage Improve	-	555,000	-	555,000
WS 27	Utility Improvements for the Town of Hope Mills Stormwater Projects	-	25,000	-	25,000
WS 28	Utility Improvements for NCDOT Resurfacing and Stormwater Project	-	10,000	-	10,000
WS 29	NC 59 Water Main Extension from Church St. to Parkton Rd.	-	-	-	-
WS 31	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks Drive to f	-	250,000	-	250,000
WS 34	NCDOT U-2519B A/BB Fayetteville Outer Loop from South of US 401	-	15,000	-	15,000
WS 35	NCDOT W-5806C- Rosehill Rd. Intersection Improvements (Tamarac)	-	19,000	585,000	604,000
WS 37	NCDOT U-4900 Murchison Road Widening - Water	-	510,000	-	510,000
WS 39	NCDOT U-5798 A - Gillis Hill Rd Widening - Water	-	40,000	-	40,000
WS 40	NCDOT U-5798 B - Gillis Hill Road Widening - Water	-	170,000	-	170,000
WS 41	NCDOT U-3422 Camden Rd Widening - Water	-	370,000	-	370,000
WS 42	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - Water	-	60,000	-	60,000
	WATER DISTRIBUTION	-	6,211,000	10,688,000	16,899,000
WS 45	New Sewer Service Laterals and Sewer Main Extensions	-	504,000	-	504,000
WS 46	Sewer Lateral Renewals (PWC Forces)	-	769,000	-	769,000
WS 47	Sanitary Sewer Manhole Rehabilitation	-	2,000,000	-	2,000,000
WS 48	Sanitary Sewer Main Rehabilitation	-	-	5,000,000	5,000,000
WS 49	Lift Station Rehabilitation	-	610,000	-	610,000
WS 52	North Fayetteville Lift Station Upgrades - Phase 4	-	-	165,000	165,000
WS 53	Longview Lift Station and Force Main Upgrade	-	-	1,135,000	1,135,000
WS 55	Replace Lift Station #72 - Cypress Lakes #1	-	593,000	-	593,000
WS 56	Line 54" Outfall - Research Drive to I-95	-	-	575,000	575,000
WS 57	Rockfish Creek Basin Peak Flow Facilities	-	5,000	34,000	39,000
WS 58	Phase V Annexation	-	-	16,931,000	16,931,000
WS 59	Hurricane Matthew Repair of Sewer Mains	-	-	590,000	590,000
WS 60	Replacement of the Shadowlawn Aerial Sewer Crossing	-	1,291,000	-	1,291,000
WS 62	Lamon Street Aerial Sewer Replacement	-	-	-	-
WS 65	Russell St Sewer Main Replacement	-	360,000	-	360,000
WS 68	Replacement of the Cross Creek Outfall, Greensboro Street to Hillsbo	-	-	-	-

PROJECT FUNDING SUMMARY

REF. #	2023 PROJECT LISTING	ELECTRIC FUND	W/S FUND	BOND FUND / NC DOT RESERVE / CPF	TOTAL
WS 78	Big Rockfish Sanitary Sewer Outfall	-	100,000	10,425,000	10,525,000
WS 79	Big Rockfish Sanitary Sewer Outfall - Lift Station Eliminations	-	75,000	2,503,000	2,578,000
WS 88	Sanitary Sewer Improvements to serve the 401 N. Industrial Site	-	105,000	-	105,000
WS 90	Utility Improvements for City of Fayetteville Storm Drainage Improve	-	450,000	-	450,000
WS 91	Utility Improvements for the Town of Hope Mills Stormwater Projects	-	25,000	-	25,000
WS 92	Utility Improvements for NCDOT Resurfacing and Stormwater Project	-	10,000	-	10,000
WS 93	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks Drive to f	-	90,000	-	90,000
WS 95	NCDOT U-2519B A/BB Fayetteville Outer Loop from South of US 401	-	5,000	-	5,000
WS 98	NCDOT U-4900 Murchison Road Widening - Sewer	-	115,000	-	115,000
WS 100	NCDOT U-5798 A - Gillis Hill Rd Widening - Sewer	-	12,000	-	12,000
WS 101	NCDOT U-3422 Camden Rd Widening - Sewer	-	20,000	-	20,000
WS 102	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - Sewer	-	12,000	-	12,000
	SANITARY SEWER COLLECTION	-	7,151,000	37,358,000	44,509,000
WS 24	Kornbow Lake Dam Spillway Replacement	-	265,000	-	265,000
	GLENVILLE LAKE WATER PLANT	-	265,000	-	265,000
WS 20	PO Hoffer WTP / Glenville Lake WTP Reliability Improvements	-	30,000	4,112,000	4,142,000
WS 22	PO Hoffer WTP Capacity Expansion, Phase 3 – Residuals Facilities Exp	-	5,000	100,000	105,000
WS 23	Replace Standby Power Generator at the PO Hoffer WTP	-	-	2,350,000	2,350,000
	P.O. HOFFER WATER PLANT	-	35,000	6,562,000	6,597,000
WS 81	Replace Standby Power Generator at the Cross Creek WRF	-	-	2,040,000	2,040,000
WS 82	Cross Creek WRF Influent Pump Station and Pump Station #3 Rehab	-	-	1,515,000	1,515,000
	CROSS CREEK TREATMENT PLANT	-	-	3,555,000	3,555,000
WS 83	Rockfish Creek WRF Expansion Phase 3	-	20,000	6,658,000	6,678,000
WS 84	Rockfish Creek WRF Screening Improvements	-	-	385,000	385,000
WS 85	Replace Clarifier #3 Mechanism at the Rockfish Creek WRF	-	135,000	-	135,000
WS 86	Replace Rockfish Creek WRF IPS Screw Pumps #1 and #2	-	630,000	-	630,000
	ROCKFISH TREATMENT PLANT	-	785,000	7,043,000	7,828,000
	TOTAL WATER RESOURCES	-	14,487,000	65,206,000	79,693,000
	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 27	T/D Substation Control Building Replacement	400,000	-	-	400,000
EL 32	PO Hoffer 66-12 kV Substation Rebuild	-	-	1,750,000	1,750,000
EL 33	FTI 66-12 kV Substation Rebuild and Relocation	-	-	50,000	50,000
	STRUCTURES & IMPROVEMENTS	400,000	-	1,800,000	2,200,000
EL 45	Gas Turbine #4 Generator Step Up Transformer Replacement	1,000,000	-	-	1,000,000
EL 46	Steam Turbine Generator Exciter Replacement	500,000	-	-	500,000
EL 47	Battery Storage	-	-	50,000	50,000
EL 48	Renewable Resource Development	-	-	18,000,000	18,000,000
EL 49	Community Solar - Sally Hill 2 MW	-	-	-	-
	GENERATION PLANT	1,500,000	-	18,050,000	19,550,000
EL 21	Sub-Transmission Pole Replacement	2,000,000	-	-	2,000,000
EL 22	66 kV System Sectionalizing Improvements	100,000	-	-	100,000
EL 24	T/D Sub Differential and Back-Up Overcurrent Relay Replacement	150,000	-	-	150,000
EL 29	230-67kV Auto-Transformer	-	-	2,500,000	2,500,000
EL 36	POD I 230 kV Switch Replacement	250,000	-	-	250,000
	TRANSMISSION PLANT	2,500,000	-	2,500,000	5,000,000
EL 1	Underground Distribution Infrastructure Installations – New	2,000,000	-	-	2,000,000
EL 2	Overhead Infrastructure Installation - New	50,000	-	-	50,000
EL 3	LED Area Lights - New Installations	450,000	-	-	450,000
EL 4	Padmount Transformers	1,500,000	-	-	1,500,000
EL 5	Overhead Transformers	500,000	-	-	500,000
EL 6	Underground Infrastructure Replacement - Residential	2,500,000	-	-	2,500,000
EL 7	Underground Infrastructure Replacement - Non Residential	1,250,000	-	-	1,250,000
EL 8	Underground Distribution Infrastructure Replacements (Non-Cable)	650,000	-	-	650,000

PROJECT FUNDING SUMMARY

REF. #	2023 PROJECT LISTING	ELECTRIC FUND	W/S FUND	BOND FUND / NC DOT RESERVE / CPF	TOTAL
EL 9	UG Feeder Exit Replacement Substations	275,000	-	-	275,000
EL 10	Overhead Distribution System Circuit Improvements	150,000	-	-	150,000
EL 11	Distribution System Sectionalizing	100,000	-	-	100,000
EL 12	Overhead Infrastructure Improvements	600,000	-	-	600,000
EL 13	Foreign Attachment Make-Ready & Clearance	350,000	-	-	350,000
EL 14	Thoroughfare LED Lighting - New Installations	100,000	-	-	100,000
EL 15	Thoroughfare LED Roadway Lighting-Conversion	250,000	-	-	250,000
EL 16	Conservation Load Reduction (CVR)	150,000	-	-	150,000
EL 17	System Reactive Power Compensation	250,000	-	-	250,000
EL 20	Distribution Automation	300,000	-	-	300,000
EL 23	Distribution Substation Equipment Replacement	100,000	-	-	100,000
EL 25	Distribution Circuit Breaker Replacement	400,000	-	-	400,000
EL 26	T/D Sub 66 kV Power Transformer Protection Equipment Upgrade	400,000	-	-	400,000
EL 28	Distribution Substation 66-12 kV Power Transformer	-	-	1,000,000	1,000,000
EL 30	Black & Decker Substation Rebuild	-	-	225,000	225,000
EL 31	Cumberland Road 66 -12 kV Substation Rebuild	-	-	1,500,000	1,500,000
EL 39	Downtown UG Infrastructure Reliability Improvements	700,000	-	-	700,000
EL 40	Underground Distribution / Streetscape Improvement	50,000	-	-	50,000
EL 55	NCDOT U-4900 Murchison Road Widening	100,000	-	-	100,000
DISTRIBUTION PLANT		13,175,000	-	2,725,000	15,900,000
EL 18	Fiber Optic Cable Line Extensions for Electric System Automation PW	300,000	-	-	300,000
TELECOM-CABLE INFRASTRUCTURE		300,000	-	-	300,000
EL 19	SONET Communications for Smart Grid	100,000	-	-	100,000
EL 44	T/D SCADA System Replacement	750,000	-	-	750,000
COMMUNICATIONS EQUIPMENT		850,000	-	-	850,000
EL 43	DMS Software and Implementation	850,000	-	-	850,000
INHOUSE COMPUTER SYSTEMS		850,000	-	-	850,000
TOTAL ELECTRIC SYSTEMS		20,075,000	-	25,075,000	45,150,000
TOTAL ALL PROJECTS		21,321,500	15,899,500	90,281,000	127,502,000

SUMMARY BY PROJECT

REF #	PROJECT NAME	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 28-32	PRE-FY 2022	FY 2022 EST.	TOTAL COST
(Dollars in thousands)										
CUSTOMER CARE										
CD 1	Electric Meters and Metering Equipment	497	564	616	673	736	4,864	415	475	8,840
CD 2	Water Meters	1,141	1,539	1,740	1,824	1,671	8,518	633	1,017	18,083
TOTAL CUSTOMER CARE		1,638	2,103	2,356	2,497	2,407	13,382	1,048	1,492	26,923
ADMINISTRATIVE										
AD 1	Robert C. Williams Business Center Upfit	0	60	60	60	60	300	33	208	781
AD 2	Multipurpose Building	0	0	300	8,910	1,140	0	0	0	10,350
AD 3	Roof Replacement for the Electric and Water Vehicle	286	0	0	0	0	0	0	0	286
AD 4	Space Planning and Utilization Project	400	3,820	2,100	1,100	0	0	0	260	7,680
AD 5	Replace Fuel Island Diesel Storage Tank	335	0	0	0	0	0	0	218	553
TOTAL ADMINISTRATIVE		1,021	3,880	2,460	10,070	1,200	300	33	686	19,650
WATER RESOURCES										
WS 1	Land and Land Rights - Water	20	20	20	20	20	100	78	375	653
WS 2	New Water Service Laterals and Water Main Extensio	618	636	655	675	695	3,475	751	963	8,468
WS 3	Water Lateral Renewals (PWC Forces)	788	827	868	912	958	4,790	696	743	10,582
WS 4	New Hydrant and Valve Installation	230	235	240	245	250	1,250	112	211	2,773
WS 5	Water Distribution System Rehabilitation	6,000	6,000	6,000	7,500	7,500	45,000	5,829	2,963	86,792
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	2,708	1,883	235	1,313	4,625	10,250	1,648	378	23,040
WS 8	Replace Existing Water Mains not Encased Under Rail	1,535	585	995	885	0	0	621	724	5,345
WS 9	Chicken Foot Road 16" Water Main Interconnect	1,025	0	0	0	0	0	170	154	1,349
WS 10	West Fayetteville Pressure Zone Improvements	256	255	0	0	6,745	3,380	0	175	10,811
WS 11	Sandhill Road 12" Water Main Extension	0	0	0	0	150	1,035	0	0	1,185
WS 12	Cliffdale Road Transmission Water Main Improvemen	370	2,170	0	0	0	0	0	217	2,757
WS 13	Russell St Water Main Replacement, Gillespie St to E	110	0	0	0	0	0	0	146	256
WS 14	Yadkin Road Water Main Replacement	0	0	0	0	60	3,560	0	0	3,620
WS 15	US HWY 401 North - Elevated Water Tank (Contract	0	20	5,370	13	0	0	0	0	5,403
WS 16	High Pressure Zone Transmission Water Main Improv	175	0	250	3,475	2,888	0	0	94	6,882
WS 17	Kings Grant Water Main Looping	0	0	0	0	0	965	0	0	965
WS 18	Ramsey Street Water Transmission Main Improveme	440	440	1,875	1,515	375	0	0	6	4,651
WS 19	Water Improvements to serve the 401 N. Industrial S	35	85	180	595	0	0	0	0	895
WS 20	PO Hoffer WTP / Glenville Lake WTP Reliability Impro	4,142	6,164	0	0	0	0	237	2	10,545
WS 21	PO Hoffer WTF Capacity Expansion, Phase 2	0	0	0	0	60	39,556	2,861	0	42,477
WS 22	PO Hoffer WTF Capacity Expansion, Phase 3 - Residu	105	0	0	8,515	7,430	0	185	709	16,944
WS 23	Repower Standby Power Generator at the PO Hoffer W	2,350	1,545	0	0	0	0	0	0	3,895
WS 24	Kornbow Lake Dam Spillway Replacement	265	0	1,390	926	0	0	57	100	2,738
WS 25	Replacement of Water Mains in Dams	0	0	55	165	365	7,040	0	0	7,625
WS 26	Utility Improvements for City of Fayetteville Storm D	555	555	555	250	250	1,250	175	242	3,832
WS 27	Utility Improvements for the Town of Hope Mills Stor	25	25	25	25	25	125	0	0	250
WS 28	Utility Improvements for NCDOT Resurfacing and Stc	10	10	10	10	10	50	1	0	101
WS 29	NC 59 Water Main Extension from Church St. to Park	0	0	0	0	0	2,940	223	8	3,171
WS 30	NCDOT U-6001 NC 59 Widening, Parkton Road to US	0	0	0	0	0	285	0	0	285
WS 31	NCDOT U-4405 RaeFord Rd Median Improv, Hampton	250	3,750	225	6,220	145	8,345	2,011	278	21,224
WS 32	NCDOT U-6072A SR1112 (Rockfish Rd) from Strickla	0	0	0	0	0	744	0	0	744
WS 33	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd.	0	437	956	687	47	7,177	0	0	9,304
WS 34	NCDOT U-2519B A/BB Fayetteville Outer Loop from S	15	6,015	0	0	0	0	14	1	6,045
WS 35	NCDOT W-5806C- Rosehill Rd. Intersection Improver	604	0	0	0	0	0	0	10	614
WS 36	NCDOT U-5015 Murchison Road (Langdon St to US 4	0	0	0	0	55	140	0	0	195
WS 37	NCDOT U-4900 Murchison Road Widening - Water	510	290	235	85	6,135	15	40	45	7,355
WS 38	NCDOT U-5101(A) Shaw Rd to Stacey Weaver Dr Wic	0	355	200	150	55	2,765	0	3	3,528
WS 39	NCDOT U-5798 A - Gillis Hill Rd Widening - Water	40	40	3,040	0	0	0	100	88	3,308
WS 40	NCDOT U-5798 B - Gillis Hill Road Widening - Water	170	130	90	40	40	1,990	0	7	2,467
WS 41	NCDOT U-3422 Camden Rd Widening - Water	370	95	7,995	90	90	0	206	486	9,332
WS 42	NCDOT U-4709 Rockfish Road, Golfview Drive to NC	60	2,770	50	30	0	0	68	56	3,034
WS 43	NCDOT U-4403(B) Ramsey Street Widening - Water	0	360	300	180	340	9,590	47	12	10,829
WS 44	Land and Land Rights - Sewer	20	20	20	20	20	100	10	20	230
WS 45	New Sewer Service Laterals and Sewer Main Extensio	504	529	555	582	612	3,060	395	514	6,751
WS 46	Sewer Lateral Renewals (PWC Forces)	769	788	807	826	847	4,235	793	763	9,828
WS 47	Sanitary Sewer Manhole Rehabilitation	2,000	2,000	2,100	2,200	2,300	13,000	2,254	1,041	26,895
WS 48	Sanitary Sewer Main Rehabilitation	5,000	5,500	5,500	7,000	7,000	42,500	5,535	5,446	83,481
WS 49	Lift Station Rehabilitation	610	610	610	610	610	1,830	1,487	749	7,116
WS 50	Lift Station Electrical Upgrades	0	110	295	0	0	5,990	0	0	6,395
WS 51	North Fayetteville Lift Station Upgrades - Phase 3	0	0	210	865	915	15,995	0	0	17,985
WS 52	North Fayetteville Lift Station Upgrades - Phase 4	165	0	0	3,015	0	0	157	35	3,372
WS 53	Longview Lift Station and Force Main Upgrade	1,135	0	0	0	0	0	21	121	1,277

SUMMARY BY PROJECT

REF #	PROJECT NAME	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 28-32	PRE-FY 2022	FY 2022 EST.	TOTAL COST
(Dollars in thousands)										
WS 54	King Street Lift Station Replacement	0	0	0	0	0	2,520	0	0	2,520
WS 55	Replace Lift Station #72 - Cypress Lakes #1	593	633	0	0	0	0	0	75	1,301
WS 56	Line 54" Outfall - Research Drive to I-95	575	2,795	1,265	2,905	0	0	125	34	7,699
WS 57	Rockfish Creek Basin Peak Flow Facilities	39	0	0	0	0	0	3,736	2,614	6,389
WS 58	Phase V Annexation	16,931	21,453	29,348	34,496	20,460	56,986	102,185	2,363	284,222
WS 59	Hurricane Matthew Repair of Sewer Mains	590	0	0	0	0	0	4,837	22	5,449
WS 60	Replacement of the Shadowlawn Aerial Sewer Crossi	1,291	0	0	0	0	0	176	98	1,565
WS 61	East Cole Street Sewer Aerial Crossing Replacement	0	0	40	25	605	0	0	0	670
WS 62	Lamon Street Aerial Sewer Replacement	0	380	470	2,970	0	0	0	0	3,820
WS 63	McFadyen Lake Sewer Main Rehabilitation	0	0	0	0	0	3,705	0	0	3,705
WS 64	Murchison Road Sewer Improvements, (Jasper St. to	0	0	70	120	2,270	0	35	0	2,495
WS 65	Russell St Sewer Main Replacement	360	0	0	0	0	0	18	151	529
WS 66	Branson Creek Interceptor Replacement, Phase I	0	0	0	35	220	1,240	0	0	1,495
WS 67	Branson Creek Interceptor Replacement, Phase II	0	0	0	0	60	2,660	0	0	2,720
WS 68	Replacement of the Cross Creek Outfall, Greensboro	0	0	0	1,070	4,610	0	147	128	5,955
WS 69	Line Beaver Creek Outfall, Phase II	0	0	0	0	0	3,040	0	0	3,040
WS 70	Line the Beaver Creek Outfall, Phase III	0	0	0	0	0	2,050	0	0	2,050
WS 71	Line Beaver Creek Outfall, Phase IV	0	0	0	0	0	2,350	0	0	2,350
WS 72	Line Beaver Creek Outfall, Phase V	0	0	0	0	0	2,350	0	0	2,350
WS 73	Line Beaver Creek Outfall, Phase VI	0	0	0	0	0	530	0	0	530
WS 74	Line 54" Outfall - I-95 to Claude Lee Road	0	0	80	780	2,310	0	0	0	3,170
WS 75	Line 54-Inch Outfall, Claude Lee Road to Pennystone	0	0	0	0	90	3,090	0	0	3,180
WS 76	Line 54-Inch Outfall, Pennystone Drive to Laurelwood	0	0	0	0	0	3,170	0	0	3,170
WS 77	Sandy Run Outfall	0	0	0	105	690	11,585	0	0	12,380
WS 78	Big Rockfish Sanitary Sewer Outfall	10,525	5,876	2,483	1,396	0	0	3,755	2,811	26,846
WS 79	Big Rockfish Sanitary Sewer Outfall - Lift Station Elin	2,578	2,174	986	499	0	0	1,158	2	7,397
WS 80	Cross Creek WRF Reliability Improvements	0	260	740	0	10,340	8,440	0	0	19,780
WS 81	Replace Standby Power Generator at the Cross Creek	2,040	0	0	0	0	0	0	503	2,543
WS 82	Cross Creek WRF Influent Pump Station and Pump St	1,515	5,069	0	0	0	0	0	100	6,684
WS 83	Rockfish Creek WRF Expansion Phase 3	6,678	24,018	27,483	17,162	0	0	607	861	76,809
WS 84	Rockfish Creek WRF Screening Improvements	385	0	0	0	0	0	391	1,000	1,776
WS 85	Replace Clarifier #3 Mechanism at the Rockfish Creel	135	0	0	0	0	0	0	200	335
WS 86	Replace Rockfish Creek WRF IPS Screw Pumps #1 ar	630	320	0	0	0	0	0	0	950
WS 87	Replace Rockfish Creek WRF IPS Screw Pumps #3 ar	0	955	0	0	0	0	0	0	955
WS 88	Sanitary Sewer Improvements to serve the 401 N. Ir	105	235	540	2,005	0	0	0	0	2,885
WS 89	Replacement of Sewer Mains in Dams	0	0	55	515	670	17,555	0	0	18,795
WS 90	Utility Improvements for City of Fayetteville Storm D	450	450	450	200	200	1,000	99	187	3,036
WS 91	Utility Improvements for the Town of Hope Mills Stor	25	25	25	25	25	125	0	0	250
WS 92	Utility Improvements for NCDOT Resurfacing and Stc	10	10	10	10	10	50	0	1	101
WS 93	NCDOT U-4405 Raeferd Rd Median Improv, Hampton	90	450	85	2,060	55	7,845	438	36	11,059
WS 94	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd.	0	85	128	98	65	1,793	0	0	2,169
WS 95	NCDOT U-2519B A/BB Fayetteville Outer Loop from 9	5	805	0	0	0	0	10	2	822
WS 96	NCDOT U-6072A SR1112 (Rockfish Rd) from Strickla	0	0	0	0	0	121	0	0	121
WS 97	NCDOT U-5015 Murchison Road (Langdon St to US 4	0	0	0	0	55	130	0	0	185
WS 98	NCDOT U-4900 Murchison Road Widening - Sewer	115	75	65	20	965	15	76	17	1,348
WS 99	NCDOT U-5101(A) Shaw Rd Widening - Sewer	0	245	65	35	30	660	0	2	1,037
WS 100	NCDOT U-5798 A - Gillis Hill Rd Widening - Sewer	12	12	382	0	0	0	45	42	493
WS 101	NCDOT U-3422 Camden Rd Widening - Sewer	20	10	585	13	2	0	25	66	721
WS 102	NCDOT U-4709 Rockfish Road, Golfview Drive to NC	12	837	10	7	0	0	14	13	893
WS 103	NCDOT U-4403(B) Ramsey Street Widening - Sewer	0	210	170	120	250	5,510	535	6	6,801
WS 104	NCDOT U-4403(C) Ramsey Street Widening - Water	0	785	1,045	1,000	500	21,092	0	0	24,422
WS 105	NCDOT U-4403(C) Ramsey Street Widening - Sewerf	0	170	230	220	115	4,270	0	0	5,005
TOTAL WATER RESOURCES		79,693	113,676	109,106	117,660	96,214	406,409	145,194	29,219	1,097,171
ELECTRIC SYSTEMS										
EL 1	Underground Distribution Infrastructure Installations	2,000	2,200	2,400	2,600	2,800	17,000	1,950	2,471	33,421
EL 2	Overhead Infrastructure Installation - New	50	50	50	50	50	250	36	41	577
EL 3	LED Area Lights - New Installations	450	450	450	450	450	2,250	406	400	5,306
EL 4	Padmount Transformers	1,500	1,550	1,600	1,650	1,700	9,000	1,163	1,003	19,166
EL 5	Overhead Transformers	500	500	500	500	500	2,500	339	350	5,689
EL 6	Underground Infrastructure Replacement - Residenti	2,500	2,750	3,000	3,250	3,500	21,250	1,464	3,431	41,145
EL 7	Underground Infrastructure Replacement - Non Resic	1,250	1,350	1,450	1,550	1,650	9,750	5,064	608	22,672
EL 8	Underground Distribution Infrastructure Replacement	650	650	650	650	650	3,250	582	483	7,565
EL 9	UG Feeder Exit Replacement Substations	275	325	375	425	475	3,125	599	255	5,854
EL 10	Overhead Distribution System Circuit Improvements	150	150	100	100	75	375	3	100	1,053
EL 11	Distribution System Sectionalizing	100	100	100	100	100	500	7	200	1,207
EL 12	Overhead Infrastructure Improvements	600	600	600	600	600	3,000	894	1,352	8,246

SUMMARY BY PROJECT

REF #	PROJECT NAME	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 28-32	PRE-FY 2022	FY 2022 EST.	TOTAL COST
(Dollars in thousands)										
EL 13	Foreign Attachment Make-Ready & Clearance	350	350	0	0	0	0	32	293	1,025
EL 14	Thoroughfare LED Lighting - New Installations	100	100	100	100	100	275	568	4	1,347
EL 15	Thoroughfare LED Roadway Lighting-Conversion	250	0	0	0	0	0	464	209	923
EL 16	Conservation Load Reduction (CVR)	150	150	150	150	150	750	1,320	125	2,945
EL 17	System Reactive Power Compensation	250	250	250	200	200	1,000	3,640	82	5,872
EL 18	Fiber Optic Cable Line Extensions for Electric System	300	350	400	450	500	2,750	203	223	5,176
EL 19	SONET Communications for Smart Grid	100	100	100	100	100	500	546	33	1,579
EL 20	Distribution Automation	300	300	450	600	750	3,750	419	45	6,614
EL 21	Sub-Transmission Pole Replacement	2,000	2,000	2,000	2,000	2,000	10,000	1,310	795	22,105
EL 22	66 kV System Sectionalizing Improvements	100	100	100	100	100	500	111	93	1,204
EL 23	Distribution Substation Equipment Replacement	100	100	100	100	100	500	54	27	1,081
EL 24	T/D Sub Differential and Back-Up Overcurrent Relay	150	150	150	150	150	0	0	0	750
EL 25	Distribution Circuit Breaker Replacement	400	0	0	0	0	0	234	191	825
EL 26	T/D Sub 66 kV Power Transformer Protection Equipm	400	400	400	400	400	400	991	376	3,767
EL 27	T/D Substation Control Building Replacement	400	400	400	400	400	0	0	235	2,235
EL 28	Distribution Substation 66-12 kV Power Transformer	1,000	1,000	1,000	1,000	1,000	5,000	2,150	890	13,040
EL 29	230-67kV Auto-Transformer	2,500	0	0	0	0	3,200	0	0	5,700
EL 30	Black & Decker Substation Rebuild	225	0	0	0	0	0	0	137	362
EL 31	Cumberland Road 66 -12 kV Substation Rebuild	1,500	100	0	0	0	0	0	0	1,600
EL 32	PO Hoffer 66-12 kV Substation Rebuild	1,750	100	0	0	0	0	0	0	1,850
EL 33	FTI 66-12 kV Substation Rebuild and Relocation	50	1,000	2,200	500	0	0	0	0	3,750
EL 34	POD IV 230-66 kV Substation	0	0	0	0	125	15,850	1,432	0	17,407
EL 35	POD V 230-66 kV Substation	0	0	0	0	0	25,000	22	0	25,022
EL 36	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	69	27	1,596
EL 38	ROW Additions Transmission - Asset Protection	350	350	500	500	500	2,500	0	225	4,925
EL 39	Downtown UG Infrastructure Reliability Improvement	700	750	0	0	0	0	0	202	1,652
EL 40	Underground Distribution / Streetscape Improvemen	50	50	50	50	50	250	0	0	500
EL 41	CoF Langdon St Widening Project	0	300	0	0	0	0	0	0	300
EL 42	CoF Person St 300 - 600 Block Streetscape Improver	0	0	0	0	0	1,650	0	0	1,650
EL 43	DMS Software and Implementation	850	625	0	0	0	0	0	820	2,295
EL 44	T/D SCADA System Replacement	750	0	0	0	0	0	0	0	750
EL 45	Gas Turbine #4 Generator Step Up Transformer Repl	1,000	0	0	0	0	0	0	0	1,000
EL 46	Steam Turbine Generator Exciter Replacement	500	0	0	0	0	0	0	0	500
EL 47	Battery Storage	50	0	0	0	0	0	431	2,500	2,981
EL 48	Renewable Resource Development	18,000	3,000	0	0	0	0	119	1,127	22,246
EL 49	Community Solar - Sally Hill 2 MW	0	0	1,175	4,375	0	0	0	0	5,550
EL 50	NCDOT U-5015 Murchison Road Improvement	0	0	0	0	0	2,050	0	0	2,050
EL 51	Bragg Boulevard Gateway Improvement - Phase II	0	0	0	0	0	2,300	0	0	2,300
EL 52	NCDOT U-5798B Gillis Hill Road Widening	0	0	0	0	0	2,700	0	0	2,700
EL 53	NCDOT U-4403B Ramsey Street Widening	0	0	0	0	0	7,150	0	0	7,150
EL 54	NCDOT U-4403C Ramsey Street Widening US 401 By	0	0	0	0	0	30,050	0	0	30,050
EL 55	NCDOT U-4900 Murchison Road Widening	100	1,750	2,600	0	0	0	0	0	4,450
EL 56	NCDOT U-5101 Stacey Weaver Drive Widening	0	0	0	0	0	7,875	0	0	7,875
EL 57	NCDOT U-4404 Cliffdale Road Widening	0	0	0	0	0	5,200	0	0	5,200
EL 58	NCDOT U-6133 Cliffdale Road / Skibo Road Intersect	0	0	0	0	0	2,100	0	0	2,100
EL 59	NCDOT U-6209 Cliffdale Road Widening	0	0	0	0	0	4,050	0	0	4,050
EL 60	NCDOT U-6213 Ireland Drive Widening	0	0	0	0	0	3,350	0	0	3,350
EL 61	NCDOT U-6152 Robeson Street Access Management	0	0	0	0	0	2,350	0	0	2,350
TOTAL ELECTRIC SYSTEMS		45,150	24,600	23,550	23,250	19,325	216,050	26,622	19,353	397,900
TOTAL ALL PROJECTS		127,502	144,259	137,472	153,477	119,146	636,141	172,897	50,750	1,541,644

SUMMARY BY CATEGORY

REF #	PROJECT NAME	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 28-32	PRE-FY 2022	FY 2022 EST.	TOTAL COST
(Dollars in thousands)										
METERS										
CD 1	Electric Meters and Metering Equipment	497	564	616	673	736	4,864	415	475	8,840
CD 2	Water Meters	1,141	1,539	1,740	1,824	1,671	8,518	633	1,017	18,083
	TOTAL METERS	1,638	2,103	2,356	2,497	2,407	13,382	1,048	1,492	26,923
BUILDINGS & IMPROVEMENTS										
AD 1	Robert C. Williams Business Center Upfit	0	60	60	60	60	300	33	208	781
AD 2	Multipurpose Building	0	0	300	8,910	1,140	0	0	0	10,350
AD 3	Roof Replacement for the Electric and Water Vehic	286	0	0	0	0	0	0	0	286
AD 4	Space Planning and Utilization Project	400	3,820	2,100	1,100	0	0	0	260	7,680
AD 5	Replace Fuel Island Diesel Storage Tank	335	0	0	0	0	0	0	218	553
	TOTAL BUILDINGS & IMPROVEMENTS	1,021	3,880	2,460	10,070	1,200	300	33	686	19,650
INHOUSE COMPUTER SYSTEMS										
EL 43	DMS Software and Implementation	850	625	0	0	0	0	0	820	2,295
	TOTAL INHOUSE COMPUTER SYSTEMS	850	625	0	0	0	0	0	820	2,295
NCDOT ELECTRIC										
EL 50	NCDOT U-5015 Murchison Road Improvement	0	0	0	0	0	2,050	0	0	2,050
EL 52	NCDOT U-5798B Gillis Hill Road Widening	0	0	0	0	0	2,700	0	0	2,700
EL 53	NCDOT U-4403B Ramsey Street Widening	0	0	0	0	0	7,150	0	0	7,150
EL 54	NCDOT U-4403C Ramsey Street Widening US 401	0	0	0	0	0	30,050	0	0	30,050
EL 55	NCDOT U-4900 Murchison Road Widening	100	1,750	2,600	0	0	0	0	0	4,450
EL 56	NCDOT U-5101 Stacey Weaver Drive Widening	0	0	0	0	0	7,875	0	0	7,875
EL 57	NCDOT U-4404 Cliffdale Road Widening	0	0	0	0	0	5,200	0	0	5,200
EL 58	NCDOT U-6133 Cliffdale Road / Skibo Road Inters	0	0	0	0	0	2,100	0	0	2,100
EL 59	NCDOT U-6209 Cliffdale Road Widening	0	0	0	0	0	4,050	0	0	4,050
EL 60	NCDOT U-6213 Ireland Drive Widening	0	0	0	0	0	3,350	0	0	3,350
EL 61	NCDOT U-6152 Robeson Street Access Managemen	0	0	0	0	0	2,350	0	0	2,350
	TOTAL NCDOT ELECTRIC	100	1,750	2,600	0	0	66,875	0	0	71,325
NCDOT W/WW										
WS 30	NCDOT U-6001 NC 59 Widening, Parkton Road to	0	0	0	0	0	285	0	0	285
WS 31	NCDOT U-4405 Raeford Rd Median Improv, Hamp	250	3,750	225	6,220	145	8,345	2,011	278	21,224
WS 32	NCDOT U-6072A SR1112 (Rockfish Rd) from Stric	0	0	0	0	0	744	0	0	744
WS 33	NCDOT U-6073 Fisher Rd. from Strickland Bridge	0	437	956	687	47	7,177	0	0	9,304
WS 34	NCDOT U-2519B A/BB Fayetteville Outer Loop froi	15	6,015	0	0	0	0	14	1	6,045
WS 35	NCDOT W-5806C- Rosehill Rd. Intersection Impro	604	0	0	0	0	0	0	10	614
WS 36	NCDOT U-5015 Murchison Road (Langdon St to U'	0	0	0	0	55	140	0	0	195
WS 37	NCDOT U-4900 Murchison Road Widening - Water	510	290	235	85	6,135	15	40	45	7,355
WS 38	NCDOT U-5101(A) Shaw Rd to Stacey Weaver Dr	0	355	200	150	55	2,765	0	3	3,528
WS 39	NCDOT U-5798 A - Gillis Hill Rd Widening - Water	40	40	3,040	0	0	0	100	88	3,308
WS 40	NCDOT U-5798 B - Gillis Hill Road Widening - Wat	170	130	90	40	40	1,990	0	7	2,467
WS 41	NCDOT U-3422 Camden Rd Widening - Water	370	95	7,995	90	90	0	206	486	9,332
WS 42	NCDOT U-4709 Rockfish Road, Golfview Drive to ♪	60	2,770	50	30	0	0	68	56	3,034
WS 43	NCDOT U-4403(B) Ramsey Street Widening - Wat	0	360	300	180	340	9,590	47	12	10,829
WS 93	NCDOT U-4405 Raeford Rd Median Improv, Hamp	90	450	85	2,060	55	7,845	438	36	11,059
WS 94	NCDOT U-6073 Fisher Rd. from Strickland Bridge	0	85	128	98	65	1,793	0	0	2,169
WS 95	NCDOT U-2519B A/BB Fayetteville Outer Loop froi	5	805	0	0	0	0	10	2	822
WS 96	NCDOT U-6072A SR1112 (Rockfish Rd) from Stric	0	0	0	0	0	121	0	0	121
WS 97	NCDOT U-5015 Murchison Road (Langdon St to U'	0	0	0	0	55	130	0	0	185
WS 98	NCDOT U-4900 Murchison Road Widening - Sewer	115	75	65	20	965	15	76	17	1,348
WS 99	NCDOT U-5101(A) Shaw Rd Widening - Sewer	0	245	65	35	30	660	0	2	1,037
WS 100	NCDOT U-5798 A - Gillis Hill Rd Widening - Sewer	12	12	382	0	0	0	45	42	493
WS 101	NCDOT U-3422 Camden Rd Widening - Sewer	20	10	585	13	2	0	25	66	721
WS 102	NCDOT U-4709 Rockfish Road, Golfview Drive to ♪	12	837	10	7	0	0	14	13	893
WS 103	NCDOT U-4403(B) Ramsey Street Widening - Sew	0	210	170	120	250	5,510	535	6	6,801
WS 104	NCDOT U-4403(C) Ramsey Street Widening - Wat	0	785	1,045	1,000	500	21,092	0	0	24,422
WS 105	NCDOT U-4403(C) Ramsey Street Widening - Sew	0	170	230	220	115	4,270	0	0	5,005
	TOTAL NCDOT W/WW	2,273	17,926	15,856	11,055	8,944	72,487	3,629	1,170	133,340
CITY OF FAYETTEVILLE-ELECTRIC										
EL 39	Downtown UG Infrastructure Reliability Improvem	700	750	0	0	0	0	0	202	1,652
EL 40	Underground Distribution / Streetscape Improver	50	50	50	50	50	250	0	0	500
EL 41	CoF Langdon St Widening Project	0	300	0	0	0	0	0	0	300
EL 42	CoF Person St 300 - 600 Block Streetscape Impro	0	0	0	0	0	1,650	0	0	1,650
	TOTAL CITY OF FAYETTEVILLE-ELECTRIC	750	1,100	50	50	50	1,900	0	202	4,102

SUMMARY BY CATEGORY

REF #	PROJECT NAME	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 28-32	PRE-FY 2022	FY 2022 EST.	TOTAL COST
(Dollars in thousands)										
MUNICIPAL UTILITY IMPROVEMENTS										
WS 26	Utility Improvements for City of Fayetteville Storr	555	555	555	250	250	1,250	175	242	3,832
WS 27	Utility Improvements for the Town of Hope Mills S	25	25	25	25	25	125	0	0	250
WS 28	Utility Improvements for NCDOT Resurfacing and	10	10	10	10	10	50	1	0	101
WS 90	Utility Improvements for City of Fayetteville Storr	450	450	450	200	200	1,000	99	187	3,036
WS 91	Utility Improvements for the Town of Hope Mills S	25	25	25	25	25	125	0	0	250
WS 92	Utility Improvements for NCDOT Resurfacing and	10	10	10	10	10	50	0	1	101
TOTAL MUNICIPAL UTILITY IMPROVEMENTS		1,075	1,075	1,075	520	520	2,600	275	430	7,570
NEW SERVICES(INCL TRANSFORMERS)-ELECTRIC										
EL 1	Underground Distribution Infrastructure Installatic	2,000	2,200	2,400	2,600	2,800	17,000	1,950	2,471	33,421
EL 2	Overhead Infrastructure Installation - New	50	50	50	50	50	250	36	41	577
EL 4	Padmount Transformers	1,500	1,550	1,600	1,650	1,700	9,000	1,163	1,003	19,166
EL 5	Overhead Transformers	500	500	500	500	500	2,500	339	350	5,689
EL 18	Fiber Optic Cable Line Extensions for Electric Syst	300	350	400	450	500	2,750	203	223	5,176
TOTAL NEW SERVICES(INCL XFRMRS)-ELECT		4,350	4,650	4,950	5,250	5,550	31,500	3,691	4,088	64,029
NEW SERVICES-W/WW										
WS 2	New Water Service Laterals and Water Main Exter	618	636	655	675	695	3,475	751	963	8,468
WS 4	New Hydrant and Valve Installation	230	235	240	245	250	1,250	112	211	2,773
WS 45	New Sewer Service Laterals and Sewer Main Exter	504	529	555	582	612	3,060	395	514	6,751
TOTAL NEW SERVICES-W/WW		1,352	1,400	1,450	1,502	1,557	7,785	1,258	1,688	17,992
ANNEXATION										
WS 7	Phase V Annexation - Water Main Extension	2,708	1,883	235	1,313	4,625	10,250	1,648	378	23,040
WS 58	Phase V Annexation	16,931	21,453	29,348	34,496	20,460	56,986	102,185	2,363	284,222
TOTAL ANNEXATION		19,639	23,336	29,583	35,809	25,085	67,236	103,833	2,741	307,262
REHABILITATION/REPLACEMENTS-W/WW										
WS 3	Water Lateral Renewals (PWC Forces)	788	827	868	912	958	4,790	696	743	10,582
WS 5	Water Distribution System Rehabilitation	6,000	6,000	6,000	7,500	7,500	45,000	5,829	2,963	86,792
WS 8	Replace Existing Water Mains not Encased Under I	1,535	585	995	885	0	0	621	724	5,345
WS 13	Russell St Water Main Replacement, Gillespie St tr	110	0	0	0	0	0	0	146	256
WS 14	Yadkin Road Water Main Replacement	0	0	0	0	60	3,560	0	0	3,620
WS 25	Replacement of Water Mains in Dams	0	0	55	165	365	7,040	0	0	7,625
WS 46	Sewer Lateral Renewals (PWC Forces)	769	788	807	826	847	4,235	793	763	9,828
WS 47	Sanitary Sewer Manhole Rehabilitation	2,000	2,000	2,100	2,200	2,300	13,000	2,254	1,041	26,895
WS 48	Sanitary Sewer Main Rehabilitation	5,000	5,500	5,500	7,000	7,000	42,500	5,535	5,446	83,481
WS 49	Lift Station Rehabilitation	610	610	610	610	610	1,830	1,487	749	7,116
WS 63	McFadyen Lake Sewer Main Rehabilitation	0	0	0	0	0	3,705	0	0	3,705
WS 64	Murchison Road Sewer Improvements, (Jasper St.	0	0	70	120	2,270	0	35	0	2,495
WS 65	Russell St Sewer Main Replacement	360	0	0	0	0	0	18	151	529
WS 66	Branson Creek Interceptor Replacement, Phase I	0	0	0	35	220	1,240	0	0	1,495
WS 67	Branson Creek Interceptor Replacement, Phase II	0	0	0	0	60	2,660	0	0	2,720
WS 89	Replacement of Sewer Mains in Dams	0	0	55	515	670	17,555	0	0	18,795
TOTAL REHABILITATION/REPLACEMENTS-W,		17,172	16,310	17,060	20,768	22,860	147,115	17,268	12,726	271,279
OUTFALL REHABILITATION/REPLACEMENT										
WS 56	Line 54" Outfall - Research Drive to I-95	575	2,795	1,265	2,905	0	0	125	34	7,699
WS 68	Replacement of the Cross Creek Outfall, Greensbc	0	0	0	1,070	4,610	0	147	128	5,955
WS 69	Line Beaver Creek Outfall, Phase II	0	0	0	0	0	3,040	0	0	3,040
WS 70	Line the Beaver Creek Outfall, Phase III	0	0	0	0	0	2,050	0	0	2,050
WS 71	Line Beaver Creek Outfall, Phase IV	0	0	0	0	0	2,350	0	0	2,350
WS 72	Line Beaver Creek Outfall, Phase V	0	0	0	0	0	2,350	0	0	2,350
WS 73	Line Beaver Creek Outfall, Phase VI	0	0	0	0	0	530	0	0	530
WS 74	Line 54" Outfall - I-95 to Claude Lee Road	0	0	80	780	2,310	0	0	0	3,170
WS 75	Line 54-Inch Outfall, Claude Lee Road to Pennystc	0	0	0	0	90	3,090	0	0	3,180
WS 76	Line 54-Inch Outfall, Pennystone Drive to Laurelw	0	0	0	0	0	3,170	0	0	3,170
TOTAL OUTFALL REHABILITATION/REPLACI		575	2,795	1,345	4,755	7,010	16,580	272	162	33,494
PLANT IMPROVEMENTS-W/WW										
WS 20	PO Hoffer WTP / Glenville Lake WTP Reliability Im	4,142	6,164	0	0	0	0	237	2	10,545
WS 23	Replace Standby Power Generator at the PO Hoffe	2,350	1,545	0	0	0	0	0	0	3,895
WS 80	Cross Creek WRF Reliability Improvements	0	260	740	0	10,340	8,440	0	0	19,780
WS 81	Replace Standby Power Generator at the Cross Cr	2,040	0	0	0	0	0	0	503	2,543
WS 82	Cross Creek WRF Influent Pump Station and Pump	1,515	5,069	0	0	0	0	0	100	6,684
WS 84	Rockfish Creek WRF Screening Improvements	385	0	0	0	0	0	391	1,000	1,776
WS 85	Replace Clarifier #3 Mechanism at the Rockfish Cr	135	0	0	0	0	0	0	200	335
WS 86	Replace Rockfish Creek WRF IPS Screw Pumps #1	630	320	0	0	0	0	0	0	950
WS 87	Replace Rockfish Creek WRF IPS Screw Pumps #3	0	955	0	0	0	0	0	0	955
TOTAL PLANT IMPROVEMENTS-W/WW		11,197	14,313	740	0	10,340	8,440	628	1,805	47,463

SUMMARY BY CATEGORY

REF #	PROJECT NAME	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 28-32	PRE-FY 2022	FY 2022 EST.	TOTAL COST
(Dollars in thousands)										
PLANT EXPANSION-W/WW										
WS 21	PO Hoffer WTF Capacity Expansion, Phase 2	0	0	0	0	60	39,556	2,861	0	42,477
WS 22	PO Hoffer WTF Capacity Expansion, Phase 3 – Res	105	0	0	8,515	7,430	0	185	709	16,944
WS 83	Rockfish Creek WRF Expansion Phase 3	6,678	24,018	27,483	17,162	0	0	607	861	76,809
TOTAL PLANT EXPANSION-W/WW		6,783	24,018	27,483	25,677	7,490	39,556	3,653	1,570	136,230
HURRICANE MATTHEW-W/WW										
WS 59	Hurricane Matthew Repair of Sewer Mains	590	0	0	0	0	0	4,837	22	5,449
TOTAL HURRICANE MATTHEW-W/WW		590	0	0	0	0	0	4,837	22	5,449
OTHER W/WW SYSTEM IMPROVEMENTS										
WS 1	Land and Land Rights - Water	20	20	20	20	20	100	78	375	653
WS 6	Braxton Road 12" Water Main Extension	0	85	385	130	0	0	0	0	600
WS 19	Water Improvements to serve the 401 N. Industri	35	85	180	595	0	0	0	0	895
WS 24	Kornbow Lake Dam Spillway Replacement	265	0	1,390	926	0	0	57	100	2,738
WS 29	NC 59 Water Main Extension from Church St. to P	0	0	0	0	0	2,940	223	8	3,171
WS 44	Land and Land Rights - Sewer	20	20	20	20	20	100	10	20	230
WS 50	Lift Station Electrical Upgrades	0	110	295	0	0	5,990	0	0	6,395
WS 51	North Fayetteville Lift Station Upgrades - Phase 3	0	0	210	865	915	15,995	0	0	17,985
WS 52	North Fayetteville Lift Station Upgrades - Phase 4	165	0	0	3,015	0	0	157	35	3,372
WS 53	Longview Lift Station and Force Main Upgrade	1,135	0	0	0	0	0	21	121	1,277
WS 54	King Street Lift Station Replacement	0	0	0	0	0	2,520	0	0	2,520
WS 55	Replace Lift Station #72 - Cypress Lakes #1	593	633	0	0	0	0	0	75	1,301
WS 60	Replacement of the Shadowlawn Aerial Sewer Cro	1,291	0	0	0	0	0	176	98	1,565
WS 61	East Cole Street Sewer Aerial Crossing Replaceme	0	0	40	25	605	0	0	0	670
WS 62	Lamon Street Aerial Sewer Replacement	0	380	470	2,970	0	0	0	0	3,820
WS 77	Sandy Run Outfall	0	0	0	105	690	11,585	0	0	12,380
WS 78	Big Rockfish Sanitary Sewer Outfall	10,525	5,876	2,483	1,396	0	0	3,755	2,811	26,846
WS 79	Big Rockfish Sanitary Sewer Outfall - Lift Station f	2,578	2,174	986	499	0	0	1,158	2	7,397
WS 88	Sanitary Sewer Improvements to serve the 401 N	105	235	540	2,005	0	0	0	0	2,885
TOTAL OTHER W/WW SYSTEM IMPROVEMENTS		16,732	9,618	7,019	12,571	2,250	39,230	5,635	3,645	96,700
SYSTEM REINFORCEMENT										
WS 9	Chicken Foot Road 16" Water Main Interconnect	1,025	0	0	0	0	0	170	154	1,349
WS 10	West Fayetteville Pressure Zone Improvements	256	255	0	0	6,745	3,380	0	175	10,811
WS 11	Sandhill Road 12" Water Main Extension	0	0	0	0	150	1,035	0	0	1,185
WS 12	Cliffdale Road Transmission Water Main Improver	370	2,170	0	0	0	0	0	217	2,757
WS 15	US HWY 401 North - Elevated Water Tank (Contra	0	20	5,370	13	0	0	0	0	5,403
WS 16	High Pressure Zone Transmission Water Main Imp	175	0	250	3,475	2,888	0	0	94	6,882
WS 17	Kings Grant Water Main Looping	0	0	0	0	0	965	0	0	965
WS 18	Ramsey Street Water Transmission Main Improve	440	440	1,875	1,515	375	0	0	6	4,651
WS 57	Rockfish Creek Basin Peak Flow Facilities	39	0	0	0	0	0	3,736	2,614	6,389
TOTAL SYSTEM REINFORCEMENT		2,305	2,885	7,495	5,003	10,158	5,380	3,906	3,260	40,392
BUTLER WARNER GENERATION PLANT										
EL 45	Gas Turbine #4 Generator Step Up Transformer R	1,000	0	0	0	0	0	0	0	1,000
EL 46	Steam Turbine Generator Exciter Replacement	500	0	0	0	0	0	0	0	500
EL 49	Community Solar - Sally Hill 2 MW	0	0	1,175	4,375	0	0	0	0	5,550
TOTAL BUTLER WARNER GENERATION PLANT		1,500	0	1,175	4,375	0	0	0	0	7,050
SUBSTATIONS										
EL 9	UG Feeder Exit Replacement Substations	275	325	375	425	475	3,125	599	255	5,854
EL 23	Distribution Substation Equipment Replacement	100	100	100	100	100	500	54	27	1,081
EL 27	T/D Substation Control Building Replacement	400	400	400	400	400	0	0	235	2,235
EL 28	Distribution Substation 66-12 kV Power Transforn	1,000	1,000	1,000	1,000	1,000	5,000	2,150	890	13,040
EL 29	230-67kV Auto-Transformer	2,500	0	0	0	0	3,200	0	0	5,700
EL 30	Black & Decker Substation Rebuild	225	0	0	0	0	0	0	137	362
EL 31	Cumberland Road 66 -12 kV Substation Rebuild	1,500	100	0	0	0	0	0	0	1,600
EL 32	PO Hoffer 66-12 kV Substation Rebuild	1,750	100	0	0	0	0	0	0	1,850
EL 33	FTI 66-12 kV Substation Rebuild and Relocation	50	1,000	2,200	500	0	0	0	0	3,750
EL 34	POD IV 230-66 kV Substation	0	0	0	0	125	15,850	1,432	0	17,407
EL 35	POD V 230-66 kV Substation	0	0	0	0	0	25,000	22	0	25,022
TOTAL SUBSTATIONS		7,800	3,025	4,075	2,425	2,100	52,675	4,257	1,544	77,901
LIGHTING										
EL 3	LED Area Lights - New Installations	450	450	450	450	450	2,250	406	400	5,306
EL 14	Thoroughfare LED Lighting - New Installations	100	100	100	100	100	275	568	4	1,347
EL 15	Thoroughfare LED Roadway Lighting-Conversion	250	0	0	0	0	0	464	209	923
EL 51	Bragg Boulevard Gateway Improvement - Phase I	0	0	0	0	0	2,300	0	0	2,300
TOTAL LIGHTING		800	550	550	550	550	4,825	1,438	613	9,876

SUMMARY BY CATEGORY

REF #	PROJECT NAME	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 28-32	PRE-FY 2022	FY 2022 EST.	TOTAL COST
(Dollars in thousands)										
ELECTRIC SYSTEM IMPROVEMENTS										
EL 6	Underground Infrastructure Replacement - Reside	2,500	2,750	3,000	3,250	3,500	21,250	1,464	3,431	41,145
EL 7	Underground Infrastructure Replacement - Non R	1,250	1,350	1,450	1,550	1,650	9,750	5,064	608	22,672
EL 8	Underground Distribution Infrastructure Replacerr	650	650	650	650	650	3,250	582	483	7,565
EL 10	Overhead Distribution System Circuit Improvemer	150	150	100	100	75	375	3	100	1,053
EL 11	Distribution System Sectionalizing	100	100	100	100	100	500	7	200	1,207
EL 12	Overhead Infrastructure Improvements	600	600	600	600	600	3,000	894	1,352	8,246
EL 13	Foreign Attachment Make-Ready & Clearance	350	350	0	0	0	0	32	293	1,025
EL 16	Conservation Load Reduction (CVR)	150	150	150	150	150	750	1,320	125	2,945
EL 17	System Reactive Power Compensation	250	250	250	200	200	1,000	3,640	82	5,872
EL 19	SONET Communications for Smart Grid	100	100	100	100	100	500	546	33	1,579
EL 20	Distribution Automation	300	300	450	600	750	3,750	419	45	6,614
EL 21	Sub-Transmission Pole Replacement	2,000	2,000	2,000	2,000	2,000	10,000	1,310	795	22,105
EL 22	66 kV System Sectionalizing Improvements	100	100	100	100	100	500	111	93	1,204
EL 24	T/D Sub Differential and Back-Up Overcurrent Rel	150	150	150	150	150	0	0	0	750
EL 25	Distribution Circuit Breaker Replacement	400	0	0	0	0	0	234	191	825
EL 26	T/D Sub 66 kV Power Transformer Protection Equi	400	400	400	400	400	400	991	376	3,767
EL 36	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	69	27	1,596
EL 38	ROW Additions Transmission - Asset Protection	350	350	500	500	500	2,500	0	225	4,925
EL 44	T/D SCADA System Replacement	750	0	0	0	0	0	0	0	750
EL 47	Battery Storage	50	0	0	0	0	0	431	2,500	2,981
EL 48	Renewable Resource Development	18,000	3,000	0	0	0	0	119	1,127	22,246
TOTAL ELECTRIC SYSTEM IMPROVEMENTS		29,000	12,900	10,150	10,600	11,075	58,275	17,236	12,086	161,322
TOTAL ALL PROJECTS		127,502	144,259	137,472	153,477	119,146	636,141	172,897	50,750	1,541,644

SUMMARY BY FUNDING SOURCE

REF #	PROJECT NAME	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 28-32	PRE-FY 2022	FY 2022 EST.	TOTAL COST
(Dollars in thousands)										
CUSTOMER CARE										
CD 1	Electric Meters and Metering Equipment	497	564	616	673	736	4,864	415	475	8,840
	ELECTRIC FUND	497	564	616	673	736	4,864	415	475	8,840
CD 2	Water Meters	1,141	1,539	1,740	1,824	1,671	8,518	633	1,017	18,083
	WATER/SEWER FUND	1,141	1,539	1,740	1,824	1,671	8,518	633	1,017	18,083
	TOTAL CUSTOMER CARE	1,638	2,103	2,356	2,497	2,407	13,382	1,048	1,492	26,923
ADMINISTRATIVE										
AD 1	Robert C. Williams Business Center Upfit	0	60	60	60	60	300	33	208	781
AD 2	Multipurpose Building	0	0	300	8,910	1,140	0	0	0	10,350
AD 3	Roof Replacement for the Electric and Water Vehicle Sheds	182	0	0	0	0	0	0	0	182
AD 4	Space Planning and Utilization Project	400	3,820	2,100	1,100	0	0	0	260	7,680
AD 5	Replace Fuel Island Diesel Storage Tank	168	0	0	0	0	0	0	218	386
	ELECTRIC FUND	750	3,880	2,460	10,070	1,200	300	33	686	19,379
AD 3	Roof Replacement for the Electric and Water Vehicle Sheds	104	0	0	0	0	0	0	0	104
AD 5	Replace Fuel Island Diesel Storage Tank	168	0	0	0	0	0	0	0	168
	WATER FUND	272	0	0	0	0	0	0	0	272
	TOTAL ADMINISTRATIVE	1,021	3,880	2,460	10,070	1,200	300	33	686	19,650
WATER RESOURCES										
WS 1	Land and Land Rights - Water	20	20	20	20	20	100	78	375	653
WS 2	New Water Service Laterals and Water Main Extensions	618	636	655	675	695	3,475	751	963	8,468
WS 3	Water Lateral Renewals (PWC Forces)	788	827	868	912	958	4,790	696	743	10,582
WS 4	New Hydrant and Valve Installation	230	235	240	245	250	1,250	112	211	2,773
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 Cr	1,535	585	995	885	0	0	621	724	5,345
WS 10	West Fayetteville Pressure Zone Improvements	256	255	0	0	6,745	3,380	0	175	10,811
WS 11	Sandhill Road 12" Water Main Extension	0	0	0	0	150	1,035	0	0	1,185
WS 13	Russell St Water Main Replacement, Gillespie St to Eastern I	110	0	0	0	0	0	0	146	256
WS 14	Yadkin Road Water Main Replacement	0	0	0	0	60	3,560	0	0	3,620
WS 16	High Pressure Zone Transmission Water Main Improvements	175	0	250	3,475	2,888	0	0	94	6,882
WS 17	Kings Grant Water Main Looping	0	0	0	0	0	965	0	0	965
WS 18	Ramsey Street Water Transmission Main Improvements No.	440	440	1,875	1,515	375	0	0	6	4,651
WS 19	Water Improvements to serve the 401 N. Industrial Site	35	85	180	595	0	0	0	0	895
WS 20	PO Hoffer WTP / Glenville Lake WTP Reliability Improvement	30	30	0	0	0	0	237	2	299
WS 22	PO Hoffer WTF Capacity Expansion, Phase 3 - Residuals Faci	5	0	0	15	30	0	185	709	944
WS 24	Kornbow Lake Dam Spillway Replacement	265	0	1,390	926	0	0	57	100	2,738
WS 25	Replacement of Water Mains in Dams	0	0	55	165	365	7,040	0	0	7,625
WS 26	Utility Improvements for City of Fayetteville Storm Drainage	555	555	555	250	250	1,250	175	242	3,832
WS 27	Utility Improvements for the Town of Hope Mills Stormwater	25	25	25	25	25	125	0	0	250
WS 28	Utility Improvements for NCDOT Resurfacing and Stormwater	10	10	10	10	10	50	1	0	101
WS 29	NC 59 Water Main Extension from Church St. to Parkton Rd.	0	0	0	0	0	2,940	223	8	3,171
WS 30	NCDOT U-6001 NC 59 Widening, Parkton Road to US 301 - 1	0	0	0	0	0	285	0	0	285
WS 31	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks I	250	250	225	220	145	145	2,011	278	3,524
WS 32	NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland Brid	0	0	0	0	0	744	0	0	744
WS 33	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC1	0	437	956	687	47	145	0	0	2,272
WS 34	NCDOT U-2519B A/BB Fayetteville Outer Loop from South o	15	15	0	0	0	0	14	1	45
WS 35	NCDOT W-5806C- Rosehill Rd. Intersection Improvements (19	0	0	0	0	0	0	10	29
WS 36	NCDOT U-5015 Murchison Road (Langdon St to US 401) - W	0	0	0	0	55	140	0	0	195
WS 37	NCDOT U-4900 Murchison Road Widening - Water	510	290	235	85	35	15	40	45	1,255
WS 38	NCDOT U-5101(A) Shaw Rd to Stacey Weaver Dr Widening	0	355	200	150	55	165	0	3	928
WS 39	NCDOT U-5798 A - Gillis Hill Rd Widening - Water	40	40	40	0	0	0	100	88	308
WS 40	NCDOT U-5798 B - Gillis Hill Road Widening - Water	170	130	90	40	40	40	0	7	517
WS 41	NCDOT U-3422 Camden Rd Widening - Water	370	95	95	90	90	0	206	486	1,432
WS 42	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - W	60	70	50	30	0	0	68	56	334
WS 43	NCDOT U-4403(B) Ramsey Street Widening - Water	0	360	300	180	340	1,190	47	12	2,429
WS 44	Land and Land Rights - Sewer	20	20	20	20	20	100	10	20	230
WS 45	New Sewer Service Laterals and Sewer Main Extensions	504	529	555	582	612	3,060	395	514	6,751
WS 46	Sewer Lateral Renewals (PWC Forces)	769	788	807	826	847	4,235	793	763	9,828
WS 47	Sanitary Sewer Manhole Rehabilitation	2,000	2,000	2,100	2,200	2,300	13,000	2,254	1,041	26,895
WS 49	Lift Station Rehabilitation	610	610	610	610	610	1,830	1,487	749	7,116
WS 50	Lift Station Electrical Upgrades	0	110	295	0	0	5,990	0	0	6,395
WS 51	North Fayetteville Lift Station Upgrades - Phase 3	0	0	210	865	915	15,995	0	0	17,985
WS 54	King Street Lift Station Replacement	0	0	0	0	0	2,520	0	0	2,520
WS 55	Replace Lift Station #72 - Cypress Lakes #1	593	633	0	0	0	0	0	75	1,301
WS 57	Rockfish Creek Basin Peak Flow Facilities	5	0	0	0	0	0	3,736	2,614	6,355
WS 60	Replacement of the Shadowlawn Aerial Sewer Crossing	1,291	0	0	0	0	0	176	98	1,565
WS 61	East Cole Street Sewer Aerial Crossing Replacement	0	0	40	25	605	0	0	0	670
WS 63	McFadyen Lake Sewer Main Rehabilitation	0	0	0	0	0	3,705	0	0	3,705
WS 65	Russell St Sewer Main Replacement	360	0	0	0	0	0	18	151	529
WS 66	Branson Creek Interceptor Replacement, Phase I	0	0	0	35	220	1,240	0	0	1,495

SUMMARY BY FUNDING SOURCE

REF #	PROJECT NAME	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 28-32	PRE-FY 2022	FY 2022 EST.	TOTAL COST
<i>(Dollars in thousands)</i>										
WS 67	Branson Creek Interceptor Replacement, Phase II	0	0	0	0	60	2,660	0	0	2,720
WS 77	Sandy Run Outfall	0	0	0	105	690	11,585	0	0	12,380
WS 78	Big Rockfish Sanitary Sewer Outfall	100	74	83	49	0	0	3,755	2,811	6,872
WS 79	Big Rockfish Sanitary Sewer Outfall - Lift Station Elimination	75	60	45	45	0	0	1,158	2	1,385
WS 80	Cross Creek WRF Reliability Improvements	0	10	15	0	0	0	0	0	25
WS 83	Rockfish Creek WRF Expansion Phase 3	20	20	20	20	0	0	607	861	1,548
WS 85	Replace Clarifier #3 Mechanism at the Rockfish Creek WRF	135	0	0	0	0	0	0	200	335
WS 86	Replace Rockfish Creek WRF IPS Screw Pumps #1 and #2	630	320	0	0	0	0	0	0	950
WS 87	Replace Rockfish Creek WRF IPS Screw Pumps #3 and #4	0	955	0	0	0	0	0	0	955
WS 88	Sanitary Sewer Improvements to serve the 401 N. Industria	105	235	540	2,005	0	0	0	0	2,885
WS 89	Replacement of Sewer Mains in Dams	0	0	55	515	670	17,555	0	0	18,795
WS 90	Utility Improvements for City of Fayetteville Storm Drainage	450	450	450	200	200	1,000	99	187	3,036
WS 91	Utility Improvements for the Town of Hope Mills Stormwater	25	25	25	25	25	125	0	0	250
WS 92	Utility Improvements for NCDOT Resurfacing and Stormwater	10	10	10	10	10	50	0	1	101
WS 93	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks I	90	100	85	60	55	45	438	36	909
WS 94	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC1	0	85	128	98	65	43	0	0	419
WS 95	NCDOT U-2519B A/BB Fayetteville Outer Loop from South o	5	5	0	0	0	0	10	2	22
WS 96	NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland Brid	0	0	0	0	0	121	0	0	121
WS 97	NCDOT U-5015 Murchison Road (Langdon St to US 401) - S	0	0	0	0	55	130	0	0	185
WS 98	NCDOT U-4900 Murchison Road Widening - Sewer	115	75	65	20	15	15	76	17	398
WS 99	NCDOT U-5101(A) Shaw Rd Widening - Sewer	0	245	65	35	30	60	0	2	437
WS 100	NCDOT U-5798 A - Gillis Hill Rd Widening - Sewer	12	12	12	0	0	0	45	42	123
WS 101	NCDOT U-3422 Camden Rd Widening - Sewer	20	10	35	13	2	0	25	66	171
WS 102	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - Se	12	12	10	7	0	0	14	13	68
WS 103	NCDOT U-4403(B) Ramsey Street Widening - Sewer	0	210	170	120	250	610	535	6	1,901
WS 104	NCDOT U-4403(C) Ramsey Street Widening - Water	0	785	1,045	1,000	500	1,692	0	0	5,022
WS 105	NCDOT U-4403(C) Ramsey Street Widening - Sewer	0	170	230	220	115	370	0	0	1,105
WATER/SEWER FUND		14,487	14,388	17,419	21,035	22,499	120,565	21,253	15,755	247,401
WS 20	PO Hoffer WTP / Glenville Lake WTP Reliability Improvement	4,112	6,134	0	0	0	0	0	0	10,246
WS 22	PO Hoffer WTF Capacity Expansion, Phase 3 – Residuals Faci	100	0	0	8,500	7,400	0	0	0	16,000
WS 57	Rockfish Creek Basin Peak Flow Facilities	34	0	0	0	0	0	0	0	34
WS 78	Big Rockfish Sanitary Sewer Outfall	10,425	5,802	1,225	0	0	0	0	0	17,452
WS 79	Big Rockfish Sanitary Sewer Outfall - Lift Station Elimination	2,503	2,083	0	0	0	0	0	0	4,586
WS 80	Cross Creek WRF Reliability Improvements	0	250	725	0	10,340	8,440	0	0	19,755
WS 83	Rockfish Creek WRF Expansion Phase 3	5,209	23,998	27,463	17,142	0	0	0	0	73,812
NC STATE LOAN FUND		22,383	38,267	29,413	25,642	17,740	8,440	0	0	141,885
WS 31	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks I	0	3,500	0	6,000	0	8,200	0	0	17,700
WS 33	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC1	0	0	0	0	0	7,032	0	0	7,032
WS 34	NCDOT U-2519B A/BB Fayetteville Outer Loop from South o	0	5,930	0	0	0	0	0	0	5,930
WS 35	NCDOT W-5806C- Rosehill Rd. Intersection Improvements (585	0	0	0	0	0	0	0	585
WS 37	NCDOT U-4900 Murchison Road Widening - Water	0	0	0	0	6,100	0	0	0	6,100
WS 38	NCDOT U-5101(A) Shaw Rd to Stacey Weaver Dr Widening	0	0	0	0	0	2,600	0	0	2,600
WS 39	NCDOT U-5798 A - Gillis Hill Rd Widening - Water	0	0	3,000	0	0	0	0	0	3,000
WS 40	NCDOT U-5798 B - Gillis Hill Road Widening - Water	0	0	0	0	0	1,950	0	0	1,950
WS 41	NCDOT U-3422 Camden Rd Widening - Water	0	0	7,900	0	0	0	0	0	7,900
WS 42	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - Wa	0	2,700	0	0	0	0	0	0	2,700
WS 43	NCDOT U-4403(B) Ramsey Street Widening - Water	0	0	0	0	0	8,400	0	0	8,400
WS 93	NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks I	0	350	0	2,000	0	7,800	0	0	10,150
WS 94	NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC1	0	0	0	0	0	1,750	0	0	1,750
WS 95	NCDOT U-2519B A/BB Fayetteville Outer Loop from South o	0	40	0	0	0	0	0	0	40
WS 98	NCDOT U-4900 Murchison Road Widening - Sewer	0	0	0	0	950	0	0	0	950
WS 99	NCDOT U-5101(A) Shaw Rd Widening - Sewer	0	0	0	0	0	600	0	0	600
WS 100	NCDOT U-5798 A - Gillis Hill Rd Widening - Sewer	0	0	370	0	0	0	0	0	370
WS 101	NCDOT U-3422 Camden Rd Widening - Sewer	0	0	550	0	0	0	0	0	550
WS 102	NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - Se	0	825	0	0	0	0	0	0	825
WS 103	NCDOT U-4403(B) Ramsey Street Widening - Sewer	0	0	0	0	0	4,900	0	0	4,900
WS 104	NCDOT U-4403(C) Ramsey Street Widening - Water	0	0	0	0	0	19,400	0	0	19,400
WS 105	NCDOT U-4403(C) Ramsey Street Widening - Sewer	0	0	0	0	0	3,900	0	0	3,900
NC DOT RESERVE-W/WW		585	13,345	11,820	8,000	7,050	66,532	0	0	107,332
WS 7	Phase V Annexation - Water Main Extension	2,708	1,883	235	1,313	4,625	10,250	1,648	378	23,040
WS 34	NCDOT U-2519B A/BB Fayetteville Outer Loop from South o	0	70	0	0	0	0	0	0	70
WS 58	Phase V Annexation	16,931	21,453	29,348	34,496	20,460	56,986	102,185	2,363	284,222
WS 95	NCDOT U-2519B A/BB Fayetteville Outer Loop from South o	0	760	0	0	0	0	0	0	760
ANNEX V RESERVE		19,639	24,166	29,583	35,809	25,085	67,236	103,833	2,741	308,092

SUMMARY BY FUNDING SOURCE

REF #	PROJECT NAME	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 28-32	PRE-FY 2022	FY 2022 EST.	TOTAL COST
(Dollars in thousands)										
WS 5	Water Distribution System Rehabilitation	6,000	6,000	6,000	7,500	7,500	45,000	5,829	2,963	86,792
WS 9	Chicken Foot Road 16" Water Main Interconnect	1,025	0	0	0	0	0	170	154	1,349
WS 12	Cliffdale Road Transmission Water Main Improvements	370	2,170	0	0	0	0	0	217	2,757
WS 15	US HWY 401 North - Elevated Water Tank (Contract 3)	0	20	5,370	13	0	0	0	0	5,403
WS 21	PO Hoffer WTF Capacity Expansion, Phase 2	0	0	0	0	60	39,556	2,861	0	42,477
WS 23	Replace Standby Power Generator at the PO Hoffer WTP	2,350	1,545	0	0	0	0	0	0	3,895
WS 48	Sanitary Sewer Main Rehabilitation	5,000	5,500	5,500	7,000	7,000	42,500	5,535	5,446	83,481
WS 52	North Fayetteville Lift Station Upgrades - Phase 4	165	0	0	3,015	0	0	157	35	3,372
WS 53	Longview Lift Station and Force Main Upgrade	1,135	0	0	0	0	0	21	121	1,277
WS 56	Line 54" Outfall - Research Drive to I-95	575	2,795	1,265	2,905	0	0	125	34	7,699
WS 62	Lamon Street Aerial Sewer Replacement	0	380	470	2,970	0	0	0	0	3,820
WS 64	Murchison Road Sewer Improvements, (Jasper St. to Murchi	0	0	70	120	2,270	0	35	0	2,495
WS 68	Replacement of the Cross Creek Outfall, Greensboro Street I	0	0	0	1,070	4,610	0	147	128	5,955
WS 69	Line Beaver Creek Outfall, Phase II	0	0	0	0	0	3,040	0	0	3,040
WS 70	Line the Beaver Creek Outfall, Phase III	0	0	0	0	0	2,050	0	0	2,050
WS 71	Line Beaver Creek Outfall, Phase IV	0	0	0	0	0	2,350	0	0	2,350
WS 72	Line Beaver Creek Outfall, Phase V	0	0	0	0	0	2,350	0	0	2,350
WS 73	Line Beaver Creek Outfall, Phase VI	0	0	0	0	0	530	0	0	530
WS 74	Line 54" Outfall - I-95 to Claude Lee Road	0	0	80	780	2,310	0	0	0	3,170
WS 75	Line 54-Inch Outfall, Claude Lee Road to Pennystone Drive	0	0	0	0	90	3,090	0	0	3,180
WS 76	Line 54-Inch Outfall, Pennystone Drive to Laurelwood Place	0	0	0	0	0	3,170	0	0	3,170
WS 78	Big Rockfish Sanitary Sewer Outfall	0	0	1,175	1,347	0	0	0	0	2,522
WS 79	Big Rockfish Sanitary Sewer Outfall - Lift Station Elimination	0	31	941	454	0	0	0	0	1,426
WS 81	Replace Standby Power Generator at the Cross Creek WRF	2,040	0	0	0	0	0	0	503	2,543
WS 82	Cross Creek WRF Influent Pump Station and Pump Station #	1,515	5,069	0	0	0	0	0	100	6,684
WS 83	Rockfish Creek WRF Expansion Phase 3	1,449	0	0	0	0	0	0	0	1,449
WS 84	Rockfish Creek WRF Screening Improvements	385	0	0	0	0	0	391	1,000	1,776
BONDS		22,009	23,510	20,871	27,174	23,840	143,636	15,271	10,701	287,012
WS 59	Hurricane Matthew Repair of Sewer Mains	590	0	0	0	0	0	4,837	22	5,449
HURRICANE MATTHEW CAPITAL PROJECT FUND		590	0	0	0	0	0	4,837	22	5,449
TOTAL OTHER FUNDS		65,206	99,288	91,687	96,625	73,715	285,844	123,941	13,464	849,770
TOTAL WATER RESOURCES		79,693	113,676	109,106	117,660	96,214	406,409	145,194	29,219	1,097,171
ELECTRIC SYSTEMS										
EL 1	Underground Distribution Infrastructure Installations - New	2,000	2,200	2,400	2,600	2,800	17,000	1,950	2,471	33,421
EL 2	Overhead Infrastructure Installation - New	50	50	50	50	50	250	36	41	577
EL 3	LED Area Lights - New Installations	450	450	450	450	450	2,250	406	400	5,306
EL 4	Padmount Transformers	1,500	1,550	1,600	1,650	1,700	9,000	1,163	1,003	19,166
EL 5	Overhead Transformers	500	500	500	500	500	2,500	339	350	5,689
EL 6	Underground Infrastructure Replacement - Residential	2,500	2,750	3,000	3,250	3,500	21,250	1,464	3,431	41,145
EL 7	Underground Infrastructure Replacement - Non Residential	1,250	1,350	1,450	1,550	1,650	9,750	5,064	608	22,672
EL 8	Underground Distribution Infrastructure Replacements (Non-	650	650	650	650	650	3,250	582	483	7,565
EL 9	UG Feeder Exit Replacement Substations	275	325	375	425	475	3,125	599	255	5,854
EL 10	Overhead Distribution System Circuit Improvements	150	150	100	100	75	375	3	100	1,053
EL 11	Distribution System Sectionalizing	100	100	100	100	100	500	7	200	1,207
EL 12	Overhead Infrastructure Improvements	600	600	600	600	600	3,000	894	1,352	8,246
EL 13	Foreign Attachment Make-Ready & Clearance	350	350	0	0	0	0	32	293	1,025
EL 14	Thoroughfare LED Lighting - New Installations	100	100	100	100	100	275	568	4	1,347
EL 16	Conservation Load Reduction (CVR)	150	150	150	150	150	750	1,320	125	2,945
EL 17	System Reactive Power Compensation	250	250	250	200	200	1,000	3,640	82	5,872
EL 18	Fiber Optic Cable Line Extensions for Electric System Autom	300	350	400	450	500	2,750	203	223	5,176
EL 19	SONET Communications for Smart Grid	100	100	100	100	100	500	546	33	1,579
EL 20	Distribution Automation	300	300	450	600	750	3,750	419	45	6,614
EL 21	Sub-Transmission Pole Replacement	2,000	2,000	2,000	2,000	2,000	10,000	1,310	795	22,105
EL 22	66 kV System Sectionalizing Improvements	100	100	100	100	100	500	111	93	1,204
EL 23	Distribution Substation Equipment Replacement	100	100	100	100	100	500	54	27	1,081
EL 24	T/D Sub Differential and Back-Up Overcurrent Relay Replace	150	150	150	150	150	0	0	0	750
EL 25	Distribution Circuit Breaker Replacement	400	0	0	0	0	0	234	191	825
EL 26	T/D Sub 66 kV Power Transformer Protection Equipment Upg	400	400	400	400	400	400	991	376	3,767
EL 27	T/D Substation Control Building Replacement	400	400	400	400	400	0	0	235	2,235
EL 36	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	69	27	1,596
EL 38	ROW Additions Transmission - Asset Protection	350	350	500	500	500	2,500	0	225	4,925
EL 39	Downtown UG Infrastructure Reliability Improvements	700	750	0	0	0	0	0	202	1,652
EL 40	Underground Distribution / Streetscape Improvement	50	50	50	50	50	250	0	0	500
EL 41	CoF Langdon St Widening Project	0	300	0	0	0	0	0	0	300
EL 42	CoF Person St 300 - 600 Block Streetscape Improvement	0	0	0	0	0	1,650	0	0	1,650
EL 43	DMS Software and Implementation	850	625	0	0	0	0	0	820	2,295
EL 44	T/D SCADA System Replacement	750	0	0	0	0	0	0	0	750
EL 45	Gas Turbine #4 Generator Step Up Transformer Replacemer	1,000	0	0	0	0	0	0	0	1,000
EL 46	Steam Turbine Generator Exciter Replacement	500	0	0	0	0	0	0	0	500
EL 47	Battery Storage	0	0	0	0	0	0	431	2,500	2,931
EL 49	Community Solar - Sally Hill 2 MW	0	0	1,175	4,375	0	0	0	0	5,550
EL 51	Bragg Boulevard Gateway Improvement - Phase II	0	0	0	0	0	2,300	0	0	2,300
ELECTRIC FUND		19,725	17,650	17,750	21,750	18,200	100,125	22,435	16,990	234,625

SUMMARY BY FUNDING SOURCE

REF #	PROJECT NAME	FY 2023	FY 2024	FY 2025	FY 2026	FY 2027	FY 28-32	PRE-FY 2022	FY 2022 EST.	TOTAL COST
(Dollars in thousands)										
EL 15	Thoroughfare LED Roadway Lighting-Conversion	250	0	0	0	0	0	464	209	923
	REPS (INCLUDED IN ELECTRIC FUND)	250	0	0	0	0	0	464	209	923
EL 50	NCDOT U-5015 Murchison Road Improvement	0	0	0	0	0	2,050	0	0	2,050
EL 52	NCDOT U-5798B Gillis Hill Road Widening	0	0	0	0	0	2,700	0	0	2,700
EL 53	NCDOT U-4403B Ramsey Street Widening	0	0	0	0	0	7,150	0	0	7,150
EL 54	NCDOT U-4403C Ramsey Street Widening US 401 By-Pass t	0	0	0	0	0	30,050	0	0	30,050
EL 55	NCDOT U-4900 Murchison Road Widening	100	1,750	2,600	0	0	0	0	0	4,450
EL 56	NCDOT U-5101 Stacey Weaver Drive Widening	0	0	0	0	0	7,875	0	0	7,875
EL 57	NCDOT U-4404 Cliffdale Road Widening	0	0	0	0	0	5,200	0	0	5,200
EL 58	NCDOT U-6133 Cliffdale Road / Skibo Road Intersection Imp	0	0	0	0	0	2,100	0	0	2,100
EL 59	NCDOT U-6209 Cliffdale Road Widening	0	0	0	0	0	4,050	0	0	4,050
EL 60	NCDOT U-6213 Ireland Drive Widening	0	0	0	0	0	3,350	0	0	3,350
EL 61	NCDOT U-6152 Robeson Street Access Management	0	0	0	0	0	2,350	0	0	2,350
	PARTICIPATION (INCLUDED IN ELECTRIC FUND)	100	1,750	2,600	0	0	66,875	0	0	71,325
	TOTAL ELECTRIC FUND	20,075	19,400	20,350	21,750	18,200	167,000	22,899	17,199	306,873
EL 30	Black & Decker Substation Rebuild	225	0	0	0	0	0	0	137	362
EL 47	Battery Storage	50	0	0	0	0	0	0	0	50
EL 48	Renewable Resource Development	18,000	3,000	0	0	0	0	119	1,127	22,246
	BONDS	18,275	3,000	0	0	0	0	119	1,264	22,658
EL 28	Distribution Substation 66-12 kV Power Transformer	1,000	1,000	1,000	1,000	1,000	5,000	2,150	890	13,040
EL 29	230-67kV Auto-Transformer	2,500	0	0	0	0	3,200	0	0	5,700
EL 31	Cumberland Road 66 -12 kV Substation Rebuild	1,500	100	0	0	0	0	0	0	1,600
EL 32	PO Hoffer 66-12 kV Substation Rebuild	1,750	100	0	0	0	0	0	0	1,850
EL 33	FTI 66-12 kV Substation Rebuild and Relocation	50	1,000	2,200	500	0	0	0	0	3,750
EL 34	POD IV 230-66 kV Substation	0	0	0	0	125	15,850	1,432	0	17,407
EL 35	POD V 230-66 kV Substation	0	0	0	0	0	25,000	22	0	25,022
	SUBSTATION CPF	6,800	2,200	3,200	1,500	1,125	49,050	3,604	890	68,369
	TOTAL ELECTRIC SYSTEMS	45,150	24,600	23,550	23,250	19,325	216,050	26,622	19,353	397,900
	TOTAL ALL PROJECTS	127,502	144,259	137,472	153,477	119,146	636,141	172,897	50,750	1,541,644
	TOTAL ELECTRIC FUND	20,972	22,094	20,826	32,493	20,136	105,289	22,883	18,151	262,843
	TOTAL ELECTRIC FD WITH OFFSETTING REVENUES	350	1,750	2,600	0	0	66,875	464	209	72,248
	TOTAL WATER/SEWER FUND	15,900	15,927	19,159	22,859	24,170	129,083	21,886	16,772	265,756
	TOTAL W/S FUND WITH OFFSETTING REVENUES	0	0	0						
	TOTAL ELECTRIC & W/WW FUNDS	37,221	39,771	42,585	55,352	44,306	301,247	45,233	35,132	600,847
	NC STATE LOAN FUND	22,383	38,267	29,413	25,642	17,740	8,440	0	0	141,885
	NCDOT RESERVE	585	13,345	11,820	8,000	7,050	66,532	0	0	107,332
	TOTAL ANNEX V RESERVE	19,639	24,166	29,583	35,809	25,085	67,236	103,833	2,741	308,092
	HURRICANE MATTHEW CAPITAL PROJECT FUND	590	0	0	0	0	0	4,837	22	5,449
	TOTAL BONDS	40,284	26,510	20,871	27,174	23,840	143,636	15,390	11,965	309,670
	TOTAL SUBSTATIONS CPF	6,800	2,200	3,200	1,500	1,125	49,050	3,604	890	68,369
	DOT E RAEFORD RD CPF	0	0	0						
	TOTAL OTHER FUNDS	90,281	104,488	94,887	98,125	74,840	334,894	127,664	15,618	940,797
	TOTAL ALL FUNDS	127,502	144,259	137,472	153,477	119,146	636,141	172,897	50,750	1,541,644



TABLE OF CONTENTS - CUSTOMER CARE

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CUSTOMER CARE

PROJECT TITLE

CUSTOMER CARE

ACTIVITY

370000

CATEGORY

Electric Distribution System

DIVISION

CUSTOMER ADMINISTRATION

PRIORITY

Score

TYPE PROJECT

Replacement

X

High

Expansion

Medium

X New

X

Low

Renovation

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000007

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. FY23 estimate is based on 1,083 meters at a unit cost of \$230; FY24 estimate is based on 1,137 meters at a unit cost of \$241.50; FY25 estimate is based on 1,194 meters at a unit cost of \$253.58; FY26 estimate is based on 1,253 meters at a unit cost of \$266.25; FY27 estimate is based on 1,316 meters at a unit cost of \$279.57; FY28 estimate is based on 1,382 meters at a unit cost of \$293.54; FY29 estimate is based on 1,451 meters at a unit cost of \$308.22; FY30 estimate is based on 1,523 meters at a unit cost of \$323.62; FY31 estimate is based on 1,600 meters at a unit cost of \$339.81 and FY32 estimate is based on 1,680 meters at a unit cost of \$356.81.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	422,000	487,000	537,000	592,000	653,000	4,419,000	7,110,000
Personnel	75,000	77,000	79,000	81,000	83,000	445,000	840,000
Other	-	-	-	-	-	-	-
Total	497,000	564,000	616,000	673,000	736,000	4,864,000	7,950,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							415,000
<i>FY2022 Estimate</i>							475,000
Total							8,840,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	497,000	564,000	616,000	673,000	736,000	4,864,000	7,950,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	497,000	564,000	616,000	673,000	736,000	4,864,000	7,950,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:

High
Med
Low

CD 1

CUSTOMER CARE

PROJECT TITLE
CUSTOMER CARE

ACTIVITY 332000 **CATEGORY** Water Distribution System

DIVISION
CUSTOMER ADMINISTRATION

PRIORITY		TYPE PROJECT
Score		Replacement X
High		Expansion
Medium	X	New X
Low		Renovation

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE
CPR1000008

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. FY23 estimate is based on 1,477 meters a unit cost of \$263.59. This includes the purchase of 250 Ally water meters for monitoring pressure across the system; FY24 estimate is based on 1,551 meters at a unit cost of \$276.77; FY25 estimate is based on 1,629 meters at a unit cost of \$290.61; FY26 estimate is based on 1,710 meters at a unit cost of \$305.14; FY27 estimate is based on 1,796 meters at a unit cost of \$320.40; FY28 estimate is based on 1,886 meters at a unit cost of \$336.42; FY29 estimate is based on 1,980 meters at a unit cost of \$353.24; FY30 estimate is based on 2,079 meters at a unit cost of \$370.90; FY31 estimate is based on 2,183 meters at a unit cost of \$389.44 and FY32 estimate is based on 2,292 meters at a unit cost of \$408.91. Beginning in FY24 additional money was budgeted for replacing Omni meters that will begin to fail based on age in FY25. \$238,886 was budgeted to replace 619 meters. In FY26 \$342,021 was budgeted to replace 867 meters. In FY27 \$318,260 was budgeted to replace 763 meters. In FY28 \$48,260 was budgeted to replace 105 meters. In FY29 \$39,320 was budgeted to replace 104 meters. In FY30 \$15,903 was budgeted to replace 41 meters. In FY31 \$2,686 was budgeted to replace 2 meters. In FY32 \$3,671 was budgeted to replace 4 meters.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	698,000	1,085,000	1,275,000	1,347,000	1,182,000	5,884,000	11,471,000
Personnel	443,000	454,000	465,000	477,000	489,000	2,634,000	4,962,000
Other	-	-	-	-	-	-	-
Total	1,141,000	1,539,000	1,740,000	1,824,000	1,671,000	8,518,000	16,433,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							633,000
<i>FY2022 Estimate</i>							1,017,000
Total							18,083,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	1,141,000	1,539,000	1,740,000	1,824,000	1,671,000	8,518,000	16,433,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	1,141,000	1,539,000	1,740,000	1,824,000	1,671,000	8,518,000	16,433,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score: High Med Low
CD 2

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ADMINISTRATIVE

PROJECT TITLE

Robert C. Williams Business Center Upfit

ACTIVITY

390000

CATEGORY

Structures and Improvements

DIVISION

ADMINISTRATIVE

PRIORITY

Score

High

Medium

Low

TYPE PROJECT

Replacement

Expansion

New

Renovation

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000002

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 96% occupied with 3 vacant suites.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	10,000	10,000	10,000	10,000	50,000	90,000
Construction	-	50,000	50,000	50,000	50,000	250,000	450,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	-	60,000	60,000	60,000	60,000	300,000	540,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							33,000
<i>FY2022 Estimate</i>							208,000
Total							781,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	60,000	60,000	60,000	60,000	300,000	540,000
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	300,000	540,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



AD 1

ADMINISTRATIVE

PROJECT TITLE

Multipurpose Building

ACTIVITY

390000

CATEGORY

Structures and Improvements

DIVISION

ADMINISTRATIVE

PRIORITY

Score

High

Medium

Low

TYPE PROJECT

Replacement

Expansion

New

Renovation

X

BID DATE

10/15/2024

START CONSTRUCTION DATE

12/15/2025

EXPECTED COMPLETION DATE

5/30/2027

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							10,350,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



AD 2

ADMINISTRATIVE

PROJECT TITLE

Roof Replacement for the Electric and Water Vehicle Sheds

ACTIVITY

390000

CATEGORY

Structures and Improvements

DIVISION

ADMINISTRATIVE

PRIORITY

Score

High

Medium

Low

TYPE PROJECT

Replacement

Expansion

New

Renovation

X

BID DATE

8/15/2022

START CONSTRUCTION DATE

9/15/2022

EXPECTED COMPLETION DATE

1/15/2023

BUDGET CODE

CPR1000518

PROJECT DESCRIPTION & JUSTIFICATION

The roofs on the Electric and Water Vehicle Sheds 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 roof membrane.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	10,000	-	-	-	-	-	10,000
Construction	276,000	-	-	-	-	-	276,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	286,000	-	-	-	-	-	286,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							286,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	182,000	-	-	-	-	-	182,000
Water/Sewer Fund	104,000	-	-	-	-	-	104,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	286,000	-	-	-	-	-	286,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High

Med

Low

AD 3

ADMINISTRATIVE

PROJECT TITLE

Space Planning and Utilization Project

ACTIVITY

390000

CATEGORY

Structures and Improvements

DIVISION

ADMINISTRATIVE

PRIORITY

Score

High

Medium

Low

TYPE PROJECT

Replacement

Expansion

New

Renovation

BID DATE

8/15/2022

START CONSTRUCTION DATE

10/15/2022

EXPECTED COMPLETION DATE

5/15/2026

BUDGET CODE

CPR1000515

PROJECT DESCRIPTION & JUSTIFICATION

Over the years minor renovations have been made to the Administration and Operations buildings on PWC's main campus to accommodate organizational growth. A Space Planning and Utilization Study was completed in FY21 and FY22. This project is to design and construct the recommended changes from the Space Planning and Utilization Study.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	12,000	308,000	100,000	100,000	-	-	520,000
Construction	388,000	3,512,000	2,000,000	1,000,000	-	-	6,900,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	400,000	3,820,000	2,100,000	1,100,000	-	-	7,420,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							260,000
Total							7,680,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	400,000	3,820,000	2,100,000	1,100,000	-	-	7,420,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	400,000	3,820,000	2,100,000	1,100,000	-	-	7,420,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



AD 4

ADMINISTRATIVE

PROJECT TITLE

Replace Fuel Island Diesel Storage Tank

ACTIVITY

390000

CATEGORY

Structures and Improvements

DIVISION

ADMINISTRATIVE

PRIORITY

Score

High

Medium

Low

TYPE PROJECT

Replacement

Expansion

New

Renovation

X

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000461

PROJECT DESCRIPTION & JUSTIFICATION

The project will replace the existing 10,000 gallon diesel storage tank located at the fuel island with a new 20,000 gallon diesel tank. This increase in capacity is necessary to maintain operations during emergency and recovery efforts. PWC no longer has access to the City of Fayetteville fuel island for back up fuel purposes. During Hurricane Florence, we required in excess of 5,000 gallons of diesel per day for bypass pumps, generators and vehicles. We are also adding additional emergency diesel generators to the operations complex that will increase diesel fuel demand.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	25,000	-	-	-	-	-	25,000
Construction	310,000	-	-	-	-	-	310,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	335,000	-	-	-	-	-	335,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							218,000
Total							553,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	167,500	-	-	-	-	-	167,500
Water/Sewer Fund	167,500	-	-	-	-	-	167,500
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	335,000	-	-	-	-	-	335,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



AD 5



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WATER RESOURCES

PROJECT TITLE

Land and Land Rights - Water

ACTIVITY

310000

CATEGORY

Land and Land Rights

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	
New	X
Renovation	

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000084

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							78,000
<i>FY2022 Estimate</i>							375,000
Total							653,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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:



WS 1

WATER RESOURCES

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

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	62,000	64,000	66,000	68,000	70,000	350,000	680,000
Construction	309,000	318,000	328,000	338,000	348,000	1,740,000	3,381,000
Equipment	144,000	148,000	152,000	157,000	162,000	810,000	1,573,000
Personnel	103,000	106,000	109,000	112,000	115,000	575,000	1,120,000
Other	-	-	-	-	-	-	-
Total	618,000	636,000	655,000	675,000	695,000	3,475,000	6,754,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							751,000
<i>FY2022 Estimate</i>							963,000
Total							8,468,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	618,000	636,000	655,000	675,000	695,000	3,475,000	6,754,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	618,000	636,000	655,000	675,000	695,000	3,475,000	6,754,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	15,000	16,000	17,000	18,000	19,000	95,000	180,000
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	15,000	16,000	17,000	18,000	19,000	95,000	180,000

*Priority Score:
WS 2



WATER RESOURCES

PROJECT TITLE

Water Lateral Renewals (PWC Forces)

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000086

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	504,000	529,000	555,000	583,000	612,000	3,060,000	5,843,000
Personnel	284,000	298,000	313,000	329,000	346,000	1,730,000	3,300,000
Other	-	-	-	-	-	-	-
Total	788,000	827,000	868,000	912,000	958,000	4,790,000	9,143,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							696,000
<i>FY2022 Estimate</i>							743,000
Total							10,582,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	788,000	827,000	868,000	912,000	958,000	4,790,000	9,143,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	788,000	827,000	868,000	912,000	958,000	4,790,000	9,143,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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

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

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	180,000	184,000	188,000	192,000	196,000	980,000	1,920,000
Personnel	50,000	51,000	52,000	53,000	54,000	270,000	530,000
Other	-	-	-	-	-	-	-
Total	230,000	235,000	240,000	245,000	250,000	1,250,000	2,450,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							112,000
<i>FY2022 Estimate</i>							211,000
Total							2,773,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	230,000	235,000	240,000	245,000	250,000	1,250,000	2,450,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	230,000	235,000	240,000	245,000	250,000	1,250,000	2,450,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(2,000)	(2,000)	(2,000)	(2,000)	(2,000)	(20,000)	(30,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(2,000)	(2,000)	(2,000)	(2,000)	(2,000)	(20,000)	(30,000)

*Priority Score:



WS 4

WATER RESOURCES

PROJECT TITLE

Water Distribution System Rehabilitation

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

	Replacement	X
X	Expansion	
	New	
	Renovation	X

BID DATE

5/15/2019

START CONSTRUCTION DATE

9/1/2019

EXPECTED COMPLETION DATE

6/30/3032

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	5,350,000	5,350,000	5,350,000	6,100,000	6,100,000	34,250,000	62,500,000
Equipment	-	-	-	-	-	-	-
Personnel	260,000	260,000	260,000	260,000	260,000	1,300,000	2,600,000
Other	390,000	390,000	390,000	1,140,000	1,140,000	9,450,000	12,900,000
Total	6,000,000	6,000,000	6,000,000	7,500,000	7,500,000	45,000,000	78,000,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							5,829,000
<i>FY2022 Estimate</i>							2,963,000
Total							86,792,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	6,000,000	6,000,000	6,000,000	7,500,000	7,500,000	45,000,000	78,000,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	6,000,000	6,000,000	6,000,000	7,500,000	7,500,000	45,000,000	78,000,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:

High
Med
Low

WS 5

WATER RESOURCES

PROJECT TITLE

Braxton Road 12" Water Main Extension

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	
New	X
Renovation	

BID DATE

5/1/2024

START CONSTRUCTION DATE

8/1/2024

EXPECTED COMPLETION DATE

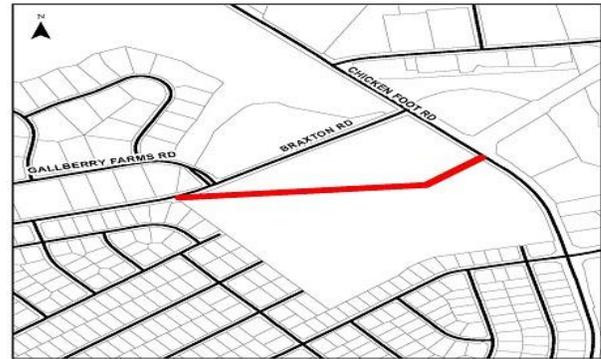
8/31/2025

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							600,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	85,000	385,000	130,000	-	-	600,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	85,000	385,000	130,000	-	-	600,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High	Med	Low
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WS 6

WATER RESOURCES

PROJECT TITLE

Phase V Annexation - Water Main Extension

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

BID DATE

8/1/2011

START CONSTRUCTION DATE

2/1/2013

EXPECTED COMPLETION DATE

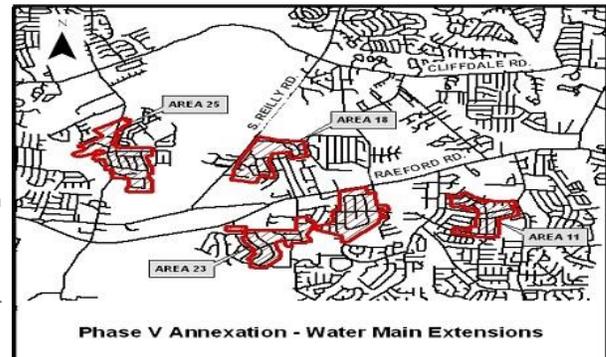
12/31/2030

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 begins in FY23; Area 29: Design begins in FY22 Construction begins in FY26; Areas 30: Design begins in FY27 Construction in FY29; Area 31: Design begins in FY27 Construction begins in FY29; Area 33: Design begins in FY22 Construction in FY26 and FY28; 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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	18,000	15,000	25,000	21,000	-	-	79,000
Engineering	396,000	240,000	166,000	276,000	826,000	771,000	2,675,000
Construction	2,233,000	1,586,000	-	956,000	3,639,000	9,045,000	17,459,000
Equipment	-	-	-	-	-	-	-
Personnel	61,000	42,000	44,000	60,000	160,000	434,000	801,000
Other	-	-	-	-	-	-	-
Total	2,708,000	1,883,000	235,000	1,313,000	4,625,000	10,250,000	21,014,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							1,648,000
<i>FY2022 Estimate</i>							378,000
Total							23,040,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	2,708,000	1,883,000	235,000	1,313,000	4,625,000	10,250,000	21,014,000
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	2,708,000	1,883,000	235,000	1,313,000	4,625,000	10,250,000	21,014,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	120,000	165,000	239,000	284,000	299,000	2,640,000	3,747,000
Capital Outlays	-	-	-	-	-	-	-
New Revenue	(19,000)	(31,000)	(36,000)	(40,000)	(79,000)	(673,000)	(878,000)
Total	101,000	134,000	203,000	244,000	220,000	1,967,000	2,869,000

*Priority Score:



WS 7

WATER RESOURCES

PROJECT TITLE Replace Existing Water Mains not Encased Under Railroad Crossings	ACTIVITY 331000	CATEGORY Water Distribution System												
DIVISION WATER RESOURCES	PRIORITY Score High Medium Low	TYPE PROJECT <table border="1"> <tr><td></td><td>Replacement</td><td>X</td></tr> <tr><td>X</td><td>Expansion</td><td></td></tr> <tr><td></td><td>New</td><td></td></tr> <tr><td></td><td>Renovation</td><td></td></tr> </table>		Replacement	X	X	Expansion			New			Renovation	
	Replacement	X												
X	Expansion													
	New													
	Renovation													
BID DATE 3/15/2021														
START CONSTRUCTION DATE 12/15/2021														
EXPECTED COMPLETION DATE 6/30/2026	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 that are not encased can cause railroad tracks to settle. Engineering will be completed by in-house staff and by consultants. FY23 work will include construction of two sites.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	20,000	-	-	-	-	20,000
Engineering	110,000	50,000	70,000	70,000	-	-	300,000
Construction	1,410,000	500,000	910,000	800,000	-	-	3,620,000
Equipment	-	-	-	-	-	-	-
Personnel	15,000	15,000	15,000	15,000	-	-	60,000
Other	-	-	-	-	-	-	-
Total	1,535,000	585,000	995,000	885,000	-	-	4,000,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							621,000
<i>FY2022 Estimate</i>							724,000
Total							5,345,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	1,535,000	585,000	995,000	885,000	-	-	4,000,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	1,535,000	585,000	995,000	885,000	-	-	4,000,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:



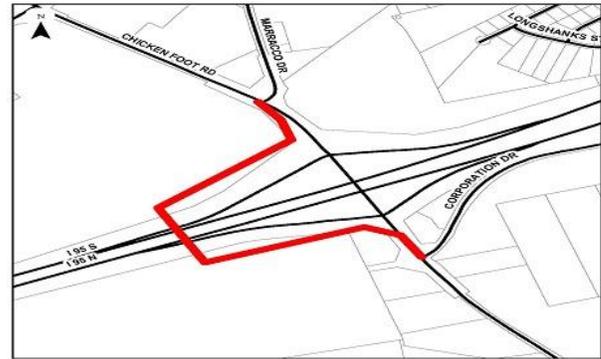
WS 8

WATER RESOURCES

PROJECT TITLE Chicken Foot Road 16" Water Main Interconnect	ACTIVITY 331000	CATEGORY Water Distribution System
DIVISION WATER RESOURCES	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 2/15/2022		X
START CONSTRUCTION DATE 4/15/2022		X
EXPECTED COMPLETION DATE 12/11/2022	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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	15,000	-	-	-	-	-	15,000
Construction	1,000,000	-	-	-	-	-	1,000,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	-	-	-	-	-	10,000
Other	-	-	-	-	-	-	-
Total	1,025,000	-	-	-	-	-	1,025,000
Pre-FY2022 Exp (Rolling 3 Yr Avg)							170,000
FY2022 Estimate							154,000
Total							1,349,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	1,025,000	-	-	-	-	-	1,025,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	1,025,000	-	-	-	-	-	1,025,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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

PROJECT TITLE

West Fayetteville Pressure Zone Improvements

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	X
Renovation	

BID DATE

5/15/2026

START CONSTRUCTION DATE

8/13/2026

EXPECTED COMPLETION DATE

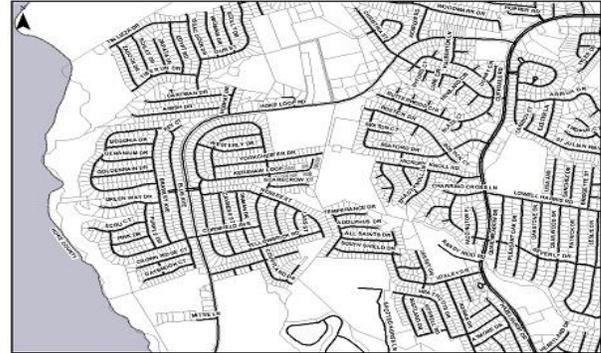
2/4/2028

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 was begun in FY22 with construction set for following years.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	50,000	-	-	-	-	-	50,000
Engineering	200,000	250,000	-	-	775,000	385,000	1,610,000
Construction	-	-	-	-	5,950,000	2,975,000	8,925,000
Equipment	-	-	-	-	-	-	-
Personnel	6,000	5,000	-	-	20,000	20,000	51,000
Other	-	-	-	-	-	-	-
Total	256,000	255,000	-	-	6,745,000	3,380,000	10,636,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							175,000
Total							10,811,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	256,000	255,000	-	-	6,745,000	3,380,000	10,636,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	256,000	255,000	-	-	6,745,000	3,380,000	10,636,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 10

WATER RESOURCES

PROJECT TITLE

Sandhill Road 12" Water Main Extension

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	
New	X
Renovation	

BID DATE

9/15/2027

START CONSTRUCTION DATE

2/1/2028

EXPECTED COMPLETION DATE

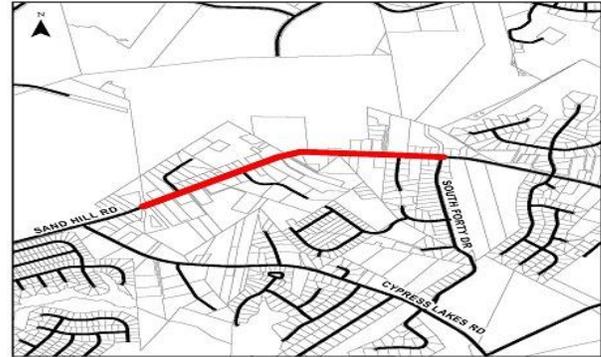
12/25/2028

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	50,000	25,000	75,000
Engineering	-	-	-	-	75,000	60,000	135,000
Construction	-	-	-	-	-	900,000	900,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	15,000	30,000	45,000
Other	-	-	-	-	10,000	20,000	30,000
Total	-	-	-	-	150,000	1,035,000	1,185,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							1,185,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	150,000	1,035,000	1,185,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	150,000	1,035,000	1,185,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 11

WATER RESOURCES

PROJECT TITLE

Cliffdale Road Transmission Water Main Improvements

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	X
Renovation	

BID DATE

5/15/2023

START CONSTRUCTION DATE

7/14/2023

EXPECTED COMPLETION DATE

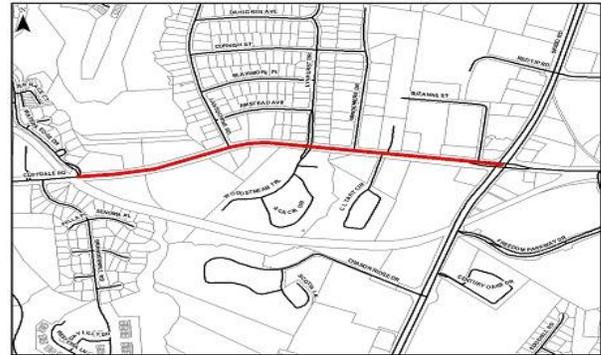
3/11/2024

BUDGET CODE

CPR1000405

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 FY21 with bidding and construction set for FY22 and FY23



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	350,000	-	-	-	-	-	350,000
Construction	-	2,160,000	-	-	-	-	2,160,000
Equipment	-	-	-	-	-	-	-
Personnel	20,000	10,000	-	-	-	-	30,000
Other	-	-	-	-	-	-	-
Total	370,000	2,170,000	-	-	-	-	2,540,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							217,000
Total							2,757,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	370,000	2,170,000	-	-	-	-	2,540,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	370,000	2,170,000	-	-	-	-	2,540,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 12

WATER RESOURCES

PROJECT TITLE

Russell St Water Main Replacement, Gillespie St to Eastern Blvd

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

4/5/2016

START CONSTRUCTION DATE

9/12/2016

EXPECTED COMPLETION DATE

10/31/2022

BUDGET CODE

CPR1000236

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to resurface Russell Street from Eastern Boulevard to Gillespie Street. The water lines along Russell Street are aging cast iron pipe that need replacement and upgrades. PWC has three (3) large diameter mains crossing the CSX Railroad that need to be encased to protect the railroad from water main breaks. This project will also improve system reliability and redundancy. See WS 65-CPR1000440 for the sewer portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	100,000	-	-	-	-	-	100,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	-	-	-	-	-	10,000
Other	-	-	-	-	-	-	-
Total	110,000	-	-	-	-	-	110,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							146,000
Total							256,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	110,000	-	-	-	-	-	110,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	110,000	-	-	-	-	-	110,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 13

WATER RESOURCES

PROJECT TITLE

Yadkin Road Water Main Replacement

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

2/15/2029

START CONSTRUCTION DATE

7/15/2029

EXPECTED COMPLETION DATE

6/30/2031

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 FY2027, with construction starting in FY2029.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	50,000	500,000	550,000
Construction	-	-	-	-	-	3,000,000	3,000,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	10,000	60,000	70,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	60,000	3,560,000	3,620,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							3,620,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	60,000	3,560,000	3,620,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	60,000	3,560,000	3,620,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score: High Med Low
WS 14

WATER RESOURCES

PROJECT TITLE

US HWY 401 North - Elevated Water Tank (Contract 3)

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	X
Renovation	

BID DATE

3/15/2024

START CONSTRUCTION DATE

6/13/2024

EXPECTED COMPLETION DATE

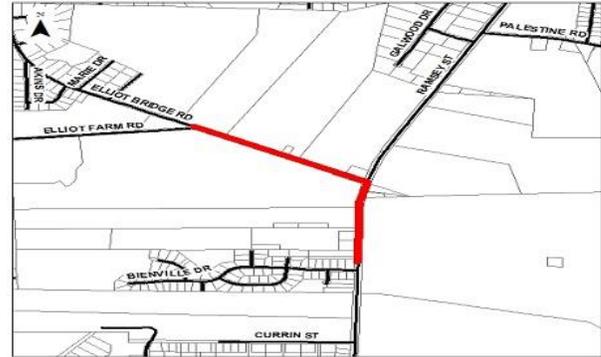
7/30/2025

BUDGET CODE

CPR1000429

PROJECT DESCRIPTION & JUSTIFICATION

This project is constructing water system improvements along the HWY 401 North corridor in Cumberland County. Contract 1 that installed water mains and Contract 2 that installed a Booster Pump Station are complete. Contract 3 will construct an elevated tank. All these elements are required for a new boosted pressure zone to serve anticipated development. Design and permitting for the Contract 3: Elevated Tank project is complete. Construction is subject to the pace of development in this new service area. It is anticipated that bids for tank construction will be received in late FY23 with construction completing in late FY24.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	15,000	50,000	10,000	-	-	75,000
Construction	-	-	5,300,000	-	-	-	5,300,000
Equipment	-	-	-	-	-	-	-
Personnel	-	5,000	20,000	3,000	-	-	28,000
Other	-	-	-	-	-	-	-
Total	-	20,000	5,370,000	13,000	-	-	5,403,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							5,403,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	20,000	5,370,000	13,000	-	-	5,403,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	20,000	5,370,000	13,000	-	-	5,403,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	(2,500)	(2,500)	(127,500)	(132,500)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	(2,500)	(2,500)	(127,500)	(132,500)

*Priority Score:

High Med Low

WS 15

WATER RESOURCES

PROJECT TITLE

High Pressure Zone Transmission Water Main Improvements

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

	Replacement	
X	Expansion	
	New	X
	Renovation	X

BID DATE

10/15/2025

START CONSTRUCTION DATE

1/13/2026

EXPECTED COMPLETION DATE

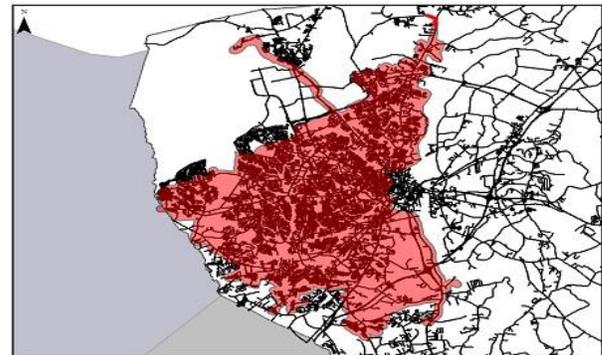
5/7/2027

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. Engineering was begun in FY22 with construction slated for FY26 and FY27.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	250,000	-	-	-	250,000
Engineering	160,000	-	-	460,000	213,000	-	833,000
Construction	-	-	-	3,000,000	2,660,000	-	5,660,000
Equipment	-	-	-	-	-	-	-
Personnel	15,000	-	-	15,000	15,000	-	45,000
Other	-	-	-	-	-	-	-
Total	175,000	-	250,000	3,475,000	2,888,000	-	6,788,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							94,000
Total							6,882,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	175,000	-	250,000	3,475,000	2,888,000	-	6,788,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	175,000	-	250,000	3,475,000	2,888,000	-	6,788,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:



WS 16

WATER RESOURCES

PROJECT TITLE

Kings Grant Water Main Looping

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	X
Renovation	

BID DATE

5/1/2028

START CONSTRUCTION DATE

10/1/2028

EXPECTED COMPLETION DATE

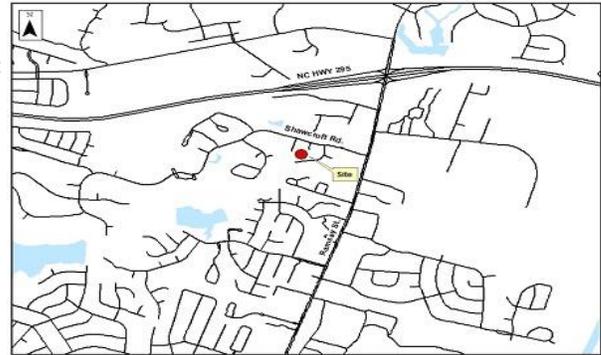
6/30/2029

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	50,000	50,000
Engineering	-	-	-	-	-	150,000	150,000
Construction	-	-	-	-	-	750,000	750,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	15,000	15,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	965,000	965,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							965,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	965,000	965,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	965,000	965,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



WS 17

WATER RESOURCES

PROJECT TITLE

Ramsey Street Water Transmission Main Improvements No. 1

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	

BID DATE

5/28/2024

START CONSTRUCTION DATE

7/30/2024

EXPECTED COMPLETION DATE

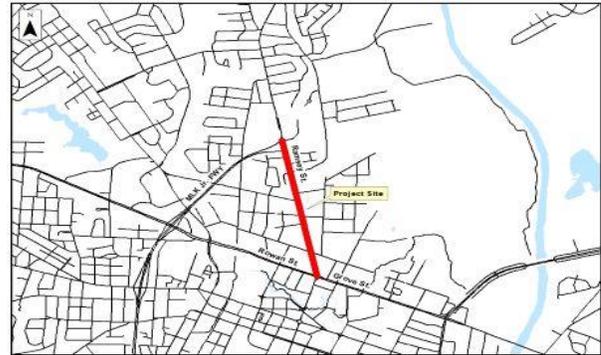
7/15/2026

BUDGET CODE

CPR1000507

PROJECT DESCRIPTION & JUSTIFICATION

Water main improvements are required along Ramsey Street to support transmission to the new pressure zone (HWY401NPZ) and future demands including new homes and a proposed future Industrial site north of the Goodyear Tire Plant. Improvement No. 1 of 3 includes installation of 9,000 LF of new 24-inch parallel main from Sunset Avenue to Country Club Drive. Completion must precede the HWY 401 North PZ booster pump station capacity upgrade beyond 400 gpm. The design is planned for FY2023 to FY2024. Construction is scheduled to begin in FY2025 and complete within two years by FY2027.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	100,000	-	-	-	-	100,000
Engineering	400,000	300,000	50,000	50,000	10,000	-	810,000
Construction	-	-	1,800,000	1,440,000	360,000	-	3,600,000
Equipment	-	-	-	-	-	-	-
Personnel	40,000	40,000	20,000	20,000	5,000	-	125,000
Other	-	-	5,000	5,000	-	-	10,000
Total	440,000	440,000	1,875,000	1,515,000	375,000	-	4,645,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							6,000
Total							4,651,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	440,000	440,000	1,875,000	1,515,000	375,000	-	4,645,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	440,000	440,000	1,875,000	1,515,000	375,000	-	4,645,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:

High
Med
Low

WS 18

WATER RESOURCES

PROJECT TITLE

Water Improvements to serve the 401 N. Industrial Site

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	
New	X
Renovation	

BID DATE

1/30/2025

START CONSTRUCTION DATE

4/14/2025

EXPECTED COMPLETION DATE

10/11/2025

BUDGET CODE

CPR1000514

PROJECT DESCRIPTION & JUSTIFICATION

This project will extend 5750 feet of new 12-inch water main to serve the #401 North Industrial site located off of Slocomb Road. The new water main would begin at connection with the existing 16-inch main along Ramsey Street at the intersection with Lou Drive parallel the western boundary of the industrial site and tie to the terminal end of the existing 8-inch main along Bethune Drive. This "looped" condition would provide redundancy and the optimal hydraulic conditions for service. See WS 88 - CPR1000513 for the sewer portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	25,000	-	-	-	-	25,000
Engineering	30,000	50,000	20,000	25,000	-	-	125,000
Construction	-	-	150,000	560,000	-	-	710,000
Equipment	-	-	-	-	-	-	-
Personnel	5,000	10,000	10,000	10,000	-	-	35,000
Other	-	-	-	-	-	-	-
Total	35,000	85,000	180,000	595,000	-	-	895,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							895,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	35,000	85,000	180,000	595,000	-	-	895,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	35,000	85,000	180,000	595,000	-	-	895,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:
WS 19



WATER RESOURCES

PROJECT TITLE PO Hoffer WTP / Glenville Lake WTP Reliability Improvements	ACTIVITY 323000	CATEGORY PO Hoffer WTP
DIVISION WATER RESOURCES	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 5/15/2022		
START CONSTRUCTION DATE 7/29/2022		
EXPECTED COMPLETION DATE 7/28/2024	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 is funded by a DWSRF Loan with project bidding is expected in May of 2022. Construction will follow in FY23 and FY24.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	212,000	315,000	-	-	-	-	527,000
Construction	3,900,000	5,819,000	-	-	-	-	9,719,000
Equipment	-	-	-	-	-	-	-
Personnel	30,000	30,000	-	-	-	-	60,000
Other	-	-	-	-	-	-	-
Total	4,142,000	6,164,000	-	-	-	-	10,306,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							237,000
<i>FY2022 Estimate</i>							2,000
Total							10,545,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	30,000	30,000	-	-	-	-	60,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	4,112,000	6,134,000	-	-	-	-	10,246,000
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	4,142,000	6,164,000	-	-	-	-	10,306,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score: High Med Low
WS 20

WATER RESOURCES

PROJECT TITLE PO Hoffer WTF Capacity Expansion, Phase 2	ACTIVITY 323000	CATEGORY PO Hoffer WTP
DIVISION WATER RESOURCES	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 5/15/2027		
START CONSTRUCTION DATE 10/12/2027		
EXPECTED COMPLETION DATE 3/30/2029	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 POHWP 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 2027.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	50,000	2,100,000	2,150,000
Construction	-	-	-	-	-	37,430,000	37,430,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	10,000	26,000	36,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	60,000	39,556,000	39,616,000
Pre-FY2022 Exp (Rolling 3 Yr Avg)							2,861,000
FY2022 Estimate							-
Total							42,477,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	60,000	39,556,000	39,616,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	60,000	39,556,000	39,616,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	(50,000)	(250,000)	(300,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	(50,000)	(250,000)	(300,000)

*Priority Score:



WS 21

WATER RESOURCES

PROJECT TITLE PO Hoffer WTF Capacity Expansion, Phase 3 – Residuals Facilities Expansion	ACTIVITY 323000	CATEGORY PO Hoffer WTP
DIVISION WATER RESOURCES	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 4/1/2025		
START CONSTRUCTION DATE 8/1/2025		
EXPECTED COMPLETION DATE 1/22/2027	BUDGET CODE CPR1000232	

PROJECT DESCRIPTION & JUSTIFICATION

Design of the PO Hoffer WTF Capacity Expansion, Phase 3 project for new residuals handling facilities commenced in FY20. Application for SRF Loan funding was made in FY22. Detailed design of the Phase 3 project will be completed in early FY23 with construction expected to begin in FY26.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	100,000	-	-	500,000	400,000	-	1,000,000
Construction	-	-	-	8,000,000	7,000,000	-	15,000,000
Equipment	-	-	-	-	-	-	-
Personnel	5,000	-	-	15,000	30,000	-	50,000
Other	-	-	-	-	-	-	-
Total	105,000	-	-	8,515,000	7,430,000	-	16,050,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							185,000
<i>FY2022 Estimate</i>							709,000
Total							16,944,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	5,000	-	-	15,000	30,000	-	50,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	100,000	-	-	8,500,000	7,400,000	-	16,000,000
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	105,000	-	-	8,515,000	7,430,000	-	16,050,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	(25,000)	(25,000)	(125,000)	(175,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	(25,000)	(25,000)	(125,000)	(175,000)

*Priority Score: High Med Low
WS 22

WATER RESOURCES

PROJECT TITLE Replace Standby Power Generator at the PO Hoffer WTP	ACTIVITY 323000	CATEGORY PO Hoffer WTP
DIVISION WATER RESOURCES	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 11/15/2022		
START CONSTRUCTION DATE 2/1/2023		
EXPECTED COMPLETION DATE 10/12/2023	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 and bidding will take place in FY23. Project construction will initiate in FY23 and be complete in FY24.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	100,000	50,000	-	-	-	-	150,000
Construction	2,235,000	1,490,000	-	-	-	-	3,725,000
Equipment	-	-	-	-	-	-	-
Personnel	15,000	5,000	-	-	-	-	20,000
Other	-	-	-	-	-	-	-
Total	2,350,000	1,545,000	-	-	-	-	3,895,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							3,895,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	2,350,000	1,545,000	-	-	-	-	3,895,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	2,350,000	1,545,000	-	-	-	-	3,895,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	(7,500)	(7,500)	(7,500)	(7,500)	(37,500)	(67,500)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	(7,500)	(7,500)	(7,500)	(7,500)	(37,500)	(67,500)

*Priority Score:



WS 23

WATER RESOURCES

PROJECT TITLE

Kornbow Lake Dam Spillway Replacement

ACTIVITY

312000

CATEGORY

Glennville WTP

DIVISION

WATER RESOURCES

PRIORITY

Score

High

Medium

Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

8/15/2025

START CONSTRUCTION DATE

12/15/2025

EXPECTED COMPLETION DATE

12/15/2026

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 needs 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 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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	260,000	-	150,000	100,000	-	-	510,000
Construction	-	-	1,234,000	820,000	-	-	2,054,000
Equipment	-	-	-	-	-	-	-
Personnel	5,000	-	6,000	6,000	-	-	17,000
Other	-	-	-	-	-	-	-
Total	265,000	-	1,390,000	926,000	-	-	2,581,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							57,000
<i>FY2022 Estimate</i>							100,000
Total							2,738,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	265,000	-	1,390,000	926,000	-	-	2,581,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	265,000	-	1,390,000	926,000	-	-	2,581,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:

High	Med	Low
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WS 24

WATER RESOURCES

PROJECT TITLE Replacement of Water Mains in Dams	ACTIVITY 331000	CATEGORY Water Distribution System								
DIVISION WATER RESOURCES	PRIORITY Score High Medium Low	TYPE PROJECT <table border="1"> <tr><td>Replacement</td><td>X</td></tr> <tr><td>Expansion</td><td></td></tr> <tr><td>New</td><td></td></tr> <tr><td>Renovation</td><td></td></tr> </table>	Replacement	X	Expansion		New		Renovation	
Replacement	X									
Expansion										
New										
Renovation										
BID DATE 12/15/2027										
START CONSTRUCTION DATE 4/15/2028										
EXPECTED COMPLETION DATE 6/30/2031	BUDGET CODE CPR1000512									

PROJECT DESCRIPTION & JUSTIFICATION

This project will replace and relocate existing water mains that are located within the footprint of existing dams. PWC undertook an evaluation of the existing water mains and identified many locations where the existing water main is within the dam embankment. Failure of these water mains would likely result in failure of the dam structure resulting in significant social and economic losses. Relocation of the water mains outside of the dam embankment minimizes the risk of the water main failing and the impacts to the utility should the dam fail. See WS 89 - CPR1000511 for the Sewer portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	50,000	30,000	80,000
Engineering	-	-	50,000	150,000	300,000	750,000	1,250,000
Construction	-	-	-	-	-	6,200,000	6,200,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	5,000	15,000	15,000	60,000	95,000
Other	-	-	-	-	-	-	-
Total	-	-	55,000	165,000	365,000	7,040,000	7,625,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							7,625,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	55,000	165,000	365,000	7,040,000	7,625,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	55,000	165,000	365,000	7,040,000	7,625,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score: High Med Low
WS 25

WATER RESOURCES

PROJECT TITLE

Utility Improvements for City of Fayetteville Storm Drainage Improvements - Wat: 331000

ACTIVITY

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	X
New	X
Renovation	

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000096

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	35,000	35,000	35,000	30,000	30,000	150,000	315,000
Construction	500,000	500,000	500,000	200,000	200,000	1,000,000	2,900,000
Equipment	-	-	-	-	-	-	-
Personnel	20,000	20,000	20,000	20,000	20,000	100,000	200,000
Other	-	-	-	-	-	-	-
Total	555,000	555,000	555,000	250,000	250,000	1,250,000	3,415,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							175,000
<i>FY2022 Estimate</i>							242,000
Total							3,832,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	555,000	555,000	555,000	250,000	250,000	1,250,000	3,415,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	555,000	555,000	555,000	250,000	250,000	1,250,000	3,415,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score: High Med Low
WS 26

WATER RESOURCES

PROJECT TITLE

Utility Improvements for the Town of Hope Mills Stormwater Projects - Water

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	X

BID DATE

START CONSTRUCTION DATE

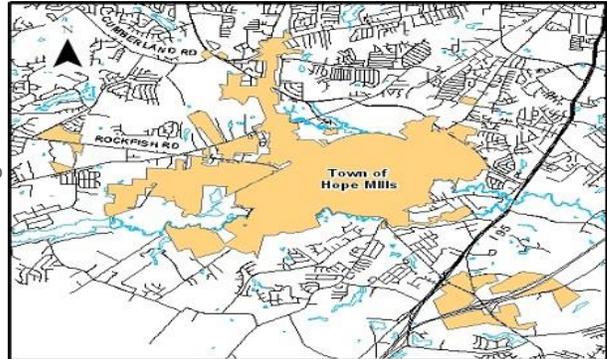
EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000105

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							250,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:

High
Med
Low

WS 27

WATER RESOURCES

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

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	5,000	5,000	5,000	5,000	5,000	25,000	50,000
Equipment	-	-	-	-	-	-	-
Personnel	5,000	5,000	5,000	5,000	5,000	25,000	50,000
Other	-	-	-	-	-	-	-
Total	10,000	10,000	10,000	10,000	10,000	50,000	100,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							1,000
<i>FY2022 Estimate</i>							-
Total							101,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score: High Med Low
WS 28

WATER RESOURCES

PROJECT TITLE

NC 59 Water Main Extension from Church St. to Parkton Rd.

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	X
Renovation	

BID DATE

8/15/2027

START CONSTRUCTION DATE

12/15/2027

EXPECTED COMPLETION DATE

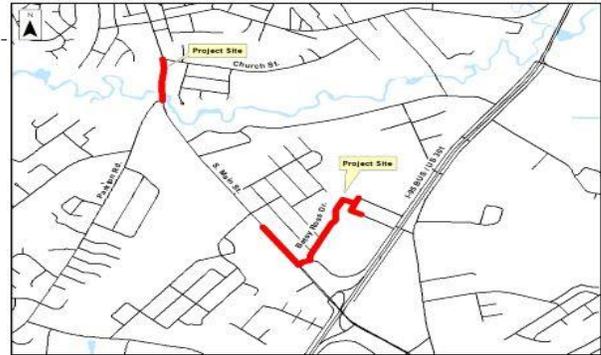
6/15/2029

BUDGET CODE

CPR1000437

PROJECT DESCRIPTION & JUSTIFICATION

This project includes the installation of approximately 9000 linear feet of 8-inch and 16-inch water mains outside the U-6001 NCDOT project limits in order to connect to PWC's existing system. This project consists of approximately 1000 LF of 16-inch water main between Church Street and Parkton Road in Hope Mills. Approximately 8000 LF of water mains will be designed and extended from Missy Byrd Lane to US 301. Design for these water main extensions has been put on hold due to a delay in the NCDOT schedule.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	20,000	20,000
Engineering	-	-	-	-	-	200,000	200,000
Construction	-	-	-	-	-	2,700,000	2,700,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	20,000	20,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,940,000	2,940,000
Pre-FY2022 Exp (Rolling 3 Yr Avg)							223,000
FY2022 Estimate							8,000
Total							3,171,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	2,940,000	2,940,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,940,000	2,940,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 29

WATER RESOURCES

PROJECT TITLE

NCDOT U-6001 NC 59 Widening, Parkton Road to US 301 - Water

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	X
Renovation	

BID DATE

1/1/2040

START CONSTRUCTION DATE

4/15/2040

EXPECTED COMPLETION DATE

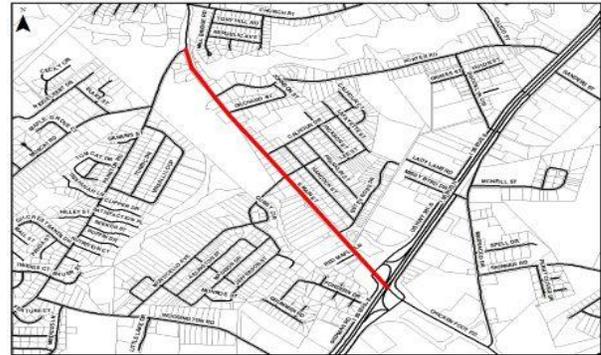
6/15/2043

BUDGET CODE

CPR1000508

PROJECT DESCRIPTION & JUSTIFICATION

This project will install approximately 10000 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 FY2029.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	25,000	25,000
Engineering	-	-	-	-	-	230,000	230,000
Construction	-	-	-	-	-	-	-
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	30,000	30,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	285,000	285,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							285,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	285,000	285,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	285,000	285,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 30

WATER RESOURCES

PROJECT TITLE

NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks Drive to Fairway Drive 331000

ACTIVITY

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	X

BID DATE

11/15/2021

START CONSTRUCTION DATE

2/1/2022

EXPECTED COMPLETION DATE

11/15/2028

BUDGET CODE

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 93 - CPR1000268 for the sewer portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	200,000	180,000	155,000	160,000	105,000	105,000	905,000
Construction	-	3,500,000	-	6,000,000	-	8,200,000	17,700,000
Equipment	-	-	-	-	-	-	-
Personnel	50,000	70,000	70,000	60,000	40,000	40,000	330,000
Other	-	-	-	-	-	-	-
Total	250,000	3,750,000	225,000	6,220,000	145,000	8,345,000	18,935,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							2,011,000
<i>FY2022 Estimate</i>							278,000
Total							21,224,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	250,000	250,000	225,000	220,000	145,000	145,000	1,235,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	3,500,000	-	6,000,000	-	8,200,000	17,700,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	250,000	3,750,000	225,000	6,220,000	145,000	8,345,000	18,935,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:



WS 31

WATER RESOURCES

PROJECT TITLE

NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland Bridge Rd. to Camden Rd. 331000

ACTIVITY

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

1/1/2040

START CONSTRUCTION DATE

3/1/2040

EXPECTED COMPLETION DATE

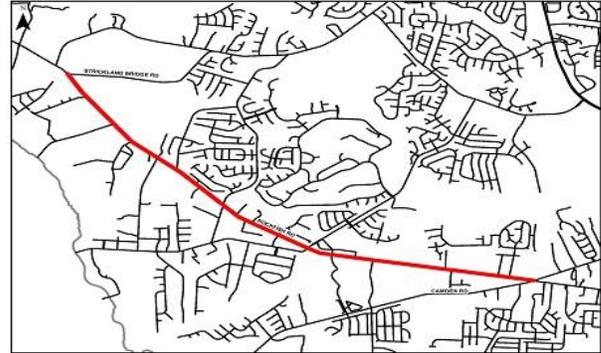
10/31/2043

BUDGET CODE

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 96 - CPR1000379 for the sewer portion of this NCDOT project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	380,000	380,000
Engineering	-	-	-	-	-	334,000	334,000
Construction	-	-	-	-	-	-	-
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	30,000	30,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	744,000	744,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							744,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	744,000	744,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	744,000	744,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High	Med	Low
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WS 32

WATER RESOURCES

PROJECT TITLE

NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC162 Bingham Dr. (Wat 331000)

ACTIVITY

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

10/20/2027

START CONSTRUCTION DATE

12/17/2027

EXPECTED COMPLETION DATE

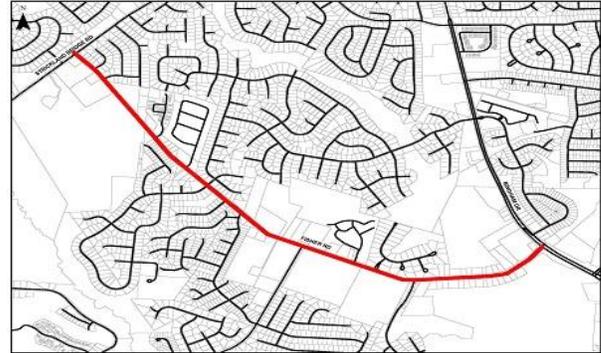
6/30/2029

BUDGET CODE

CPR1000372

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 94 - CPR 1000380 for the sewer portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	677,000	450,000	-	-	1,127,000
Engineering	-	422,000	264,000	222,000	32,000	115,000	1,055,000
Construction	-	-	-	-	-	7,032,000	7,032,000
Equipment	-	-	-	-	-	-	-
Personnel	-	15,000	15,000	15,000	15,000	30,000	90,000
Other	-	-	-	-	-	-	-
Total	-	437,000	956,000	687,000	47,000	7,177,000	9,304,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							9,304,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	437,000	956,000	687,000	47,000	145,000	2,272,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	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	687,000	47,000	7,177,000	9,304,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



WS 33

WATER RESOURCES

PROJECT TITLE

NCDOT U-2519B A/BB Fayetteville Outer Loop from South of US 401 to South of 331000

ACTIVITY

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	X
Renovation	

BID DATE

10/22/2022

START CONSTRUCTION DATE

12/15/2022

EXPECTED COMPLETION DATE

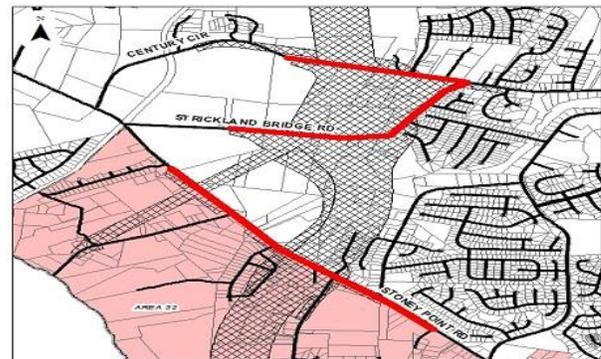
3/15/2024

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 FY23 and be completed in FY24. An agreement with NCDOT is not in place currently. However, billing is expected upon completion of all highway work and to be made in one final payment. See WS 95 - CPR1000350 for the sewer portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	6,000,000	-	-	-	-	6,000,000
Equipment	-	-	-	-	-	-	-
Personnel	15,000	15,000	-	-	-	-	30,000
Other	-	-	-	-	-	-	-
Total	15,000	6,015,000	-	-	-	-	6,030,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							14,000
<i>FY2022 Estimate</i>							1,000
Total							6,045,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	15,000	15,000	-	-	-	-	30,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	5,930,000	-	-	-	-	5,930,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	70,000	-	-	-	-	70,000
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	15,000	6,015,000	-	-	-	-	6,030,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:

High
Med
Low

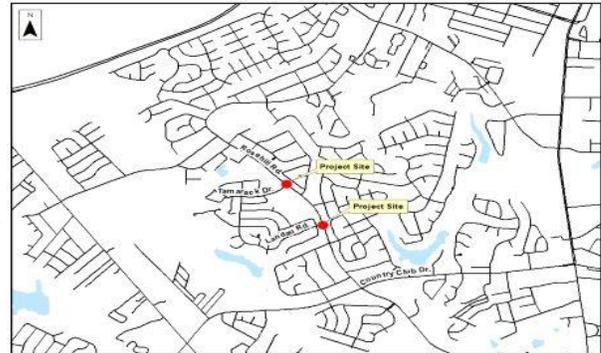
WS 34

WATER RESOURCES

PROJECT TITLE NCDOT W-5806C- Rosehill Rd. Intersection Improvements (Tamarack Dr. and Lan 331000)	ACTIVITY	CATEGORY Water Distribution System
DIVISION WATER RESOURCES	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 5/4/2022		
START CONSTRUCTION DATE 7/2/2022		
EXPECTED COMPLETION DATE 1/2/2023	BUDGET CODE CPR1000509	

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to improve intersections of Rosehill Rd. at Tamarack Dr. and Rosehill Rd. at Landau Rd. with installation of single lane roundabouts. The PWC utilities to be impacted by these improvements includes 16-inch and 8-inch asbestos concrete (AC) water mains and appurtenances. Any mains currently within the intersection will be relocated outside the perimeter of each roundabout for future maintenance access. Approximately 1250 LF of the 16-inch AC main along Rosehill Rd. and 380 LF of the 8-inch AC mains extending beneath the intersecting roads will be replaced with ductile iron pipe (DIP). The scheduled LET date is May 4th 2022 with construction starting in FY2023.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	9,000	-	-	-	-	-	9,000
Construction	585,000	-	-	-	-	-	585,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	-	-	-	-	-	10,000
Other	-	-	-	-	-	-	-
Total	604,000	-	-	-	-	-	604,000
Pre-FY2022 Exp (Rolling 3 Yr Avg)							-
FY2022 Estimate							10,000
Total							614,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	19,000	-	-	-	-	-	19,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	585,000	-	-	-	-	-	585,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	604,000	-	-	-	-	-	604,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:



WS 35

WATER RESOURCES

PROJECT TITLE

NCDOT U-5015 Murchison Road (Langdon St to US 401) - Water

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

1/1/2040

START CONSTRUCTION DATE

3/1/2040

EXPECTED COMPLETION DATE

3/1/2043

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 October 2028 (FY2029). The construction start date is anticipated to be FY2040 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. It is anticipated that NCDOT will bill PWC for the utility work upon completion of the project. See WS 97 - CPR1000496 for the sewer portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	10,000	10,000
Engineering	-	-	-	-	50,000	100,000	150,000
Construction	-	-	-	-	-	-	-
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	5,000	30,000	35,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	55,000	140,000	195,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							195,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	55,000	140,000	195,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	55,000	140,000	195,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 36

WATER RESOURCES

PROJECT TITLE

NCDOT U-4900 Murchison Road Widening - Water

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

5/21/2025

START CONSTRUCTION DATE

7/21/2025

EXPECTED COMPLETION DATE

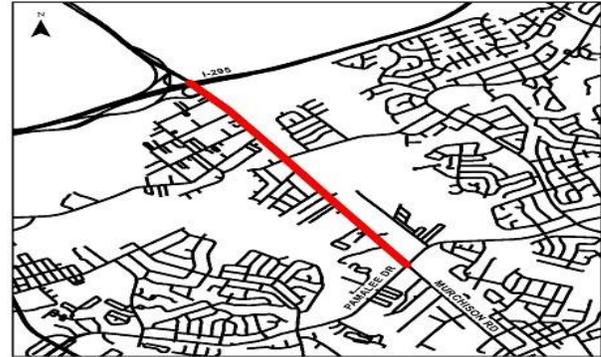
2/21/2028

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 July 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 98 - CPR1000314 for the sewer portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	25,000	25,000	-	-	50,000
Engineering	460,000	250,000	180,000	30,000	20,000	10,000	950,000
Construction	-	-	-	-	6,100,000	-	6,100,000
Equipment	-	-	-	-	-	-	-
Personnel	50,000	40,000	30,000	30,000	15,000	5,000	170,000
Other	-	-	-	-	-	-	-
Total	510,000	290,000	235,000	85,000	6,135,000	15,000	7,270,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							40,000
<i>FY2022 Estimate</i>							45,000
Total							7,355,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	510,000	290,000	235,000	85,000	35,000	15,000	1,170,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	6,100,000	-	6,100,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	510,000	290,000	235,000	85,000	6,135,000	15,000	7,270,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:

High
Med
Low

WS 37

WATER RESOURCES

PROJECT TITLE
NCDOT U-5101(A) Shaw Rd to Stacey Weaver Dr Widening - Water

ACTIVITY
331000

CATEGORY
Water Distribution System

DIVISION
WATER RESOURCES

PRIORITY	TYPE PROJECT
Score	Replacement X
High	Expansion X
Medium	New X
Low	Renovation

BID DATE 11/16/2027

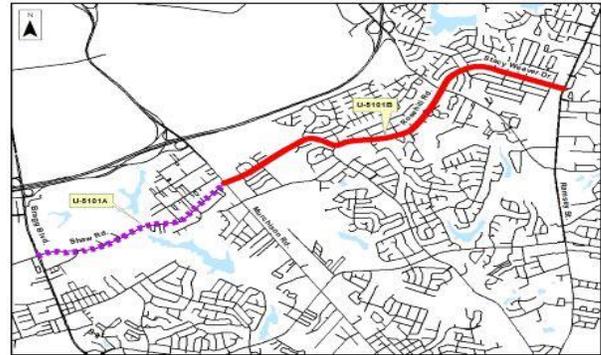
START CONSTRUCTION DATE 1/15/2028

EXPECTED COMPLETION DATE 5/30/2029

BUDGET CODE
CPR1000307

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT divided the project into Phase A and Phase B. NCDOT's Phase A will widen Shaw Rd. from Bragg Blvd. to Murchison Rd. and continue east into Phase B to widen Shaw Mill Rd., Rosehill Rd. and Stacey Weaver Dr. ending at Ramsey St. The 16" 8" and 6" water mains and 8" gravity sewer main in the corridor may conflict with NCDOT's facilities and require relocation. Hydraulic modeling and assessment of water mains in both phases will confirm sizing and inform design alternatives for Phase A as well as target to strengthen PWC's water system at the west end of Phase B. NCDOT plans to go to ROW in FY25 and to begin construction in FY28. See WS 99 - CPR1000315 for the sewer portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	25,000	-	-	-	-	25,000
Engineering	-	290,000	175,000	130,000	45,000	160,000	800,000
Construction	-	-	-	-	-	2,600,000	2,600,000
Equipment	-	-	-	-	-	-	-
Personnel	-	30,000	15,000	10,000	10,000	5,000	70,000
Other	-	10,000	10,000	10,000	-	-	30,000
Total	-	355,000	200,000	150,000	55,000	2,765,000	3,525,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							3,000
Total							3,528,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	355,000	200,000	150,000	55,000	165,000	925,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	2,600,000	2,600,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	355,000	200,000	150,000	55,000	2,765,000	3,525,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score: High Med Low
WS 38

WATER RESOURCES

PROJECT TITLE

NCDOT U-5798 A - Gillis Hill Rd Widening - Water

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

3/15/2022

START CONSTRUCTION DATE

5/15/2022

EXPECTED COMPLETION DATE

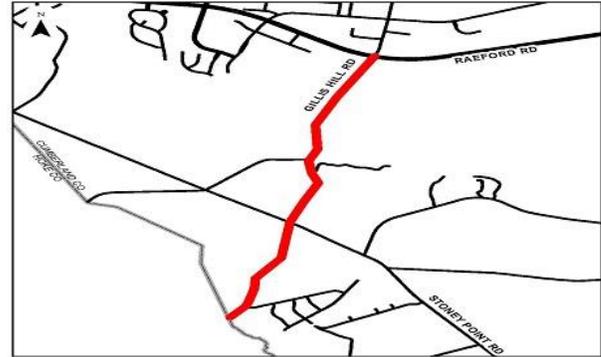
5/15/2025

BUDGET CODE

CPR1000308

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Gillis Hill Rd. from US HWY 401 Raeford Rd. to south of Celtic Dr. in Hoke County as two phases. Phase A extends 7000 LF from Raeford Rd. south to Stoney Point Rd. and includes replacement of the bridge over Little Rockfish Creek. Phase B extends 3500 LF from Stoney Point Rd. to south of Celtic Dr. Utilities in Phase A conflict with NCDOT's proposed facilities which will require relocation of the 16" water main (5000 LF) serving the Hoke County Water Booster Pump Station and the 8" gravity sewer main (1500 LF). A new parallel 8" water main (2600 LF) will be installed on the east side of Gillis Hill Rd. The scheduled let date is March 2022 with construction to begin in FY2022. It is anticipated that NCDOT will bill PWC for work upon completion of the project. See WS 100 - CPR1000316 for the sewer portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	30,000	30,000	30,000	-	-	-	90,000
Construction	-	-	3,000,000	-	-	-	3,000,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	10,000	10,000	-	-	-	30,000
Other	-	-	-	-	-	-	-
Total	40,000	40,000	3,040,000	-	-	-	3,120,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							100,000
<i>FY2022 Estimate</i>							88,000
Total							3,308,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	40,000	40,000	40,000	-	-	-	120,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	3,000,000	-	-	-	3,000,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	40,000	40,000	3,040,000	-	-	-	3,120,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 39

WATER RESOURCES

PROJECT TITLE

NCDOT U-5798 B - Gillis Hill Road Widening - Water

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

2/18/2025

START CONSTRUCTION DATE

5/18/2025

EXPECTED COMPLETION DATE

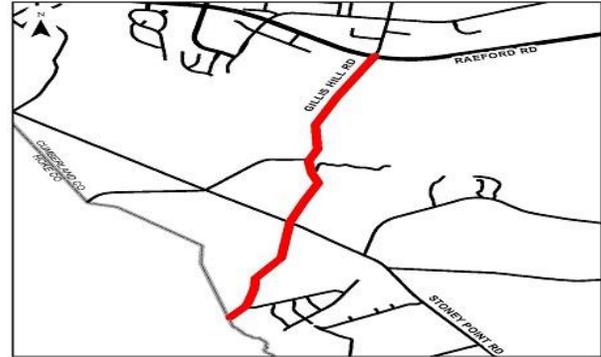
5/18/2028

BUDGET CODE

CPR1000478

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Gillis Hill Rd. from US HWY 401 Raeford Rd. to south of Celtic Dr. in Hoke County in two phases. Phase A 7000LF extends from Raeford Rd. south to Stoney Point Rd. Phase B extends 3500LF from Stoney Point Rd. to south of Celtic Dr. In Phase B the 16" water main (4500 LF) and the 8" water main (120 LF) are in conflict with the NCDOT proposed facilities and will need to be relocated. The 16" main serves the Hoke County Water Booster Pump Station. The scheduled let date is February 2025 and construction will begin in FY2025. It is anticipated that NCDOT will bill PWC for the utility work upon completion of this project. There is currently no PWC sewer in this second phase corridor.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	150,000	110,000	80,000	30,000	30,000	30,000	430,000
Construction	-	-	-	-	-	1,950,000	1,950,000
Equipment	-	-	-	-	-	-	-
Personnel	20,000	20,000	10,000	10,000	10,000	10,000	80,000
Other	-	-	-	-	-	-	-
Total	170,000	130,000	90,000	40,000	40,000	1,990,000	2,460,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							7,000
Total							2,467,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	170,000	130,000	90,000	40,000	40,000	40,000	510,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	1,950,000	1,950,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	170,000	130,000	90,000	40,000	40,000	1,990,000	2,460,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:



WS 40

WATER RESOURCES

PROJECT TITLE

NCDOT U-3422 Camden Rd Widening - Water

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

10/17/2023

START CONSTRUCTION DATE

12/17/2023

EXPECTED COMPLETION DATE

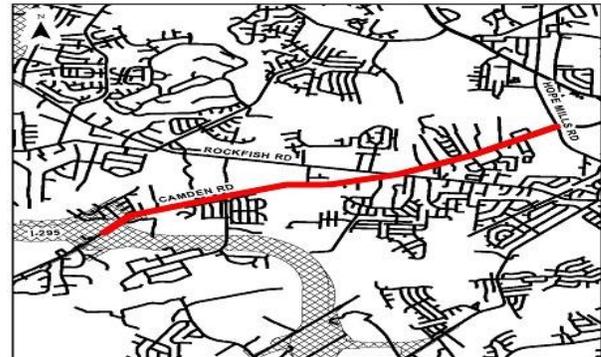
1/15/2027

BUDGET CODE

CPR1000309

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Camden Rd. from NC 59 to the new I-295 Fayetteville Outer Loop. The project also widens Rockfish Rd. 600 LF to the north and 2,000 LF south of Camden Rd. All the 8" and 16" water mains must be relocated since they will be in conflict with NCDOT's proposed facilities. The 12-inch water main must be replaced as it is asbestos-cement (AC) pipe. In total, 42,000 LF of parallel water mains will be installed on both sides of Camden Rd. Construction will begin in FY23 with these utility improvements included in the NCDOT construction contract. It is anticipated that NCDOT will bill PWC for the utility work upon completion of the project. See WS 101 - CPR1000317 for the sewer portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	330,000	70,000	70,000	70,000	70,000	-	610,000
Construction	-	-	7,900,000	-	-	-	7,900,000
Equipment	-	-	-	-	-	-	-
Personnel	40,000	25,000	25,000	20,000	20,000	-	130,000
Other	-	-	-	-	-	-	-
Total	370,000	95,000	7,995,000	90,000	90,000	-	8,640,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							206,000
<i>FY2022 Estimate</i>							486,000
Total							9,332,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	370,000	95,000	95,000	90,000	90,000	-	740,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	7,900,000	-	-	-	7,900,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	370,000	95,000	7,995,000	90,000	90,000	-	8,640,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:

High
Med
Low

WS 41

WATER RESOURCES

PROJECT TITLE

NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - Water

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	X
Renovation	

BID DATE

11/15/2022

START CONSTRUCTION DATE

1/17/2023

EXPECTED COMPLETION DATE

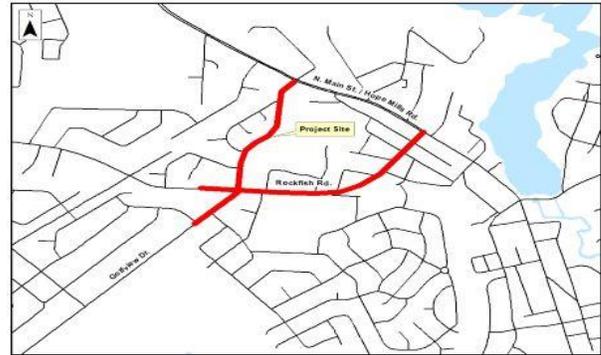
1/31/2026

BUDGET CODE

CPR1000399

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT will widen Rockfish Rd. between Golfview Dr. and NC 59 to four (4) lanes and make improvements to Golfview Dr. between NC 59 and Rockfish Rd. The project will relocate approximately 11,000 LF of existing 6", 8" and 12" water mains that are in conflict with the NCDOT proposed facilities. The existing 12" water main must be replaced as it is asbestos-cement (AC) pipe. In addition, parallel mains will be installed along Rockfish Rd. Construction is anticipated to begin in FY23 and be completed in FY26. A Utility Agreement with NCDOT will be finalized in FY22. Billing is expected upon completion of all road work and is anticipated to be made in one final payment. See WS 102 - CPR1000398 for the sewer portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	40,000	50,000	30,000	20,000	-	-	140,000
Construction	-	2,700,000	-	-	-	-	2,700,000
Equipment	-	-	-	-	-	-	-
Personnel	20,000	20,000	20,000	10,000	-	-	70,000
Other	-	-	-	-	-	-	-
Total	60,000	2,770,000	50,000	30,000	-	-	2,910,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							68,000
<i>FY2022 Estimate</i>							56,000
Total							3,034,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	60,000	70,000	50,000	30,000	-	-	210,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	2,700,000	-	-	-	-	2,700,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	60,000	2,770,000	50,000	30,000	-	-	2,910,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 42

WATER RESOURCES

PROJECT TITLE

NCDOT U-4403(B) Ramsey Street Widening - Water

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

12/19/2028

START CONSTRUCTION DATE

2/15/2029

EXPECTED COMPLETION DATE

2/15/2031

BUDGET CODE

CPR1000293

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 103 - CPR1000312 for the sewer portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	100,000	500,000	600,000
Engineering	-	320,000	260,000	160,000	220,000	650,000	1,610,000
Construction	-	-	-	-	-	8,400,000	8,400,000
Equipment	-	-	-	-	-	-	-
Personnel	-	40,000	40,000	20,000	20,000	40,000	160,000
Other	-	-	-	-	-	-	-
Total	-	360,000	300,000	180,000	340,000	9,590,000	10,770,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							47,000
<i>FY2022 Estimate</i>							12,000
Total							10,829,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	360,000	300,000	180,000	340,000	1,190,000	2,370,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	8,400,000	8,400,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	360,000	300,000	180,000	340,000	9,590,000	10,770,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 43

WATER RESOURCES

PROJECT TITLE

Land and Land Rights - Sewer

ACTIVITY

310000

CATEGORY

Land and Land Rights

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement
Expansion
New
Renovation

TYPE PROJECT

Replacement
Expansion
New
Renovation

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000124

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							10,000
<i>FY2022 Estimate</i>							20,000
Total							230,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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
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WS 44

WATER RESOURCES

PROJECT TITLE

New Sewer Service Laterals and Sewer Main Extensions

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	X
Renovation	

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000125

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	63,000	66,000	69,000	72,000	76,000	380,000	726,000
Construction	273,000	287,000	301,000	316,000	332,000	1,660,000	3,169,000
Equipment	63,000	66,000	69,000	72,000	76,000	380,000	726,000
Personnel	105,000	110,000	116,000	122,000	128,000	640,000	1,221,000
Other	-	-	-	-	-	-	-
Total	504,000	529,000	555,000	582,000	612,000	3,060,000	5,842,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							395,000
<i>FY2022 Estimate</i>							514,000
Total							6,751,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	504,000	529,000	555,000	582,000	612,000	3,060,000	5,842,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	504,000	529,000	555,000	582,000	612,000	3,060,000	5,842,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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 45

WATER RESOURCES

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

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	410,000	420,000	430,000	440,000	451,000	2,255,000	4,406,000
Personnel	359,000	368,000	377,000	386,000	396,000	1,980,000	3,866,000
Other	-	-	-	-	-	-	-
Total	769,000	788,000	807,000	826,000	847,000	4,235,000	8,272,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							793,000
<i>FY2022 Estimate</i>							763,000
Total							9,828,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	769,000	788,000	807,000	826,000	847,000	4,235,000	8,272,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	769,000	788,000	807,000	826,000	847,000	4,235,000	8,272,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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 46

WATER RESOURCES

PROJECT TITLE

Sanitary Sewer Manhole Rehabilitation

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	1,940,000	1,940,000	2,040,000	2,130,000	2,230,000	12,650,000	22,930,000
Equipment	-	-	-	-	-	-	-
Personnel	60,000	60,000	60,000	70,000	70,000	350,000	670,000
Other	-	-	-	-	-	-	-
Total	2,000,000	2,000,000	2,100,000	2,200,000	2,300,000	13,000,000	23,600,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							2,254,000
<i>FY2022 Estimate</i>							1,041,000
Total							26,895,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	2,000,000	2,000,000	2,100,000	2,200,000	2,300,000	13,000,000	23,600,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	2,000,000	2,000,000	2,100,000	2,200,000	2,300,000	13,000,000	23,600,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:

High
Med
Low

WS 47

WATER RESOURCES

PROJECT TITLE

Sanitary Sewer Main Rehabilitation

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	4,500,000	4,750,000	4,750,000	5,500,000	5,500,000	31,250,000	56,250,000
Equipment	-	-	-	-	-	-	-
Personnel	220,000	220,000	220,000	220,000	220,000	1,100,000	2,200,000
Other	280,000	530,000	530,000	1,280,000	1,280,000	10,150,000	14,050,000
Total	5,000,000	5,500,000	5,500,000	7,000,000	7,000,000	42,500,000	72,500,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							5,535,000
<i>FY2022 Estimate</i>							5,446,000
Total							83,481,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	5,000,000	5,500,000	5,500,000	7,000,000	7,000,000	42,500,000	72,500,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	5,000,000	5,500,000	5,500,000	7,000,000	7,000,000	42,500,000	72,500,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:

High
Med
Low

WS 48

WATER RESOURCES

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

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							1,487,000
<i>FY2022 Estimate</i>							749,000
Total							7,116,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score: High Med Low
WS 49

WATER RESOURCES

PROJECT TITLE

Lift Station Electrical Upgrades

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	_____
Expansion	_____
New	_____
Renovation	_____ X

BID DATE

10/15/2027

START CONSTRUCTION DATE

2/15/2028

EXPECTED COMPLETION DATE

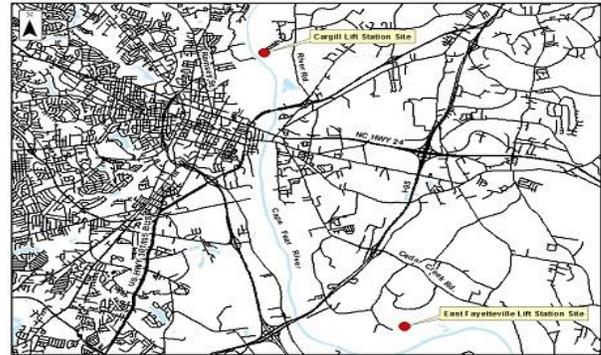
6/30/2030

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	100,000	275,000	-	-	850,000	1,225,000
Construction	-	-	-	-	-	5,000,000	5,000,000
Equipment	-	-	-	-	-	-	-
Personnel	-	10,000	20,000	-	-	140,000	170,000
Other	-	-	-	-	-	-	-
Total	-	110,000	295,000	-	-	5,990,000	6,395,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							6,395,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	110,000	295,000	-	-	5,990,000	6,395,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	110,000	295,000	-	-	5,990,000	6,395,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 50

WATER RESOURCES

PROJECT TITLE

North Fayetteville Lift Station Upgrades - Phase 3

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	X
Renovation	

BID DATE

3/15/2027

START CONSTRUCTION DATE

9/15/2027

EXPECTED COMPLETION DATE

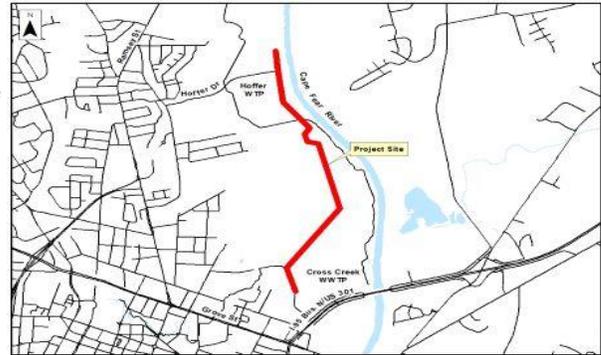
12/30/2029

BUDGET CODE

CPR1000506

PROJECT DESCRIPTION & JUSTIFICATION

This project will extend approximately 12,000 LF of 42-inch outfall from the Cross Creek WRF to the discharge point of the North Fayetteville Force Main near the Hoffer WTF. This outfall is necessary to convey the ultimate design flow from the North Fayetteville Lift Station. PWC recently completed the installation of a new 24-inch force main from the lift station, and also completed upgrades at the lift station. The upgrades included the installation of two (2) additional pumps, to increase the capacity of the lift station to 9 MGD. The existing 30-inch outfall that the force mains currently discharge to does not have this capacity. Installation of this outfall will allow the lift station to run at full capacity, and will also eliminate the Neville Street Lift Station.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	50,000	100,000	50,000	200,000
Engineering	-	-	200,000	800,000	800,000	900,000	2,700,000
Construction	-	-	-	-	-	15,000,000	15,000,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	10,000	15,000	15,000	45,000	85,000
Other	-	-	-	-	-	-	-
Total	-	-	210,000	865,000	915,000	15,995,000	17,985,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							17,985,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	210,000	865,000	915,000	15,995,000	17,985,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	210,000	865,000	915,000	15,995,000	17,985,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 51

WATER RESOURCES

PROJECT TITLE

North Fayetteville Lift Station Upgrades - Phase 4

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	X
New	
Renovation	

BID DATE

3/15/2025

START CONSTRUCTION DATE

7/15/2025

EXPECTED COMPLETION DATE

7/15/2026

BUDGET CODE

CPR1000426

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 and be complete in FY2026. 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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	150,000	-	-	-	-	-	150,000
Construction	-	-	-	3,000,000	-	-	3,000,000
Equipment	-	-	-	-	-	-	-
Personnel	15,000	-	-	15,000	-	-	30,000
Other	-	-	-	-	-	-	-
Total	165,000	-	-	3,015,000	-	-	3,180,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							157,000
<i>FY2022 Estimate</i>							35,000
Total							3,372,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	165,000	-	-	3,015,000	-	-	3,180,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	165,000	-	-	3,015,000	-	-	3,180,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 52

WATER RESOURCES

PROJECT TITLE

Longview Lift Station and Force Main Upgrade

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

BID DATE

2/1/2022

START CONSTRUCTION DATE

4/15/2022

EXPECTED COMPLETION DATE

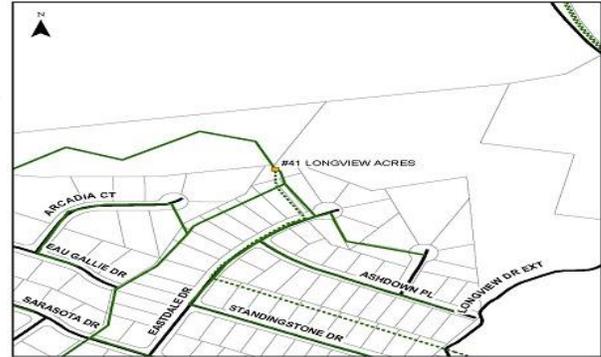
1/10/2023

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 (calendar year). 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 FY21 and FY22. Construction will begin in FY22 and wrap up in FY23.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	15,000	-	-	-	-	-	15,000
Construction	1,100,000	-	-	-	-	-	1,100,000
Equipment	-	-	-	-	-	-	-
Personnel	20,000	-	-	-	-	-	20,000
Other	-	-	-	-	-	-	-
Total	1,135,000	-	-	-	-	-	1,135,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							21,000
<i>FY2022 Estimate</i>							121,000
Total							1,277,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	1,135,000	-	-	-	-	-	1,135,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	1,135,000	-	-	-	-	-	1,135,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(163,000)	(163,000)	(163,000)	(163,000)	(815,000)	-	(1,467,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(163,000)	(163,000)	(163,000)	(163,000)	(815,000)	-	(1,467,000)

*Priority Score:



WS 53

WATER RESOURCES

PROJECT TITLE

King Street Lift Station Replacement

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

10/15/2030

START CONSTRUCTION DATE

3/15/2031

EXPECTED COMPLETION DATE

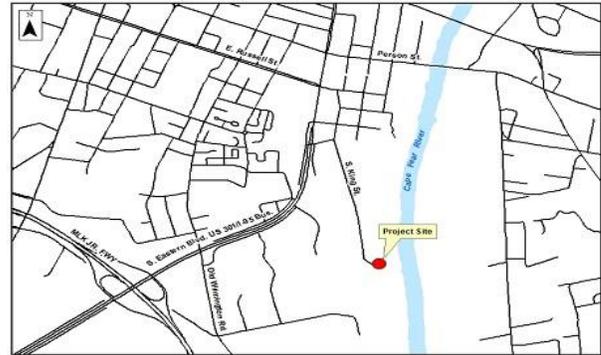
6/30/2032

BUDGET CODE

CPR1000490

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 FY2029, with design beginning in FY2030. Construction is anticipated to be completed in FY2032.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	450,000	450,000
Construction	-	-	-	-	-	2,000,000	2,000,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	70,000	70,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,520,000	2,520,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							2,520,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	2,520,000	2,520,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,520,000	2,520,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 54

WATER RESOURCES

PROJECT TITLE

Replace Lift Station #72 - Cypress Lakes #1

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

11/17/2022

START CONSTRUCTION DATE

2/15/2023

EXPECTED COMPLETION DATE

10/13/2023

BUDGET CODE

CPR1000498

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	25,000	-	-	-	-	-	25,000
Engineering	150,000	40,000	-	-	-	-	190,000
Construction	400,000	575,000	-	-	-	-	975,000
Equipment	-	-	-	-	-	-	-
Personnel	18,000	18,000	-	-	-	-	36,000
Other	-	-	-	-	-	-	-
Total	593,000	633,000	-	-	-	-	1,226,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							75,000
Total							1,301,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	593,000	633,000	-	-	-	-	1,226,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	593,000	633,000	-	-	-	-	1,226,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:



WS 55

WATER RESOURCES

PROJECT TITLE

Line 54" Outfall - Research Drive to I-95

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

BID DATE

4/1/2022

START CONSTRUCTION DATE

9/15/2023

EXPECTED COMPLETION DATE

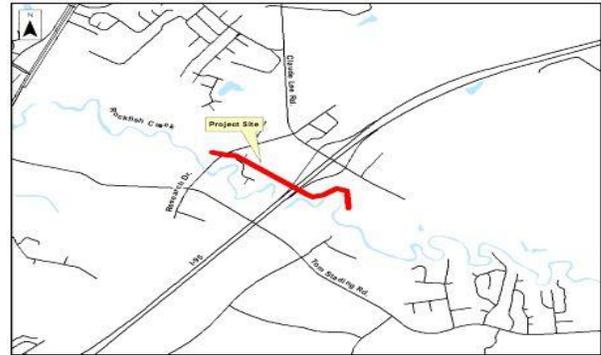
6/30/2026

BUDGET CODE

CPR1000194

PROJECT DESCRIPTION & JUSTIFICATION

This project will line approximately 4,000 LF of 54-inch concrete outfall from Research Dr. to I-95 and is the second of several along this outfall from US 301 to the Rockfish Creek WRF. CCTV inspections indicate this section has hydrogen sulfide damage with areas of exposed rebar. Future lining to the east of I-95 is not accessible due to 1,800 LF of deteriorated maintenance road that runs over the outfall. A 200 LF section is within very unstable earth embankment. Failure of this outfall would result in significant construction, environmental and social costs. In FY25, two sewer bypass bores will be installed under Research Dr. and I-95, the road will be improved, and the embankment shored/stabilized. The sewer rehabilitation lining is scheduled for FY26.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	70,000	-	-	-	-	-	70,000
Engineering	460,000	350,000	120,000	160,000	-	-	1,090,000
Construction	-	2,400,000	1,100,000	2,700,000	-	-	6,200,000
Equipment	-	-	-	-	-	-	-
Personnel	40,000	40,000	40,000	40,000	-	-	160,000
Other	5,000	5,000	5,000	5,000	-	-	20,000
Total	575,000	2,795,000	1,265,000	2,905,000	-	-	7,540,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							125,000
<i>FY2022 Estimate</i>							34,000
Total							7,699,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	575,000	2,795,000	1,265,000	2,905,000	-	-	7,540,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	575,000	2,795,000	1,265,000	2,905,000	-	-	7,540,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:

High Med Low

WS 56

WATER RESOURCES

PROJECT TITLE

Rockfish Creek Basin Peak Flow Facilities

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	X
Renovation	

BID DATE

9/15/2020

START CONSTRUCTION DATE

1/15/2021

EXPECTED COMPLETION DATE

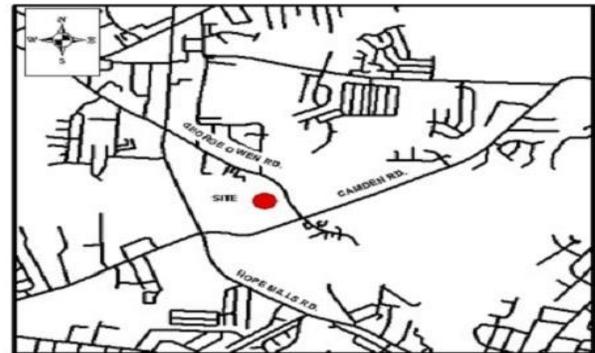
5/16/2023

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. Phase 1 of engineering completed in FY11 confirmed the location of collection system bottlenecks. Phase 2 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 Rd. and west of George Owen Rd. 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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	34,000	-	-	-	-	-	34,000
Construction	-	-	-	-	-	-	-
Equipment	-	-	-	-	-	-	-
Personnel	5,000	-	-	-	-	-	5,000
Other	-	-	-	-	-	-	-
Total	39,000	-	-	-	-	-	39,000
Pre-FY2022 Exp (Rolling 3 Yr Avg)							3,736,000
FY2022 Estimate							2,614,000
Total							6,389,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	5,000	-	-	-	-	-	5,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	34,000	-	-	-	-	-	34,000
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	39,000	-	-	-	-	-	39,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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:



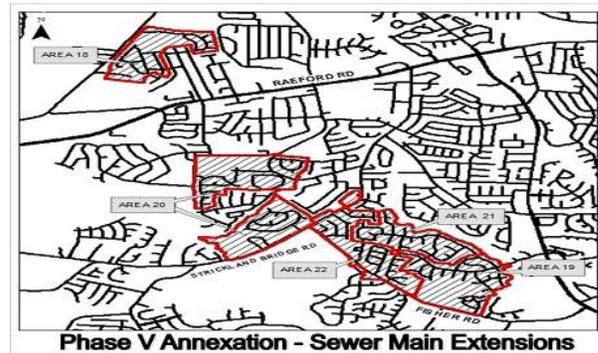
WS 57

WATER RESOURCES

PROJECT TITLE Phase V Annexation	ACTIVITY 341500	CATEGORY Sanitary Sewer Collection
DIVISION WATER RESOURCES	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 6/1/2009		X
START CONSTRUCTION DATE 11/12/2009		X
EXPECTED COMPLETION DATE 12/31/2030	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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	344,000	413,000	1,525,000	1,122,000	889,000	475,000	4,768,000
Engineering	3,077,000	2,441,000	2,623,000	2,953,000	2,279,000	3,392,000	16,765,000
Construction	13,221,000	18,225,000	24,699,000	29,837,000	16,903,000	51,952,000	154,837,000
Equipment	-	-	-	-	-	-	-
Personnel	245,000	315,000	416,000	452,000	277,000	920,000	2,625,000
Other	44,000	59,000	85,000	132,000	112,000	247,000	679,000
Total	16,931,000	21,453,000	29,348,000	34,496,000	20,460,000	56,986,000	179,674,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							102,185,000
<i>FY2022 Estimate</i>							2,363,000
Total							284,222,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	16,931,000	21,453,000	29,348,000	34,496,000	20,460,000	56,986,000	179,674,000
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	16,931,000	21,453,000	29,348,000	34,496,000	20,460,000	56,986,000	179,674,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	2,307,000	2,413,000	2,614,000	3,017,000	3,307,000	19,891,000	33,549,000
Capital Outlays	-	-	-	-	-	-	-
New Revenue	(1,699,000)	(1,824,000)	(2,016,000)	(2,308,000)	(2,450,000)	(13,355,000)	(23,652,000)
Total	608,000	589,000	598,000	709,000	857,000	6,536,000	9,897,000

*Priority Score: High Med Low
WS 58

WATER RESOURCES

PROJECT TITLE Hurricane Matthew Repair of Sewer Mains	ACTIVITY 341500	CATEGORY Sanitary Sewer Collection
DIVISION WATER RESOURCES	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 2/15/2022		
START CONSTRUCTION DATE 6/15/2022		
EXPECTED COMPLETION DATE 10/15/2022	BUDGET CODE CPR1000332	

PROJECT DESCRIPTION & JUSTIFICATION

Hurricane Matthew damaged multiple PWC sewer mains causing the need for them to be replaced. These damages occurred at washouts on various NCDOT and CoF roads and culverts as well as multiple aerial crossing locations. Known areas include Ann Street and Devonwood Lower Dam. These projects are to be submitted to FEMA for partial reimbursements. In FY22 and FY23 the sewer aerial crossing between Ann St and Green St. is being replaced to include 95 LF of 16-inch steel sanitary sewer main (3) new manholes and (2) new aerial pipe supports.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	10,000	-	-	-	-	-	10,000
Construction	570,000	-	-	-	-	-	570,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	-	-	-	-	-	10,000
Other	-	-	-	-	-	-	-
Total	590,000	-	-	-	-	-	590,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							4,837,000
<i>FY2022 Estimate</i>							22,000
Total							5,449,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	590,000	-	-	-	-	-	590,000
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	590,000	-	-	-	-	-	590,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score: High Med Low
WS 59

WATER RESOURCES

PROJECT TITLE

Replacement of the Shadowlawn Aerial Sewer Crossing

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	X
Renovation	

BID DATE

3/15/2022

START CONSTRUCTION DATE

6/15/2022

EXPECTED COMPLETION DATE

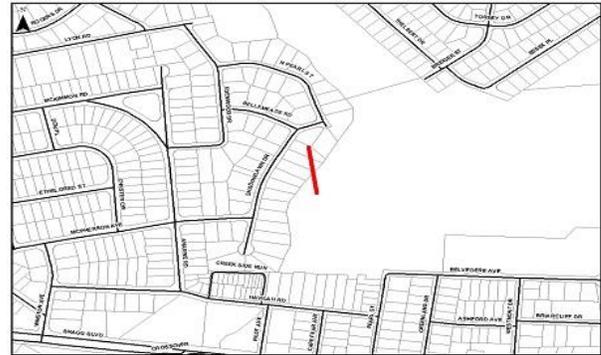
1/15/2023

BUDGET CODE

CPR1000438

PROJECT DESCRIPTION & JUSTIFICATION

This project will replace the existing 8-inch and 16-inch cast iron aerial sewer crossings off Shadowlawn Dr. 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 constructed in 1952 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 also needs replacement in order to meet PWC's current standards and is not eligible for FEMA reimbursement.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	81,000	-	-	-	-	-	81,000
Construction	1,200,000	-	-	-	-	-	1,200,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	-	-	-	-	-	10,000
Other	-	-	-	-	-	-	-
Total	1,291,000	-	-	-	-	-	1,291,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							176,000
<i>FY2022 Estimate</i>							98,000
Total							1,565,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	1,291,000	-	-	-	-	-	1,291,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	1,291,000	-	-	-	-	-	1,291,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:

High
Med
Low

WS 60

WATER RESOURCES

PROJECT TITLE

East Cole Street Sewer Aerial Crossing Replacement

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

5/15/2026

START CONSTRUCTION DATE

9/15/2026

EXPECTED COMPLETION DATE

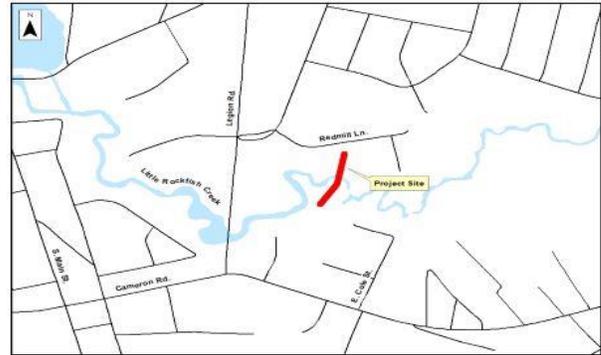
3/15/2027

BUDGET CODE

CPR1000510

PROJECT DESCRIPTION & JUSTIFICATION

This project is to replace the 16" diameter steel sewer aerial crossing between Red Mill Ln. and E. Cole St. in Hope Mills. The supporting structures will be replaced as well. The replacement is necessary due to significantly corroded strap anchor bolts, saddles, dresser couplings, bents, etc. The creek bank has eroded and the creek bed is significantly lower than original drawings indicate, meaning the embedment depths are unknown and pile capacities effected. Exterior pipe coating has degraded. Spot corrosion and localized pitting exists over a 390 LF span of the aerial crossing with the thinnest spot located over the creek in the most critical span of the pipe.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	30,000	20,000	-	-	50,000
Construction	-	-	-	-	600,000	-	600,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	10,000	5,000	5,000	-	20,000
Other	-	-	-	-	-	-	-
Total	-	-	40,000	25,000	605,000	-	670,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							670,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	40,000	25,000	605,000	-	670,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	40,000	25,000	605,000	-	670,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 61

WATER RESOURCES

PROJECT TITLE

Lamon Street Aerial Sewer Replacement

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

12/1/2024

START CONSTRUCTION DATE

3/1/2025

EXPECTED COMPLETION DATE

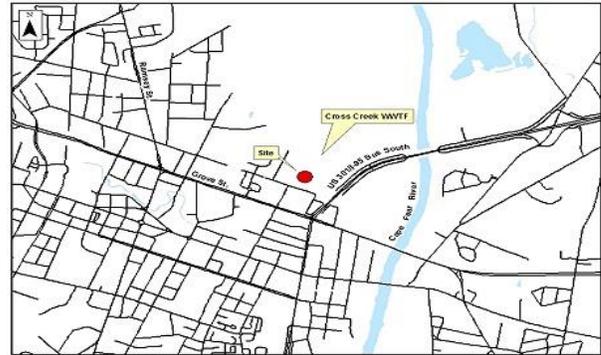
6/30/2026

BUDGET CODE

CPR1000443

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 to begin in FY2024 and construction is expected to be completed in FY2026



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	50,000	50,000	-	-	-	100,000
Engineering	-	300,000	200,000	150,000	-	-	650,000
Construction	-	-	200,000	2,800,000	-	-	3,000,000
Equipment	-	-	-	-	-	-	-
Personnel	-	30,000	20,000	20,000	-	-	70,000
Other	-	-	-	-	-	-	-
Total	-	380,000	470,000	2,970,000	-	-	3,820,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							3,820,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	380,000	470,000	2,970,000	-	-	3,820,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	380,000	470,000	2,970,000	-	-	3,820,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 62

WATER RESOURCES

PROJECT TITLE

McFadyen Lake Sewer Main Rehabilitation

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	X

BID DATE

12/1/2029

START CONSTRUCTION DATE

4/15/2030

EXPECTED COMPLETION DATE

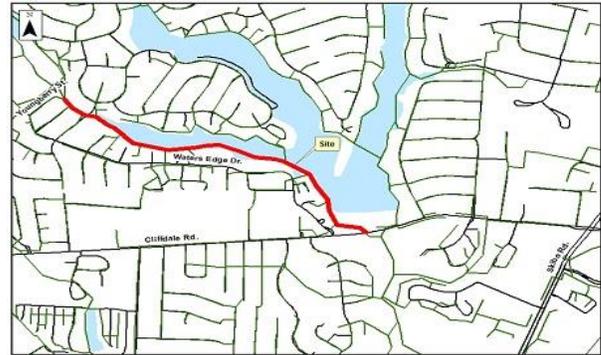
6/30/2031

BUDGET CODE

CPR1000446

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 2029 with construction starting in FY 2030.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	475,000	475,000
Construction	-	-	-	-	-	3,200,000	3,200,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	30,000	30,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	3,705,000	3,705,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							3,705,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	3,705,000	3,705,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	3,705,000	3,705,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 63

WATER RESOURCES

PROJECT TITLE

Murchison Road Sewer Improvements, (Jasper St. to Murchison Rd.)

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	X

BID DATE

12/15/2025

START CONSTRUCTION DATE

3/15/2026

EXPECTED COMPLETION DATE

3/15/2027

BUDGET CODE

CPR1000139

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	50,000	50,000	-	-	100,000
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	50,000	2,250,000	-	2,300,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	20,000	20,000	20,000	-	60,000
Other	-	-	-	-	-	-	-
Total	-	-	70,000	120,000	2,270,000	-	2,460,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							35,000
<i>FY2022 Estimate</i>							-
Total							2,495,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	70,000	120,000	2,270,000	-	2,460,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	70,000	120,000	2,270,000	-	2,460,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 64

WATER RESOURCES

PROJECT TITLE

Russell St Sewer Main Replacement

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

4/15/2015

START CONSTRUCTION DATE

9/12/2016

EXPECTED COMPLETION DATE

10/31/2022

BUDGET CODE

CPR1000440

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to resurface Russell Street from Eastern Blvd to Gillespie Street. The sewer main between Cross Creek Street and Dick Street is in need of replacement. The sewer main has several defects and areas of reverse grade. These defects have contributed to sanitary sewer overflows in the past few years. This project is anticipated to be completed as part of the Russell Street Water Main Replacement project which is currently underway (WS 13-CPR1000236).



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	350,000	-	-	-	-	-	350,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	-	-	-	-	-	10,000
Other	-	-	-	-	-	-	-
Total	360,000	-	-	-	-	-	360,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							18,000
<i>FY2022 Estimate</i>							151,000
Total							529,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	360,000	-	-	-	-	-	360,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	360,000	-	-	-	-	-	360,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:

High
Med
Low

WS 65

WATER RESOURCES

PROJECT TITLE

Branson Creek Interceptor Replacement, Phase I

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

12/15/2027

START CONSTRUCTION DATE

5/1/2028

EXPECTED COMPLETION DATE

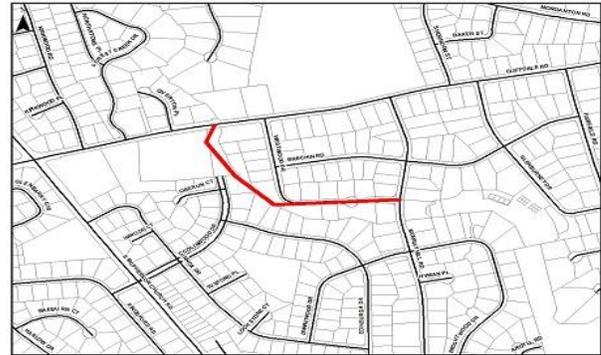
6/30/2029

BUDGET CODE

CPR1000393

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 FY2029.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	50,000	50,000	100,000
Engineering	-	-	-	30,000	150,000	50,000	230,000
Construction	-	-	-	-	-	1,100,000	1,100,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	5,000	20,000	40,000	65,000
Other	-	-	-	-	-	-	-
Total	-	-	-	35,000	220,000	1,240,000	1,495,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							1,495,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	35,000	220,000	1,240,000	1,495,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	35,000	220,000	1,240,000	1,495,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 66

WATER RESOURCES

PROJECT TITLE

Branson Creek Interceptor Replacement, Phase II

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

12/15/2028

START CONSTRUCTION DATE

5/1/2029

EXPECTED COMPLETION DATE

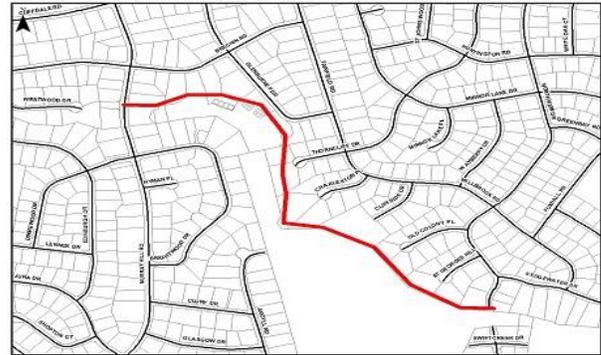
6/30/2030

BUDGET CODE

CPR1000394

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 FY2030.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	100,000	100,000
Engineering	-	-	-	-	50,000	400,000	450,000
Construction	-	-	-	-	-	2,100,000	2,100,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	10,000	60,000	70,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	60,000	2,660,000	2,720,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							2,720,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	60,000	2,660,000	2,720,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	60,000	2,660,000	2,720,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



WS 67

WATER RESOURCES

PROJECT TITLE

Replacement of the Cross Creek Outfall, Greensboro Street to Hillsboro Street

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	X
Renovation	

BID DATE

11/15/2025

START CONSTRUCTION DATE

4/15/2026

EXPECTED COMPLETION DATE

6/30/2027

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 Street was the most feasible option for PWC. Design is expected to be completed in FY2022 with construction starting in FY2026.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	50,000	80,000	-	130,000
Construction	-	-	-	1,000,000	4,500,000	-	5,500,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	20,000	30,000	-	50,000
Other	-	-	-	-	-	-	-
Total	-	-	-	1,070,000	4,610,000	-	5,680,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							147,000
<i>FY2022 Estimate</i>							128,000
Total							5,955,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	1,070,000	4,610,000	-	5,680,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	1,070,000	4,610,000	-	5,680,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 68

WATER RESOURCES

PROJECT TITLE

Line Beaver Creek Outfall, Phase II

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

BID DATE

12/15/2027

START CONSTRUCTION DATE

4/15/2028

EXPECTED COMPLETION DATE

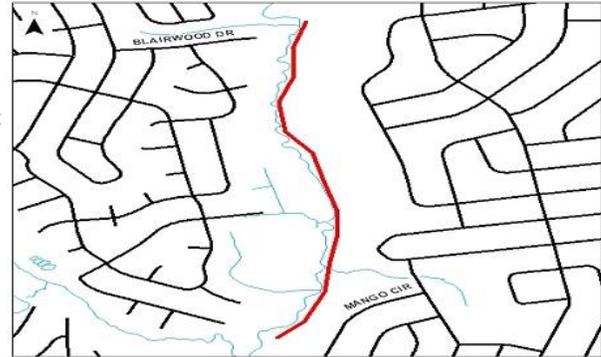
6/30/2029

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	3,000,000	3,000,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	40,000	40,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	3,040,000	3,040,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							3,040,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	3,040,000	3,040,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	3,040,000	3,040,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 69

WATER RESOURCES

PROJECT TITLE

Line the Beaver Creek Outfall, Phase III

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

BID DATE

11/1/2028

START CONSTRUCTION DATE

3/1/2029

EXPECTED COMPLETION DATE

12/1/2029

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	2,000,000	2,000,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	50,000	50,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,050,000	2,050,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							2,050,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	2,050,000	2,050,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,050,000	2,050,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 70

WATER RESOURCES

PROJECT TITLE

Line Beaver Creek Outfall, Phase IV

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

BID DATE

11/1/2029

START CONSTRUCTION DATE

3/1/2030

EXPECTED COMPLETION DATE

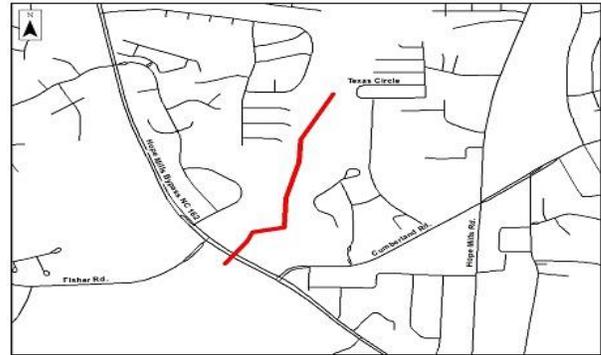
12/1/2030

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	2,300,000	2,300,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	50,000	50,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,350,000	2,350,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							2,350,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	2,350,000	2,350,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,350,000	2,350,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 71

WATER RESOURCES

PROJECT TITLE

Line Beaver Creek Outfall, Phase V

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

BID DATE

11/1/2030

START CONSTRUCTION DATE

3/1/2031

EXPECTED COMPLETION DATE

12/1/2031

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	2,300,000	2,300,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	50,000	50,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,350,000	2,350,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							2,350,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	2,350,000	2,350,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,350,000	2,350,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 72

WATER RESOURCES

PROJECT TITLE

Line Beaver Creek Outfall, Phase VI

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	X

BID DATE

11/1/2031

START CONSTRUCTION DATE

3/1/2032

EXPECTED COMPLETION DATE

12/1/2033

BUDGET CODE

CPR1000448

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 \$3,100,000.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	500,000	500,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	30,000	30,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	530,000	530,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							530,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	530,000	530,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	530,000	530,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 73

WATER RESOURCES

PROJECT TITLE

Line 54" Outfall - I-95 to Claude Lee Road

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

BID DATE

10/1/2025

START CONSTRUCTION DATE

3/1/2026

EXPECTED COMPLETION DATE

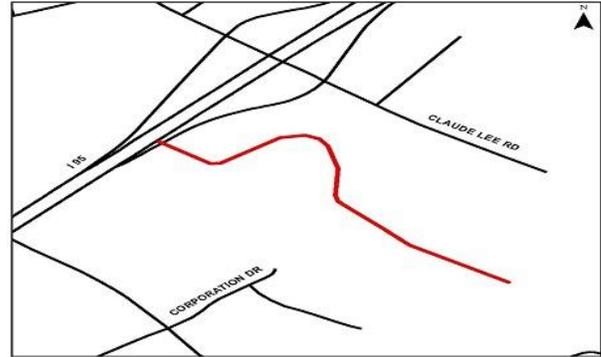
6/30/2027

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	20,000	20,000	-	-	40,000
Engineering	-	-	50,000	50,000	-	-	100,000
Construction	-	-	-	700,000	2,300,000	-	3,000,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	10,000	10,000	10,000	-	30,000
Other	-	-	-	-	-	-	-
Total	-	-	80,000	780,000	2,310,000	-	3,170,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							3,170,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	80,000	780,000	2,310,000	-	3,170,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	80,000	780,000	2,310,000	-	3,170,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 74

WATER RESOURCES

PROJECT TITLE

Line 54-Inch Outfall, Claude Lee Road to Pennystone Drive

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

BID DATE

3/15/2028

START CONSTRUCTION DATE

7/15/2028

EXPECTED COMPLETION DATE

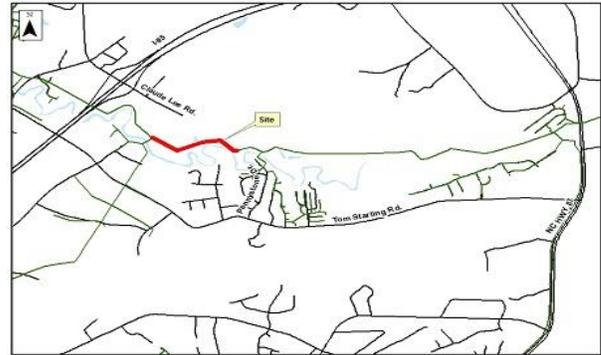
6/30/2029

BUDGET CODE

CPR1000449

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 fourth of several that will rehabilitate the 54-inch outfall from US 301 to the Rockfish Creek Water Reclamation Facility.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	20,000	20,000	40,000
Engineering	-	-	-	-	50,000	50,000	100,000
Construction	-	-	-	-	-	3,000,000	3,000,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	20,000	20,000	40,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	90,000	3,090,000	3,180,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							3,180,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	90,000	3,090,000	3,180,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	90,000	3,090,000	3,180,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 75

WATER RESOURCES

PROJECT TITLE

Line 54-Inch Outfall, Pennystone Drive to Laurelwood Place

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	X

BID DATE

10/1/2028

START CONSTRUCTION DATE

1/1/2029

EXPECTED COMPLETION DATE

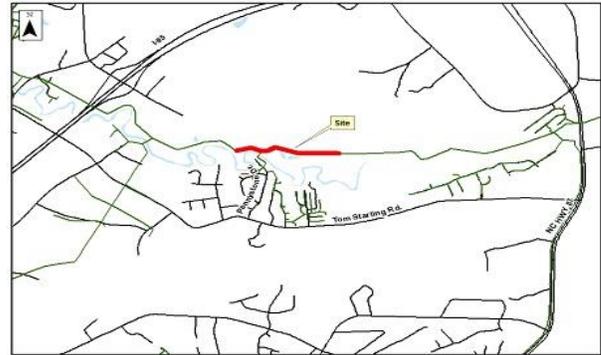
6/30/2030

BUDGET CODE

CPR1000450

PROJECT DESCRIPTION & JUSTIFICATION

This project would line approximately 2800 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 needs 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 fifth of several that will rehabilitate the 54-inch outfall from US 301 to the Rockfish Creek Water Reclamation Facility.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	40,000	40,000
Engineering	-	-	-	-	-	100,000	100,000
Construction	-	-	-	-	-	3,000,000	3,000,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	30,000	30,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	3,170,000	3,170,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							3,170,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	3,170,000	3,170,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	3,170,000	3,170,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 76

WATER RESOURCES

PROJECT TITLE

Sandy Run Outfall

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score

High

Medium

Low

TYPE PROJECT

Replacement

Expansion

New

Renovation

BID DATE

10/15/2029

START CONSTRUCTION DATE

4/15/2030

EXPECTED COMPLETION DATE

6/30/2032

BUDGET CODE

CPR1000505

PROJECT DESCRIPTION & JUSTIFICATION

This project will extend approximately 26,000 LF of 24-inch outfall from the Rockfish Creek Outfall to serve the area in the vicinity of the Fayetteville Airport. This area has been identified as a potential area of economic development. Additionally, construction of this outfall will eliminate three (3) existing lift stations (Golden Creek, Sandy Run, Black and Decker).



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	75,000	225,000	300,000
Engineering	-	-	-	100,000	600,000	1,300,000	2,000,000
Construction	-	-	-	-	-	10,000,000	10,000,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	5,000	15,000	60,000	80,000
Other	-	-	-	-	-	-	-
Total	-	-	-	105,000	690,000	11,585,000	12,380,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							12,380,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	105,000	690,000	11,585,000	12,380,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	105,000	690,000	11,585,000	12,380,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 77

WATER RESOURCES

PROJECT TITLE

Big Rockfish Sanitary Sewer Outfall

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	X
New	
Renovation	

BID DATE

12/17/2020

START CONSTRUCTION DATE

6/14/2021

EXPECTED COMPLETION DATE

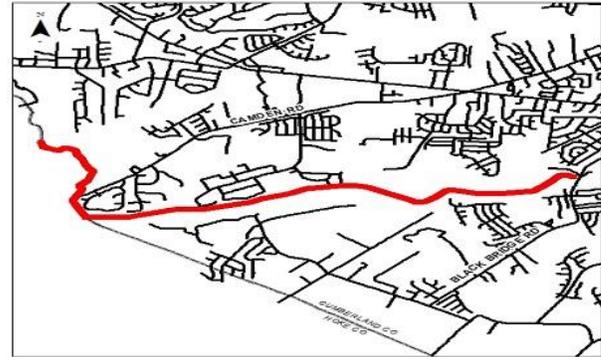
10/30/2026

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). Contract I was initiated in FY22 and will be completed in FY23. Contract II and Contract IV are anticipated to bid in FY22. Contract III will be bid in FY24 at the completion of Contract II.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	471,000	100,000	447,000	50,000	-	-	1,068,000
Construction	9,930,000	5,691,000	1,942,000	1,295,000	-	-	18,858,000
Equipment	-	-	-	-	-	-	-
Personnel	100,000	74,000	83,000	49,000	-	-	306,000
Other	24,000	11,000	11,000	2,000	-	-	48,000
Total	10,525,000	5,876,000	2,483,000	1,396,000	-	-	20,280,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							3,755,000
<i>FY2022 Estimate</i>							2,811,000
Total							26,846,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	100,000	74,000	83,000	49,000	-	-	306,000
Bonds	-	-	1,175,000	1,347,000	-	-	2,522,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	10,425,000	5,802,000	1,225,000	-	-	-	17,452,000
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	10,525,000	5,876,000	2,483,000	1,396,000	-	-	20,280,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:

High
Med
Low

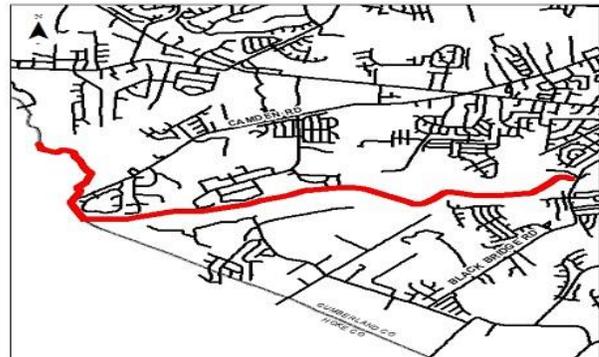
WS 78

WATER RESOURCES

PROJECT TITLE Big Rockfish Sanitary Sewer Outfall - Lift Station Eliminations	ACTIVITY 341500	CATEGORY Sanitary Sewer Collection
DIVISION WATER RESOURCES	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 12/17/2020		
START CONSTRUCTION DATE 6/14/2021		
EXPECTED COMPLETION DATE 10/30/2026	BUDGET CODE CPR1000427	

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). The lift station eliminations are included in Contracts I through IV. Contract I was initiated in FY22, Contracts II and III are anticipated to be bid in FY22, and Contract IV will be bid in FY24 at the completion of Contract II.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	263,000	344,000	47,000	10,000	-	-	664,000
Construction	2,227,000	1,750,000	887,000	443,000	-	-	5,307,000
Equipment	-	-	-	-	-	-	-
Personnel	75,000	60,000	45,000	45,000	-	-	225,000
Other	13,000	20,000	7,000	1,000	-	-	41,000
Total	2,578,000	2,174,000	986,000	499,000	-	-	6,237,000
Pre-FY2022 Exp (Rolling 3 Yr Avg)							1,158,000
FY2022 Estimate							2,000
Total							7,397,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	75,000	60,000	45,000	45,000	-	-	225,000
Bonds	-	31,000	941,000	454,000	-	-	1,426,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	2,503,000	2,083,000	-	-	-	-	4,586,000
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	2,578,000	2,174,000	986,000	499,000	-	-	6,237,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score: High Med Low
WS 79

WATER RESOURCES

PROJECT TITLE Cross Creek WRF Reliability Improvements	ACTIVITY 351000	CATEGORY Cross-Creek WRF
DIVISION WATER RESOURCES	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 6/1/2026		
START CONSTRUCTION DATE 10/1/2026		
EXPECTED COMPLETION DATE 6/1/2028	BUDGET CODE CPR1000454	

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	250,000	725,000	-	700,000	550,000	2,225,000
Construction	-	-	-	-	9,625,000	7,875,000	17,500,000
Equipment	-	-	-	-	-	-	-
Personnel	-	10,000	15,000	-	15,000	15,000	55,000
Other	-	-	-	-	-	-	-
Total	-	260,000	740,000	-	10,340,000	8,440,000	19,780,000
Pre-FY2022 Exp (Rolling 3 Yr Avg)							-
FY2022 Estimate							-
Total							19,780,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	10,000	15,000	-	-	-	25,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	250,000	725,000	-	10,340,000	8,440,000	19,755,000
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	260,000	740,000	-	10,340,000	8,440,000	19,780,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:
WS 80



WATER RESOURCES

PROJECT TITLE

Replace Standby Power Generator at the Cross Creek WRF

ACTIVITY

351000

CATEGORY

Cross-Creek WRF

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

1/15/2022

START CONSTRUCTION DATE

3/31/2022

EXPECTED COMPLETION DATE

11/26/2022

BUDGET CODE

CPR1000455

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	40,000	-	-	-	-	-	40,000
Construction	2,000,000	-	-	-	-	-	2,000,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	2,040,000	-	-	-	-	-	2,040,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							503,000
Total							2,543,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	2,040,000	-	-	-	-	-	2,040,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	2,040,000	-	-	-	-	-	2,040,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:

High
Med
Low

WS 81

WATER RESOURCES

PROJECT TITLE

Cross Creek WRF Influent Pump Station and Pump Station #3 Rehabilitation

ACTIVITY

351000

CATEGORY

Cross-Creek WRF

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	X

BID DATE

12/15/2022

START CONSTRUCTION DATE

2/28/2022

EXPECTED COMPLETION DATE

2/23/2024

BUDGET CODE

CPR1000499

PROJECT DESCRIPTION & JUSTIFICATION

The Influent Pump Station (IPS) and the Intermediate Pump Station #3 at the Cross Creek WRF are both in need of repairs. Assessment and preliminary engineering for rehabilitation of both these screw pump lift stations was completed in FY20. The Technical Memorandum resulting from that work recommended replacing all five existing screw pumps at each pump station and improvements to various mechanical and electrical components. Engineering design will commence in FY22 with construction to follow in FY23 and FY24.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	600,000	154,000	-	-	-	-	754,000
Construction	900,000	4,900,000	-	-	-	-	5,800,000
Equipment	-	-	-	-	-	-	-
Personnel	15,000	15,000	-	-	-	-	30,000
Other	-	-	-	-	-	-	-
Total	1,515,000	5,069,000	-	-	-	-	6,584,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							100,000
Total							6,684,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	1,515,000	5,069,000	-	-	-	-	6,584,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	1,515,000	5,069,000	-	-	-	-	6,584,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High Med Low

WS 82

WATER RESOURCES

PROJECT TITLE

Rockfish Creek WRF Expansion Phase 3

ACTIVITY

353500

CATEGORY

Rockfish Creek WRF

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	

BID DATE

11/15/2022

START CONSTRUCTION DATE

2/13/2023

EXPECTED COMPLETION DATE

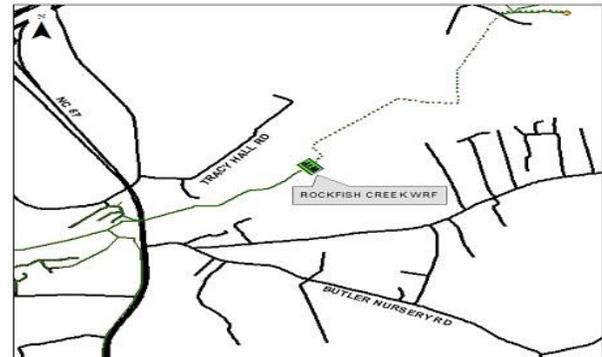
2/12/2026

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	1,658,000	1,248,000	1,463,000	892,000	-	-	5,261,000
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	-	-	80,000
Other	-	-	-	-	-	-	-
Total	6,678,000	24,018,000	27,483,000	17,162,000	-	-	75,341,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							607,000
<i>FY2022 Estimate</i>							861,000
Total							76,809,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	20,000	20,000	20,000	20,000	-	-	80,000
Bonds	1,449,000	-	-	-	-	-	1,449,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	5,209,000	23,998,000	27,463,000	17,142,000	-	-	73,812,000
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	6,678,000	24,018,000	27,483,000	17,162,000	-	-	75,341,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



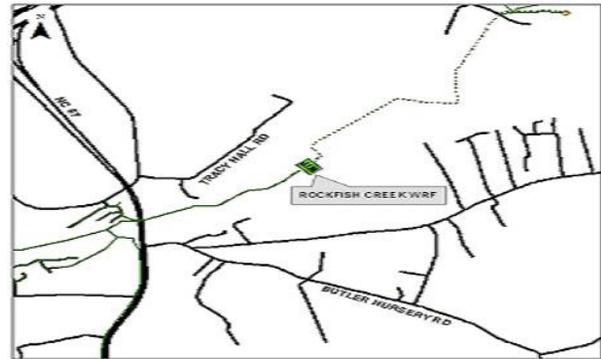
WS 83

WATER RESOURCES

PROJECT TITLE Rockfish Creek WRF Screening Improvements	ACTIVITY 353500	CATEGORY Rockfish Creek WRF
DIVISION WATER RESOURCES	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 3/16/2021		
START CONSTRUCTION DATE 1/19/2022		
EXPECTED COMPLETION DATE 9/11/2022	BUDGET CODE CPR1000329	

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	75,000	-	-	-	-	-	75,000
Construction	300,000	-	-	-	-	-	300,000
Equipment	-	-	-	-	-	-	-
Personnel	10,000	-	-	-	-	-	10,000
Other	-	-	-	-	-	-	-
Total	385,000	-	-	-	-	-	385,000
Pre-FY2022 Exp (Rolling 3 Yr Avg)							391,000
FY2022 Estimate							1,000,000
Total							1,776,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	385,000	-	-	-	-	-	385,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	385,000	-	-	-	-	-	385,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(5,000)	(5,000)	(5,000)	(5,000)	(25,000)	-	(45,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(5,000)	(5,000)	(5,000)	(5,000)	(25,000)	-	(45,000)

*Priority Score:



WS 84

WATER RESOURCES

PROJECT TITLE Replace Clarifier #3 Mechanism at the Rockfish Creek WRF	ACTIVITY 353500	CATEGORY Rockfish Creek WRF
DIVISION WATER RESOURCES	PRIORITY Score High Medium Low	TYPE PROJECT Replacement X Expansion New Renovation
BID DATE 5/1/2022		
START CONSTRUCTION DATE 6/15/2022		
EXPECTED COMPLETION DATE 8/14/2022	BUDGET CODE CPR1000457	

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	125,000	-	-	-	-	-	125,000
Construction	-	-	-	-	-	-	-
Equipment	-	-	-	-	-	-	-
Personnel	10,000	-	-	-	-	-	10,000
Other	-	-	-	-	-	-	-
Total	135,000	-	-	-	-	-	135,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							200,000
Total							335,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	135,000	-	-	-	-	-	135,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	135,000	-	-	-	-	-	135,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:



WS 85

WATER RESOURCES

PROJECT TITLE Replace Rockfish Creek WRF IPS Screw Pumps #1 and #2	ACTIVITY 353500	CATEGORY Rockfish Creek WRF								
DIVISION WATER RESOURCES	PRIORITY Score High Medium Low	TYPE PROJECT <table border="1"> <tr><td>Replacement</td><td>X</td></tr> <tr><td>Expansion</td><td></td></tr> <tr><td>New</td><td></td></tr> <tr><td>Renovation</td><td></td></tr> </table>	Replacement	X	Expansion		New		Renovation	
Replacement	X									
Expansion										
New										
Renovation										
BID DATE 11/15/2023										
START CONSTRUCTION DATE 2/13/2024										
EXPECTED COMPLETION DATE 5/13/2024	BUDGET CODE CPR1000459									

PROJECT DESCRIPTION & JUSTIFICATION

There are four (4) screw pumps at the Rockfish Creek Inflow 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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	15,000	-	-	-	-	-	15,000
Construction	-	310,000	-	-	-	-	310,000
Equipment	600,000	-	-	-	-	-	600,000
Personnel	15,000	10,000	-	-	-	-	25,000
Other	-	-	-	-	-	-	-
Total	630,000	320,000	-	-	-	-	950,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							950,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	630,000	320,000	-	-	-	-	950,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	630,000	320,000	-	-	-	-	950,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:



WS 86

WATER RESOURCES

PROJECT TITLE

Replace Rockfish Creek WRF IPS Screw Pumps #3 and #4

ACTIVITY

353500

CATEGORY

Rockfish Creek WRF

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
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 Inflow 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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	15,000	-	-	-	-	15,000
Construction	-	310,000	-	-	-	-	310,000
Equipment	-	600,000	-	-	-	-	600,000
Personnel	-	30,000	-	-	-	-	30,000
Other	-	-	-	-	-	-	-
Total	-	955,000	-	-	-	-	955,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							955,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	955,000	-	-	-	-	955,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	955,000	-	-	-	-	955,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



WS 87

WATER RESOURCES

PROJECT TITLE

Sanitary Sewer Improvements to serve the 401 N. Industrial Site

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	
New	X
Renovation	

BID DATE

1/30/2025

START CONSTRUCTION DATE

4/14/2025

EXPECTED COMPLETION DATE

1/9/2026

BUDGET CODE

CPR1000513

PROJECT DESCRIPTION & JUSTIFICATION

This project will extend 6000-feet of new 24-inch sanitary sewer main to serve the #401 North Industrial site located off of Slocomb Road. The new sewer main would begin at connection with the existing 24-inch sanitary sewer main on the south side of Melstone Drive. The routing would run east along Melstone and then north crossing the Goodyear site through to the industrial site near the terminal end of Bethune Drive. See WS 19 - CPR1000514 for the water portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	40,000	-	-	-	-	40,000
Engineering	100,000	185,000	50,000	75,000	-	-	410,000
Construction	-	-	480,000	1,920,000	-	-	2,400,000
Equipment	-	-	-	-	-	-	-
Personnel	5,000	10,000	10,000	10,000	-	-	35,000
Other	-	-	-	-	-	-	-
Total	105,000	235,000	540,000	2,005,000	-	-	2,885,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							2,885,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	105,000	235,000	540,000	2,005,000	-	-	2,885,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	105,000	235,000	540,000	2,005,000	-	-	2,885,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:
WS 88

High	Med	Low
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WATER RESOURCES

PROJECT TITLE Replacement of Sewer Mains in Dams	ACTIVITY 341500	CATEGORY Sanitary Sewer Collection												
DIVISION WATER RESOURCES	PRIORITY Score High Medium Low	TYPE PROJECT <table border="1"> <tr><td></td><td>Replacement</td><td>X</td></tr> <tr><td></td><td>Expansion</td><td></td></tr> <tr><td>X</td><td>New</td><td></td></tr> <tr><td></td><td>Renovation</td><td></td></tr> </table>		Replacement	X		Expansion		X	New			Renovation	
	Replacement	X												
	Expansion													
X	New													
	Renovation													
BID DATE 12/15/2027														
START CONSTRUCTION DATE 4/15/2028														
EXPECTED COMPLETION DATE 6/30/2034	BUDGET CODE CPR1000511													

PROJECT DESCRIPTION & JUSTIFICATION

This project will replace and relocate existing sewer mains that are located within the footprint of existing dams. PWC undertook an evaluation of the existing sewer mains and identified over 30 locations where the existing sewer main is within the dam embankment. Failure of these sewer mains would likely result in failure of the dam structure resulting in significant social and economic losses. Relocation of the sewer mains outside of the dam embankment minimizes the risk of the sewer main failing and the impacts to the utility should the dam fail. See WS 25 - CPR1000512 for the Water portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	50,000	90,000	140,000
Engineering	-	-	50,000	500,000	600,000	1,350,000	2,500,000
Construction	-	-	-	-	-	16,000,000	16,000,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	5,000	15,000	20,000	115,000	155,000
Other	-	-	-	-	-	-	-
Total	-	-	55,000	515,000	670,000	17,555,000	18,795,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							18,795,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	55,000	515,000	670,000	17,555,000	18,795,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	55,000	515,000	670,000	17,555,000	18,795,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score: High Med Low
WS 89

WATER RESOURCES

PROJECT TITLE

Utility Improvements for City of Fayetteville Storm Drainage Improvements - Sew 341500

ACTIVITY

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	X
New	X
Renovation	

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000141

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	30,000	30,000	30,000	10,000	10,000	50,000	160,000
Construction	400,000	400,000	400,000	180,000	180,000	900,000	2,460,000
Equipment	-	-	-	-	-	-	-
Personnel	20,000	20,000	20,000	10,000	10,000	50,000	130,000
Other	-	-	-	-	-	-	-
Total	450,000	450,000	450,000	200,000	200,000	1,000,000	2,750,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							99,000
<i>FY2022 Estimate</i>							187,000
Total							3,036,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	450,000	450,000	450,000	200,000	200,000	1,000,000	2,750,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	450,000	450,000	450,000	200,000	200,000	1,000,000	2,750,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:

High Med Low

WS 90

WATER RESOURCES

PROJECT TITLE

Utility Improvements for the Town of Hope Mills Stormwater Projects - Sewer

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	X
New	
Renovation	X

BID DATE

START CONSTRUCTION DATE

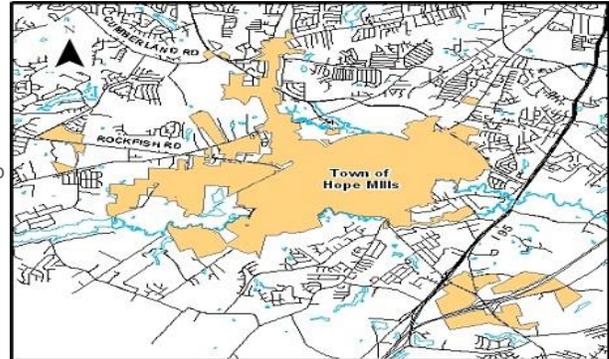
EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000155

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							250,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:

High
Med
Low

WS 91

WATER RESOURCES

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

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	5,000	5,000	5,000	5,000	5,000	25,000	50,000
Equipment	-	-	-	-	-	-	-
Personnel	5,000	5,000	5,000	5,000	5,000	25,000	50,000
Other	-	-	-	-	-	-	-
Total	10,000	10,000	10,000	10,000	10,000	50,000	100,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							1,000
Total							101,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:
WS 92

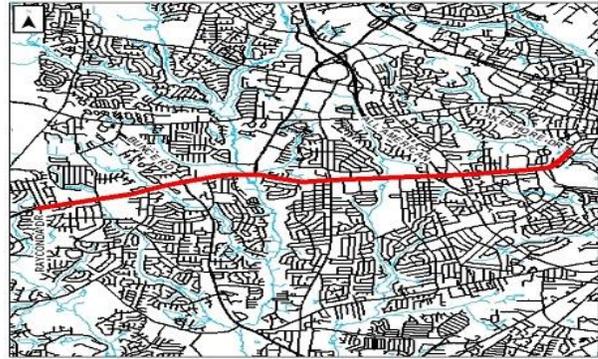


WATER RESOURCES

PROJECT TITLE		ACTIVITY	CATEGORY
NCDOT U-4405 Raeford Rd Median Improv, Hampton Oaks Drive to Fairway Drive 341500			Sanitary Sewer Collection
DIVISION		PRIORITY	TYPE PROJECT
WATER RESOURCES		Score	Replacement X
		High	X Expansion
BID DATE	11/15/2021	Medium	New
		Low	Renovation X
START CONSTRUCTION DATE	2/1/2022		
EXPECTED COMPLETION DATE	11/15/2028	BUDGET CODE	CPR1000268

PROJECT DESCRIPTION & JUSTIFICATION

This project will relocate sewer 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 FY2029. See WS 31 - CPR1000267 for the water portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	60,000	70,000	45,000	30,000	25,000	25,000	255,000
Construction	-	350,000	-	2,000,000	-	7,800,000	10,150,000
Equipment	-	-	-	-	-	-	-
Personnel	30,000	30,000	40,000	30,000	30,000	20,000	180,000
Other	-	-	-	-	-	-	-
Total	90,000	450,000	85,000	2,060,000	55,000	7,845,000	10,585,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							438,000
<i>FY2022 Estimate</i>							36,000
Total							11,059,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	90,000	100,000	85,000	60,000	55,000	45,000	435,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	350,000	-	2,000,000	-	7,800,000	10,150,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	90,000	450,000	85,000	2,060,000	55,000	7,845,000	10,585,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score: High Med Low
 WS 93

WATER RESOURCES

PROJECT TITLE

NCDOT U-6073 Fisher Rd. from Strickland Bridge Rd. to NC162 Bingham Dr. (Sew 341500)

ACTIVITY

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

10/20/2027

START CONSTRUCTION DATE

12/17/2027

EXPECTED COMPLETION DATE

6/30/2029

BUDGET CODE

CPR1000380

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 33 - CPR 1000372 for the water portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	43,000	30,000	-	-	73,000
Engineering	-	80,000	80,000	63,000	60,000	18,000	301,000
Construction	-	-	-	-	-	1,750,000	1,750,000
Equipment	-	-	-	-	-	-	-
Personnel	-	5,000	5,000	5,000	5,000	25,000	45,000
Other	-	-	-	-	-	-	-
Total	-	85,000	128,000	98,000	65,000	1,793,000	2,169,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							2,169,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	85,000	128,000	98,000	65,000	43,000	419,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	1,750,000	1,750,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	85,000	128,000	98,000	65,000	1,793,000	2,169,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:
WS 94



WATER RESOURCES

PROJECT TITLE

NCDOT U-2519B A/BB Fayetteville Outer Loop from South of US 401 to South of SR 341500

ACTIVITY

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	X
Renovation	

BID DATE

10/15/2022

START CONSTRUCTION DATE

12/15/2022

EXPECTED COMPLETION DATE

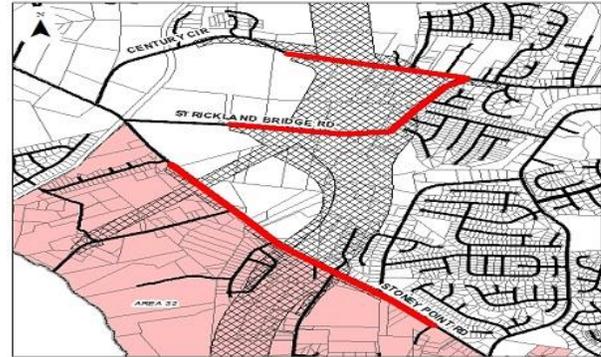
3/15/2024

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. Construction is expected to begin in FY23 and be completed in FY24. An agreement with NCDOT is not in place currently. However, billing is expected upon completion of all highway work and to be made in one final payment. See WS 34 - CPR1000348 for the water portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	800,000	-	-	-	-	800,000
Equipment	-	-	-	-	-	-	-
Personnel	5,000	5,000	-	-	-	-	10,000
Other	-	-	-	-	-	-	-
Total	5,000	805,000	-	-	-	-	810,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							10,000
<i>FY2022 Estimate</i>							2,000
Total							822,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	5,000	5,000	-	-	-	-	10,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	40,000	-	-	-	-	40,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	760,000	-	-	-	-	760,000
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	5,000	805,000	-	-	-	-	810,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:
WS 95



WATER RESOURCES

PROJECT TITLE

NCDOT U-6072A SR1112 (Rockfish Rd) from Strickland Bridge Rd. to Camden Rd. 341500

ACTIVITY

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

1/1/2040

START CONSTRUCTION DATE

3/1/2040

EXPECTED COMPLETION DATE

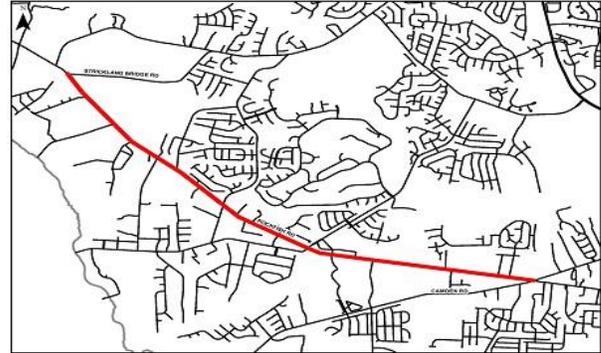
10/31/2043

BUDGET CODE

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 CIP. See WS 32 - CPR1000371 for the water portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	10,000	10,000
Engineering	-	-	-	-	-	100,000	100,000
Construction	-	-	-	-	-	-	-
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	11,000	11,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	121,000	121,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							121,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	121,000	121,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	121,000	121,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 96

WATER RESOURCES

PROJECT TITLE

NCDOT U-5015 Murchison Road (Langdon St to US 401) - Sewer

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	X
Renovation	

BID DATE

1/1/2040

START CONSTRUCTION DATE

3/1/2040

EXPECTED COMPLETION DATE

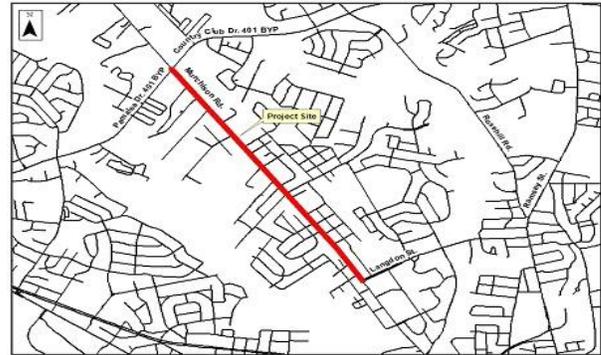
3/1/2043

BUDGET CODE

CPR1000496

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Murchison Road from Langdon Street to the HWY 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 October 2028. The construction start date is anticipated to be FY2040 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. It is anticipated that NCDOT will bill PWC for the utility work upon completion of the project. See WS 36 - CPR1000495 for the water portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	50,000	100,000	150,000
Construction	-	-	-	-	-	-	-
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	5,000	30,000	35,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	55,000	130,000	185,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							185,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	55,000	130,000	185,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	55,000	130,000	185,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 97

WATER RESOURCES

PROJECT TITLE

NCDOT U-4900 Murchison Road Widening - Sewer

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

5/21/2024

START CONSTRUCTION DATE

7/21/2024

EXPECTED COMPLETION DATE

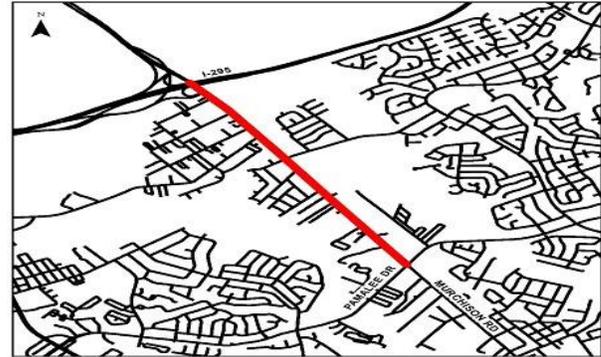
7/21/2027

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 July 2024. PWC has estimated 50% 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 - CPR1000306 for the water portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	30,000	5,000	-	-	-	-	35,000
Engineering	70,000	60,000	55,000	15,000	10,000	10,000	220,000
Construction	-	-	-	-	950,000	-	950,000
Equipment	-	-	-	-	-	-	-
Personnel	15,000	10,000	10,000	5,000	5,000	5,000	50,000
Other	-	-	-	-	-	-	-
Total	115,000	75,000	65,000	20,000	965,000	15,000	1,255,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							76,000
<i>FY2022 Estimate</i>							17,000
Total							1,348,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	115,000	75,000	65,000	20,000	15,000	15,000	305,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	950,000	-	950,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	115,000	75,000	65,000	20,000	965,000	15,000	1,255,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:



WS 98

WATER RESOURCES

PROJECT TITLE

NCDOT U-5101(A) Shaw Rd Widening - Sewer

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	X
Renovation	

BID DATE

11/16/2027

START CONSTRUCTION DATE

1/15/2028

EXPECTED COMPLETION DATE

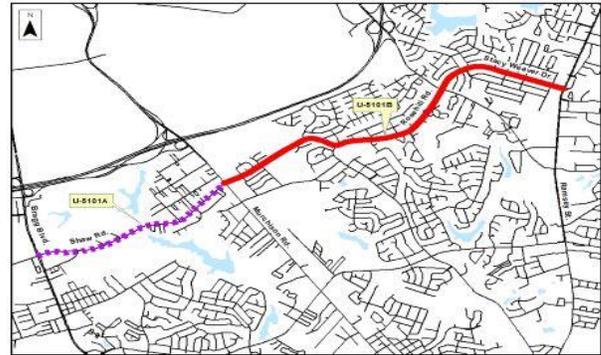
5/30/2029

BUDGET CODE

CPR1000315

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT divided the project into Phase A and Phase B. NCDOT's Phase A will widen Shaw Rd. from Bragg Blvd. to Murchison Rd. and continue east into Phase B to widen Shaw Mill Rd., Rosehill Rd., and Stacey Weaver Dr. ending at Ramsey St. The 16", 8" and 6" water mains and 8" gravity sewer in the corridor may conflict with NCDOT's facilities and require relocation. A closed-circuit television (CCTV) and manhole inspection of gravity sanitary sewers within both Phase A and B will be performed. NCDOT plans to go to ROW in FY25 and to begin construction in FY28. See WS 38 - CPR1000307 for the water portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	10,000	-	-	-	10,000
Engineering	-	230,000	40,000	30,000	10,000	40,000	350,000
Construction	-	-	-	-	-	600,000	600,000
Equipment	-	-	-	-	-	-	-
Personnel	-	15,000	15,000	5,000	20,000	20,000	75,000
Other	-	-	-	-	-	-	-
Total	-	245,000	65,000	35,000	30,000	660,000	1,035,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							2,000
Total							1,037,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	245,000	65,000	35,000	30,000	60,000	435,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	600,000	600,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	245,000	65,000	35,000	30,000	660,000	1,035,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:
WS 99



WATER RESOURCES

PROJECT TITLE

NCDOT U-5798 A - Gillis Hill Rd Widening - Sewer

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

3/15/2022

START CONSTRUCTION DATE

5/15/2022

EXPECTED COMPLETION DATE

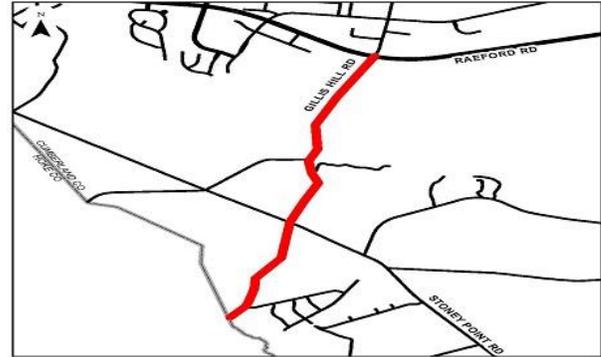
5/15/2025

BUDGET CODE

CPR1000316

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Gillis Hill Rd. from US HWY Raeford Rd. to south of Celtic Dr. in Hoke County as two phases. Phase A extends 7000 LF from Raeford Rd. south to Stoney Point Rd. and includes replacement of the bridge over Little Rockfish Creek. Phase B extends 3500 LF from Stoney Point Rd. to south of Celtic Drive. In Phase A the 8" gravity sewer main (1500 LF) is in conflict with the NCDOT proposed facilities which will require relocation. It is anticipated that NCDOT will bill PWC upon the completion of the project. See WS 39 - CPR1000308 for the water portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	7,000	7,000	7,000	-	-	-	21,000
Construction	-	-	370,000	-	-	-	370,000
Equipment	-	-	-	-	-	-	-
Personnel	5,000	5,000	5,000	-	-	-	15,000
Other	-	-	-	-	-	-	-
Total	12,000	12,000	382,000	-	-	-	406,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							45,000
<i>FY2022 Estimate</i>							42,000
Total							493,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	12,000	12,000	12,000	-	-	-	36,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	370,000	-	-	-	370,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	12,000	12,000	382,000	-	-	-	406,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 100

WATER RESOURCES

PROJECT TITLE

NCDOT U-3422 Camden Rd Widening - Sewer

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

10/17/2023

START CONSTRUCTION DATE

12/17/2023

EXPECTED COMPLETION DATE

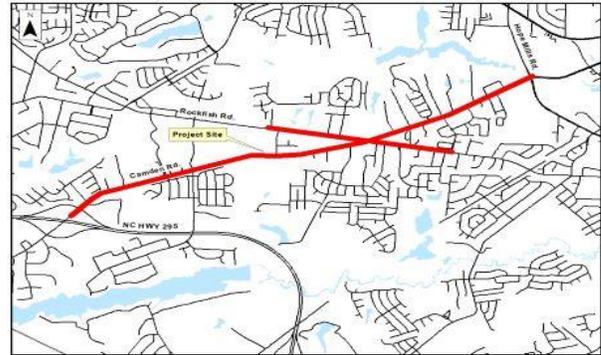
1/15/2027

BUDGET CODE

CPR1000317

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Camden Rd. from NC 59 to the new I-295 Fayetteville Outer Loop. The project also widens Rockfish Rd. 600 LF to the north and 2,000 LF south of Camden Rd. A total of approximately 3,000 LF of existing 8" of sewer mains extend along this corridor. Sections of both the gravity main (800 LF) and the force main (1,000 LF) conflict with NCDOT's proposed facilities and must be relocated. Construction will begin in FY24 and these utility improvements will be included in the NCDOT construction contract. It is anticipated that NCDOT will bill PWC for the utility work upon completion of the project. See WS 41 - CPR1000309 for the water portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	15,000	5,000	30,000	3,000	-	-	53,000
Construction	-	-	550,000	-	-	-	550,000
Equipment	-	-	-	-	-	-	-
Personnel	5,000	5,000	5,000	10,000	2,000	-	27,000
Other	-	-	-	-	-	-	-
Total	20,000	10,000	585,000	13,000	2,000	-	630,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							25,000
<i>FY2022 Estimate</i>							66,000
Total							721,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	20,000	10,000	35,000	13,000	2,000	-	80,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	550,000	-	-	-	550,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	20,000	10,000	585,000	13,000	2,000	-	630,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:

High
Med
Low

WS 101

WATER RESOURCES

PROJECT TITLE

NCDOT U-4709 Rockfish Road, Golfview Drive to NC 59 - Sewer

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	X
Renovation	

BID DATE

11/15/2022

START CONSTRUCTION DATE

1/17/2023

EXPECTED COMPLETION DATE

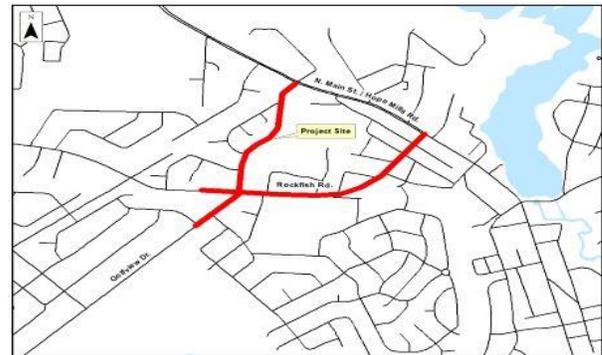
1/31/2026

BUDGET CODE

CPR1000398

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT will widen Rockfish Rd. between Golfview Dr. and NC 59 to four (4) lanes and make improvements to Golfview Dr. between NC 59 and Rockfish Rd. Approximately 2,000 LF of existing 8" sewer mains are in conflict with NCDOT proposed facilities between Golfview Dr and NC 59 must be relocated. Construction is anticipated to begin in FY23 and be completed in FY26. A Utility Agreement with NCDOT will be finalized in FY22. Billing is expected upon completion of all road work and is anticipated to be made in one final payment. See WS 42 - CPR1000399 for the water portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	7,000	7,000	5,000	2,000	-	-	21,000
Construction	-	825,000	-	-	-	-	825,000
Equipment	-	-	-	-	-	-	-
Personnel	5,000	5,000	5,000	5,000	-	-	20,000
Other	-	-	-	-	-	-	-
Total	12,000	837,000	10,000	7,000	-	-	866,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							14,000
<i>FY2022 Estimate</i>							13,000
Total							893,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	12,000	12,000	10,000	7,000	-	-	41,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	825,000	-	-	-	-	825,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	12,000	837,000	10,000	7,000	-	-	866,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



WS 102

WATER RESOURCES

PROJECT TITLE

NCDOT U-4403(B) Ramsey Street Widening - Sewer

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

12/19/2028

START CONSTRUCTION DATE

2/15/2029

EXPECTED COMPLETION DATE

2/15/2031

BUDGET CODE

CPR1000312

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Ramsey Street from Slocomb 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 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 43 - CPR1000293 for the water portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	100,000	200,000	300,000
Engineering	-	190,000	150,000	100,000	130,000	370,000	940,000
Construction	-	-	-	-	-	4,900,000	4,900,000
Equipment	-	-	-	-	-	-	-
Personnel	-	20,000	20,000	20,000	20,000	40,000	120,000
Other	-	-	-	-	-	-	-
Total	-	210,000	170,000	120,000	250,000	5,510,000	6,260,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							535,000
<i>FY2022 Estimate</i>							6,000
Total							6,801,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	210,000	170,000	120,000	250,000	610,000	1,360,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	4,900,000	4,900,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	210,000	170,000	120,000	250,000	5,510,000	6,260,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



WS 103

WATER RESOURCES

PROJECT TITLE

NCDOT U-4403(C) Ramsey Street Widening - Water

ACTIVITY

331000

CATEGORY

Water Distribution System

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

1/16/2029

START CONSTRUCTION DATE

3/16/2029

EXPECTED COMPLETION DATE

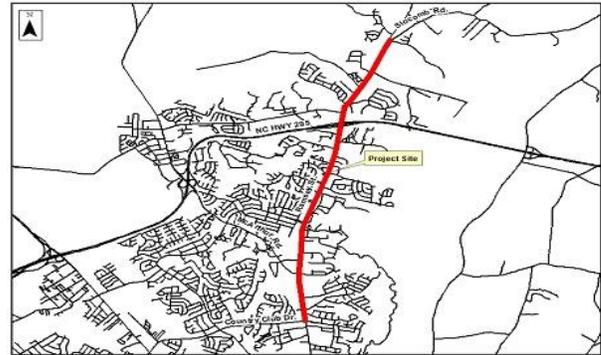
3/15/2032

BUDGET CODE

CPR1000485

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Ramsey Street from Slocomb Road to Grove Street. This phase of the project is from US 401 Bypass to Slocomb 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 Slocomb Road as part of this NCDOT project. See WS 105 - CPR1000487 for the Sewer portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	580,000	580,000	80,000	-	1,240,000
Engineering	-	740,000	420,000	380,000	380,000	1,600,000	3,520,000
Construction	-	-	-	-	-	19,400,000	19,400,000
Equipment	-	-	-	-	-	32,000	32,000
Personnel	-	45,000	45,000	40,000	40,000	60,000	230,000
Other	-	-	-	-	-	-	-
Total	-	785,000	1,045,000	1,000,000	500,000	21,092,000	24,422,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							24,422,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	785,000	1,045,000	1,000,000	500,000	1,692,000	5,022,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	19,400,000	19,400,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	785,000	1,045,000	1,000,000	500,000	21,092,000	24,422,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High
Med
Low

WS 104

WATER RESOURCES

PROJECT TITLE

NCDOT U-4403(C) Ramsey Street Widening - Sewer

ACTIVITY

341500

CATEGORY

Sanitary Sewer Collection

DIVISION

WATER RESOURCES

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

1/16/2029

START CONSTRUCTION DATE

3/16/2029

EXPECTED COMPLETION DATE

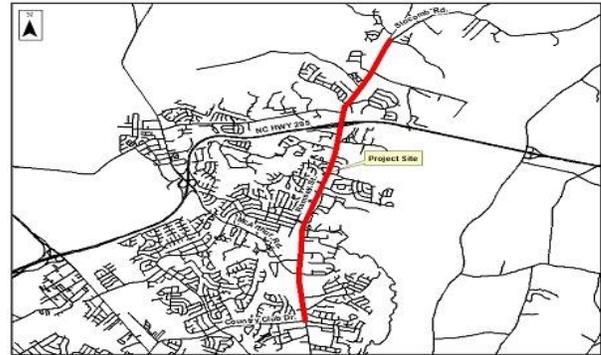
3/15/2032

BUDGET CODE

CPR1000487

PROJECT DESCRIPTION & JUSTIFICATION

NCDOT plans to widen Ramsey Street from Slocomb Road to Grove Street. This phase of the project is from US 401 Bypass to Slocomb 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. CPR1000485 is the sewer portion of this project.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	120,000	120,000	20,000	-	260,000
Engineering	-	150,000	90,000	80,000	80,000	330,000	730,000
Construction	-	-	-	-	-	3,900,000	3,900,000
Equipment	-	-	-	-	-	-	-
Personnel	-	20,000	20,000	20,000	15,000	40,000	115,000
Other	-	-	-	-	-	-	-
Total	-	170,000	230,000	220,000	115,000	4,270,000	5,005,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							5,005,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	170,000	230,000	220,000	115,000	370,000	1,105,000
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	3,900,000	3,900,000
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	170,000	230,000	220,000	115,000	4,270,000	5,005,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



WS 105



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ELECTRIC SYSTEMS

PROJECT TITLE

Underground Distribution Infrastructure Installations – New

ACTIVITY

366000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000009

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	900,000	1,100,000	1,200,000	1,300,000	1,400,000	8,500,000	14,400,000
Equipment	1,000,000	1,000,000	1,100,000	1,200,000	1,300,000	8,000,000	13,600,000
Personnel	100,000	100,000	100,000	100,000	100,000	500,000	1,000,000
Other	-	-	-	-	-	-	-
Total	2,000,000	2,200,000	2,400,000	2,600,000	2,800,000	17,000,000	29,000,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							1,950,000
<i>FY2022 Estimate</i>							2,471,000
Total							33,421,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	2,000,000	2,200,000	2,400,000	2,600,000	2,800,000	17,000,000	29,000,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	2,000,000	2,200,000	2,400,000	2,600,000	2,800,000	17,000,000	29,000,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	17,500	20,000	22,500	25,000	27,500	175,000	287,500
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	17,500	20,000	22,500	25,000	27,500	175,000	287,500

*Priority Score: High Med Low
EL 1

ELECTRIC SYSTEMS

PROJECT TITLE

Overhead Infrastructure Installation - New

ACTIVITY

365000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000010

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	25,000	25,000	25,000	25,000	25,000	125,000	250,000
Personnel	25,000	25,000	25,000	25,000	25,000	125,000	250,000
Other	-	-	-	-	-	-	-
Total	50,000	50,000	50,000	50,000	50,000	250,000	500,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							36,000
<i>FY2022 Estimate</i>							41,000
Total							577,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	50,000	50,000	50,000	50,000	50,000	250,000	500,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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

PROJECT TITLE

LED Area Lights - New Installations

ACTIVITY

371000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000011

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	225,000	225,000	225,000	225,000	225,000	1,125,000	2,250,000
Personnel	225,000	225,000	225,000	225,000	225,000	1,125,000	2,250,000
Other	-	-	-	-	-	-	-
Total	450,000	450,000	450,000	450,000	450,000	2,250,000	4,500,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							406,000
<i>FY2022 Estimate</i>							400,000
Total							5,306,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	450,000	450,000	450,000	450,000	450,000	2,250,000	4,500,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	450,000	450,000	450,000	450,000	450,000	2,250,000	4,500,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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

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

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	1,500,000	1,550,000	1,600,000	1,650,000	1,700,000	9,000,000	17,000,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	1,500,000	1,550,000	1,600,000	1,650,000	1,700,000	9,000,000	17,000,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							1,163,000
<i>FY2022 Estimate</i>							1,003,000
Total							19,166,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	1,500,000	1,550,000	1,600,000	1,650,000	1,700,000	9,000,000	17,000,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	1,500,000	1,550,000	1,600,000	1,650,000	1,700,000	9,000,000	17,000,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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:



EL 4

ELECTRIC SYSTEMS

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

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	500,000	500,000	500,000	500,000	500,000	2,500,000	5,000,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	500,000	500,000	500,000	500,000	500,000	2,500,000	5,000,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							339,000
<i>FY2022 Estimate</i>							350,000
Total							5,689,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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 5

ELECTRIC SYSTEMS

PROJECT TITLE

Underground Infrastructure Replacement - Residential

ACTIVITY

366000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000015

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							1,464,000
<i>FY2022 Estimate</i>							3,431,000
Total							41,145,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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:



EL 6

ELECTRIC SYSTEMS

PROJECT TITLE

Underground Infrastructure Replacement - Non Residential

ACTIVITY

366000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000239

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	575,000	625,000	675,000	725,000	775,000	4,625,000	8,000,000
Equipment	575,000	625,000	675,000	725,000	775,000	4,625,000	8,000,000
Personnel	100,000	100,000	100,000	100,000	100,000	500,000	1,000,000
Other	-	-	-	-	-	-	-
Total	1,250,000	1,350,000	1,450,000	1,550,000	1,650,000	9,750,000	17,000,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							5,064,000
<i>FY2022 Estimate</i>							608,000
Total							22,672,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	1,250,000	1,350,000	1,450,000	1,550,000	1,650,000	9,750,000	17,000,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	1,250,000	1,350,000	1,450,000	1,550,000	1,650,000	9,750,000	17,000,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:



EL 7

ELECTRIC SYSTEMS

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

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	50,000	50,000	50,000	50,000	50,000	250,000	500,000
Equipment	250,000	350,000	350,000	350,000	350,000	1,750,000	3,400,000
Personnel	350,000	250,000	250,000	250,000	250,000	1,250,000	2,600,000
Other	-	-	-	-	-	-	-
Total	650,000	650,000	650,000	650,000	650,000	3,250,000	6,500,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							582,000
<i>FY2022 Estimate</i>							483,000
Total							7,565,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	650,000	650,000	650,000	650,000	650,000	3,250,000	6,500,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	650,000	650,000	650,000	650,000	650,000	3,250,000	6,500,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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

PROJECT TITLE

UG Feeder Exit Replacement Substations

ACTIVITY

366000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000240

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 in most cases over 30 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 FY23 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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	125,000	150,000	175,000	200,000	225,000	1,500,000	2,375,000
Equipment	125,000	150,000	175,000	200,000	225,000	1,500,000	2,375,000
Personnel	25,000	25,000	25,000	25,000	25,000	125,000	250,000
Other	-	-	-	-	-	-	-
Total	275,000	325,000	375,000	425,000	475,000	3,125,000	5,000,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							599,000
<i>FY2022 Estimate</i>							255,000
Total							5,854,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	275,000	325,000	375,000	425,000	475,000	3,125,000	5,000,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	275,000	325,000	375,000	425,000	475,000	3,125,000	5,000,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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:



EL 9

ELECTRIC SYSTEMS

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

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	75,000	75,000	50,000	50,000	40,000	200,000	490,000
Equipment	75,000	75,000	50,000	50,000	35,000	175,000	460,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	150,000	150,000	100,000	100,000	75,000	375,000	950,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							3,000
<i>FY2022 Estimate</i>							100,000
Total							1,053,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	150,000	150,000	100,000	100,000	75,000	375,000	950,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	150,000	150,000	100,000	100,000	75,000	375,000	950,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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

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

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	60,000	60,000	60,000	60,000	60,000	300,000	600,000
Personnel	40,000	40,000	40,000	40,000	40,000	200,000	400,000
Other	-	-	-	-	-	-	-
Total	100,000	100,000	100,000	100,000	100,000	500,000	1,000,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							7,000
<i>FY2022 Estimate</i>							200,000
Total							1,207,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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 11

ELECTRIC SYSTEMS

PROJECT TITLE

Overhead Infrastructure Improvements

ACTIVITY

355000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

START CONSTRUCTION DATE

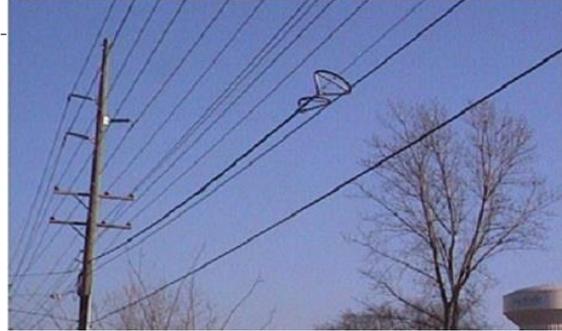
EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000036

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	300,000	300,000	300,000	300,000	300,000	1,500,000	3,000,000
Equipment	250,000	250,000	250,000	250,000	250,000	1,250,000	2,500,000
Personnel	50,000	50,000	50,000	50,000	50,000	250,000	500,000
Other	-	-	-	-	-	-	-
Total	600,000	600,000	600,000	600,000	600,000	3,000,000	6,000,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							894,000
<i>FY2022 Estimate</i>							1,352,000
Total							8,246,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	600,000	600,000	600,000	600,000	600,000	3,000,000	6,000,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	600,000	600,000	600,000	600,000	600,000	3,000,000	6,000,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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

PROJECT TITLE Foreign Attachment Make-Ready & Clearance	ACTIVITY 364000	CATEGORY Electric Distribution System
DIVISION ELECTRIC SYSTEMS	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE		
START CONSTRUCTION DATE		
EXPECTED COMPLETION DATE	BUDGET CODE CPR1000028	

PROJECT DESCRIPTION & JUSTIFICATION

This project includes funds to make changes to the distribution system needed to accommodate the installation of foreign attachment equipment in compliance with PWC construction standards and NESC requirements. It is anticipated that approximately 50% of the construction required to make these changes will be reimbursed to PWC by the attaching parties once all negotiations and pole attachment / joint-ownership contracts are finalized.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	300,000	300,000	-	-	-	-	600,000
Equipment	50,000	50,000	-	-	-	-	100,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	350,000	350,000	-	-	-	-	700,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							32,000
<i>FY2022 Estimate</i>							293,000
Total							1,025,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	350,000	350,000	-	-	-	-	700,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	350,000	350,000	-	-	-	-	700,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score: High Med Low
EL 13

ELECTRIC SYSTEMS

PROJECT TITLE

Thoroughfare LED Lighting - New Installations

ACTIVITY

373000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000334

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	50,000	50,000	50,000	50,000	50,000	250,000	500,000
Equipment	50,000	50,000	50,000	50,000	50,000	25,000	275,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	100,000	100,000	100,000	100,000	100,000	275,000	775,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							568,000
<i>FY2022 Estimate</i>							4,000
Total							1,347,000
Funding Source							
Electric Fund	100,000	100,000	100,000	100,000	100,000	275,000	775,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
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	275,000	775,000
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
EL 14

ELECTRIC SYSTEMS

PROJECT TITLE

Thoroughfare LED Roadway Lighting-Conversion

ACTIVITY

373000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

11/30/2022

BUDGET CODE

CPR1000038

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	125,000	-	-	-	-	-	125,000
Equipment	125,000	-	-	-	-	-	125,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	250,000	-	-	-	-	-	250,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							464,000
<i>FY2022 Estimate</i>							209,000
Total							923,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	250,000	-	-	-	-	-	250,000
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	250,000	-	-	-	-	-	250,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:

High
Med
Low

EL 15

ELECTRIC SYSTEMS

PROJECT TITLE

Conservation Load Reduction (CVR)

ACTIVITY

368000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000270

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	100,000	100,000	100,000	100,000	100,000	500,000	1,000,000
Personnel	50,000	50,000	50,000	50,000	50,000	250,000	500,000
Other	-	-	-	-	-	-	-
Total	150,000	150,000	150,000	150,000	150,000	750,000	1,500,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							1,320,000
<i>FY2022 Estimate</i>							125,000
Total							2,945,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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:



EL 16

ELECTRIC SYSTEMS

PROJECT TITLE

System Reactive Power Compensation

ACTIVITY

365000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000034

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	125,000	125,000	125,000	100,000	100,000	500,000	1,075,000
Equipment	125,000	125,000	125,000	100,000	100,000	500,000	1,075,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	250,000	250,000	250,000	200,000	200,000	1,000,000	2,150,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							3,640,000
<i>FY2022 Estimate</i>							82,000
Total							5,872,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	250,000	250,000	250,000	200,000	200,000	1,000,000	2,150,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	250,000	250,000	250,000	200,000	200,000	1,000,000	2,150,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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:



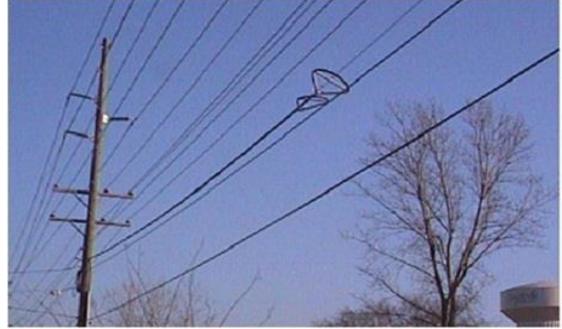
EL 17

ELECTRIC SYSTEMS

PROJECT TITLE Fiber Optic Cable Line Extensions for Electric System Automation PWC Smart Grid Initiat	ACTIVITY 397000	CATEGORY Telecom - Cable Infrastructure
DIVISION ELECTRIC SYSTEMS	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New 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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	150,000	175,000	200,000	225,000	250,000	1,375,000	2,375,000
Personnel	150,000	175,000	200,000	225,000	250,000	1,375,000	2,375,000
Other	-	-	-	-	-	-	-
Total	300,000	350,000	400,000	450,000	500,000	2,750,000	4,750,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							203,000
<i>FY2022 Estimate</i>							223,000
Total							5,176,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	300,000	350,000	400,000	450,000	500,000	2,750,000	4,750,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	300,000	350,000	400,000	450,000	500,000	2,750,000	4,750,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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 18

ELECTRIC SYSTEMS

PROJECT TITLE

SONET Communications for Smart Grid

ACTIVITY

397000

CATEGORY

Communication_Equipment

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000217

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	100,000	100,000	100,000	100,000	100,000	500,000	1,000,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	100,000	100,000	100,000	100,000	100,000	500,000	1,000,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							546,000
<i>FY2022 Estimate</i>							33,000
Total							1,579,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:



EL 19

ELECTRIC SYSTEMS

PROJECT TITLE

Distribution Automation

ACTIVITY

365000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	
New	X
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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	200,000	200,000	300,000	400,000	500,000	2,500,000	4,100,000
Personnel	100,000	100,000	150,000	200,000	250,000	1,250,000	2,050,000
Other	-	-	-	-	-	-	-
Total	300,000	300,000	450,000	600,000	750,000	3,750,000	6,150,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							419,000
<i>FY2022 Estimate</i>							45,000
Total							6,614,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	300,000	300,000	450,000	600,000	750,000	3,750,000	6,150,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	300,000	300,000	450,000	600,000	750,000	3,750,000	6,150,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	(5,000)	(10,000)	(20,000)	(30,000)	(40,000)	(250,000)	(355,000)
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	(5,000)	(10,000)	(20,000)	(30,000)	(40,000)	(250,000)	(355,000)

*Priority Score:



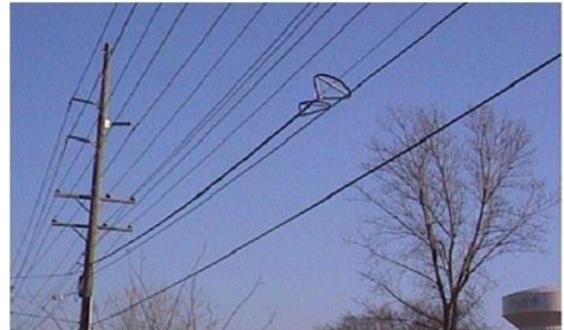
EL 20

ELECTRIC SYSTEMS

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

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000	10,000,000
Equipment	950,000	950,000	950,000	950,000	950,000	4,750,000	9,500,000
Personnel	50,000	50,000	50,000	50,000	50,000	250,000	500,000
Other	-	-	-	-	-	-	-
Total	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000	20,000,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							1,310,000
<i>FY2022 Estimate</i>							795,000
Total							22,105,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000	20,000,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	2,000,000	2,000,000	2,000,000	2,000,000	2,000,000	10,000,000	20,000,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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: High Med Low
EL 21

ELECTRIC SYSTEMS

PROJECT TITLE

66 kV System Sectionalizing Improvements

ACTIVITY

356000

CATEGORY

Transmission Plant

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000046

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	50,000	50,000	50,000	50,000	50,000	250,000	500,000
Equipment	50,000	50,000	50,000	50,000	50,000	250,000	500,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	100,000	100,000	100,000	100,000	100,000	500,000	1,000,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							111,000
<i>FY2022 Estimate</i>							93,000
Total							1,204,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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 22

ELECTRIC SYSTEMS

PROJECT TITLE Distribution Substation Equipment Replacement	ACTIVITY 362000	CATEGORY Electric Distribution System
DIVISION ELECTRIC SYSTEMS	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 8/1/2022		X
START CONSTRUCTION DATE 4/26/2023		
EXPECTED COMPLETION DATE	BUDGET CODE CPR1000052	

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							54,000
<i>FY2022 Estimate</i>							27,000
Total							1,081,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score: High Med Low
EL 23

ELECTRIC SYSTEMS

PROJECT TITLE

T/D Sub Differential and Back-Up Overcurrent Relay Replacement

ACTIVITY

345000

CATEGORY

Transmission Plant

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

8/1/2022

START CONSTRUCTION DATE

4/1/2023

BUDGET CODE

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	140,000	140,000	140,000	140,000	140,000	-	700,000
Personnel	10,000	10,000	10,000	10,000	10,000	-	50,000
Other	-	-	-	-	-	-	-
Total	150,000	150,000	150,000	150,000	150,000	-	750,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							750,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	150,000	150,000	150,000	150,000	150,000	-	750,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:



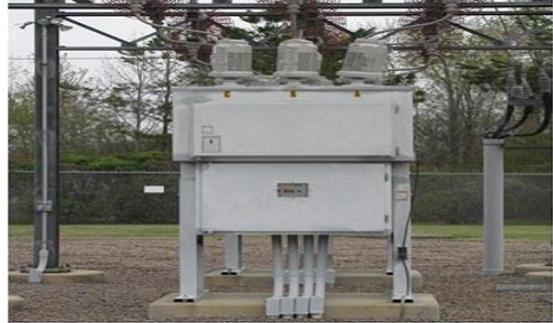
EL 24

ELECTRIC SYSTEMS

PROJECT TITLE Distribution Circuit Breaker Replacement	ACTIVITY 362000	CATEGORY Electric Distribution System
DIVISION ELECTRIC SYSTEMS	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 8/1/2022		X
START CONSTRUCTION DATE 4/26/2023		
EXPECTED COMPLETION DATE 6/30/2023	BUDGET CODE CPR1000050	

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	375,000	-	-	-	-	-	375,000
Personnel	25,000	-	-	-	-	-	25,000
Other	-	-	-	-	-	-	-
Total	400,000	-	-	-	-	-	400,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							234,000
<i>FY2022 Estimate</i>							191,000
Total							825,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	400,000	-	-	-	-	-	400,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	400,000	-	-	-	-	-	400,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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 25

ELECTRIC SYSTEMS

PROJECT TITLE T/D Sub 66 kV Power Transformer Protection Equipment Upgrade	ACTIVITY 362000	CATEGORY Electric Distribution System
DIVISION ELECTRIC SYSTEMS	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 7/1/2022		X
START CONSTRUCTION DATE 5/1/2023		
EXPECTED COMPLETION DATE	BUDGET CODE CPR1000218	

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	25,000	25,000	25,000	25,000	25,000	25,000	150,000
Construction	175,000	175,000	175,000	175,000	175,000	175,000	1,050,000
Equipment	175,000	175,000	175,000	175,000	175,000	175,000	1,050,000
Personnel	25,000	25,000	25,000	25,000	25,000	25,000	150,000
Other	-	-	-	-	-	-	-
Total	400,000	400,000	400,000	400,000	400,000	400,000	2,400,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							991,000
<i>FY2022 Estimate</i>							376,000
Total							3,767,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	400,000	400,000	400,000	400,000	400,000	400,000	2,400,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
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	400,000	2,400,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score: High Med Low
EL 26

ELECTRIC SYSTEMS

PROJECT TITLE T/D Substation Control Building Replacement	ACTIVITY 362000	CATEGORY Structures and Improvements
DIVISION ELECTRIC SYSTEMS	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 8/1/2022		X
START CONSTRUCTION DATE 2/1/2023		
EXPECTED COMPLETION DATE	BUDGET CODE CPR1000364	

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							235,000
Total							2,235,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	400,000	400,000	400,000	400,000	400,000	-	2,000,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score: High Med Low
EL 27

ELECTRIC SYSTEMS

PROJECT TITLE Distribution Substation 66-12 kV Power Transformer	ACTIVITY 362000	CATEGORY Electric Distribution System
DIVISION ELECTRIC SYSTEMS	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 7/1/2022		X
START CONSTRUCTION DATE 6/1/2023		
EXPECTED COMPLETION DATE	BUDGET CODE CPR1000384	

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	990,000	990,000	990,000	990,000	990,000	4,950,000	9,900,000
Personnel	10,000	10,000	10,000	10,000	10,000	50,000	100,000
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-FY2022 Exp (Rolling 3 Yr Avg)</i>							2,150,000
<i>FY2022 Estimate</i>							890,000
Total							13,040,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000	10,000,000
Total	1,000,000	1,000,000	1,000,000	1,000,000	1,000,000	5,000,000	10,000,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score: High Med Low
EL 28

ELECTRIC SYSTEMS

PROJECT TITLE
230-67kV Auto-Transformer

ACTIVITY
353000

CATEGORY
Transmission Plant

DIVISION
ELECTRIC SYSTEMS

PRIORITY

Score		Replacement	X
High	X	Expansion	
Medium		New	
Low		Renovation	

BID DATE 7/1/2022

START CONSTRUCTION DATE 6/30/2023

EXPECTED COMPLETION DATE

BUDGET CODE
CPR1000434

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	100,000	-	-	-	-	-	100,000
Construction	-	-	-	-	-	100,000	100,000
Equipment	2,400,000	-	-	-	-	3,100,000	5,500,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	2,500,000	-	-	-	-	3,200,000	5,700,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							5,700,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	2,500,000	-	-	-	-	3,200,000	5,700,000
Total	2,500,000	-	-	-	-	3,200,000	5,700,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score: High Med Low
EL 29

ELECTRIC SYSTEMS

PROJECT TITLE Black & Decker Substation Rebuild	ACTIVITY 362000	CATEGORY Electric Distribution System
DIVISION ELECTRIC SYSTEMS	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 9/1/2021		X
START CONSTRUCTION DATE 2/1/2022		
EXPECTED COMPLETION DATE 6/30/2023	BUDGET CODE CPR1000321	

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	25,000	-	-	-	-	-	25,000
Construction	100,000	-	-	-	-	-	100,000
Equipment	100,000	-	-	-	-	-	100,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	225,000	-	-	-	-	-	225,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							137,000
Total							362,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	225,000	-	-	-	-	-	225,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	225,000	-	-	-	-	-	225,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score: High Med Low
EL 30

ELECTRIC SYSTEMS

PROJECT TITLE

Cumberland Road 66 -12 kV Substation Rebuild

ACTIVITY

362000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

8/1/2022

START CONSTRUCTION DATE

2/1/2023

EXPECTED COMPLETION DATE

6/30/2023

BUDGET CODE

CPR1000471

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	50,000	25,000	-	-	-	-	75,000
Construction	700,000	75,000	-	-	-	-	775,000
Equipment	750,000	-	-	-	-	-	750,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	1,500,000	100,000	-	-	-	-	1,600,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							1,600,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	1,500,000	100,000	-	-	-	-	1,600,000
Total	1,500,000	100,000	-	-	-	-	1,600,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



EL 31

ELECTRIC SYSTEMS

PROJECT TITLE PO Hoffer 66-12 kV Substation Rebuild	ACTIVITY 362000	CATEGORY Structures and Improvements
DIVISION ELECTRIC SYSTEMS	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 8/1/2022		X
START CONSTRUCTION DATE 1/2/2023		
EXPECTED COMPLETION DATE 5/31/2023	BUDGET CODE CPR1000421	

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	150,000	25,000	-	-	-	-	175,000
Construction	850,000	75,000	-	-	-	-	925,000
Equipment	700,000	-	-	-	-	-	700,000
Personnel	50,000	-	-	-	-	-	50,000
Other	-	-	-	-	-	-	-
Total	1,750,000	100,000	-	-	-	-	1,850,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							1,850,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	1,750,000	100,000	-	-	-	-	1,850,000
Total	1,750,000	100,000	-	-	-	-	1,850,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score: High Med Low
EL 32

ELECTRIC SYSTEMS

PROJECT TITLE FTI 66-12 kV Substation Rebuild and Relocation	ACTIVITY 362000	CATEGORY Structures and Improvements
DIVISION ELECTRIC SYSTEMS	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 8/1/2024		X
START CONSTRUCTION DATE 1/2/2025		
EXPECTED COMPLETION DATE 10/30/2025	BUDGET CODE CPR1000420	

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							3,750,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score: High Med Low
EL 33

ELECTRIC SYSTEMS

PROJECT TITLE

POD IV 230-66 kV Substation

ACTIVITY

353000

CATEGORY

Transmission Plant

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000064

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							1,432,000
<i>FY2022 Estimate</i>							-
Total							17,407,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



EL 34

ELECTRIC SYSTEMS

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

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	2,500,000	2,500,000
Construction	-	-	-	-	-	10,000,000	10,000,000
Equipment	-	-	-	-	-	12,300,000	12,300,000
Personnel	-	-	-	-	-	200,000	200,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	25,000,000	25,000,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							22,000
<i>FY2022 Estimate</i>							-
Total							25,022,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	25,000,000	25,000,000
Total	-	-	-	-	-	25,000,000	25,000,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score: High Med Low
EL 35

ELECTRIC SYSTEMS

PROJECT TITLE

POD I 230 kV Switch Replacement

ACTIVITY

356000

CATEGORY

Transmission Plant

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

7/15/2022

START CONSTRUCTION DATE

3/1/2023

EXPECTED COMPLETION DATE

5/31/2023

BUDGET CODE

CPR1000472

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							250,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	250,000	-	-	-	-	-	250,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	250,000	-	-	-	-	-	250,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:



EL 36

ELECTRIC SYSTEMS

PROJECT TITLE
ROW Additions Distribution

ACTIVITY
360000

CATEGORY
Land and Land Rights

DIVISION
ELECTRIC SYSTEMS

PRIORITY
Score
High
Medium
Low

TYPE PROJECT	
Replacement	
Expansion	X
New	
Renovation	

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE
CPR1000210

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							69,000
<i>FY2022 Estimate</i>							27,000
Total							1,596,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score: High Med Low
EL 37

ELECTRIC SYSTEMS

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

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							225,000
Total							4,925,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score:



EL 38

ELECTRIC SYSTEMS

PROJECT TITLE

Downtown UG Infrastructure Reliability Improvements

ACTIVITY

367000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

4/30/2024

BUDGET CODE

CPR1000251

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	200,000	-	-	-	-	-	200,000
Engineering	-	-	-	-	-	-	-
Construction	100,000	100,000	-	-	-	-	200,000
Equipment	200,000	350,000	-	-	-	-	550,000
Personnel	200,000	300,000	-	-	-	-	500,000
Other	-	-	-	-	-	-	-
Total	700,000	750,000	-	-	-	-	1,450,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							202,000
Total							1,652,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	700,000	750,000	-	-	-	-	1,450,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	700,000	750,000	-	-	-	-	1,450,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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:



EL 39

ELECTRIC SYSTEMS

PROJECT TITLE

Underground Distribution / Streetscape Improvement

ACTIVITY

367000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000072

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							500,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	50,000	50,000	50,000	50,000	50,000	250,000	500,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score: High Med Low
EL 40

ELECTRIC SYSTEMS

PROJECT TITLE

CoF Langdon St Widening Project

ACTIVITY

364000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	
Expansion	X
New	
Renovation	X

BID DATE

10/1/2023

START CONSTRUCTION DATE

1/2/2024

EXPECTED COMPLETION DATE

4/1/2024

BUDGET CODE

CPR1000076

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							300,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	300,000	-	-	-	-	300,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	300,000	-	-	-	-	300,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



EL 41

ELECTRIC SYSTEMS

PROJECT TITLE

CoF Person St 300 - 600 Block Streetscape Improvement

ACTIVITY

367000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	_____
Expansion	_____
New	_____
Renovation	_____ X

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							1,650,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	1,650,000	1,650,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	1,650,000	1,650,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:

High	Med	Low
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EL 42

ELECTRIC SYSTEMS

PROJECT TITLE DMS Software and Implementation	ACTIVITY 306000	CATEGORY Inhouse Computer System
DIVISION ELECTRIC SYSTEMS	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE		
START CONSTRUCTION DATE 9/1/2022		
EXPECTED COMPLETION DATE 6/30/2024	BUDGET CODE CPR1000432	

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	700,000	500,000	-	-	-	-	1,200,000
Personnel	150,000	125,000	-	-	-	-	275,000
Other	-	-	-	-	-	-	-
Total	850,000	625,000	-	-	-	-	1,475,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							820,000
Total							2,295,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	850,000	625,000	-	-	-	-	1,475,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	850,000	625,000	-	-	-	-	1,475,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score: High Med Low
EL 43

ELECTRIC SYSTEMS

PROJECT TITLE T/D SCADA System Replacement	ACTIVITY 306000	CATEGORY SCADA Masters
DIVISION ELECTRIC SYSTEMS	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 10/1/2022		X
START CONSTRUCTION DATE 2/1/2023		
EXPECTED COMPLETION DATE 6/30/2023	BUDGET CODE CPR1000520	

PROJECT DESCRIPTION & JUSTIFICATION

The purpose of this project is to replace the legacy Advanced Control Systems Supervisory Control and Data Acquisition (SCADA) system with a state-of-the-art feature -rich system that seamlessly integrate with PWC's existing Outage Management System (OMS) and Advanced Distribution Management System (ADMS). Currently the status and control functionality between the SCADA and OMS systems is linked by an Inter-Control Center Communications Protocol (ICCP) interface which is problematic when attempting to implement advanced ADMS features. This feature-rich system will provide for high-performance real-time graphical schematics of power systems and substations, automatic calculation of statistics on device performance and effectively supports effective alarm processing, load shedding / restoration.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	725,000	-	-	-	-	-	725,000
Personnel	25,000	-	-	-	-	-	25,000
Other	-	-	-	-	-	-	-
Total	750,000	-	-	-	-	-	750,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							750,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	750,000	-	-	-	-	-	750,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	750,000	-	-	-	-	-	750,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score: High Med Low
EL 44

ELECTRIC SYSTEMS

PROJECT TITLE Gas Turbine #4 Generator Step Up Transformer Replacement	ACTIVITY 350000	CATEGORY Generation Plant
DIVISION ELECTRIC SYSTEMS	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 8/1/2022		X
START CONSTRUCTION DATE 6/1/2023		
EXPECTED COMPLETION DATE 6/30/2023	BUDGET CODE CPR1000516	

PROJECT DESCRIPTION & JUSTIFICATION

Gas Turbine #4 Generator Step-Up Transformer is over 50 years old and the most recent electrical test results indicate that the low-side winding are beginning to fail. Replacement of this unit will help ensure reliability of the Butler-Warner Generator Plant when dispatched by Duke Energy Progress.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	5,000	-	-	-	-	-	5,000
Construction	20,000	-	-	-	-	-	20,000
Equipment	975,000	-	-	-	-	-	975,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	1,000,000	-	-	-	-	-	1,000,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							1,000,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	1,000,000	-	-	-	-	-	1,000,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	1,000,000	-	-	-	-	-	1,000,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score: High Med Low
EL 45

ELECTRIC SYSTEMS

PROJECT TITLE Steam Turbine Generator Exciter Replacement	ACTIVITY 315500	CATEGORY Generation Plant
DIVISION ELECTRIC SYSTEMS	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 8/1/2022		X
START CONSTRUCTION DATE 11/1/2022		
EXPECTED COMPLETION DATE 1/15/2023	BUDGET CODE CPR1000517	

PROJECT DESCRIPTION & JUSTIFICATION

The Steam Turbine Generator Exciter is over 30 years old. The most recent failure resulted in a forced outage. Replacing the exciter will improve reliability and will help PWC meet the Delivery Performance Factor in the current Duke Energy- Progress contract as PWC attempts to achieve the full demand credit through CY-2032.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	-	-	-	-	-	-	-
Equipment	500,000	-	-	-	-	-	500,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	500,000	-	-	-	-	-	500,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							500,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	500,000	-	-	-	-	-	500,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	500,000	-	-	-	-	-	500,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score: High Med Low
EL 46

ELECTRIC SYSTEMS

PROJECT TITLE Battery Storage	ACTIVITY 363000	CATEGORY Generation Plant
DIVISION ELECTRIC SYSTEMS	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE		
START CONSTRUCTION DATE		
EXPECTED COMPLETION DATE 8/1/2022	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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	-	-	-	-	-
Construction	50,000	-	-	-	-	-	50,000
Equipment	-	-	-	-	-	-	-
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	50,000	-	-	-	-	-	50,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							431,000
<i>FY2022 Estimate</i>							2,500,000
Total							2,981,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	50,000	-	-	-	-	-	50,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	50,000	-	-	-	-	-	50,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

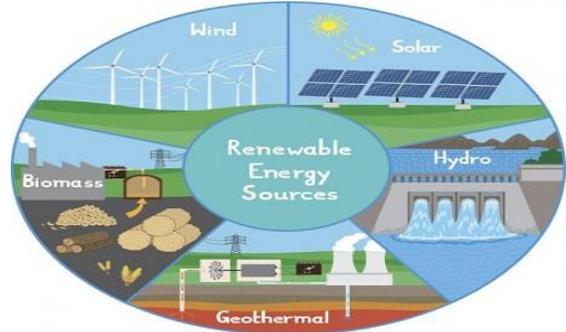
*Priority Score: High Med Low
EL 47

ELECTRIC SYSTEMS

PROJECT TITLE Renewable Resource Development	ACTIVITY 363000	CATEGORY Generation Plant
DIVISION ELECTRIC SYSTEMS	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 7/1/2022		X
START CONSTRUCTION DATE 2/1/2023		
EXPECTED COMPLETION DATE 6/30/2024	BUDGET CODE CPR1000469	

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	5,000,000	-	-	-	-	-	5,000,000
Engineering	-	-	-	-	-	-	-
Construction	2,000,000	1,500,000	-	-	-	-	3,500,000
Equipment	11,000,000	1,500,000	-	-	-	-	12,500,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	18,000,000	3,000,000	-	-	-	-	21,000,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							119,000
<i>FY2022 Estimate</i>							1,127,000
Total							22,246,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	18,000,000	3,000,000	-	-	-	-	21,000,000
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	18,000,000	3,000,000	-	-	-	-	21,000,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score: High Med Low
EL 48

ELECTRIC SYSTEMS

PROJECT TITLE Community Solar - Sally Hill 2 MW	ACTIVITY 341000	CATEGORY Generation Plant
DIVISION ELECTRIC SYSTEMS	PRIORITY Score High Medium Low	TYPE PROJECT Replacement Expansion New Renovation
BID DATE 10/1/2022		X
START CONSTRUCTION DATE 5/1/2023		
EXPECTED COMPLETION DATE 5/1/2024	BUDGET CODE CPR1000519	

PROJECT DESCRIPTION & JUSTIFICATION

Phase II of the Community Solar Project will enable PWC to offer its customers an opportunity to participate in a large-scale solar generation project without the capital investment that would be required for a rooftop solar installation. It will also offer the opportunity to realize some of the savings associated with a large-scale solar project to a wider range of PWC customers who are not property owners. This Project is to be constructed on the Sally Hill 230-66 kV Delivery Point property on US301 at the southern boundary of our electric service territory.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	-	-
Engineering	-	-	50,000	-	-	-	50,000
Construction	-	-	125,000	625,000	-	-	750,000
Equipment	-	-	1,000,000	3,750,000	-	-	4,750,000
Personnel	-	-	-	-	-	-	-
Other	-	-	-	-	-	-	-
Total	-	-	1,175,000	4,375,000	-	-	5,550,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							5,550,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	1,175,000	4,375,000	-	-	5,550,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	1,175,000	4,375,000	-	-	5,550,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score: High Med Low
EL 49

ELECTRIC SYSTEMS

PROJECT TITLE

NCDOT U-5015 Murchison Road Improvement

ACTIVITY

364000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	500,000	500,000
Engineering	-	-	-	-	-	400,000	400,000
Construction	-	-	-	-	-	600,000	600,000
Equipment	-	-	-	-	-	500,000	500,000
Personnel	-	-	-	-	-	50,000	50,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,050,000	2,050,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							2,050,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	2,050,000	2,050,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,050,000	2,050,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



EL 50

ELECTRIC SYSTEMS

PROJECT TITLE

Bragg Boulevard Gateway Improvement - Phase II

ACTIVITY

364000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							2,300,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	2,300,000	2,300,000
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	-	-
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,300,000	2,300,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



EL 51

ELECTRIC SYSTEMS

PROJECT TITLE

NCDOT U-5798B Gillis Hill Road Widening

ACTIVITY

364000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
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).



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							2,700,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score: High Med Low
EL 52

ELECTRIC SYSTEMS

PROJECT TITLE

NCDOT U-4403B Ramsey Street Widening

ACTIVITY

364000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							7,150,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
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

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



EL 53

ELECTRIC SYSTEMS

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



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	1,300,000	1,300,000
Engineering	-	-	-	-	-	2,950,000	2,950,000
Construction	-	-	-	-	-	12,750,000	12,750,000
Equipment	-	-	-	-	-	12,750,000	12,750,000
Personnel	-	-	-	-	-	300,000	300,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	30,050,000	30,050,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							30,050,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	30,050,000	30,050,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	30,050,000	30,050,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score: High Med Low
EL 54

ELECTRIC SYSTEMS

PROJECT TITLE

NCDOT U-4900 Murchison Road Widening

ACTIVITY

364000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	200,000	200,000	-	-	-	400,000
Engineering	100,000	500,000	350,000	-	-	-	950,000
Construction	-	500,000	1,000,000	-	-	-	1,500,000
Equipment	-	500,000	1,000,000	-	-	-	1,500,000
Personnel	-	50,000	50,000	-	-	-	100,000
Other	-	-	-	-	-	-	-
Total	100,000	1,750,000	2,600,000	-	-	-	4,450,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							4,450,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	100,000	1,750,000	2,600,000	-	-	-	4,450,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	100,000	1,750,000	2,600,000	-	-	-	4,450,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-						

*Priority Score: High Med Low
EL 55

ELECTRIC SYSTEMS

PROJECT TITLE

NCDOT U-5101 Stacey Weaver Drive Widening

ACTIVITY

364000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

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).



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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	-	-	-	-	-	200,000	200,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	7,875,000	7,875,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							7,875,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	7,875,000	7,875,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	7,875,000	7,875,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



EL 56

ELECTRIC SYSTEMS

PROJECT TITLE
NCDOT U-4404 Cliffdale Road Widening

ACTIVITY
364000

CATEGORY
Electric Distribution System

DIVISION
ELECTRIC SYSTEMS

PRIORITY

Score		Replacement	X
High		Expansion	
Medium		New	
Low	X	Renovation	

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE
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).



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	500,000	500,000
Engineering	-	-	-	-	-	1,000,000	1,000,000
Construction	-	-	-	-	-	1,750,000	1,750,000
Equipment	-	-	-	-	-	1,750,000	1,750,000
Personnel	-	-	-	-	-	200,000	200,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	5,200,000	5,200,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							5,200,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	5,200,000	5,200,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	5,200,000	5,200,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score: High Med Low
EL 57

ELECTRIC SYSTEMS

PROJECT TITLE

NCDOT U-6133 Cliffdale Road / Skibo Road Intersection Improvement

ACTIVITY

364000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

CPR1000463

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	350,000	350,000
Engineering	-	-	-	-	-	700,000	700,000
Construction	-	-	-	-	-	475,000	475,000
Equipment	-	-	-	-	-	475,000	475,000
Personnel	-	-	-	-	-	100,000	100,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,100,000	2,100,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							2,100,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	2,100,000	2,100,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,100,000	2,100,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score: High Med Low
EL 58

ELECTRIC SYSTEMS

PROJECT TITLE

NCDOT U-6209 Cliffdale Road Widening

ACTIVITY

364000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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	-	-	-	-	-	100,000	100,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	4,050,000	4,050,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							4,050,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	4,050,000	4,050,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	4,050,000	4,050,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score:



EL 59

ELECTRIC SYSTEMS

PROJECT TITLE

NCDOT U-6213 Ireland Drive Widening

ACTIVITY

364000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	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	-	-	-	-	-	100,000	100,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	3,350,000	3,350,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							3,350,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	3,350,000	3,350,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	3,350,000	3,350,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score: High Med Low
EL 60

ELECTRIC SYSTEMS

PROJECT TITLE

NCDOT U-6152 Robeson Street Access Management

ACTIVITY

364000

CATEGORY

Electric Distribution System

DIVISION

ELECTRIC SYSTEMS

PRIORITY

Score
High
Medium
Low

TYPE PROJECT

Replacement	X
Expansion	
New	
Renovation	

BID DATE

START CONSTRUCTION DATE

EXPECTED COMPLETION DATE

BUDGET CODE

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.



	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Expenses							
Land	-	-	-	-	-	150,000	150,000
Engineering	-	-	-	-	-	800,000	800,000
Construction	-	-	-	-	-	650,000	650,000
Equipment	-	-	-	-	-	650,000	650,000
Personnel	-	-	-	-	-	100,000	100,000
Other	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,350,000	2,350,000
<i>Pre-FY2022 Exp (Rolling 3 Yr Avg)</i>							-
<i>FY2022 Estimate</i>							-
Total							2,350,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Funding Source							
Electric Fund	-	-	-	-	-	-	-
Water/Sewer Fund	-	-	-	-	-	-	-
Bonds	-	-	-	-	-	-	-
Reserve	-	-	-	-	-	-	-
NCDOT	-	-	-	-	-	-	-
NC State Loan Fund	-	-	-	-	-	-	-
Annex V Reserve	-	-	-	-	-	-	-
Participation	-	-	-	-	-	2,350,000	2,350,000
REPS	-	-	-	-	-	-	-
Hurricane Matthew CPF	-	-	-	-	-	-	-
Substation Rebuild CPF	-	-	-	-	-	-	-
Total	-	-	-	-	-	2,350,000	2,350,000

	FY2023	FY2024	FY2025	FY2026	FY2027	FY28-32	Total
Impact on Operating Budget							
New Personnel	-	-	-	-	-	-	-
Operating/Maintenance	-	-	-	-	-	-	-
Capital Outlays	-	-	-	-	-	-	-
New Revenue	-	-	-	-	-	-	-
Total	-	-	-	-	-	-	-

*Priority Score: High Med Low
EL 61





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