

APPENDIX F
WASTEWATER ENTERPRISE FUND

**WasteWater 2025 Budget
Projection for FY 24 - FY 33**

	Estimate 2023-24	Budget 2024-25	Estimate 2025-26	Estimate 2026-27	Estimate 2027-28	Revenue Projection					Estimate 2032-33
						Estimate 2028-29	Estimate 2029-30	Estimate 2030-31	Estimate 2031-32	Estimate	
Service Charges	2,419,792	2,677,137	2,798,813	3,323,730	3,474,794	3,632,723	4,387,785	4,587,210	4,795,698	5,013,663	
Connection Fees	\$70,000	\$70,000	\$70,000	\$70,000	\$70,000	\$70,000	\$70,000	\$70,000	\$70,000	\$70,000	
Miscellaneous Revenue	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	
Cumberland O & M	290,250	334,703	344,744	355,086	365,739	376,711	388,012	399,653	411,642	423,992	
Cumberland Reimbursement, Capital Spending	148,007	272,890	58,883	49,972	45,000	52,500	52,500	25,500	7,500	7,500	
Cumberland Reimbursement, plant upgrade	137,782	135,352	132,922	130,492	145,454	144,122	142,790	180,000	180,000	180,000	
Cumberland Reimbursement, Mill Creek	150,783	149,451	148,119	146,786	268,800	266,560	264,320	141,457	140,125	139,085	
Cumberland Reimbursement, Upper Mill Creek			84,000	84,000		50,000	88,000	262,080	259,840	257,600	
Cumberland Reimbursement, Johnson Rd. Pump Sta.			-				87,200	87,200	86,400	85,600	
Projected Revenue after rate change	\$3,266,615	\$3,689,533	\$3,687,480	\$4,210,067	\$4,419,787	\$4,642,616	\$5,443,407	\$5,803,100	\$6,001,206	\$6,227,439	
				Expense projection							
Expense (excluding Capital Transfer)	2,052,678	2,224,758	2,291,501	2,360,246	2,431,053	2,503,985	2,579,104	2,656,477	2,736,172	2,818,257	
Plus: Capital Spending	583,000	1,176,000	721,000	483,000	353,000	433,000	283,000	293,000	233,000	296,103	
Plus: Debt											
Plant Upgrade	362,585	356,189	349,794	343,399	-	-	-	600,000	600,000	600,000	
Mill Creek Debt Service	289,968	287,406	284,844	282,282	279,720	277,158	274,596	272,034	269,472	267,472	
West Falmouth Phase 1 Debt Service	-	409,500	405,275	401,050	396,825	392,600	388,375	384,150	379,925	375,700	
West Falmouth - Lunt Road Debt Service	-	-	-	480,000	476,000	472,000	468,000	464,000	460,000	456,000	
Upper Mill Creek Debt Service	-	-	150,000	150,000	480,000	476,000	472,000	468,000	464,000	460,000	
Johnson Road Pump Station Upgrade	-	-	-	-	-	125,000	220,000	218,000	216,000	214,000	
East Falmouth Phase 1	-	-	-	300,000	300,000	300,000	300,000	300,000	300,000	300,000	
East Falmouth Phase 2	-	-	-	-	-	-	300,000	300,000	300,000	300,000	
Total Expenses	\$3,288,231	\$4,453,853	\$4,202,414	\$4,799,977	\$4,716,598	\$4,979,743	\$5,285,075	\$5,955,661	\$5,958,569	\$6,087,532	
Total Enterprise Fund Change	(21,616)	(764,321)	(514,934)	(589,910)	(296,811)	(337,127)	158,331	(152,562)	42,637	139,908	
CIP Fund Balance	\$4,005,270	\$3,240,949	\$2,726,016	\$2,136,106	\$1,839,294	\$1,502,168	\$1,660,499	\$1,507,937	\$1,550,574	\$1,690,482	
Operating Fund Balance	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	\$225,000	
Total Enterprise Fund Balance	\$4,230,270	\$3,465,949	\$2,951,016	\$2,361,106	\$2,064,294	\$1,727,168	\$1,885,499	\$1,732,937	\$1,775,574	\$1,915,482	
Monthly Rate	\$ 49.73	\$ 54.21	\$ 55.83	\$ 65.32	\$ 67.28	\$ 69.30	\$ 82.47	\$ 84.94	\$ 87.49	\$ 90.12	
Rate Increase %	3.0%	9.0%	3.0%	17.0%	3.0%	3.0%	19.0%	3.0%	0.0%	3.0%	

DEPARTMENT: Wastewater; Falmouth Enterprise Fund 040

Account Number	Account Name	Actual 2020-21	Actual 2021-22	Actual 2022-23	Budget 2023-24	Proposed Budget 2024-25	FY25 Bud vs FY24 Bud	Notes
201	PUMP STATIONS AND LINES	971,496	1,109,846	1,087,723	1,113,197	1,169,772	56,575	Falmouth users 100 %
201-1	ADMINISTRATION	577,892	592,624	588,218	588,765	968,699	379,934	Falmouth users 100%, Includes new WF Phase 1 debt
Combined Falmouth / Cumberland cost centers, shared based on flow contributions								
202	TREATMENT PLANT	436,424	497,563	509,051	588,972	669,841	80,869	Falmouth users approx. 77%
202-1	PUMP STATIONS	41,701	70,551	37,472	85,325	97,566	12,241	Falmouth users approx. 57 %
202-2	SLUDGE HANDLING	147,930	165,361	216,285	311,576	315,857	4,281	Falmouth users approx. 77%
202-3	ADMINISTRATION	126,733	170,349	235,065	268,678	289,899	21,221	Falmouth users approx. 77%
DEPARTMENT TOTAL		2,302,176	2,606,294	2,673,814	2,956,512	3,511,634	555,121	18.8%
LABOR & BENEFITS								
4010	FULL-TIME SALARIES	592,437	662,521	685,468	785,680	819,172	33,492	Funding for labor portion of the activities that serve the combined Falmouth / Cumberland system.
4015	ANNIVERSARY AWARD	0	0	0	0	5,959	5,959	Funds Town anniversary award for years of service, historic expenditures included in full time salaries above
4020	PART TIME SALARIES	0	0	0	0	0	0	Inactive
4030	OVERTIME	34,206	27,094	37,590	62,600	70,720	8,120	Funding for overtime labor weekends and off hours for non - exempt employees.
4050	HEALTH INSURANCE	109,196	122,371	122,851	144,763	158,894	14,131	Department's share of employer's health insurance premiums.
4060	RETIREMENT	60,558	65,732	69,844	73,705	77,396	3,691	Department's share of employer retirement contributions. FY22 included salary for unfilled position but not retirement
4061	RETIREMENT HEALTH	7,000	6,833	7,298	7,796	8,192	396	Department share of health saving plan
4070	SOCIAL SECURITY	52,834	50,870	54,528	64,395	68,533	4,138	Department's share of employer Social Security.
4080	GROUP INSURANCE	59	64	64	100	100	0	Employer's share of the group life insurance.
4090	INCOME PROTECTION	2,780	2,573	2,774	2,500	2,500	0	Employer's share of the income protection insurance cost.
4100	WORKER'S COMPENSATION	9,374	9,736	11,876	12,923	12,697	-226	Funding for Worker's Compensation insurance based on the department's specific payroll, based on manual rate and the Town's experience rate.
4110	UNEMPLOYMENT COMPENSATION	0	0	0	800	800	0	Generally inactive, represents roughly 10% of Town unemployment charges
SERVICES								
5010	POSTAGE	554	678	804	730	730	0	Postage and maintenance costs on the town hall mail equipment.
5020	TELEPHONE	1,481	2,226	2,271	2,165	2,165	0	Department's prorated share of town wide telephone expenses.
5030	TRANSPORTATION	0	0	0	250	250	0	Employer's cost reimbursement for use of personal vehicle.
5040	EDUCATION/MEETINGS	1,356	2,524	6,847	6,315	6,315	0	Cost for meetings and seminars, primarily required training to maintain employee certifications.
5070	MAPS/BLUEPRINTS	26	0	0	200	200	0	Funds for plan copies and updated tax maps.
5080	LEGAL/ADVERTISING	460	0	174	4,450	4,450	0	Public notices and advertising costs.
5100	BUILDING/CONTENTS	22,353	24,635	24,219	26,500	26,500	0	Department's share of vehicle and property insurance.

Line Item Budget Request Justification

DEPARTMENT: Wastewater; Falmouth Enterprise Fund 040

Account Number	Account Name	Actual 2020-21	Actual 2021-22	Actual 2022-23	Budget 2023-24	Proposed Budget 2024-25	FY25 Bud vs FY24 Bud	Notes
5200	ELECTRICITY	139,551	151,278	156,686	149,254	210,700	61,446	Funds for electric cost for the treatment plant and 33 pump stations. Annual costs may vary due to flow levels. Benefit of Solar array preferred to Falmouth only users
5220	WATER	1,640	1,426	1,052	1,850	1,850	0	Funds for potable water cost from the Portland Water District.
5230	FUEL OIL	10,889	24,746	19,672	26,000	26,000	0	Funds for natural gas and standby generator fuel cost at the treatment plant and pumps stations.
5300	MACHINES/EQUIPMENT	19,167	21,762	23,626	22,455	39,250	16,795	Funds for outside vendor cost related to maintenance of plant and pump station equipment such as generator preventive maintenance, specialized maintenance tasks/calibrations. Included Eco-Maine costs here (removed from Acct 5490)
5310	VEHICLE MAINTENANCE	5,035	2,180	1,915	5,830	5,830	0	Preventive and breakdown maintenance cost for 4 department pick-ups and sewer cleaning machine.
5320	SEWER LINE MAINTENANCE	870	71,064	19,644	17,000	30,000	13,000	Hired vendor cost for sewer cleaning, inspection, or repairs. Historically overspent, planning contracted MH repairs
5330	RADIO/RADAR MAINTENANCE	0	0	0	470	0	-470	DELETE Account - no longer used
5400	LEGAL SERVICES	22,990	17,837	10,771	14,700	14,700	0	Funds for legal assistance related to ordinance, right of way, questions. Research easement status this year.
5410	COMPUTER SERVICES	8,618	45,779	49,353	58,894	59,000	106	Funds for a prorated share of maintenance agreements for software, internet service, IT support services and funds fiber optic link to network servers. IT allocation = \$41,200. Includes costs for new Cartegraph system.
5430	AUDIT	832	2,051	5,430	4,500	5,500	1,000	Funds for the prorated share of the annual Town audit.
5450	SAFETY SERVICES	2,646	1,709	4,486	2,790	3,540	750	Funds vendor cost for mandated safety training.
5490	OTHER PROFESSIONAL SERVICES	10,475	9,985	36,296	29,420	19,920	-9,500	Funds for outside engineering and technical assistance. Including services for Cartegraph/asset management training. Removed Eco-Maine costs (moved to Acct 5300)
5491	LABORATORY MONITORING	6,768	9,838	10,917	20,715	20,715	0	Hired vendor cost for lab testing for discharge compliance monitoring.
5500	MAINTENANCE/BUILDINGS	8,417	29,686	27,940	8,800	20,000	11,200	Funds for vendor cost for fabrication, electrical work, and specialized maintenance work on department buildings. Historically overspent
5610	EQUIPMENT RENTAL	69	270	2,425	3,000	3,000	0	Funds for rental of small equipment.
5620	UNIFORM RENTALS	2,924	4,138	3,913	4,600	6,500	1,900	Rental cost and cleaning of work uniforms for the operations crew.
5900	BIOSOLIDS MANAGEMENT	94,790	107,636	165,980	224,637	225,000	363	Funds for contract disposal of plant sludge, annual variance due to fluctuations in volume of material for disposal.
5930	PUMP STATION ALARMS	5,336	5,481	5,677	6,600	0	-6,600	DELETE Account - alarms covered under Acct 5980
5980	PUMP STATION MAINTENANCE	24,073	17,988	17,166	27,300	33,900	6,600	Funds for vendor cost for maintenance activities at pump stations, including emergency pumping, routine cleaning, and alarms.
COMMODITIES								
6010	OFFICE SUPPLIES	610	3,757	1,682	700	1,700	1,000	Funds for miscellaneous office supplies, paper, pens, record keeping. Historically overspent
6015	COMPUTER FORMS/SUPPLIES	25	330	304	290	290	0	Computer and printer supplies
6100	MAINTENANCE MACHINES/EQUIPMENT	8,000	24,164	31,561	20,500	20,500	0	Funds for spare and replacement mechanical parts for treatment plant.
6110	VEHICLE MAINTENANCE	6,427	4,971	3,479	3,200	3,200	0	Funds for parts cost for the three department pick ups.

DEPARTMENT: Wastewater; Falmouth Enterprise Fund 040

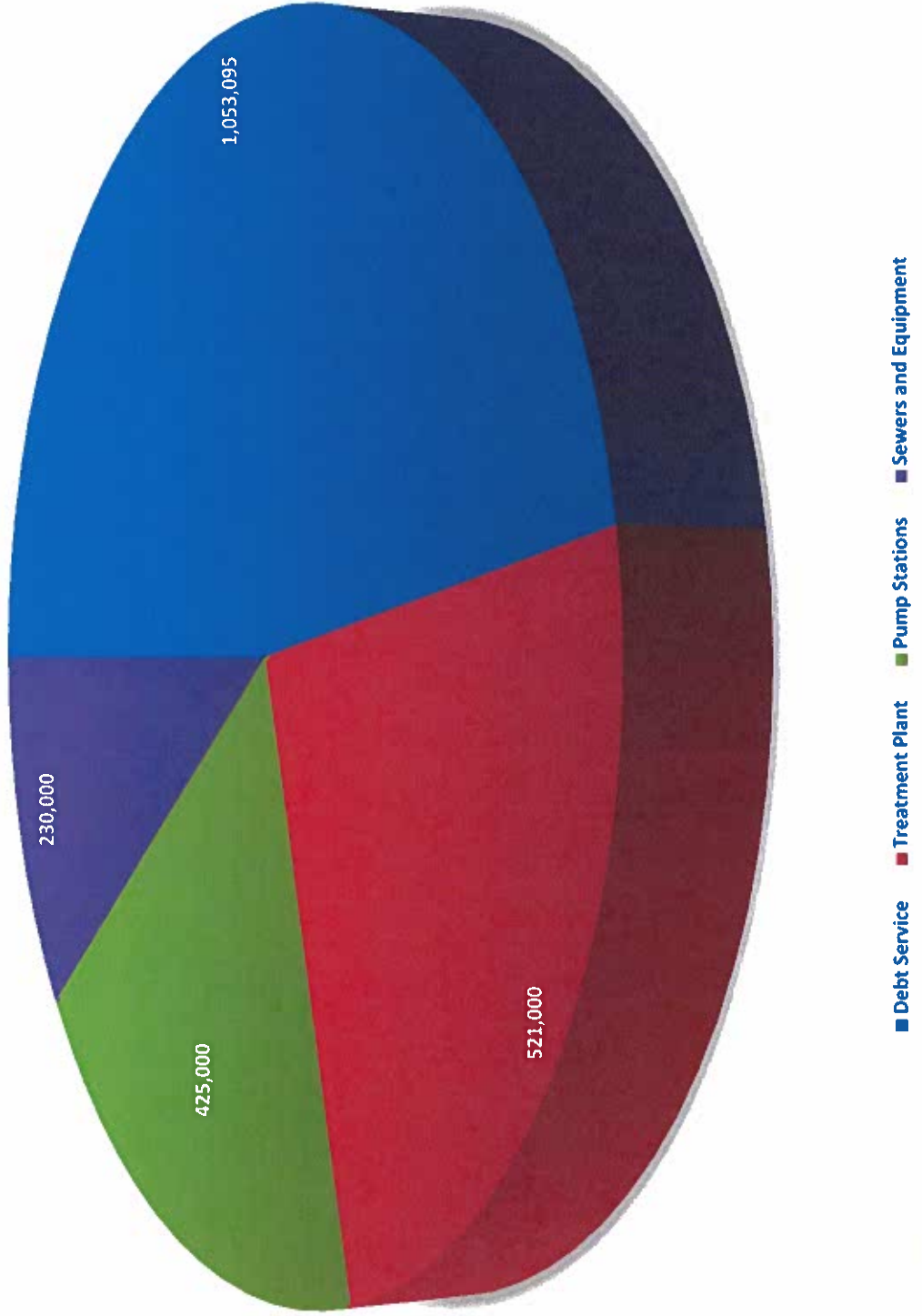
Account Number	Account Name	Actual 2020-21	Actual 2021-22	Actual 2022-23	Budget 2023-24	Proposed Budget 2024-25	FY25 Bud vs FY24 Bud	Notes
6130	MOTOR FUEL/LUBRICANTS	7,601	7,409	10,543	14,000	14,000	0	Fuel cost for the department vehicles, 3 pickup trucks, sewer cleaning machine, and small equipment.
6210	SALT / DEICING CHEMICALS	0	0	0	500	0	-500	DELETE Account - no longer used
6300	SEWER MAINTENANCE SUPPLIES	1,875	12,384	4,141	3,300	4,500	1,200	Funds for supplies for the sewer system, grade rings and manhole covers, jetter parts, for example.
6320	PLANT MAINTENANCE SUPPLIES	70	208	124	100	0	-100	DELETE Account - no longer used
6330	PUMP MAINTENANCE SUPPLIES	59	0	0	150	0	-150	DELETE Account - no longer used
6340	LABORATORY SUPPLIES	11,191	12,976	10,906	12,000	12,000	0	Funds for lab materials, chemicals, and equipment.
6400	BUILDING/GROUNDS MAINT/SUPPLIES	9,125	7,141	3,146	6,750	6,750	0	Building and grounds maintenance supplies for pump station building and treatment plant, minor repairs, painting supplies, minor electrical work.
6450	CHEMICALS	42,064	50,611	63,854	74,000	74,000	0	Funds for disinfection, dechlorination, and sludge dewatering chemicals. Increases in costs to disinfectant, dechlorination and polymer.
6520	SAFETY EQUIPMENT	2,650	3,674	2,811	3,440	3,440	0	Required portable and fixed safety equipment, gas detection, harnesses, confined space gear, personal protective gear.
6930	PUMPING STATION ALARMS	0	0	2,039	1,200	0	-1,200	DELETE Account - alarms covered under Act 6980
6980	PUMP STATION MAINT/SUPPLIES	14,259	20,604	27,353	22,000	25,400	3,400	Funds for spare and replacement parts for pump stations equipment and alarms. Historically overspent
CAPITAL CONTRIBUTIONS								
7010	TRANSFER TO CAPITAL	250,000	250,000	250,000	250,000	250,000	0	Annual budget contribution to department capital reserve fund.
7015	TRANSFER TO EQUIPMENT RESERVE	0	0	0	0	0	0	Combined Falmouth & Cumberland contribution to shared reserve fund.
7025	TRANSFER TO CAPITAL RESERVE	0	0	0	0	0	0	2016-17 transfer to reduce borrowing at Mill Creek and roundabout sewer work, FY 18 amount should have been
7030	TRANSFER TO COMPUTER RESERVE	0	0	0	0	0	0	Inactive, now included within 7010 transfer
7550	IMPROVEMENTS BUILDINGS/GROUNDS	0	0	0	0	0	0	Inactive, now included within 7570 sewer rehabilitation
7570	SEWER REHABILITATION	0	0	0	50,000	50,000	0	This account funds annual routine rehab work in the sewer system serving only Falmouth
DEBT								
8050	IMPROVEMENTS	324,000	324,000	324,000	324,000	642,000	318,000	This account funds the repayment of the bond bank loan for the 2008 plant upgrade (retires in FY27). New West Falmouth Improvements Debt Principal starting in FY25..
8200	BOND/NOTE INTEREST	57,773	51,377	44,981	38,585	98,189	59,604	This account funds the interest cost for the 2008 plant upgrade loan (retires in FY27). New West Falmouth Improvements Debt Interest starting in FY25.
8400	PWD ASSESSMENT	15,412	17,384	17,248	15,861	18,000	2,139	Funds for the department's cost for sewer billing and collection services by Portland Water District.
8450	PWD MILLCREEK LOAN SERVICE	291,271	312,593	286,185	291,249	296,687	5,438	Funds for the principal & interest cost for the 2016 loan for Mill Creek

WASTEWATER FY25 PROPOSED CAPITAL BUDGET

Falmouth Total FY25 \$ 1,699,897
 Cumberland Total FY25 \$ 529,198
 Total FY25 \$ 2,229,095

Cost center	FY 2025	Fund	Notes
Treatment Plant			
Plant equipment replacement - General	\$20,000		General replacement of pumps and equipment at the treatment plant due to unexpected failure
Replace Outfall Headwall	\$150,000		Replace existing Outfall headwall which is being undermined
IT Allocation	\$51,000		Contribution to Town computer/software/network replacement at the WWTF
Rolling equipment storage / garage	\$300,000		Proposed garage / storage building for vehicles and equipment
Total	\$521,000		
Johnson Road Pump Station			
Total	\$0		
Mill Creek Pump Station			
IT Allocation	\$35,000		Contribution to Town computer/software/network replacement at Mill Creek PS
Total	\$35,000		
Mill Creek Interceptor Sewer			
Final Design of New Pump Station	\$100,000		Proposal initiates final design of new pump station at the head of Mill Creek to replace the Mill Creek interceptor
Armor Banking	\$30,000		Install erosion protection on shore of Mill Creek over the interceptor
Total	\$130,000		
Falmouth Only Sewers and Equipment			
Infiltration reduction	\$50,000		Flow assessment, smoke testing, rehabilitation work to reduce peak flows.
Greenway / Middle Road I/I Study / Work	\$50,000		Study areas of known high I/I, begin correcting issues
Total	\$100,000		
Falmouth Only Pump Stations			
Misc. improvements	\$50,000		General replacement and rehab at any of 29 pump stations that solely serve Falmouth
Site Work	\$15,000		New Valve Vault top at Middle Road, Site Work at Hedgerow
Valves, Pumps & Controls	\$55,000		New pumps and valves at Middle Road, new pumps at Baltusrol, new controls at Mill Road
Preliminary Design, East Falmouth Phase I	\$60,000		Begin engineering work for Handy Boat and Underwood pump stations
New Force Main at Leighton Road	\$50,000		Existing force main is connected to guardrail at risk of failure in an accident
Armor Banking at Lunt Road	\$20,000		Install erosion protection on shore below Lunt Road Pump Station
New Generators	\$140,000		High School and Leighton Road
Total	\$390,000		
Debt Service			
WWTF Upgrade - Falmouth Share	\$220,837		62%
WWTF Upgrade - Cumberland Share	\$135,352		38%
Mill Creek PS - Falmouth Share	\$137,955		48%
Mill Creek PS - Cumberland Share	\$149,451		52%
West Falmouth Project - Falmouth Only	\$409,500		
Total	\$1,053,095		
Total FY24 Spending	\$2,229,095		

WASTEWATER CAPITAL FY25



TOWN OF FALMOUTH WASTEWATER CIP PLAN (FY2024 - FY2033)

Asset	Allocation to		Budget year									
	Falmouth	Cumberland	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
Falmouth total by year	\$827,987	\$1,699,897	\$1,514,972	\$2,055,952	\$1,830,291	\$1,972,336	\$2,173,881	\$2,625,426	\$2,577,972	\$2,577,972	\$2,577,972	\$2,577,972
Cumberland total by year	\$407,566	\$529,198	\$395,940	\$383,778	\$459,254	\$515,422	\$552,090	\$703,758	\$684,425	\$684,425	\$684,425	\$684,425
Total by year	\$1,235,553	\$2,229,095	\$1,910,913	\$2,439,730	\$2,289,545	\$2,487,758	\$2,725,971	\$3,329,184	\$3,262,397	\$3,262,397	\$3,262,397	\$3,262,397
	Allocation to		Budget year									
	Falmouth	Cumberland										
Treatment plant												
Falmouth share	70.0%		\$572,585	\$877,189	\$452,794	\$418,398	\$150,000	\$175,000	\$175,000	\$685,000	\$625,000	\$625,000
Cumberland share		30.0%	\$371,803	\$585,537	\$288,972	\$265,407	\$105,000	\$122,500	\$122,500	\$479,500	\$437,500	\$437,500
			\$200,782	\$291,652	\$163,822	\$152,991	\$45,000	\$52,500	\$52,500	\$205,500	\$187,500	\$187,500
Mill Creek pump station and force main												
Falmouth share *	56.3%		\$289,968	\$322,406	\$284,844	\$282,282	\$279,720	\$277,158	\$274,596	\$272,034	\$269,472	\$269,472
Cumberland share *		43.7%	\$139,185	\$157,660	\$136,725	\$135,495	\$134,266	\$133,036	\$131,806	\$130,576	\$129,347	\$129,347
			\$150,783	\$164,746	\$148,119	\$146,787	\$145,454	\$144,122	\$142,790	\$141,458	\$140,125	\$140,125
* Allocations vary from contractual percentages due to final cost share for repayment of bonds funding the 2017 Mill Creek replacement												
Johnson Road pump station												
Falmouth share	60.0%		\$0	\$0	\$0	\$0	\$0	\$125,000	\$220,000	\$220,000	\$220,000	\$220,000
Cumberland share		40.0%	\$0	\$0	\$0	\$0	\$0	\$75,000	\$132,000	\$132,000	\$132,000	\$132,000
Route One interceptor sewer, North of Johnson Road												
Falmouth share	77.3%		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cumberland share		22.7%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Gravity sewers and force main, south of Johnson to Mill Creek Interceptor												
Falmouth share	60.0%		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cumberland share		40.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Route 88 interceptor sewer												
Falmouth share	36.0%		\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Cumberland share		64.0%	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Mill Creek Intceptor sewer												
Falmouth share	44.0%		\$100,000	\$130,000	\$150,000	\$150,000	\$480,000	\$480,000	\$480,000	\$480,000	\$480,000	\$480,000
Cumberland share		56.0%	\$44,000	\$57,200	\$66,000	\$66,000	\$211,200	\$211,200	\$211,200	\$211,200	\$211,200	\$211,200
			\$56,000	\$72,800	\$84,000	\$84,000	\$268,800	\$268,800	\$268,800	\$268,800	\$268,800	\$268,800
Falmouth only sewers and equipment												
Falmouth share	100.0%		\$108,000	\$509,500	\$643,275	\$759,050	\$489,825	\$450,600	\$446,375	\$542,150	\$537,925	\$537,925
Falmouth only pump stations												
Falmouth share	100.0%		\$165,000	\$390,000	\$380,000	\$830,000	\$890,000	\$980,000	\$1,130,000	\$1,130,000	\$1,130,000	\$1,130,000
Excluding Debt Service												
Falmouth total by year			\$434,993	\$903,110	\$662,117	\$433,028	\$308,000	\$380,500	\$230,500	\$267,500	\$225,500	\$288,603
Cumberland total by year			\$148,007	\$272,890	\$58,883	\$49,972	\$45,000	\$52,500	\$52,500	\$25,500	\$7,500	\$7,500
Total by year			\$583,000	\$1,176,000	\$721,000	\$483,000	\$353,000	\$433,000	\$283,000	\$293,000	\$233,000	\$296,103

TREATMENT PLANT PROJECTS

Totals	Item	Fund	\$572,585	\$877,189	\$452,794	\$418,398	\$150,000	\$175,000	\$175,000	\$445,000	\$625,000	\$625,000	
			2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	
	Plant Upgrade 2007-08		\$362,585	\$314,189	\$349,794	\$343,398							Major rebuild of treatment plant completed in 2008
	SCADA software, computer, operating system, and network storage and backup												Proposal provides for data acquisition software and hardware upgrade, and data backup archive system, for supervisory control and telemetry systems.
	IT Capital Allocation			\$51,000									
	Replace obsolete Programmable Logic Controllers (PLC)												PLCs are small industrial computers with modular components designed to automate Customized Control processes. PLCs are used in Wastewater plants to control motors, pumps, lights, fans circuit breakers and other machinery
	Install gas heat conversions												Proposal funds boiler burner replacement and chimney liners to convert to natural gas
	Clean aeration tanks									60000			This proposal will remove grit and debris from the aeration tanks to increase active volume and inspect air diffusers.
	Replace Hach D.O. Probes												Existing D.O. probes are approaching end of useful life. This proposal will replace the existing with the newest style that will ease O&M
	Headworks Grating and Old Channel Infill												Improve working space by reducing odors and making more usable space
	Headworks Gas Detection System												Replace old/poorly functioning gas detection system for operational safety.
	Energy Recovery Unit Replacement - Admin building												This proposal will seek an audit / study / design of the energy usage at the WWTF and make recommendations for improvements
	Asset Management Program												
	Screw conveyor		\$20,000										Proposal provides funding for screw conveyor replacement as part of the centrifuge upgrade.
	Polyblend		\$10,000										Proposal provides funding for ancillary polymer dosing system as part of the centrifuge upgrade.
	Replace sludge grinder												Replace moyno grinder
	Centrifuge rebuild												Proposal provides funds to rebuild the 1999 dewatering centrifuge
	Inclined screw conveyor												Proposal replaces 1999 dewatering screw conveyor
	Plant equipment replacement		\$15,000	\$20,000	\$20,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	\$25,000	General replacement of pumps and equipment at the treatment plant due to unexpected failure
	WWTF Capacity & PFAS Study		\$100,000										Planning stages of next WWTF upgrade
	WWTF Upgrade - Nitrogen removal, 3rd tank, PFAS									\$600,000	\$600,000	\$600,000	Recommended upgrade to the treatment plant to handle future flow patterns (if we can delay til FY 28 then retire plant debt first)
	Replace outfall headwall			\$150,000									The existing outfall headwall is failing. This proposal will replace the existing outfall headwall.
	Plant outfall extension												Dependent on regulatory requirements
	Misc. other plant improvements				50000	50000	75000	150000	150000				Placeholder for future unknowns
	Vehicle and equipment storage garage		\$50,000	\$300,000									Proposal adds new garage at the treatment plant for vehicles, equipment, and pipe materials. October 23 Estimate is \$515K
	Aeration Tank Rehab						50000						Completion of structural rehabilitation of the concrete aeration tanks (Ref. WP 2022 recommendations). Contemplate these improvements as part of plant upgrade
	Pick up truck				\$30,000								Proposal funds replacement of an existing 2015 3/4 ton 4x4 pickup truck and plow. Shared cost with P5

Totals \$17,306 \$0 \$0 \$100,000 \$130,000 \$150,000 \$150,000 \$480,000 \$480,000 \$480,000 \$480,000 \$480,000 \$480,000

Item	Fund	Estimated costs	2014-15	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32
Manhole repair, Mill Creek	201-7550	\$20,000	\$17,306											
Feasibility study of abandoning cross country line in Mill Creek		\$15,000												Repair displaced manholes in Mill Creek ROW
Armor Mill Creek banking near PS		\$30,000				\$30,000								Proposal funds a determination of the practicality of eliminating inaccessible section of gravity sewer along Mill Creek. Updated to include long term solutions study (Actual W-P cost is \$48K)
Final Design of Upper Mill Creek Pump Station		\$200,000				\$100,000	\$100,000	\$150,000						
New Route One pump station		TBD, \$7.5M estimated (assumes \$7.5M, 2.5% interest for 20 years)							\$150,000	\$480,000	\$480,000	\$480,000	\$480,000	Proposal funds addition of new pump station at head of Mill Creek interceptor, allows abandonment of Mill Creek or risk associated with any failure of the cross country run of the sewer along Mill Creek. Discussion should be part of Route One North development plans. Fall 2021 - applied for Cumberland County ARPA funds

FALMOUTH ONLY SEWERS AND EQUIPMENT

Totals	Estimated cpsts	\$497,250	\$296,000	\$108,000	\$509,500	\$643,275	\$759,050	\$489,825	\$450,600	\$446,375	\$542,150	\$537,925	\$537,925	
Item		2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	
ROW clearing	\$10,000	\$10,000												Restore Webes Creek ROW
Engineering slope failure	\$15,000													
Survey bank near Town Landing	\$75,000		\$25,000											Review 2015 Wright-Pierce report. Restore washed out area near Town sewer south of Town landing (Ref 2017 Clark Capital Plan)? Start with survey of easement area to establish baseline (from Casco Terrace to Handy Boat). Include analysis of exposed pipe at Yacht club
Manhole Reinforcement Shoreline Drive			\$150,000											Review 2014 Wright-Pierce Report (Ref 2017 Clark Capital Plan). Proceed with design (Wright Pierce 2021-03-08 scope)
Infiltration reduction	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	Flow assessment, smoke testing, rehabilitation work to reduce peak flows
Greenway/Middle Road I/I Study				\$50,000	\$50,000	\$150,000								SSES Studies
Misc. Line work	Varies TBD										100000	100000	100000	Proposal provides funding of as yet unidentified line replacement or capacity upgrade
West Falmouth/ Sewer master plan	\$100,000													Engineering study to provide recommended improvements in West Falmouth
Carol Street lining	\$125,000													Install pvc lining in 1,600 feet of sewer on Carol Street
Clean and televise Shoreline interceptor	\$23,500		\$30,000											Clean and televise 4,700 feet of gravity sewer along Shoreline Drive
Rehab terminus manholes	\$15,000													Rehab terminus manholes, Pinehurst and Clubhouse force mains
Land purchase														Land next to treatment plant, part of Tidewater acquisition
Falmouth Road force main	\$2,300,000													
Falmouth Road PS	\$400,000													
High School PS improvements	\$17,000													
Woodland Dr. PS improvements	\$66,000													
Pinehurst Dr. PS improvements	\$31,000													
Woodland Clubhouse PS improvements	\$33,000													
Middle Road Roundabout Project- Sewer Replacement	\$175,000													Replace sewer in Middle Road roundabout, from fund balance
Middle Rd. PS Interim pump improvements, Lunt Rd	\$355,000													
	\$100,000													
Lunt Rd. PS	\$1-\$1.5 MM													
Lunt Rd force main	\$736,000													
Middle Rd. sewer, Woods to Lunt	\$1,820,000													
WF sewer extension projects, phase 1		360250		\$0	\$409,500	\$405,275	\$401,050	\$396,815	\$392,600	\$388,375	\$384,150	\$379,925	\$375,700	Estimated bond payment towards recommended West Falmouth sewer improvements. \$6.5 MM at 1.3% for 20 years includes fees.
Area 6, Route 100	\$3,273,000													
Area 5, Falmouth, Winn, Leighton	\$2,897,000													
Area 3, Longwoods, Middle, to Cumberland	\$4,328,000													
Area 2, Falmouth Merrill	\$1,721,000													
Area 1, Pleasant, Ledgewood	\$3,587,000													
West Falmouth sewer expansion projects	TBD													Estimated bond payment towards possible West Falmouth sewer extensions outlined in Sewer Evaluation Survey of 2015
Quickview camera system	\$9,000	\$9,000												New sewer video camera system, shared cost with Public Works Department
Pickup truck with plow	\$30,000		\$30,000			\$30,000								Proposal funds replacement of an existing 2015 3/4 ton 4x4 pickup truck and plow.
Amerideck dump body	\$6,000		\$3,000											Proposal funds replacement of 2009 pick up dump body
Sander	\$4,500													Sander for pump station truck
Crane truck body	\$15,000													Replacement for crane truck
Portable generator	\$60,000	\$60,000												Proposal funds replacement of 1998 hi capacity portable generator
Jet flushing machine	\$85,000													Proposal provides funds to replace 1995 sewer cleaning /jet flushing tow behind unit and 1994 sewer television camera and recording systems
Mobile portable generator	\$35,000							\$35,000						Proposal adds a new hi capacity portable generator to service stations without in place standby power.
Lift Crane	\$15,000													Proposal funds replacement of service truck mounted hydraulic/electric crane used to service pumps at 31 pump stations.
Photocopier	\$4,000													Proposal funds replacement of photocopier in line with IT equipment replacement schedule.
Computers and network	\$8,000	\$8,000	\$8,000	\$8,000		\$8,000	\$8,000	\$8,000	\$8,000	\$8,000	\$8,000	\$8,000	\$8,000	Contribution to Town computer/software/network replacement
Truck, one ton chassis	\$30,000													Proposal funds replacement of an existing 2009 one ton truck chassis.
Clearwater Drive Interceptor							300000							
Mackworth Point	\$10,000,000													Replacement with new PS at Andrews estimated at \$10M (2023) over 20 years at 3%, first two years are design (\$570K per year)

FALMOUTH ONLY PUMP STATIONS

	Totals	\$165,000	\$390,000	\$380,000	\$830,000	\$890,000	\$980,000	\$1,130,000	\$1,130,000	\$1,130,000	\$1,130,000
	Item	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
MIDDLE ROAD	Control panel replacement										
	PLC Programming										
	Standby Generator										
	Valve Pit Cover		\$10,000								
	Check Valves		\$15,000								
CLEARWATER DRIVE (can)	Replace pump parts										
	Wet well rehab	\$50,000									
	Piping parts and motor										
	Frame Stock (Ferguson WaWks)										
	Standby generator										
	Cut in force main valves										
	Generator Building - roof/trim	\$15,000									
	Design Upgrade					\$30,000	\$75,000				
	Upgrade Station							\$150,000	\$150,000	\$150,000	\$150,000
OLD MILL ROAD (can)	Pump motor replacements										
	Rehab can structure										
HEDGEROW DRIVE	Pave driveway										
	Control panel replacement										
	Site Work		\$5,000								
	New Pumps		\$10,000								
BAYSITE LN	WW pipe and rail replacement										
	Convert gen to NG										
	Generator Building rehab (siding/trim)	\$10,000									
LANDING WOODS LANE	Wet well top w. hatch										
	Control panel replacement										
WAITES LANDING ROAD	Wet well top w. hatch										
	Control panel replacement										
BROWN STREET (can)	Replace pump parts										
	Convert gen to NG										
	New Generator										
	Drainage improvements										
	Design Upgrade					\$30,000	\$75,000				
	Upgrade Station							\$150,000	\$150,000	\$150,000	\$150,000
ALL CANS	Design replacement / rehab can										
LUNT ROAD	Upgrade Design			\$100,000							
	PS Upgrade - \$7.5M for 20 yrs @ 2.5%				\$480,000	\$480,000	\$480,000	\$480,000	\$480,000	\$480,000	\$480,000
	Interim Upgrade - new impellers/motors										
	Bank Armoring		\$20,000								
HANDY BOAT LANE (can)	Replace pump parts										
	Piping and interior rehab										
	Rehab can structure										
	Cut in force main valve										
	Electrical	\$10,000									
	Design Upgrade		\$30,000	\$75,000							
	Upgrade Station				\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
UNDERWOOD ROAD (can)	Control panel replacement										
	Replace pump parts										
	Electrical	\$10,000									
	Design Upgrade		\$30,000	\$75,000							
	Upgrade Station				\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000
HIGH SCHOOL	Control panel replacement										
	Pave driveway										
	Replace valve pit top										
	New Generator		\$60,000								
PINEHURST LANE	Control panel replacement										
	PLC Programming										
WOODLANDS DR											
WOODLANDS CLUB											

FALMOUTH ONLY PUMP STATIONS

	Totals	\$165,000	\$390,000	\$380,000	\$830,000	\$890,000	\$980,000	\$1,130,000	\$1,130,000	\$1,130,000	\$1,130,000
	Item	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33
	Control panel replacement										
	Site repair										
	PLC Programming										
	Electrical	\$10,000									
LEIGHTON RD	New Generator		\$80,000								
	Force Main relocation (HDD)		\$50,000								
FALMOUTH RD											
	Wet well repairs										
THORNHURST RD											
	Pump replacement										
	Wet well top w. hatch										
	Control Panel replacement										
NORTHBROOK DRIVE											
	Control panel replacement										

FALMOUTH ONLY PUMP STATIONS

Totals		\$165,000	\$390,000	\$380,000	\$830,000	\$890,000	\$980,000	\$1,130,000	\$1,130,000	\$1,130,000	\$1,130,000
Item	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29	2029-30	2030-31	2031-32	2032-33	
BALTUSROL DR	PLC Programming										
	Convert gen to NG										
	Wet well repairs										
	Electrical	\$10,000									
	New Generator			\$80,000							
	New Pumps		\$15,000								
INVERNESS DR											
LEACHFIELD											
	Pave drive, around station										
BIRKDALE ROAD	Rebuild Pump										
	Convert gen to NG										
MILL ROAD											
	Control Panel Replacements (5th priority)		\$15,000								
HAZELTINE DR											
TIDEWATER FARM											
	Pave driveway										
CHERRYWOOD											
LINDENWOOD											
OLD OAK WAY											
	Pump replacement										
Replace WW covers	4 hatch replacements										
	SCADA 4G network upgrade										
All sites											
Misc. improvements		\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000	\$50,000