

Water Pollution Control Facility - FY22

Outcomes:

- Maintain Effluent Compliance with MEPDES permit
- Keep Combined Sewer Overflows (CSO) to a minimum
- Maintain Stable Sewer Rates
- Maintain 4 Pump Stations and 4 Buildings at the Plant

Mandates:

- Inspect and Maintain the Sanitary Sewer System and Infrastructure
- Comply with OSHA and Bureau of Labor Standards requirements
- Comply with Environmental Protection Agency and Maine Department of Environmental Protection laws and rules
- State Law requires maintaining Town Owned Buildings and Equipment
- DEP is requiring WPCF to maintain cross country Right of Ways.

Methods:

- Update and follow the Collection System Operations and Maintenance Plan.
- Follow the preventive maintenance plans for plant equipment.
- Rehabilitate manholes
 - Monoform; Ring and Cover Resets; & Replacement
- Capital Investment in sewer line repair and replacement as well as plant equipment. Make use of sewer lining where possible to reduce costs and traffic problems. Work with Public Works to do projects together.

Resources:

Personnel

- Superintendent
- Chief Operator/ Lab Tech
- Operator/Mechanic Lead
- Collection System Lead
- 2 Operators

Equipment and Fleet Vehicles

- 2014 Western Star Sludge Truck
- 2018 3500 Series Chevrolet Dump Truck with Plow
- 2013 2500 Series GMC Pickup 4WD
- 2019 F-350 Ford Pickup 4WD
- 2008 Sewer Flusher
- 2020 Dump Trailer
- 2007 Sewer Camera in an enclosed Trailer
- Le Roi Air Compressor
- 750 kW Caterpillar Diesel Generator

Facilities

- Headworks Building
- Operations Building
- Disinfection Building
- Maintenance Garage
- Penobscot St. Pump Station w/generator
- Union St. Pump Station w/ generator
- College Ave Pump Station w/ generator
- Stillwater Ave Pump Station w/generator
- 23 miles of Sanitary Sewer lines
- 500 Sanitary Sewer Manholes

Areas of Discussion:

Given that WPCF operation's are heavily regulated by the state and federal government - and that increased operational service levels are aimed at employing best practices where feasible to reduce Town liability and sewer backups into customer properties, options are limited to reduce services. The Council could elect to scale back on capital projects which would in turn allow a reduction in the level of funding into the Sewer Infrastructure Reserve Account.

The economy and commercial (both private sector and University related) activity are critical factors in the WPCF's revenue stream. With the current state of the economy we continue to watch the trend of WPCF revenues. Is the increased use as the result of the stay at home order enough to make up for the losses from lodgings and businesses?

We would like to restore the shared position with Public Works that we lost last year. For the WPCF this is primarily for collection system maintenance.

Areas of Concern:

- Where are State and Federal regulations headed?
- Long term financial sustainability, including lack of adequate reserve funding to maintain infrastructure.
- Climate change impacting WPFC operations and regulatory requirements (ex. disinfection period extension).
- FY22 is the year of testing for the upcoming plant license renewal.

TOWN OF ORONO
WPCF PROPOSED FY2121 REVENUE BUDGET
July 1, 2021 - June 30, 2022

Account Description	Account Number	FY21 Budgeted Revenues	Proposed FY22	Variance by Dollar Amount	Variance by Percentage
78-78 WPCF Operating Revenues					
General Sewer Revenue	4100			\$ -	N/A
Sewer Billings (Requires Rate Increase)	4200	\$ 1,589,914	\$ 1,726,840	\$ 136,926	8.61%
Sewer Connection Fees	4201	\$ 100	\$ 100	\$ -	N/A
Sewer Application & Inspection	4203	\$ 500	\$ 500	\$ -	N/A
Rental of Sewer Equipment	4204	\$ 350	\$ 350	\$ -	N/A
Earnings on Investments	4400	\$ 10,000	\$ 10,000	\$ -	100.00%
Lien Costs & Deeds	4500	\$ 1,800	\$ 1,800	\$ -	100.00%
Interest on Overdue Bills	4501	\$ 2,000	\$ 2,000	\$ -	100.00%
78-78 WPCF Operating Revenues Subtotals:		\$ 1,604,664	\$ 1,741,590	\$ 136,926	8.53%
78-79 WPCF Use of Funds					
Equipment Reserve		\$ 5,100	\$ -	\$ (5,100)	N/A
Capital Reserve		\$ 5,300	\$ 14,140	\$ 8,840	166.79%
Sewer Infrastructure Reserve		\$ 180,000	\$ 537,000	\$ 357,000	198.33%
78-79 WPCF Use of Funds Subtotals:		\$ 190,400	\$ 551,140	\$ 360,740	189.46%

Custom Budget Report

Revenue

	2019 Budget	2019 Actual	2020 Budget	2020 Actual	2021 Budget	2021 YTD	2022 Manager	Man Req vs" Curr Bud Change \$
Dept/Div: 78-78 Water Pollution Control Fac / WPCF Operating								
4100 General Sewer Revenue	0.00	0.00	0.00	1,809.00	0.00	0.00	0.00	0.00
4200 Sewer Billings	1,555,735.00	1,501,629.38	1,581,353.00	1,510,284.22	1,589,914.00	1,309,142.26	1,726,840.00	136,926.00
4201 Sewer Connection Fees	100.00	868.65	100.00	0.00	100.00	1,407.00	100.00	0.00
4203 Sewer Application & Inspection	500.00	210.00	500.00	180.00	500.00	102.00	500.00	0.00
4204 Rental of Sewer Equipment	350.00	665.00	350.00	0.00	350.00	105.00	350.00	0.00
4400 Earnings on Investments	38,000.00	32,573.73	38,000.00	20,261.10	10,000.00	4,767.25	10,000.00	0.00
4402 First Adv Rsrve InvestActivity	0.00	9,096.76	0.00	-11,988.89	0.00	24,995.86	0.00	0.00
4500 Lien Costs & Deeds	2,800.00	3,093.49	2,800.00	3,570.51	1,800.00	633.86	1,800.00	0.00
4501 Interest on Overdue Bills	5,000.00	3,603.63	5,000.00	3,303.30	2,000.00	4,531.40	2,000.00	0.00
WPCF Operating	1,602,485.00	1,551,740.64	1,628,103.00	1,527,419.24	1,604,664.00	1,345,684.63	1,741,590.00	136,926.00

Account Description	Account Number	FY21 Approved Budget	FY22 Proposed Budget	Difference \$	Difference %	Comments
78 - WPCF						
Full-Time Salaries	78-78-510-110	\$ 299,605	\$ 329,160	\$ 29,555	10%	This budget supports 6.5 FTE personnel. The increase from the FY21 budget is primarily driven by the restoration of the PW/WPCF Shared Laborer position that is dedicated to summer maintenance of sewer infrastructure and public works winter maintenance.
Overtime	78-78-510-130	\$ 11,000	\$ 11,000	\$ -	0%	The facility's licensure requires that the system be continuously monitored and daily testing be completed and documented. To meet this requirement without staffing 24/7 shifts, the Town invested considerable funds in technology that alerts on-call staff of potential system issues. On-call responsibly is parsed out to all operators on a rotating weekly basis. The Town pays an on-call stipend for the week and overtime for call-ins and weekend/holiday testing. The overtime line also funds general overtime (usually related to construction, CSO event, or weekend/holiday call-ins that require additional personnel).
On-Call Pay	78-78-510-141	\$ 5,840	\$ 6,032	\$ 192	3%	
Health Insurance	78-78-520-210	\$ 69,415	\$ 97,855	\$ 28,440	41%	The increase in this line is based upon a change in plan election and the restoration of the Shared Laborer position.
MPERS Retirement	78-78-520-220	\$ 30,260	\$ 33,905	\$ 3,645	12%	Regular Town employees are offered the opportunity to participate in a retirement program (Maine Public Employee Retirement System or a 457 Plan). The Town's potential annual expense is equal in both plans.
FICA/Medicare	78-78-520-230	\$ 22,920	\$ 25,185	\$ 2,265	10%	Mandatory expense of 7.65% of wages paid.
Workers Compensation	78-78-520-250	\$ 4,600	\$ 7,525	\$ 2,925	64%	The increase in this budget line are attributable to both increase wages and premium increase.
Clothing Allowance	78-78-520-270	\$ 3,445	\$ 3,445	\$ -	0%	WPCF are required to wear steel toe shoes for safety
Travel	78-78-610-310	\$ 1,000	\$ 1,000	\$ -	0%	Travel and lodging for professional development
Training	78-78-610-311	\$ 2,900	\$ 2,900	\$ -	0%	Licensed operators must have 18 training hours every 2 years
Membership Dues	78-78-620-320	\$ 2,850	\$ 2,850	\$ -	0%	MEWEA and MWUA memberships for staff plus MMA
Advertising	78-78-630-330	\$ 350	\$ 350	\$ -	0%	For advertising job or public notices
Technology Supplies	78-78-640-412	\$ 2,500	\$ 2,500	\$ -	0%	Printers, ink, paper etc.
Cell Phone Expense	78-78-640-413	\$ 700	\$ 1,020	\$ 320	46%	Cell phone and a Tablet
Telephone/Internet	78-78-640-414	\$ 2,160	\$ 2,160	\$ -	0%	
Pager	78-78-640-419	\$ 400	\$ 425	\$ 25	6%	Pager for major plant alarms
Postage	78-78-650-432	\$ 3,650	\$ 3,650	\$ -	0%	This line covers general correspondence, reminder notices for past due bills, and legally required notices for the lien process

Account Description	Account Number	FY21 Approved Budget	FY22 Proposed Budget	Difference \$	Difference %	Comments
Cleaning Supplies	78-78-650-438	\$ 1,850	\$ 2,000	\$ 150	8%	We are using more supplies for COVID-19
Chemicals	78-78-650-439	\$ 24,000	\$ 28,000	\$ 4,000	17%	Chemical prices have significantly increased
Billing Supplies	78-78-650-451	\$ 2,060	\$ 1,150	\$ (910)	-44%	
Lab Supplies	78-78-650-462	\$ 10,485	\$ 8,000	\$ (2,485)	-24%	The FY21 budget included the planned purchase of a spectrophotometer.
Maintenance	78-78-650-463	\$ 5,220	\$ 5,220	\$ -	0%	This is for shop supplies plus oil and grease
Minor Equipment	78-78-660-510	\$ 2,665	\$ 2,665	\$ -	0%	
Equipment Rental	78-78-660-512	\$ 1,500	\$ 1,500	\$ -	0%	WPCF uses this line to pay expenses related to rental of equipment that is important, but not used all the time. (For example, a lift or other similar equipment)
Equipment Repair	78-78-660-513	\$ 7,500	\$ 7,500	\$ -	0%	Most of this is for electrical repairs
Safety Equipment	78-78-660-518	\$ 5,400	\$ 5,400	\$ -	0%	Included is overhead hoist inspection and fire extinguisher inspection (required)
Repair Parts	78-78-660-521	\$ 4,700	\$ 4,700	\$ -	0%	This includes V belts, bearings and seals.
Equipment Replacement	78-78-660-522	\$ 9,250	\$ 9,250	\$ -	0%	This is for larger items, like pump impellers, wear plates, UV system ballasts
Penobscot Pump Station Repairs	78-78-660-533	\$ 1,000	\$ 1,000	\$ -	0%	These budget lines are used to track smaller, miscellaneous repair costs for the stations.
Union Pump Station Repairs	78-78-660-534	\$ 500	\$ 500	\$ -	0%	
College Pump Station Repairs	78-78-660-535	\$ 1,000	\$ 1,000	\$ -	0%	
Stillwater Pump Station Repairs	78-78-660-536	\$ 1,000	\$ 1,000	\$ -	0%	
Heating Oil	78-78-670-530	\$ 14,700	\$ 14,700	\$ -	0%	#2 fuel oil for the main plant and headworks building
LP Gas	78-78-670-531	\$ 2,750	\$ 2,750	\$ -	0%	fuel for 4 pump stations and the disinfection building
Electricity	78-78-670-533	\$ 115,000	\$ 120,000	\$ 5,000	4%	Versant is raising the rates for distribution
Electricity Pump Station	78-78-670-534	\$ 7,800	\$ 10,000	\$ 2,200	28%	
Water	78-78-670-535	\$ 2,600	\$ 2,600	\$ -	0%	Potable water at the treatment plant and 2 pump stations
Repairs/Maintenance to Building	78-78-670-537	\$ 5,000	\$ 5,000	\$ -	0%	Account for building repairs
Sewer Line Repair/Maintenance	78-78-670-548	\$ 15,000	\$ 15,000	\$ -	0%	Rings and covers, manhole raises, flusher maintenance and small repairs
Vehicle Repair/Maintenance	78-78-680-560	\$ 4,500	\$ 4,500	\$ -	0%	Tires, oil changes and other vehicle repairs
Gasoline	78-78-680-561	\$ 2,200	\$ 2,200	\$ -	0%	Gasoline for GMC 2500, GMC 3500 and Ford F-150 plus miscellaneous
Diesel	78-78-680-562	\$ 3,125	\$ 3,125	\$ -	0%	Fuel for Western Star dump truck and sewer flusher
Diesel for Generators	78-78-680-568	\$ 1,000	\$ 1,000	\$ -	0%	Diesel for plant generator
Medical Testing	78-78-690-611	\$ 500	\$ 500	\$ -	0%	Along with fit for duty exams, this budget line funds the cost of the federally mandated random drug/alcohol tests for personnel using their Commercial Drivers Licenses (CDL) as part of work duties.
Legal Services	78-78-690-612	\$ 2,500	\$ 2,500	\$ -	0%	Along with general legal questions, WPCF uses legal assistance in review of contracts, deeds, and easements.

Account Description	Account Number	FY21 Approved Budget	FY22 Proposed Budget	Difference \$	Difference %	Comments
Audit Services	78-78-690-616	\$ 3,585	\$ 3,675	\$ 90	2%	WPCF pays for a portion of the Town's annual audit costs given the additional reporting required in an enterprise fund.
Liens and Deeds	78-78-690-617	\$ 2,500	\$ 2,500	\$ -	0%	The Town uses the lien process to secure payment of sewer user fees.
Licensing	78-78-690-620	\$ 4,000	\$ 4,000	\$ -	0%	Annual MEPDES discharge permit and annual air emissions license for the generator.
Contractor Services	78-78-690-633	\$ 16,540	\$ 20,490	\$ 3,950	24%	Increase is due to Analytical Chemistry and WET test for license renewal. This account is also for calibration of plant meters, sewer billing, GIS license and WPCF share of TRIO.
Reimbursement for Administrative Services	78-78-690-668	\$ 136,825	\$ 136,825	\$ -	0%	Given the reporting structure and funding streams, the Town charges this fee to WPCF for administrative services (billing, collections, paying bills, personnel management, and general department support.)
Reimbursement for Facilities Services	78-78-690-670	\$ 2,000	\$ 2,000	\$ -	0%	This expense used to be in the contractor services; however, Town staff carries the licensure necessary to clean and maintain boilers/furnaces. With this change, WPCF added the reimbursement as the Town does not use an interdepartmental charge system for these types of services.
Sludge Disposal	78-78-690-671	\$ 100,000	\$ 81,000	\$ (19,000)	-19%	This budget is based upon disposing approximately 1,500 tons of sludge. In FY21, staff is anticipating a decrease of at least 400 tons of sludge. This budget reflects a decrease of approximately 350 tons for FY22.
MMA Risk Management	78-78-690-683	\$ 15,000	\$ 15,000	\$ -	0%	WPCF pays for a portion of the Town's annual "insurance" premium.
CSO Planning and Repair	78-78-690-688	\$ 7,500	\$ 7,500	\$ -	0%	Every 5 years, the Town is required to undertake a detailed evaluation of infiltration and inflow within the collection system. This evaluation costs approximately \$7,500. In order to provide better budget consistency and provide resources to address CSO needs without impacting other areas of the budget, several years ago, this line was inserted and funded on an annual basis.
Debt Repayment - Principal	78-78-810-835	\$ 350,000	\$ 365,000	\$ 15,000	4%	In FY21, the Town refunded (refinanced) existing WPCF debt. The repayment schedule for this existing debt peaks in FY22 remains similar through FY24 and then remains between \$567,000 and \$590,950 (principal and interest) through FY36 when it is repaid. Along with this existing debt, the Town is borrowing up to \$1,000,000 from the Maine Municipal Bond Bank to fund much needed

Account Description	Account Number	FY21 Approved Budget	FY22 Proposed Budget	Difference \$	Difference %	Comments
Debt Repayment - Interest	78-78-810-836	\$ 231,170	\$ 255,975	\$ 24,805	11%	Municipal Bond Bank to fund much needed collection system infrastructure in the Mahaney Subdivision. While the final borrowing documents have yet to be finalized, staff is estimating new (additional) debt repayment of approximately \$68,000 starting in FY23 (one year after the completion of the project).
Transfer to Capital Program Reserve	78-78-890-894	\$ -	\$ -	\$ -	N/A	These budget lines reflect planned appropriations into reserve accounts to fund future large expenditures related to buildings, infrastructure, and equipment. Ideally, the best practice would be to allocate the annual depreciation into reserves to that funds will be available to repair/replace these assets; however, this alone would require an increase of more than 40% in the user rates. While this increase in the rates is not feasible; the Town Council will need to consider either increasing allocations to the reserves (see 5 year capital investment plan that illustrates an exhaustion of reserve funds) or rethink how the Town pays for these investments (budgeting a portion of the capital expense as part of the operating rate structure).
Transfer to Sewer Replacement Reserve	78-78-890-895	\$ 15,444	\$ 42,203	\$ 26,759	173%	
Transfer to Capital Equipment Replacement Reserve	78-78-890-896	\$ -	\$ 10,000	\$ 10,000	N/A	
Town Wellness	78-78-910-941	\$ 1,700	\$ 1,700	\$ -	0%	The Town offers an active Wellness Program aimed at supporting our employees fitness for duty, improving recruitment and retention efforts, and mitigating the Town's self-rated health insurance premium expenses. This represents approximately 25% of the total program expense.
78 - WPCF Totals		\$ 1,604,664.00	\$ 1,741,590	\$ 136,926	9%	

Custom Budget Report

Expense

	2019 Budget	2019 Actual	2020 Budget	2020 Actual	2021 Budget	2021 YTD	2022 Manager	Man Req vs" Curr Bud Change \$
Dept/Div: 78-78 Water Pollution Control Fac / WPCF Operating								
Wages								
510-110 Full-Time Salary	306,654.00	293,783.22	317,702.00	295,135.34	299,605.00	231,940.04	328,205.00	28,600.00
510-130 Unscheduled Overtime	12,000.00	6,796.20	12,000.00	11,269.93	11,000.00	7,912.24	11,000.00	0.00
510-141 On Call Pay	5,840.00	5,712.00	5,840.00	5,632.00	5,840.00	4,543.84	6,032.00	192.00
Wages	324,494.00	306,291.42	335,542.00	312,037.27	316,445.00	244,396.12	345,237.00	28,792.00
Benefits								
520-210 Health Insurance	106,881.00	89,820.25	100,390.00	70,222.75	69,415.00	67,223.35	97,855.00	28,440.00
520-220 MPERS Retirement	34,343.00	29,966.66	33,359.00	30,450.35	30,260.00	22,449.85	33,805.00	3,545.00
520-230 FICA/Medicare	23,459.00	22,274.77	24,304.00	23,307.89	22,920.00	17,604.05	25,110.00	2,190.00
520-250 Workers' Compensation	8,160.00	4,606.96	6,845.00	4,521.90	4,600.00	4,676.94	7,505.00	2,905.00
520-270 Clothing Allowance	3,415.00	3,575.00	3,415.00	3,275.00	3,445.00	1,650.00	3,445.00	0.00
Benefits	176,258.00	150,243.64	168,313.00	131,777.89	130,640.00	113,604.19	167,720.00	37,080.00
Travel & Training								
610-310 Travel	1,000.00	337.09	1,000.00	74.93	1,000.00	0.00	1,000.00	0.00
610-311 Training	2,900.00	1,853.72	2,900.00	1,335.55	2,900.00	905.00	2,900.00	0.00
Travel & Training	3,900.00	2,190.81	3,900.00	1,410.48	3,900.00	905.00	3,900.00	0.00
Dues & Subscriptions								
620-320 Membership Dues	1,830.00	1,830.00	700.00	2,827.75	2,850.00	2,721.50	2,850.00	0.00
Dues & Subscriptions	1,830.00	1,830.00	700.00	2,827.75	2,850.00	2,721.50	2,850.00	0.00
Advertising & Outreach								
630-330 Advertising	350.00	130.58	350.00	0.00	350.00	0.00	350.00	0.00
Advertising & Outreach	350.00	130.58	350.00	0.00	350.00	0.00	350.00	0.00
Computers & Devices								
640-412 Supplies	2,500.00	1,277.15	2,500.00	1,744.75	2,500.00	433.44	2,500.00	0.00
640-413 Cell Phone Expense	700.00	683.21	700.00	1,000.41	700.00	758.20	1,020.00	320.00
640-414 Telephone/Internet	2,160.00	2,147.94	2,160.00	2,152.75	2,160.00	1,780.98	2,160.00	0.00

Custom Budget Report

Expense

	2019 Budget	2019 Actual	2020 Budget	2020 Actual	2021 Budget	2021 YTD	2022 Manager	Man Req vs" Curr Bud Change \$
Dept/Div: 78-78 Water Pollution Control Fac / WPCF Operating CONT'D								
640-419 Pager	335.00	321.23	335.00	228.79	400.00	209.75	425.00	25.00
Computers & Devices	5,695.00	4,429.53	5,695.00	5,126.70	5,760.00	3,182.37	6,105.00	345.00
Materials & Supplies								
650-432 Postage	3,650.00	3,944.55	3,650.00	1,943.72	3,650.00	2,000.00	3,650.00	0.00
650-438 Cleaning Supplies	1,815.00	2,082.14	1,815.00	1,044.05	1,850.00	642.49	2,000.00	150.00
650-439 Chemicals	22,000.00	24,347.17	24,000.00	22,796.06	24,000.00	19,801.92	28,000.00	4,000.00
650-451 Billing Supplies	2,060.00	726.69	2,060.00	1,731.05	2,060.00	65.26	1,150.00	-910.00
650-462 Lab Supplies	5,835.00	5,579.08	12,685.00	12,284.36	10,485.00	4,825.45	8,000.00	-2,485.00
650-463 Maintenance & Shop Suppli	5,220.00	3,123.89	5,220.00	4,386.44	5,220.00	2,516.67	5,220.00	0.00
Materials & Supplies	40,580.00	39,803.52	49,430.00	44,185.68	47,265.00	29,851.79	48,020.00	755.00
Equipment & Maintenance								
660-510 Minor Equipment	2,665.00	1,225.62	2,665.00	1,210.80	2,665.00	735.02	2,665.00	0.00
660-512 Small Equipment	1,000.00	0.00	1,000.00	1,275.20	1,500.00	0.00	1,500.00	0.00
660-513 Equip Repair	7,500.00	5,444.25	7,500.00	6,235.00	7,500.00	8,543.72	7,500.00	0.00
660-518 Safety Equipment	8,445.00	6,299.81	6,200.00	5,506.58	5,400.00	3,186.73	5,400.00	0.00
660-521 Repair Parts	4,700.00	1,310.10	4,700.00	1,726.75	4,700.00	1,253.15	4,700.00	0.00
660-522 Equipment Replacement	12,750.00	11,038.31	9,250.00	1,202.82	9,250.00	608.26	9,250.00	0.00
660-533 Penobscot Pump Station Repairs	0.00	0.00	1,000.00	298.60	1,000.00	141.13	1,000.00	0.00
660-534 Union St Pump Station Repairs	0.00	0.00	500.00	0.00	500.00	127.41	500.00	0.00
660-535 College Ave PumpStationRepairs	0.00	0.00	1,000.00	0.00	1,000.00	314.98	1,000.00	0.00
660-536 Stillwater Ave PumpStationRprs	0.00	0.00	1,000.00	0.00	1,000.00	125.79	1,000.00	0.00
Equipment & Maintenance	37,060.00	25,318.09	34,815.00	17,455.75	34,515.00	15,036.19	34,515.00	0.00
Buildings & Grounds Maint								
670-530 Heating Oil	12,600.00	13,801.03	14,700.00	11,516.01	14,700.00	8,404.81	14,700.00	0.00
670-531 LP Gas	2,750.00	2,539.70	2,750.00	1,772.10	2,750.00	2,091.94	2,750.00	0.00
670-533 Elect - Building	110,000.00	107,652.61	118,000.00	95,855.72	115,000.00	68,815.31	120,000.00	5,000.00

Custom Budget Report

Expense

	2019 Budget	2019 Actual	2020 Budget	2020 Actual	2021 Budget	2021 YTD	2022 Manager	Man Req vs" Curr Bud Change \$
Dept/Div: 78-78 Water Pollution Control Fac / WPCF Operating CONT'D								
670-534 Elect - Pump Statio	8,800.00	6,869.57	7,800.00	6,377.82	7,800.00	4,223.10	10,000.00	2,200.00
670-535 Water	2,500.00	2,664.96	2,500.00	2,492.34	2,600.00	1,580.07	2,600.00	0.00
670-537 Repairs/Maintenance	5,000.00	947.57	5,000.00	7,633.00	5,000.00	457.36	5,000.00	0.00
670-548 Sewer Line Maintenance	15,000.00	9,680.86	15,000.00	14,586.93	15,000.00	10,633.45	15,000.00	0.00
Buildings & Grounds Maint	156,650.00	144,156.30	165,750.00	140,233.92	162,850.00	96,206.04	170,050.00	7,200.00
Vehicles & Maintenance								
680-560 Repairs/Maint.	4,500.00	1,467.58	4,500.00	2,622.34	4,500.00	735.04	4,500.00	0.00
680-561 Gasoline	2,500.00	2,171.51	2,600.00	1,569.75	2,200.00	1,137.82	2,200.00	0.00
680-562 Diesel	3,600.00	2,658.76	2,800.00	2,232.21	3,125.00	819.53	3,125.00	0.00
680-568 Diesel for Generator	0.00	0.00	1,000.00	995.01	1,000.00	0.00	1,000.00	0.00
Vehicles & Maintenance	10,600.00	6,297.85	10,900.00	7,419.31	10,825.00	2,692.39	10,825.00	0.00
Professional Services								
690-611 Medical Testing	500.00	494.00	500.00	640.00	500.00	549.97	500.00	0.00
690-612 Legal	2,500.00	1,216.00	2,500.00	0.00	2,500.00	0.00	2,500.00	0.00
690-616 Audit	6,375.00	5,187.50	3,585.00	5,662.50	3,585.00	3,585.00	3,675.00	90.00
690-617 Liens & Deeds	2,500.00	2,565.00	2,500.00	2,185.00	2,500.00	646.00	2,500.00	0.00
690-620 Licensing	2,200.00	2,953.64	3,000.00	2,253.32	4,000.00	2,812.34	4,000.00	0.00
690-633 Contractor Services	24,000.00	13,132.78	16,540.00	13,503.01	16,540.00	12,921.33	20,490.00	3,950.00
690-668 Reimbursement for Admin Svcs	136,825.00	136,825.00	136,825.00	136,825.00	136,825.00	136,825.00	136,825.00	0.00
690-670 Reimb for Facilities Staff	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	2,000.00	0.00
690-671 Sludge Disposal	48,000.00	50,778.18	52,700.00	52,844.37	100,000.00	41,949.75	81,000.00	-19,000.00
690-683 MMA Pool Insurance	24,385.00	21,583.00	15,000.00	21,619.99	15,000.00	23,832.74	15,000.00	0.00
690-688 CSO Planning and Repair	7,500.00	0.00	7,500.00	1,750.00	7,500.00	0.00	7,500.00	0.00
Professional Services	256,785.00	236,735.10	242,650.00	239,283.19	290,950.00	225,122.13	275,990.00	-14,960.00

Debt

Custom Budget Report

Expense

	2019 Budget	2019 Actual	2020 Budget	2020 Actual	2021 Budget	2021 YTD	2022 Manager	Man Req vs" Curr Bud Change \$
Dept/Div: 78-78 Water Pollution Control Fac / WPCF Operating CONT'D								
810-835 P: GSB USDA 2014 GOB WPCF	330,000.00	330,000.00	340,000.00	340,000.00	350,000.00	350,000.00	365,000.00	15,000.00
810-836 I: GSB USDA 2014 GOB WPCF	251,569.00	251,353.61	241,519.00	241,518.73	231,170.00	22,125.00	255,975.00	24,805.00
Debt	581,569.00	581,353.61	581,519.00	581,518.73	581,170.00	372,125.00	620,975.00	39,805.00
Capital Reserve Funding								
890-895 Infrastructure Reserve	5,925.00	0.00	26,839.00	0.00	15,444.00	0.00	38,323.00	22,879.00
890-896 Equipment Reserve	0.00	0.00	0.00	0.00	0.00	0.00	10,000.00	10,000.00
Capital Reserve Funding	5,925.00	0.00	26,839.00	0.00	15,444.00	0.00	48,323.00	32,879.00
Other								
910-941 Town Wellness Program	789.00	0.00	1,700.00	0.00	1,700.00	0.00	1,700.00	0.00
Other	789.00	0.00	1,700.00	0.00	1,700.00	0.00	1,700.00	0.00
WPCF Operating	1,602,485.00	1,498,780.45	1,628,103.00	1,483,276.67	1,604,664.00	1,105,842.72	1,736,560.00	131,896.00

Town of Orono

FY2022 - 2026 Capital Improvement Plan

WPCF Capital Revenue & Expenses

July 1, 2021 - June 30, 2022

Description	FY21 Approved	FY22 Request	FY23 Projected	FY24 Projected	FY25 Projected	FY26 Projected	Comments:
Revenue							
WPCF Sewer Funds	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	This represents the amount of money that needs to be collected from sewer fees to support the capital budget. The WPCF Capital Plan is designed to have current year projects funded through capital reserve accounts and the sewer fees used to add funds to the reserve accounts each year. As the rates do not support additions to the reserves, these funds are soon not going to be available for this purpose.
Reserve - WPCF Capital Equipment	\$ 5,100	\$ -	\$ 59,140	\$ 110,000			
Reserve - WPCF Capital Reserve	\$ 5,300	\$ 14,140	\$ -				
Reserve - WPCF Sewer Replacement	\$ 70,000	\$ 537,000	\$ 521,000	\$ 140,000	\$ 50,000	\$ 320,000	As proposed the capital plan would exhaust the Sewer Replacement Reserve unless funds are replenished over the next five years.
Impact Fees			\$ 26,000				Restricted funds received from developer for the upside of the Hillside main.
Loan Proceeds	\$ 25,000	\$ 975,000				\$ 1,650,000	The loan for the Mahaney Development Infrastructure project has been approved and is available for use; however, the loan for the belt press is a placeholder. There will not be Capital Equipment Reserves available to fund this entire purchase.
Downtown TIF Funds	\$ 110,000						
Non-Sewer-Fee Revenue	\$ 215,400	\$ 1,526,140	\$ 606,140	\$ 250,000	\$ 50,000	\$ 1,970,000	
Total Revenue Utilization	\$ 80,400	\$ 551,140	\$ 606,140	\$ 250,000	\$ 50,000	\$ 1,970,000	

Town of Orono

FY2022 - 2026 Capital Improvement Plan

WPCF Capital Revenue & Expenses

July 1, 2021 - June 30, 2022

Description	FY21 Approved	FY22 Request	FY23 Projected	FY24 Projected	FY25 Projected	FY26 Projected	Comments:
Capital Projects							
4X4 Pick Up (Replacing 2013)			\$ 45,000				The truck will be 9 years old and beyond its useful life
Grit Trailer Replacement	\$ 5,100						
UV System Lamps and Sleeves		\$ 14,140	\$ 14,140				The facility uses UV light to disinfect effluent after it has gone through the biological treatment process, before it discharges to the river. This is a critical public safety step as it removes remaining bacteria that may be harmful to the living environment. The Town's Maine Department of Environmental Protection Discharge License requires that we utilize UV light in this manner from May through October. The WPCF rotates use of the banks so that one is being used and the other in reserve. The oldest bank was purchased in FY2015 and has logged 9,600 hours of use. Expected useful life for the light banks is 10,000 hours. The plan would be to replace the newer bank in FY23 when it will have similar hours of use.
Sewer Flusher (replacing 2008)				\$ 110,000			One of WPCF's most critical maintenance activities is the flushing and inspection of the sewer collection system. Along with being a best practice to identify area in need of maintenance, it clears the lines and helps to protect against main blockages. When mains are blocked, the wastewater will flow until it finds another outlet -- either out through manholes (classified as a sanitary sewer overflow (SSO) and a violation of our license) or through service lines (in basements and fixtures). The Town maintains immunity for sewer backups as long as the line has been flushed/maintained on a regular basis.; however, without this maintenance, the Town would be responsible for (what can be catastrophic damage to private property). The sewer flusher will be 15 yrs. old in FY24 and ready to be replaced.
Total Capital Equipment	\$ 5,100	\$ 14,140	\$ 59,140	\$ 110,000			

Town of Orono

FY2022 - 2026 Capital Improvement Plan

WPCF Capital Revenue & Expenses

July 1, 2021 - June 30, 2022

Description	FY21 Approved	FY22 Request	FY23 Projected	FY24 Projected	FY25 Projected	FY26 Projected	Comments:
Capital Facilities							
Replace a coil in the headworks heat exchanger	\$ 5,300						
Belt press upgrade						\$ 1,650,000	The wastewater treatment process seeks to separate solids, decrease the amount of solids, and then remove the water from the solids prior to disposal. The belt press is a critical tool in this operation as it takes the final remaining solids and presses the water to reduce the weight of disposal and return as much clean water back into the environment. Installed in 1992, the press will be 34 years old in FY26 and likely ready to be replaced. While WPCF staff has prioritized maintenance and care of this equipment, its age poses a risk to structural failure as well as decreased effectiveness in the quality of the press which will increase operating expenses. Staff continues to evaluate options for replacement or rebuild of this equipment.
SCADA System upgrade							While moved outside the 5-year capital plan, staff has added the SCADA System upgrade to the plan so that it is considered as this will be a significant expense. (The SCADA system allows staff to continuously monitor, manipulate, and collect data from the system - this includes pumps and pump stations, flows, and alarms.)
Total Capital Facilities	\$ 5,300					\$ 1,650,000	

Town of Orono

FY2022 - 2026 Capital Improvement Plan

WPCF Capital Revenue & Expenses

July 1, 2021 - June 30, 2022

Description	FY21 Approved	FY22 Request	FY23 Projected	FY24 Projected	FY25 Projected	FY26 Projected	Comments:
Capital Infrastructure							
Manhole Replacements on North Main Street	\$ 12,000						In general, capital infrastructure projects are identified as necessary through the Combined Sewer Overflow (CSO) master planning efforts. Priorities are made either to take advantage of public works projects to find cost savings or to realize the highest degree of reduction in system inflow and infiltration. In this plan, the Hillside Street sewer upsize is the result of The Edge (residential housing complex) that is being built on Park Street. The added design flow exceeds the current design capacity of this section of the main. The Edge contributed \$26,000 in impact fees toward this project.
Engineering for sewer replacement on Westwood Drive	\$ 38,000						
Design Spencer Lane repairs			\$ 12,000				
Design Hillside St. sewer upsize		\$ 30,000					
Hillside St. sewer upsize			\$ 515,000				
Chapel Rd (Manholes and 320 ft. of main)		\$ 92,000					
Sanitary sewer replacement on Westwood Dr.		\$ 375,000					
Spencer Lane Improvements				\$ 120,000			
Mahaney Subdivision Project Design	\$ 25,000						
Mahaney Subdivision Improvements		\$ 975,000					
Mill Street Catch Basin Connection to Storm Drainage	\$ 110,000	\$ 20,000					
Lexington Drive Project Design					\$ 30,000		
Lexington Drive (Manholes & 850 ft of Main)						\$ 300,000	
Miscellaneous Sewer Repair	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	\$ 20,000	Several years ago, this line was added to the capital plan to allow staff to respond to smaller capital infrastructure needs without needing to wait or go through the Council approval process. In past years, this has been used to replace manholes or small sections of sewer mains that are identified as needing work through the maintenance process.
Total Capital Infrastructure	\$ 205,000	\$ 1,512,000	\$ 547,000	\$ 140,000	\$ 50,000	\$ 320,000	
Total Capital Expenses	\$ 215,400	\$ 1,526,140	\$ 606,140	\$ 250,000	\$ 50,000	\$ 1,970,000	

* NOTE: Appropriations to reserves for the WPCF facility are calculated yearly during the development of the operating budget and will be added each year during that process.

Capital Infrastructure Needed to Support Growth		
Development Area	Action Needed	Comments:
Godfrey Drive	Increase pipe size in Bennoch Road Area	If additional development goes into Godfrey Drive, the Bennoch Road pipe will need to be increased.