



## Three Year Capital Improvement Program for Fiscal Years 2022 - 2024 Including One Year Capital Program Budget for Fiscal Year 2022

### Proposed Three Year CIP Plan

<b>WATER SUPPLY &amp; TRANSMISSION</b>			<b>2022 CAPITAL PROGRAM BUDGET</b>	<b>2023 - 2024 CAPITAL PROGRAM</b>	
PROJECT ID	PROJECT NAME	SOURCE OF FUNDS	FY 2022	FY 2023	FY 2024
004-0003	Land Acquisition	Revenues/Reserves	\$0	\$100,000	\$100,000
004-0007	Dam Maintenance/Various Locations	Revenues/Reserves	\$521,000	\$50,000	\$190,000
004-0034	Penstocks Repairs Inspections	Revenues/Reserves	\$318,270	\$0	\$0
004-0035	Penstocks Repairs Construc	WIFIA	\$2,500,000	\$0	\$0
004-0036	Culvert Replc & Slope Repairs @ Borden Brook	Revenues/Reserves	\$32,000	\$0	\$0
004-0037	Boat Ramp @ Cobble Mtn & Borden Brook	Revenues/Reserves	\$150,000	\$0	\$0
005-0026	Treatment System Assessment & Design	Revenues/Reserves	\$100,000	\$100,000	\$100,000
005-0027	Water Treatment System Improvements	Revenues/Reserves	\$200,000	\$200,000	\$200,000
005-0077	42" Raw Water Conduit Repair	Revenues/Reserves	\$500,000	\$0	\$0
005-0078	42 in. Raw Water Conveyance ReDsgn & ReConst	WIFIA	\$4,475,000	\$0	\$0
005-0079	WPF Bulk Chem & Chlr Room Constr	WIFIA	\$1,451,900	\$0	\$0
005-0087	WPF Lagoon Cleaning Constr	WIFIA	\$4,140,000	\$0	\$0
005-0098	Conduit Hydropower on 42" RWC & Elec Upgrades Dsgn	Revenues/Reserves	\$287,500	\$0	\$0
005-0099	Conduit Hydropwr Turbine 42" RWC & Elec Ugrd Const	WIFIA	\$14,456,000	\$0	\$0
005-0100	WPF Facility Improvements Dsg & Constr WIFIA	WIFIA	\$122,639,999	\$0	\$0
06A-0014	Transmission System Rehabilitation	Revenues/Reserves	\$100,000	\$100,000	\$100,000

080-0019	Provin Tank Condition Assessment	Revenues/Reserves	\$0	\$0	\$260,000
080-0021	Provin Mtn Valve Rehab - Dsgn	Revenues/Reserves	\$100,000	\$0	\$0
080-0022	Provin Tank 1 Structural Monitoring & Surveys	Revenues/Reserves	\$170,000	\$10,000	\$10,000

<b>Summary for WATER SUPPLY &amp; TRANSMISSION (19 detail records)</b>		<b>Activity Sum</b>	<b>\$152,141,669</b>	<b>\$560,000</b>	<b>\$960,000</b>
		<b>Percent of Total</b>	<b>51.00%</b>	<b>4.62%</b>	<b>4.20%</b>

## WATER DISTRIBUTION

PROJECT ID	PROJECT NAME	SOURCE OF FUNDS	2022 CAPITAL PROGRAM BUDGET	2023 - 2024 CAPITAL PROGRAM	
			FY 2022	FY 2023	FY 2024
070-0006	Meter Replacement	Revenues/Reserves	\$500,000	\$0	\$0
070-0007	Water Conservation & Utilization Program	WIFIA	\$14,000,000	\$0	\$0
12B-0005	Distribution System Rehabilitation	Revenues/Reserves	\$400,000	\$400,000	\$450,000
12B-0036	Hydrant Replacement Program	Revenues/Reserves	\$100,000	\$100,000	\$100,000
12B-0040	Distribution System Assessment & Design	Revenues/Reserves	\$930,000	\$560,000	\$230,000
12B-2022	Wtr Main Replace-MA DOT St James Ave	Revenues/Reserves	\$0	\$1,250,000	\$0
12B-2023	Distribution Syst Main Replace 23-24 Constr Season	Revenues/Reserves	\$0	\$2,000,000	\$0
12B-2024	Distribution Syst Main Replace 24-26 Constr Season	WIFIA	\$11,220,000	\$0	\$0
12B-2025	Wtr Main Replace-MA DOT Sumner Ave (X)	Revenues/Reserves	\$0	\$0	\$2,800,000

<b>Summary for WATER DISTRIBUTION (9 detail records)</b>		<b>Activity Sum</b>	<b>\$27,150,000</b>	<b>\$4,310,000</b>	<b>\$3,580,000</b>
		<b>Percent of Total</b>	<b>9.10%</b>	<b>35.56%</b>	<b>15.65%</b>

## WASTEWATER COLLECTION

PROJECT ID	PROJECT NAME	SOURCE OF FUNDS	2022 CAPITAL PROGRAM BUDGET	2023 - 2024 CAPITAL PROGRAM	
			FY 2022	FY 2023	FY 2024
003-0040	Wastewater Reporting & Regulatory Compl	Revenues/Reserves	\$100,000	\$100,000	\$100,000
003-0042	CSO Monitoring & Reporting	Revenues/Reserves	\$0	\$100,000	\$100,000

003-0043	YSPS Prj Hazardous Material Costs	Revenues/Reserves	\$700,000	\$0	\$0
12A-0018	Collection System Design	Revenues/Reserves	\$1,000,000	\$600,000	\$250,000
12A-0024	Collection System Cleaning & Assmt	Revenues/Reserves	\$1,287,500	\$1,326,125	\$1,365,909
12A-0039	Collection System Rehab/Replacement	Revenues/Reserves	\$0	\$0	\$150,000
12A-0047	Collection Sys O&M Plan Development	Revenues/Reserves	\$150,000	\$150,000	\$0
12A-0070	Locust Transfer-Design	Revenues/Reserves	\$1,000,000	\$0	\$0
12A-0071	Locust Transfer-Construction	SRF	\$23,689,897	\$0	\$0
12A-2021	Sewer Rehabilitation 21-22 Constr Season	Revenues/Reserves	\$600,000	\$0	\$0
12A-2023	North Branch-St Michaels's Cemt Sewer	Revenues/Reserves	\$0	\$2,100,000	\$0
12A-2024	Sewer Rehabilitation 24-26 Constr Season	WIFIA	\$16,350,000	\$0	\$0

**Summary for WASTEWATER COLLECTION (12 detail records)**

<b>Activity Sum</b>	<b>\$44,877,397</b>	<b>\$4,376,125</b>	<b>\$1,965,909</b>
<b>Percent of Total</b>	<b>15.04%</b>	<b>36.11%</b>	<b>8.60%</b>

**WASTEWATER TREATMENT**

PROJECT ID	PROJECT NAME	SOURCE OF FUNDS	2022 CAPITAL PROGRAM BUDGET	2023 - 2024 CAPITAL PROGRAM	
			FY 2022	FY 2023	FY 2024
001-0007	Wastewater Treatment Improvements	Revenues/Reserves	\$250,000	\$250,000	\$250,000
001-0009	Wastewater Treatment O&M Evaluation	Revenues/Reserves	\$150,000	\$150,000	\$150,000
001-0011	SRWTF Electrical Distribution Sys Upgrade Phase II	WIFIA	\$4,000,000	\$0	\$0
001-0012	Wastewater Regulatory Compliance	Revenues/Reserves	\$150,000	\$100,000	\$100,000
001-0014	Electrical System Improvements	SRF	\$5,579,643	\$0	\$0
001-0016	Grit Removal System Improvements	WIFIA	\$28,151,825	\$0	\$0
001-0018	Primary Clarifier Upgrade	SRF	\$0	\$0	\$14,004,388
001-0019	Ventilation Rehab Grit & Screenings Bldg	SRF	\$2,221,140	\$0	\$0
001-0026	Aeration System Upgrade	SRF	\$4,685,286	\$0	\$0

001-0036	Biological Nutrient Removal Process Upgrade	SRF	\$21,206,065	\$0	\$0
----------	---	-----	--------------	-----	-----

<b>Summary for WASTEWATER TREATMENT (10 detail records)</b>		<b>Activity Sum</b>	<b>\$66,393,959</b>	<b>\$500,000</b>	<b>\$14,504,388</b>
		<b>Percent of Total</b>	<b>22.26%</b>	<b>4.13%</b>	<b>63.43%</b>

**POWER SUPPLY**

PROJECT ID	PROJECT NAME	SOURCE OF FUNDS	2022 CAPITAL PROGRAM BUDGET	2023 - 2024 CAPITAL PROGRAM	
			FY 2022	FY 2023	FY 2024
130-0001	Power Supply Equipment Replacement	Revenues/Reserves	\$50,000	\$50,000	\$50,000
130-0006	Transmisison Line 637 Poles Replacement	Revenues/Reserves	\$150,000	\$578,750	\$0
130-0014	Units 1 & 3 Inlet Ctrl Valve Rehab & PenStck Insp	Revenues/Reserves	\$0	\$495,000	\$458,000
130-0016	Power Station Drain Line Replace - Dsgn & Const	Revenues/Reserves	\$155,000	\$0	\$0

<b>Summary for POWER SUPPLY (4 detail records)</b>		<b>Activity Sum</b>	<b>\$355,000</b>	<b>\$1,123,750</b>	<b>\$508,000</b>
		<b>Percent of Total</b>	<b>0.12%</b>	<b>9.27%</b>	<b>2.22%</b>

**ADMINISTRATION & ENGINEERING**

PROJECT ID	PROJECT NAME	SOURCE OF FUNDS	2022 CAPITAL PROGRAM BUDGET	2023 - 2024 CAPITAL PROGRAM	
			FY 2022	FY 2023	FY 2024
090-0005	Commission Vehicles	Revenues/Reserves	\$480,000	\$450,000	\$550,000
090-0007	Communications Equipment	Revenues/Reserves	\$50,000	\$50,000	\$50,000
090-0009	Computers, Servers, Copiers	Revenues/Reserves	\$235,000	\$100,000	\$100,000
090-0010	Building & Structure Improvements	Revenues/Reserves	\$100,000	\$100,000	\$100,000
090-0011	Operating Equipment-Rolling Stock	Revenues/Reserves	\$100,000	\$400,000	\$400,000
090-0016	Information Systems	Revenues/Reserves	\$300,000	\$150,000	\$150,000
090-0023	Integrated Plan Update	Revenues/Reserves	\$350,000	\$0	\$0
090-0027	Land Acquisition (Non-Watershed)	Revenues/Reserves	\$10,000	\$0	\$0
090-0029	WIFIA Cost of Issuance	WIFIA	\$750,000	\$0	\$0

090-0030	WIFIA Project Management	WIFIA	\$5,000,000	\$0	\$0
----------	--------------------------	-------	-------------	-----	-----

<b>Summary for ADMINISTRATION &amp; ENGINEERING (10 detail records)</b>	<b>Activity Sum</b>	<b>\$7,375,000</b>	<b>\$1,250,000</b>	<b>\$1,350,000</b>
	<b>Percent of Total</b>	<b>2.47%</b>	<b>10.31%</b>	<b>5.90%</b>

	<b>FY 2022</b>	<b>FY 2023</b>	<b>FY 2024</b>	
<b>Revenue/Reserves</b>	<b>\$11,776,270</b>	<b>\$12,119,875</b>	<b>\$8,863,909</b>	
<b>Bond*</b>	<b>\$286,516,755</b>	<b>\$0</b>	<b>\$14,004,388</b>	
<b>* Includes SRF and WIFIA funding sourc</b>	<b>Grand Total</b>	<b>\$298,293,025</b>	<b>\$12,119,875</b>	<b>\$22,868,297</b>