

# APPENDIX 2

## Expenditure Forecast Report with Planned NTP and SC dates

# Understanding the Expenditure Forecast

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Capital expenditure forecasts, also referred to as projected cashflows, are presented in this section of the FY24 CIP document. Expenditure forecasts are accrual based, i.e., they are estimated based on when services are expected to be rendered. Projects appear in this report in the same order they appear on-line, i.e. organized by capital program area.

The following presents a description of each column in the expenditure forecast tables:

<b>Project and Subphase Names</b>	The first column of the expenditure forecast identifies the organizational hierarchy of the CIP: division area (i.e., Wastewater), followed by the program category (i.e., Interception and Pumping), then individual sub-phases (i.e. Design/CS/RI,) followed by the project name and dollar totals comprising all the sub-phases within that project (i.e. Braintree-Weymouth Relief Facilities). Sub-phases represent both awarded and unawarded contracts.
<b>Contract Number</b>	<p>Following each project name is a string of nine numbers. These numbers are assigned by the Rates and Budget Department and are the number reference for the sub-phase in MWRA's capital budgeting database.</p> <p>The first string is a five-digit number representing the MWRA Lawson Activity Management System sub-phase number. Project budgets and expenditures are tracked by this account number.</p> <p>Following the five-digit sub-phase number is a four-digit number representing the contract reference number in MWRA's contract management system. This reference number is used to access contract information such as the award amount, change order activity, and processed invoices.</p>
<b>Notice to Proceed (NTP) and Substantial Completion (SC)</b>	Project schedules are tracked by two key milestones; Notice to Proceed and Substantial Completion. These milestones indicate the expected start and end dates for contract activity.
<b>Contract Value</b>	The Contract Value represents the budgeted amount for the capital program, divisions, program categories, projects, and sub-phases. For unawarded contracts, the contract amount is based on a cost estimate. For awarded contracts, this amount includes the award amount plus any change orders, amendments, and purchase orders accounted for prior to completing the budget.
<b>Payments through FY22</b>	Payments through FY22 include actual and accrued expenditures since the inception of the contract through the end of FY22.
<b>Remaining Balance</b>	Remaining Balance is calculated by subtracting Payments through FY22 from the Contract Amount. This amount is then spread in the columns to the right, for FY23, FY24-28 and Beyond FY28.

**APPENDIX 2**  
**FY24 FIVE-YEAR CIP BY MAJOR PROGRAM CATEGORY**  
**FY24 by Quarters**

CAPITAL IMPROVEMENT PROGRAM													
EXPENDITURE FORECAST FY2024-2028													
(\$000)													
	Total Contract Amount	Project Payments Thr. FY22	Balance as of 6/30/22	QI FY24	QII FY24	QIII FY24	QIV FY24	FY24	FY25	FY26	FY27	FY28	5-Year Total FY24-28
<b>Wastewater System Improvements</b>	4,821,406	2,400,809	2,420,597	19,102	21,548	39,108	57,889	137,647	199,580	195,551	253,269	308,692	1,094,739
<b>Waterworks System Improvements</b>	5,072,429	2,336,392	2,736,037	20,579	21,637	28,694	70,832	141,742	162,378	131,260	114,348	114,136	663,865
<b>Business &amp; Operations Support</b>	212,870	116,644	96,226	3,200	5,091	4,859	10,097	23,247	21,200	10,596	6,178	4,933	66,153
<b>Total MWRA</b>	10,106,705	4,853,845	5,252,860	42,881	48,276	72,661	138,818	302,636	383,158	337,408	373,795	427,761	1,824,757
<b>Contingency</b>	310,448		310,448					15,185	21,753	20,719	23,567	31,729	112,952
<b>Total MWRA w/ Contingency</b>	10,417,153	4,853,845	5,563,308	42,881	48,276	72,661	138,818	317,821	404,911	358,127	397,362	459,490	1,937,709

**FY24 Capital Improvement Program (CIP)  
Expenditure Forecast**

Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
<b>Total MWRA</b>				<b>10,106,704,839</b>	<b>4,853,845,140</b>	<b>5,252,859,672</b>	<b>191,853,092</b>	<b>771,935,912</b>	<b>302,635,758</b>	<b>383,158,159</b>	<b>337,407,512</b>	<b>373,795,231</b>	<b>427,760,566</b>	<b>1,824,757,226</b>	<b>3,236,249,368</b>
<b>Wastewater</b>				<b>4,821,405,610</b>	<b>2,400,808,817</b>	<b>2,420,596,778</b>	<b>61,556,889</b>	<b>401,048,587</b>	<b>137,646,785</b>	<b>199,580,098</b>	<b>195,551,278</b>	<b>253,268,921</b>	<b>308,691,855</b>	<b>1,094,738,937</b>	<b>1,264,300,976</b>
<b>Interception &amp; Pumping</b>				<b>1,622,775,556</b>	<b>739,472,444</b>	<b>883,303,113</b>	<b>29,513,953</b>	<b>166,586,266</b>	<b>31,024,410</b>	<b>40,788,289</b>	<b>34,566,734</b>	<b>82,808,557</b>	<b>110,349,630</b>	<b>299,537,620</b>	<b>554,251,533</b>
<b>102 Quincy Pump Facilities Total</b>		<b>completed project</b>		<b>25,907,202</b>	<b>25,907,202</b>	<b>-</b>									
<b>104 Braintree-Weymouth (B/W) Relief Facilities</b>															
Geotechnical - Marine	10001_5333	Nov-91	Apr-92	442,860	442,860	-	-	-	-	-	-	-	-	-	-
Geotechnical - Land	10044_5332	Nov-91	Mar-92	7,980	7,980	-	-	-	-	-	-	-	-	-	-
Facilities Planning - Phase 1	10045_5311	Oct-81	Dec-90	331,140	331,140	-	-	-	-	-	-	-	-	-	-
Environmental Impact Report (EIR) - Phase 1	10046_5312	Nov-84	Oct-90	513,530	513,530	-	-	-	-	-	-	-	-	-	-
Design 1/CS/RI	10047_5313	Nov-94	Jun-06	18,882,312	18,882,312	-	-	-	-	-	-	-	-	-	-
Land Acquisition	10048_5314	Mar-97	Jun-10	12,841,909	12,841,908	-	-	-	-	-	-	-	-	-	-
Tunnel Construction/Rescue	10049_5315	Jun-99	Jul-03	83,190,599	83,190,599	-	-	-	-	-	-	-	-	-	-
Intermediate Pump Station-Construction	10050_5316	Dec-00	Apr-05	47,444,929	47,444,929	-	-	-	-	-	-	-	-	-	-
North Weymouth Relief Interceptor	10051_5303	Mar-01	Jun-02	4,704,618	4,704,618	-	-	-	-	-	-	-	-	-	-
HDD Siphon - Construction	10052_5373	Jul-03	May-07	16,357,407	16,357,407	-	-	-	-	-	-	-	-	-	-
B/W Replacement Pump Station	10054_5375	Jan-05	Apr-08	17,728,028	17,728,028	-	-	-	-	-	-	-	-	-	-
Design - Rehab	10055_5308	Sep-88	Dec-89	23,710	23,710	-	-	-	-	-	-	-	-	-	-
Construction - Rehab	10056_5309	Jan-92	Dec-96	255,490	255,490	-	-	-	-	-	-	-	-	-	-
Final EIR/Facility Plan	10057_5324	Apr-91	Aug-93	1,111,007	1,111,007	-	-	-	-	-	-	-	-	-	-
Design 2/CS/RI	10058_5331	Apr-95	Dec-11	14,999,141	14,999,141	-	-	-	-	-	-	-	-	-	-
Rehabilitation of Section 624 - Construction	10060_5310	Jul-10	Dec-10	2,505,767	2,505,767	-	-	-	-	-	-	-	-	-	-
Technical Assistance	10061_5951	Nov-84	Apr-07	144,264	144,264	-	-	-	-	-	-	-	-	-	-
Sedimentation Testing	10251_6016	Sep-94	Apr-96	95,880	95,880	-	-	-	-	-	-	-	-	-	-
Legal	10263_6072	Jul-95	Apr-08	849,335	849,326	9	-	106	-	-	-	-	-	-	-
Hazardous Waste	10265_6074	Jul-95	Apr-07	7,937	7,937	-	-	-	-	-	-	-	-	-	-
Marine Pipeline - Design	10278_6119	Feb-97	Aug-97	1,100,000	1,100,000	-	-	-	-	-	-	-	-	-	-
Mill Cove Siphon - Construction	10302_6368	Aug-97	Jun-98	2,748,908	2,748,908	-	-	-	-	-	-	-	-	-	-
Community Technical Assistance	10354_6631	Jul-99	Apr-07	1,111,451	1,111,451	-	-	-	-	-	-	-	-	-	-
Geotechnical Consultant	10375_6766	Sep-00	Mar-03	56,045	56,045	-	-	-	-	-	-	-	-	-	-
Intermediate Pump Station (IPS/RPS) Communication System	10378_6792	Dec-02	Apr-08	224,884	224,884	-	-	-	-	-	-	-	-	-	-
Wetlands Replication	10470_7290			25,607	25,606	1	-	-	-	-	-	-	-	-	-
Mill Cove Siphon Sluice Gates - Design	10479_7326	Apr-29	Apr-32	974,630	-	974,630	-	-	-	-	-	-	-	-	974,630
Mill Cove Sluice Gates - Construction	10480_7327	Aug-30	Apr-31	2,473,682	-	2,473,682	-	-	-	-	-	-	-	-	2,473,683
B/W Improvements - Construction	10493_7366	Sep-22	Jun-24	13,489,975	-	13,489,975	3,527,319	3,527,319	9,725,947	236,709	-	-	-	-	9,962,656
IPS Transformer Replacement	18670_7995	Mar-23	Dec-24	293,392	-	293,392	30,500	30,500	-	262,892	-	-	-	-	262,892
B/W Improvements - Design/CS	19567_7435	Dec-18	Dec-24	2,239,568	1,188,720	1,050,848	348,534	1,537,254	702,314	-	-	-	-	-	702,314
B/W Improvements - Resident Engineering Inspection (REI)	19568_7683	Nov-22	Sep-24	858,575	-	858,575	206,058	206,058	480,804	171,714	-	-	-	-	652,518
<b>104 Braintree-Weymouth Relief Facilities Total</b>				<b>248,034,560</b>	<b>228,893,447</b>	<b>19,141,112</b>	<b>4,112,411</b>	<b>5,301,237</b>	<b>10,909,065</b>	<b>671,315</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>11,580,380</b>	<b>3,448,313</b>
<b>105 New Neponset Valley Relief Sewer Total</b>		<b>completed project</b>		<b>30,300,304</b>	<b>30,300,304</b>	<b>-</b>									
<b>106 Wellesley Extension Replacement Sewer Total</b>		<b>completed project</b>		<b>64,358,543</b>	<b>64,358,543</b>	<b>-</b>									
<b>107 Framingham Extension Relief Sewer Total</b>		<b>completed project</b>		<b>47,855,986</b>	<b>47,855,986</b>	<b>-</b>									
<b>127 Cummingsville Replacement Sewer Total</b>		<b>completed project</b>		<b>8,998,768</b>	<b>8,998,768</b>	<b>-</b>									
<b>130 Siphon Structure Rehabilitation</b>															

**FY24 Capital Improvement Program (CIP)  
Expenditure Forecast**

Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
Planning	10253_6017	Jan-96	Nov-98	937,670	937,670	-	-	-	-	-	-	-	-	-	-
Land Acquisition	10280_6165	Jan-22	Dec-23	200,000	2,100	197,900	147,900	147,900	50,000	-	-	-	-	50,000	-
Phase 1 Design/ Construction Administration (CA)	10293_6224	Apr-20	Apr-26	2,854,552	1,854,401	1,000,151	500,151	2,354,553	300,000	200,000	-	-	-	500,000	-
Construction	10294_6225	Oct-23	Apr-25	8,315,000	-	8,315,000	-	-	3,315,000	5,000,000	-	-	-	8,315,000	-
Phase 2 Land Acquisition	10600_7684	Jul-25	Jun-26	200,000	-	200,000	-	-	-	-	200,000	-	-	200,000	-
Phase 2 Design/ CA	10601_7685	Jan-26	Jan-31	2,855,000	-	2,855,000	-	-	-	-	300,000	818,000	818,000	1,936,000	-
Phase 2 Construction	10602_7686	Jan-28	Jan-30	7,000,000	-	7,000,000	-	-	-	-	-	-	1,000,000	1,000,000	6,000,000
Siphon Structure Rehabilitation Phase 1 REI	10603_7996	Oct-23	Apr-25	1,000,000	-	1,000,000	-	-	400,000	600,000	-	-	-	1,000,000	-
Siphon Structure Rehabilitation Phase 2 REI	10604_7997	Jan-28	Jan-30	1,000,000	-	1,000,000	-	-	-	-	-	-	250,000	250,000	750,001
<b>130 Siphon Structure RehabilitationTotal</b>				<b>24,362,222</b>	<b>2,794,171</b>	<b>21,568,051</b>	<b>648,051</b>	<b>2,502,453</b>	<b>4,065,000</b>	<b>5,800,000</b>	<b>500,000</b>	<b>818,000</b>	<b>2,068,000</b>	<b>13,251,000</b>	<b>6,750,001</b>
<b>131 Upper Neponset Valley Sewer System Total</b>			<b>completed project</b>	<b>54,174,077</b>	<b>54,174,077</b>	<b>-</b>									
<b>132 Corrosion &amp; Odor Control</b>															
Planning/Study	10279_6137	Jan-97	Dec-98	587,422	587,422	-	-	-	-	-	-	-	-	-	-
Land Acquisition	10323_6549	Aug-02	Jun-05	27,846	27,846	-	-	16,014	-	-	-	-	-	-	-
Legal	10325_6551	Dec-00	Jul-08	1,925	1,925	-	-	-	-	-	-	-	-	-	-
Design/Construction Services (CS)/Resident Inspection (RI)	10327_6553	Aug-02	Jun-05	1,787,912	1,787,912	-	-	-	-	-	-	-	-	-	-
Interim Corrosion Control	10373_6743	Jul-00	Dec-01	620,805	620,805	-	-	-	-	-	-	-	-	-	-
FES/FERS Biofilters - Design	10406_6919	Jul-32	May-35	1,393,340	-	1,393,340	-	-	-	-	-	-	-	-	1,393,340
FES/FERS Biofilters - Construction	10456_7215	Dec-33	Dec-34	2,280,011	-	2,280,011	-	-	-	-	-	-	-	-	2,280,011
System-wide Odor Control - Study	10491_7364	Jan-31	Jan-32	1,000,000	-	1,000,000	-	-	-	-	-	-	-	-	1,000,000
Nut Island (NI) Mechanical & Electrical Upgrades - Design/CA	10492_7365	Jul-28	Nov-33	4,800,000	-	4,800,000	-	-	-	-	-	-	-	-	4,800,000
NI System-wide Odor Control - Evaluation	10495_7494	Sep-15	Feb-17	487,280	487,280	-	-	-	-	-	-	-	-	-	-
NI Mechanical & Electrical Upgrades - Construction	10496_7495	Nov-30	Nov-32	20,000,000	-	20,000,000	-	-	-	-	-	-	-	-	20,000,000
NI Odor Control & HVAC Improvements - Design/CA/REI	10497_7517	Mar-17	Jun-24	8,730,752	6,673,078	2,057,673	1,221,754	5,212,068	835,919	-	-	-	-	835,919	-
NI Odor Control & HVAC Improvements - Phase 2	10498_7548	Feb-20	Jun-23	61,339,537	44,489,096	16,850,441	14,717,213	59,206,309	2,133,228	-	-	-	-	2,133,228	-
NI Mechanical & Electrical Upgrades - REI	10580_7635	Nov-30	Nov-32	440,000	-	440,000	-	-	-	-	-	-	-	-	440,000
<b>132 Corrosion &amp; Odor Control Total</b>				<b>103,496,830</b>	<b>54,675,364</b>	<b>48,821,465</b>	<b>15,938,967</b>	<b>64,434,391</b>	<b>2,969,147</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>2,969,147</b>	<b>29,913,351</b>
<b>136 West Roxbury Tunnel</b>															
Inspection	10299_6230	Jul-98	Sep-99	344,202	344,202	-	-	-	-	-	-	-	-	-	-
Tunnel Easements & Permits	10329_6566	Mar-10	Dec-15	53,789	53,789	-	-	-	-	-	-	-	-	-	-
Legal	10330_6567	Apr-00	Mar-10	2,133	2,133	-	-	-	-	-	-	-	-	-	-
Land Acquisition	10331_6568	Apr-00	Mar-10	440,154	440,154	-	-	-	-	-	-	-	-	-	-
Construction	10332_6569	Jun-01	Jun-02	6,673,671	6,673,671	-	-	-	-	-	-	-	-	-	-
Design/CS/RI	10333_6570	Apr-00	Jun-03	1,416,580	1,416,580	-	-	-	-	-	-	-	-	-	-
Technical Assistance	10366_6709	Nov-99	Mar-10	7,752	7,752	-	-	-	-	-	-	-	-	-	-
Tunnel - Design	10400_6897	Feb-09	Jun-11	1,375,292	1,375,292	-	-	-	-	-	-	-	-	-	-
Tunnel Inspection	10401_6898	Jan-24	Oct-24	650,000	-	650,000	-	-	325,000	325,000	-	-	-	650,000	-
<b>136 West Roxbury Tunnel Total</b>				<b>10,963,573</b>	<b>10,313,573</b>	<b>650,000</b>			<b>325,000</b>	<b>325,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>650,000</b>	<b>650,000</b>
<b>137 Wastewater Central Monitoring</b>															
Planning	10301_6232	Jan-98	Jul-99	563,425	563,425	-	-	-	-	-	-	-	-	-	-
Design and Integration Services	10319_6532	Jun-02	Jul-10	6,344,266	6,344,266	-	-	-	-	-	-	-	-	-	-
Construction 1 (CP1)	10320_6533	Mar-06	Jan-08	7,662,173	7,662,173	-	-	-	-	-	-	-	-	-	-
Construction 2 (CP2)	10321_6534	Feb-08	Jul-09	5,139,444	5,139,444	-	-	-	-	-	-	-	-	-	-
Technical Assistance	10322_6535	Sep-02	Jul-10	7,425	7,425	-	-	-	-	-	-	-	-	-	-
Equipment Prepurchase	10398_6861	Apr-05	Dec-09	65,408	-	65,408	-	105	-	-	-	-	-	-	-
Wastewater Redundant Communications	10490_7363	Sep-24	Nov-28	700,000	-	700,000	-	-	-	98,000	168,000	168,000	168,000	602,000	98,000
Design & Programming Services	10551_7578	Apr-18	Oct-27	3,470,000	41,324	3,428,676	-	41,324	-	-	250,000	250,000	250,000	750,000	2,678,676
Construction	10552_7579	Mar-26	Mar-28	1,420,000	-	1,420,000	-	-	-	-	59,167	710,000	650,833	1,420,000	-

**FY24 Capital Improvement Program (CIP)  
Expenditure Forecast**

Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
Equipment/Hardware	10553_7580	Jun-18	Oct-27	2,110,000	102,413	2,007,587	-	102,413	-	-	150,000	200,000	200,000	550,000	1,457,587
<b>137 Wastewater Central Monitoring Total</b>				<b>27,482,141</b>	<b>19,925,878</b>	<b>7,556,263</b>	<b>-</b>	<b>143,842</b>	<b>-</b>	<b>98,000</b>	<b>627,167</b>	<b>1,328,000</b>	<b>1,268,833</b>	<b>3,322,000</b>	<b>4,234,263</b>
<b>139 South System Relief Project</b>															
Archdale - CS/RI	10309_6419	Nov-98	Aug-99	5,379	5,379	-	-	-	-	-	-	-	-	-	-
Archdale - Construction	10310_6420	May-99	Aug-99	210,748	210,748	-	-	-	-	-	-	-	-	-	-
Sections 70 & 71 High Level Sewer (HLS) - Evaluation	10318_6519	Sep-98	Oct-99	215,140	215,140	-	-	-	-	-	-	-	-	-	-
Outfall 023 - Design	10345_6595	Jun-99	Sep-99	509	509	-	-	-	-	-	-	-	-	-	-
Outfall 023 - Cleaning	10346_6596	Apr-00	Nov-00	1,097,526	1,097,526	-	-	-	-	-	-	-	-	-	-
Land Acquisition/Easements	10347_6605	Apr-99	Apr-05	5,053	5,053	-	-	-	-	-	-	-	-	-	-
Sections 70 & 71 HLS - Construction	10349_6611	Jun-99	Oct-99	417,021	417,021	-	-	-	-	-	-	-	-	-	-
Milton Financial Assistance	10350_6616	Oct-99	Jun-00	1,487,868	1,487,868	-	-	-	-	-	-	-	-	-	-
Outfall 023 - Structural Improvements	10386_6801	Jan-30	Dec-31	1,500,000	-	1,500,000	-	-	-	-	-	-	-	-	1,500,000
<b>139 South System Relief Project Total</b>				<b>4,939,244</b>	<b>3,439,244</b>	<b>1,500,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,500,000</b>
<b>141 Wastewater Process Optimization</b>															
Planning	10367_6733	Aug-01	Aug-04	930,308	930,308	-	-	-	-	-	-	-	-	-	-
North System Hydraulic Study	10412_6930	Nov-11	Jun-15	560,840	560,840	-	-	(10,619)	-	-	-	-	-	-	-
Hydraulic Modeling Engineering - Design and Construction	19401_7412	Mar-19	Jun-31	6,819,023	681,076	6,137,947	27,444	708,520	-	-	-	-	-	-	6,110,503
<b>141 Wastewater Process Optimization Total</b>				<b>8,310,171</b>	<b>2,172,224</b>	<b>6,137,947</b>	<b>27,444</b>	<b>697,901</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6,110,503</b>
<b>142 Wastewater Meter System - Equipment Replacement</b>															
Planning / Study / Design	10371_6739	Jul-17	Mar-23	3,145,841	2,880,034	265,808	265,808	2,559,386	-	-	-	-	-	-	-
Equipment Purchase & Installation	10379_6793	Nov-03	Jun-08	5,137,912	5,137,912	-	-	-	-	-	-	-	-	-	-
Wastewater Metering Asset Protection/Equipment Purchase	10451_7191	Dec-20	Dec-42	12,746,155	3,943,333	8,802,822	129,129	4,072,462	-	-	-	-	-	-	8,673,693
<b>142 Wastewater Meter System - Equipment Replacement Total</b>				<b>21,029,908</b>	<b>11,961,279</b>	<b>9,068,630</b>	<b>394,937</b>	<b>6,631,848</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>8,673,693</b>
<b>143 Regional I/I Management &amp; Planning Total</b>				<b>completed project</b>	<b>168,987</b>	<b>168,987</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>145 Facility Asset Protection</b>															
Prison Point HVAC Upgrades - Construction	10380_6795	Dec-10	Dec-13	2,764,181	2,764,181	-	-	-	-	-	-	-	-	-	-
Remote Headworks Heating Syst Upgrade	10381_6796	May-05	May-06	1,175,181	1,175,181	-	-	-	-	-	-	-	-	-	-
Alewif Brook Pump Station Rehabilitation - Construction	10382_6797	Jan-16	Apr-19	13,485,007	13,485,007	-	-	3,711,730	-	-	-	-	-	-	-
Rehabilitation of Section 93A Lexington	10383_6798	Jul-03	Apr-04	1,565,742	1,565,742	-	-	-	-	-	-	-	-	-	-
Chelsea Creek Upgrades - REI	10387_6802	Nov-16	Feb-21	3,446,834	3,061,150	385,684	385,684	2,582,240	-	-	-	-	-	-	-
Technical Assistance	10392_6829	Jul-02	Mar-22	286,475	205,682	80,793	80,793	188,798	-	-	-	-	-	-	-
Sections 80 & 83	10394_6842	Apr-07	Sep-07	364,590	364,590	-	-	-	-	-	-	-	-	-	-
Section 160	10395_6843	Jun-07	Dec-08	1,581,369	1,581,369	-	-	-	-	-	-	-	-	-	-
Survey	10396_6857	Nov-04	May-05	10,708	10,708	-	-	-	-	-	-	-	-	-	-
Permits	10397_6858	May-03	May-25	17,414	17,459	(45)	(45)	2,435	-	-	-	-	-	-	-
Remote Headworks Concept Plan	10399_6886	May-08	Sep-09	670,436	670,436	-	-	-	-	-	-	-	-	-	-
Construction Cambridge Branch Sewer (CB) 1 Sect 23, 24, 25,26 (Sont Renairs)	10418_6936	Apr-26	Apr-28	10,000,000	-	10,000,000	-	-	-	-	-	5,000,000	5,000,000	10,000,000	-
Alewif Brook Pump Stn Rehab - Des/CA	10419_6937	Apr-10	Oct-11	223,194	223,194	-	-	-	-	-	-	-	-	-	-
Prison Point HVAC Upgrades - Design	10420_6938	Jan-08	Mar-13	441,387	441,387	-	-	-	-	-	-	-	-	-	-
93 A Force Main Replacement	10423_6987	May-06	Jan-07	461,962	461,962	-	-	-	-	-	-	-	-	-	-
Mill Brook Valley Sewer Section 79 & 9 2	10424_7004	Jun-04	Mar-05	542,292	542,292	-	-	-	-	-	-	-	-	-	-
Hingham Pump Station Isolation Gate - Construction	10427_7033	Sep-11	May-12	124,500	124,500	-	-	-	-	-	-	-	-	-	-
Alewif Brook Pump Station - Final Design/CA/REI	10428_7034	Mar-12	Feb-20	2,175,346	2,175,346	-	-	540,445	-	-	-	-	-	-	-
Caruso Pump Station Improvements - Design/CA/REI	10431_7037	Aug-12	Jun-17	861,097	861,097	-	-	-	-	-	-	-	-	-	-
Land/Easements	10440_7073	Jul-03	Jun-10	154,786	154,786	-	-	51,400	-	-	-	-	-	-	-
Nut Island Headworks Fire Alarm/Wire Conduit	10444_7144	Jun-09	Dec-09	285,391	285,391	-	-	-	-	-	-	-	-	-	-
Chelsea Creek Upgrades - Construction	10445_7161	Nov-16	Apr-21	84,122,234	82,481,613	1,640,621	1,640,621	52,592,100	-	-	-	-	-	-	-



**FY24 Capital Improvement Program (CIP)  
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Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
Fuel Oil Tank Replacement - Construction Phase 3	10539_7637	Nov-23	Nov-25	3,750,000	-	3,750,000	-	-	500,000	2,642,857	607,143	-	-	3,750,000	
Hayes Pump Station Rehabilitation - REI	10540_7668	Dec-23	Aug-26	1,000,000	-	1,000,000	-	-	342,850	342,850	314,300	-	-	1,000,000	
Somerville-Marginal CSO Facility Rehabilitation	10545_7688	Oct-25	Oct-27	12,500,000	-	12,500,000	-	-	-	-	2,708,333	7,250,000	2,541,667	12,500,000	
Somerville-Marginal CSO Facility Rehabilitation - Design/CA	10546_7689	Oct-23	Oct-28	3,000,000	-	3,000,000	-	-	300,000	900,000	1,000,000	600,000	200,000	3,000,000	
Interceptor Renewal 7 - REI	10547_7751	Jul-24	Jul-26	1,300,000	-	1,300,000	-	-	-	700,000	327,000	273,000	-	1,300,000	
Remote Headworks Shaft Access Improvements - ESDC/REI	10548_7781	Jun-22	Mar-23	338,500	-	338,500	338,500	338,500	-	-	-	-	-	-	-
Chelsea Creek Headworks Radio Equipment	10550_7785	Sep-22	May-23	269,750	-	269,750	269,750	269,750	-	-	-	-	-	-	-
DeLauri Pump Station Rehabilitation - Design	10820_7824	Jul-26	Jul-31	1,500,000	-	1,500,000	-	-	-	-	-	225,000	300,000	525,000	975,000
DeLauri Pump Station Rehabilitation - REI	10821_7825	Jul-28	Jul-30	1,000,000	-	1,000,000	-	-	-	-	-	-	-	-	1,000,000
DeLauri Pump Station Rehabilitation	10822_7826	Jul-28	Jul-30	12,500,000	-	12,500,000	-	-	-	-	-	-	-	-	12,500,000
Hingham Pump Station Rehabilitation - Design	10823_7827	Dec-23	Dec-28	1,900,000	-	1,900,000	-	-	190,000	380,000	380,000	380,000	380,000	1,710,000	190,000
Hingham Pump Station Rehabilitation - REI	10824_7796	Dec-26	Dec-28	600,000	-	600,000	-	-	-	-	-	300,000	187,000	487,000	113,000
Hingham Pump Station Rehabilitation	10825_7797	Dec-26	Dec-28	7,500,000	-	7,500,000	-	-	-	-	-	3,750,000	3,000,000	6,750,000	750,000
Houghs Neck Pump Station Rehabilitation - Design	10826_7798	Jul-26	Jul-31	600,000	-	600,000	-	-	-	-	-	90,000	120,000	210,000	390,000
Houghs Neck Pump Station Rehabilitation - REI	10827_7799	Jul-28	Jul-30	400,000	-	400,000	-	-	-	-	-	-	-	-	400,000
Houghs Neck Pump Station Rehabilitation	10828_7828	Jul-28	Jul-30	5,000,000	-	5,000,000	-	-	-	-	-	-	-	-	5,000,000
Somerville-Marginal CSO Rehabilitation - REI	10829_7829	Oct-25	Oct-27	1,000,000	-	1,000,000	-	-	-	-	250,000	700,000	50,000	1,000,000	
Cottage Farm Rehabilitation & PCB Abatement - Design/CA/REI	10831_7970	Dec-25	Dec-32	3,700,000	-	3,700,000	-	-	-	-	176,191	528,571	528,571	1,233,333	2,466,667
Cottage Farm Rehabilitation & PCB Abatement - Construction	10832_7971	Dec-28	Dec-31	20,000,000	-	20,000,000	-	-	-	-	-	-	-	-	20,000,000
Phase IV Fuel Storage Tank Replacements	10833_7986	Jul-24	Dec-25	1,500,000	-	1,500,000	-	-	-	750,000	750,000	-	-	1,500,000	
Phase V Fuel Storage Tank Replacements	10834_7987	Jan-29	Jun-30	1,500,000	-	1,500,000	-	-	-	-	-	-	-	-	1,500,000
Belle Isle Sandcatcher Rehabilitation	10835_7988	Feb-25	Feb-26	4,000,000	-	4,000,000	-	-	-	1,000,000	3,000,000	-	-	4,000,000	
Belle Isle Rehabilitation - Design/ESDC/REI	10836_7989	Aug-23	Feb-27	1,900,000	-	1,900,000	-	-	475,000	475,000	475,000	475,000	-	1,900,000	
Prison Point Construction 2 - Discharge Piping Rehabilitation	10838_8013	Oct-23	Oct-24	800,000	-	800,000	-	-	500,000	300,000	-	-	-	800,000	
Cambridge Branch 3, Section 25/26 Replacement - Design	10839_8014	Jul-28	Jun-33	3,000,000	-	3,000,000	-	-	-	-	-	-	-	-	3,000,000
Cambridge Branch 3, Section 25/26 Replacement - Construction	10840_8015	Jul-30	Jun-32	30,000,000	-	30,000,000	-	-	-	-	-	-	-	-	30,000,000
Prison Point Rehabilitation	10841_8020	Aug-26	Aug-28	38,679,000	-	38,679,000	-	-	-	-	-	13,872,000	14,807,000	28,679,000	10,000,000
New Neponset Pump Station Rehabilitation - Construction	10842_8037	Jul-32	Jul-34	20,000,000	-	20,000,000	-	-	-	-	-	-	-	-	20,000,000
New Neponset Pump Station Rehabilitation - Design/ESDC	10843_8038	Jul-30	Jul-35	3,000,000	-	3,000,000	-	-	-	-	-	-	-	-	3,000,000
New Neponset Pump Station Rehabilitation - REI	10844_8039	Jul-32	Jul-34	1,000,000	-	1,000,000	-	-	-	-	-	-	-	-	1,000,000
Framingham Pump Station Rehabilitation - Design/ESDC	10845_8040	Jul-30	Jul-35	3,000,000	-	3,000,000	-	-	-	-	-	-	-	-	3,000,000
Framingham Pump Station Rehabilitation - REI	10846_8041	Jul-32	Jul-34	1,000,000	-	1,000,000	-	-	-	-	-	-	-	-	1,000,000
Framingham Pump Station Rehabilitation - Construction	10847_8042	Jul-32	Jul-34	20,000,000	-	20,000,000	-	-	-	-	-	-	-	-	20,000,000
Quincy Pump Station Rehabilitation - Design/ESDC	10848_8043	Jul-28	Jul-33	3,000,000	-	3,000,000	-	-	-	-	-	-	-	-	3,000,000
Quincy Pump Station Rehabilitation - REI	10849_8044	Jul-30	Jul-32	1,000,000	-	1,000,000	-	-	-	-	-	-	-	-	1,000,000
Quincy Pump Station Rehabilitation - Construction	10850_8045	Jul-30	Jul-32	20,000,000	-	20,000,000	-	-	-	-	-	-	-	-	20,000,000
Squantum Pump Station - Design/ESDC	10851_8046	Jul-28	Jul-33	3,000,000	-	3,000,000	-	-	-	-	-	-	-	-	3,000,000
Squantum Pump Station - REI	10852_8047	Jul-30	Jul-32	1,000,000	-	1,000,000	-	-	-	-	-	-	-	-	1,000,000
Squantum Pump Station - Construction	10853_8048	Jul-30	Jul-32	20,000,000	-	20,000,000	-	-	-	-	-	-	-	-	20,000,000
Intermediate Pump Station - Design/ESDC	10854_8049	Jul-28	Jul-33	5,000,000	-	5,000,000	-	-	-	-	-	-	-	-	5,000,000
Intermediate Pump Station - REI	10855_8050	Jul-30	Jul-32	1,500,000	-	1,500,000	-	-	-	-	-	-	-	-	1,500,000
Intermediate Pump Station - Construction	10856_8051	Jul-30	Jul-32	40,000,000	-	40,000,000	-	-	-	-	-	-	-	-	40,000,000
Sections 191 & 192 Rehabilitation	54012_7643	Jan-20	Jul-20	1,607,993	1,607,993	-	-	1,607,993	-	-	-	-	-	-	-
<b>145 Facility Asset Protection Total</b>				<b>936,695,540</b>	<b>173,533,397</b>	<b>763,162,145</b>	<b>8,392,143</b>	<b>86,874,594</b>	<b>12,756,198</b>	<b>32,018,974</b>	<b>30,939,567</b>	<b>80,037,557</b>	<b>107,012,797</b>	<b>262,765,093</b>	<b>492,004,909</b>
<b>146 D.I. Cross Harbor Tunnel</b>															
DI Cross Harbor Tunnels Inspection	10454_7199	Jul-24	Jun-29	5,000,000	-	5,000,000	-	-	-	1,875,000	2,500,000	625,000	-	5,000,000	
<b>146 D.I. Cross Harbor Tunnel Total</b>				<b>5,000,000</b>	<b>-</b>	<b>5,000,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>1,875,000</b>	<b>2,500,000</b>	<b>625,000</b>	<b>-</b>	<b>5,000,000</b>	
<b>147 Randolph Trunk Sewer Relief</b>															
Study	10461_7220	Jul-28	Jun-30	697,500	-	697,500	-	-	-	-	-	-	-	-	697,500



**FY24 Capital Improvement Program (CIP)  
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Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
<b>147 Randolph Trunk Sewer Relief Total</b>				<b>697,500</b>	<b>-</b>	<b>697,500</b>									<b>697,500</b>
<b>Treatment</b>				<b>1,626,192,049</b>	<b>348,359,987</b>	<b>1,277,832,057</b>	<b>9,871,663</b>	<b>57,074,861</b>	<b>56,228,653</b>	<b>109,474,262</b>	<b>132,143,004</b>	<b>138,097,168</b>	<b>159,819,524</b>	<b>595,762,611</b>	<b>672,197,785</b>
<b>182 Deer Island Primary and Secondary Treatment Total</b>		<b>completed project</b>		<b>(957,878)</b>	<b>(957,878)</b>	<b>-</b>									
<b>200 DI Plant Optimization Total</b>		<b>completed project</b>		<b>33,278,598</b>	<b>33,278,598</b>	<b>-</b>									
<b>206 Deer Island Treatment Plant (DITP) Asset Protection</b>															
DITP Roof Replacements	18045_6196	Jun-10	Jun-11	2,299,881	2,299,881	-	-	-	-	-	-	-	-	-	-
Digester & Storage Tank Rehabilitation - Construction	19161_6240	Jun-26	Jun-30	68,000,000	-	68,000,000	-	-	-	-	-	10,000,000	7,873,000	17,873,000	50,127,000
DISC Application	19162_6241			125,077	125,077	-	-	-	-	-	-	-	-	-	-
Pump Packing Replacement	19176_6422	Sep-03	Jun-08	732,447	732,447	-	-	-	-	-	-	-	-	-	-
Deminerlizer Construction	19177_6423	Jul-00	Dec-00	50,527	-	-	-	-	-	-	-	-	-	-	-
Odor Control Rehabilitation - Construction	19188_6538	Dec-27	Jun-31	80,000,000	-	80,000,000	-	-	-	-	-	-	9,692,000	9,692,000	70,308,000
Odor Control Rehabilitation - REI	19191_6592	Sep-27	Jun-31	6,200,000	-	6,200,000	-	-	-	-	-	-	1,630,000	1,630,000	4,570,000
Equipment Condition Monitoring	19193_6594	May-04	Jan-05	1,776,946	1,776,946	-	-	-	-	-	-	-	-	-	-
North Main Pump Station (NMPS) Winthrop Terminal Facility (WTF) Valve & Piping - ESDC/REI	19194_6598	Dec-14	Oct-18	1,486,644	1,486,644	-	-	(6,476)	-	-	-	-	-	-	-
Expansion Joint Repair - Design	19204_6668	Apr-99	Oct-04	149,421	149,421	-	-	-	-	-	-	-	-	-	-
Expansion Joint Repair - Construction 1	19205_6669	Aug-02	Nov-03	304,726	304,726	-	-	-	-	-	-	-	-	-	-
Expansion Joint Repair - Construction 2	19217_6704	Aug-12	Feb-14	1,893,500	1,893,500	-	-	-	-	-	-	-	-	-	-
As-needed Design Phase 6-1	19220_6721	May-09	Oct-12	1,910,867	1,910,867	-	-	-	-	-	-	-	-	-	-
As-needed Design Phase 6-2	19221_6722	May-09	Aug-12	1,743,843	1,743,843	-	-	-	-	-	-	-	-	-	-
Eastern Seawall Design/ESDC/REI	19222_6723	Oct-20	Jun-28	2,600,473	687,810	1,912,663	665,000	1,352,810	308,000	312,000	298,266	200,000	129,397	1,247,663	
Eastern Seawall Construction 1	19223_6724	Jan-25	Sep-28	18,000,000	-	18,000,000	-	-	-	2,000,000	3,000,000	2,000,000	2,000,000	9,000,000	9,000,000
Barge Berth Rehabilitation - Design/ESDC/REI	19224_6725	Apr-24	Aug-29	3,955,488	-	3,955,488	-	-	-	787,000	787,000	787,000	499,000	2,860,000	1,095,488
Barge Berth Rehabilitation - Construction	19225_6726	Oct-26	Aug-28	12,734,875	-	12,734,875	-	-	-	-	-	4,402,000	4,402,000	8,804,000	3,930,875
Rip-rap Material DITP	19226_6727	Mar-17	Jun-17	227,055	227,055	-	-	-	-	-	-	-	-	-	-
Digester Gas Flare No 4 - Design/ESDC	19227_6728	Oct-24	Jul-28	1,143,531	-	1,143,531	-	-	-	159,118	334,770	273,051	273,051	1,039,990	103,541
Digester Gas Flare No. 4 - Construction	19228_6729	Apr-26	Jul-27	2,668,239	-	2,668,239	-	-	-	-	-	2,000,000	668,239	2,668,239	-
Combined Heat & Power (CHP) - Design/ESDC/REI	19229_6730	Sep-23	Jul-31	14,500,000	-	14,500,000	-	-	713,750	3,059,000	2,419,000	1,240,000	1,240,000	8,671,750	5,828,250
Roof Replacement - Phase I	19230_6731	Mar-09	Mar-10	2,749,941	2,749,941	-	-	-	-	-	-	-	-	-	-
Drive Chain Replacement	19231_6742	Oct-01	Jul-03	264,000	264,000	-	-	-	-	-	-	-	-	-	-
Busduct Replacement (2+22)	19236_6763	Jan-01	Oct-01	195,500	195,500	-	-	-	-	-	-	-	-	-	-
Reline Hypochlorite Tanks 1 & 3	19237_6764	May-07	Nov-07	1,691,095	1,691,095	-	-	-	-	-	-	-	-	-	-
Combustion Turbine Generator (CTG) Modifications	19238_6765	Mar-01	May-02	482,339	482,339	-	-	-	-	-	-	-	-	-	-
Electrical Equipment Upgrade - Construction 2	19239_6767	Apr-05	Feb-07	1,913,183	1,913,183	-	-	-	-	-	-	-	-	-	-
Document Format Conversion	19241_6791	May-07	Jun-19	68,110	68,110	-	-	-	-	-	-	-	-	-	-
Outfall Modification - Inspection	19243_6811	Dec-01	Jul-02	173,500	173,500	-	-	-	-	-	-	-	-	-	-
Secondary Clarifier Access	19244_6812	Sep-01	Jul-02	274,874	274,874	-	-	-	-	-	-	-	-	-	-
Transformer Replacement	19245_6813			1,703,072	1,703,072	-	-	-	-	-	-	-	-	-	-
Digested Sludge Pump (DSP) Pump Replacement - Phase 2	19246_6821	Jan-16	Jul-17	2,672,377	2,672,377	-	-	(1,000)	-	-	-	-	-	-	-
Co-Digestion Design/Build	19247_6822	Aug-31	Feb-33	5,000,000	-	5,000,000	-	-	-	-	-	-	-	-	5,000,000
Reline Hypochlorite Tanks 2 & 4	19250_6849	Apr-08	Oct-08	2,241,692	2,241,692	-	-	-	-	-	-	-	-	-	-
Chemical Pipe Replacement - Design	19252_6851	Dec-28	Mar-33	2,000,000	-	2,000,000	-	-	-	-	-	-	-	-	2,000,000
Chemical Pipe Replacement - Construction	19253_6852	Nov-23	Nov-25	7,000,000	-	7,000,000	-	-	1,000,000	3,000,000	3,000,000	-	-	7,000,000	-
Electrical Equipment Upgrade - Construction 3	19256_6855	Feb-08	Aug-11	15,173,750	15,173,750	-	-	-	-	-	-	-	-	-	-
WTF Variable Frequency Drive (VFD) Replacement - Construction	19258_6875	Jun-16	Apr-21	11,964,176	11,964,176	-	-	8,349,403	-	-	-	-	-	-	-
Heat Loop Pipe Replacement - Construction 1	19259_6876	Mar-05	Dec-05	615,000	615,000	-	-	-	-	-	-	-	-	-	-
Secondary Reactor VFDs	19260_6877	May-05	Aug-16	3,232,191	3,232,191	-	-	(1,000)	-	-	-	-	-	-	-

**FY24 Capital Improvement Program (CIP)  
Expenditure Forecast**

Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
Grit Air Handler Replacements	19264_6881	Jul-08	Jun-10	2,029,247	2,029,247	-	-	-	-	-	-	-	-	-	-
Continuous Emissions Monitoring Systems (CEMS) Equipment Replacement	19265_6882	Nov-05	Mar-06	100,392	100,392	-	-	-	-	-	-	-	-	-	-
Heat Loop Pipe Replacement - Construction 2	19266_6883	Dec-06	Feb-08	1,488,356	1,488,356	-	-	-	-	-	-	-	-	-	-
PICS Replacement - Construction	19267_6884	Jul-11	Sep-15	1,229,952	1,229,952	-	-	-	-	-	-	-	-	-	-
Primary & Secondary Clarifier Rehabilitation -Construction	19268_6899	Feb-09	Feb-12	58,613,089	58,613,089	-	-	-	-	-	-	-	-	-	-
Electrical Equipment Upgrade - Construction 4	19270_6901	May-13	May-16	7,831,148	-	-	-	(40,000)	-	-	-	-	-	-	-
NMPS VFD Replacement - Design/ESDC	19271_6902	Dec-07	Apr-12	1,277,604	1,277,604	-	-	-	-	-	-	-	-	-	-
NMPS VFD Replacement - Construction	19272_6903	Dec-11	Mar-16	24,432,063	24,432,063	-	-	-	-	-	-	-	-	-	-
Fire Alarm System Replacemen - Design	19273_6904	Dec-15	Aug-26	2,528,771	1,063,773	1,464,998	326,712	671,796	229,100	329,100	486,443	93,644	-	1,138,287	-
CHP Alternatives Study	19274_6963	Apr-19	Jan-22	1,098,531	1,081,967	16,564	16,564	1,098,531	-	-	-	-	-	-	-
Combined Heat & Power - Construction	19275_6964	Apr-26	Apr-31	114,000,000	-	114,000,000	-	-	-	-	10,750,000	12,750,000	20,750,000	44,250,000	69,750,000
Primary & Secondary Clarifier Rehabilitation - Design	19276_6965	Mar-09	Sep-13	1,677,666	1,677,666	-	-	-	-	-	-	-	-	-	-
Gravity Thickener Improvements - Construction	19277_6966	Apr-10	Jun-12	928,773	928,773	-	-	(4,345)	-	-	-	-	-	-	-
Steam Turbine Generator (STG) System Modifications - Design	19278_6967	Jun-09	Apr-11	(44,268)	(44,268)	-	-	-	-	-	-	-	-	-	-
Electrical Equipment Upgrade 3 - REI	19279_6968	Feb-08	Nov-11	1,111,984	1,111,984	-	-	-	-	-	-	-	-	-	-
NMPS Motor Control Center (MCC) - Construction	19283_6972	Jan-12	Apr-13	913,900	913,900	-	-	-	-	-	-	-	-	-	-
STG System Modifications - Construction	19284_6973	May-10	Apr-11	2,119,673	2,119,673	-	-	-	-	-	-	-	-	-	-
Digester Chiller Replacement	19287_7005	Sep-05	May-06	635,244	635,244	-	-	-	-	-	-	-	-	-	-
Dystor Tank Membrane Replacement	19288_7006	Sep-04	Oct-05	640,195	640,195	-	-	-	-	-	-	-	-	-	-
Fire Alarm System Replacement - Construction	19289_7051	Dec-23	Dec-27	35,000,000	-	35,000,000	-	-	2,500,000	8,000,000	8,000,000	7,500,000	9,000,000	35,000,000	-
Digester & Storage Tank Rehabilitation - Design/ESDC	19290_7052	Nov-23	Aug-31	6,000,000	-	6,000,000	-	-	410,000	610,000	610,000	610,000	610,000	2,850,000	3,150,000
Digester & Storage Tank Rehabilitation - REI	19291_7053	Jul-26	Mar-31	6,092,000	-	6,092,000	-	-	-	-	-	1,500,000	2,000,000	3,500,000	2,592,000
Thickened Primary Sludge Pump Replacement - Construction	19292_7054	Oct-13	Jun-14	27,297	27,297	-	-	-	-	-	-	-	-	-	-
Digester Modules 1 & 2 Pipe Replacemnt	19293_7055	Aug-11	Aug-14	7,096,335	7,096,335	-	-	-	-	-	-	-	-	-	-
Cathodic Protection - Construction	19294_7056	Sep-27	Mar-31	9,000,000	-	9,000,000	-	-	-	-	-	-	2,000,000	2,000,000	7,000,000
Centrifuge Backdrive Replacement	19295_7057	Feb-13	Mar-15	3,965,204	3,965,204	-	-	-	-	-	-	-	-	-	-
Switchgear Relay Replacement - Construction	19297_7059	Dec-28	Dec-31	8,000,000	-	8,000,000	-	-	-	-	-	-	-	-	8,000,000
Power Consultant Recommendations - Design	19298_7060	Jan-06	Jan-06	2,097,404	2,097,404	-	-	-	-	-	-	-	-	-	-
Power System Improvements - Construction	19299_7061	Jan-09	May-17	10,112,401	10,112,400	-	-	(4,906)	-	-	-	-	-	-	-
NMPS VFD Replacement - REI	19300_7062	Dec-12	Jun-16	740,442	740,442	-	-	-	-	-	-	-	-	-	-
Heat Loop Pipe Replacement - Construction 3	19301_7063	Jun-09	Jun-11	11,410,205	11,410,204	-	-	(136,187)	-	-	-	-	-	-	-
Odor Control Rehabilitation - Design/ESDC	19303_7088	Dec-23	Nov-31	8,500,000	-	8,500,000	-	-	568,000	1,568,000	1,502,000	1,102,000	1,093,000	5,833,000	2,667,000
Sodium Hypochlorite Tank Liner Removal	19304_7089	May-06	Sep-06	196,400	196,400	-	-	-	-	-	-	-	-	-	-
As-needed Design Phase 5-1	19305_7090	Aug-07	Aug-09	955,174	955,174	-	-	-	-	-	-	-	-	-	-
As-needed Design Phase 5-2	19306_7091	Jul-07	Jul-09	1,055,822	1,055,822	-	-	-	-	-	-	-	-	-	-
HVAC Equipment Replacement - REI	19307_7094	Jun-24	Oct-30	6,200,000	-	6,200,000	-	-	200,000	1,200,000	1,200,000	1,200,000	1,400,000	5,200,000	1,000,000
HVAC Equipment Replacement - Design/ESDC	19309_7111	Mar-14	Nov-19	1,434,296	1,434,296	-	-	45,145	-	-	-	-	-	-	-
HVAC Design/ESDC	19310_7110	Oct-23	Oct-31	3,000,000	-	3,000,000	-	-	125,000	350,000	350,000	350,000	350,000	1,525,000	1,475,000
Deer Island As-needed Technical Design	19311_7121	Jul-23	Jun-30	14,850,000	-	14,850,000	-	-	1,500,000	3,000,000	3,000,000	3,000,000	2,000,000	12,500,000	2,350,000
Radio Repeater System Upgrade 1	19312_7122	Oct-18	Nov-20	211,921	211,921	-	-	211,921	-	-	-	-	-	-	-
Digester Sludge Pump Replacement - Construction	19313_7123	Oct-09	Dec-14	1,870,723	1,870,723	-	-	77,577	-	-	-	-	-	-	-
Electrical Equipment Upgrade 5 - Construction	19314_7124	Dec-28	Dec-31	23,161,875	-	23,161,875	-	-	-	-	-	-	-	-	23,161,875
Miscellaneous VFD Replacements FY19-FY23	19315_7125	Oct-20	Jun-25	700,000	-	700,000	427,778	427,778	272,222	-	-	-	-	272,222	-
SSPS VFD Replacement - Design/ESDC/REI	19316_7126	Jun-21	Jun-29	8,297,069	667,170	7,629,898	2,898,210	3,565,380	1,678,076	1,495,544	623,253	300,000	300,000	4,396,873	334,815
SSPS VFD Replacement - Construction	19317_7127	Dec-24	Dec-29	80,500,000	-	80,500,000	-	-	-	1,500,000	14,000,000	15,000,000	15,000,000	45,500,000	35,000,000
NMPS VFD Replacement - Design/ESDC/REI	19318_7128	Jun-29	Dec-36	9,300,000	-	9,300,000	-	-	-	-	-	-	-	-	9,300,000
NMPS VFD Replacement - Construction	19319_7129	Dec-31	Dec-35	43,400,000	-	43,400,000	-	-	-	-	-	-	-	-	43,400,000
Electrical Equipment 5 - Design/ESDC/REI	19320_7130	Dec-28	Dec-34	6,700,000	-	6,700,000	-	-	-	-	-	-	-	-	6,700,000
Miscellaneous VFD Replacements FY18	19321_7131	Oct-17	Jun-18	498,000	498,000	-	-	48,000	-	-	-	-	-	-	-
Deer Island Switchgear Replacement - Design/ESDC/REI	19322_7132	Jul-28	Jul-33	4,500,000	-	4,500,000	-	-	-	-	-	-	-	-	4,500,000

**FY24 Capital Improvement Program (CIP)  
Expenditure Forecast**

Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
Deer Island Switchgear Replacement - Construction	19323_7133	Jul-30	Jul-32	25,000,000	-	25,000,000	-	-	-	-	-	-	-	-	25,000,000
Radio Repeater System Upgrade 2	19324_7134	Sep-22	Jun-25	2,499,500	-	2,499,500	600,000	600,000	1,000,000	899,500	-	-	-	1,899,500	-
Deer Island Dystor Membrane Replacements	19325_7135	Nov-23	Jul-24	5,000,000	-	5,000,000	-	-	2,500,000	2,500,000	-	-	-	5,000,000	-
Deer Island CTG Rebuilds	19326_7136	Jul-29	Jul-30	12,000,000	-	12,000,000	-	-	-	-	-	-	-	-	12,000,000
Centrifuge Replacements - Design/ESDC/REI	19327_7137	Dec-24	Jun-31	5,160,000	-	5,160,000	-	-	-	500,000	1,000,000	1,000,000	750,000	3,250,000	1,910,000
Centrifuge Replacements - Construction	19328_7138	Jul-28	Jul-31	16,640,000	-	16,640,000	-	-	-	-	-	-	-	-	16,640,000
Cryogenics Plant Equipment Replacement - Design/ESDC/REI	19329_7139	Mar-24	Dec-31	6,300,000	-	6,300,000	-	-	-	950,000	950,000	950,000	950,000	3,800,000	2,500,000
Cryogenics Plant Equipment Replacement - Construction	19330_7140	Apr-27	Dec-30	32,500,000	-	32,500,000	-	-	-	-	-	-	7,500,000	7,500,000	25,000,000
Sodium Hypochlorite and Bisulfite Tanks Replacement	19332_7142	Jul-29	Jul-33	40,000,000	-	40,000,000	-	-	-	-	-	-	-	-	40,000,000
Gas Protection System Replacement Phase 1	19333_7167	Sep-19	Oct-21	1,444,952	1,444,952	-	-	1,444,952	-	-	-	-	-	-	-
Personnel Dock Rehabilitation	19334_7168	Feb-17	Oct-17	1,367,835	1,367,835	-	-	(84,744)	-	-	-	-	-	-	-
Gas Protection System Replacement Phase 2	19335_7169	Dec-23	Dec-25	5,500,000	-	5,500,000	-	-	750,000	2,500,000	2,250,000	-	-	5,500,000	-
East/West Odor Control Air Handler Replacement	19336_7170	Jun-28	Jul-30	4,800,000	-	4,800,000	-	-	-	-	-	-	-	-	4,800,000
PICS Fiber Optic Loop Replacement	19338_7172	Jul-29	Jun-33	18,700,000	-	18,700,000	-	-	-	-	-	-	-	-	18,700,000
NMPS & WTF Butterfly Valve Replacement	19339_7275	Jun-14	Sep-17	17,513,566	17,513,566	-	-	-	-	-	-	-	-	-	-
Chemical Tank and Digester Pipe	19345_7373	Aug-19	Dec-21	8,769,899	8,769,899	-	-	8,769,899	-	-	-	-	-	-	-
Clarifier W3H Flushing System	19346_7374	Jul-12	Jul-13	1,262,406	1,262,406	-	-	-	-	-	-	-	-	-	-
Clarifier Rehabilitation Phase 2 - Design/ESDC	19347_7394	Jan-15	Dec-26	2,687,376	1,445,899	1,241,477	404,657	672,022	310,330	200,000	200,000	126,490	-	836,820	-
Clarifier Rehabilitation Phase 2 - Construction	19348_7395	Mar-23	Sep-28	289,359,690	-	289,359,690	-	-	24,750,000	50,000,000	50,000,000	50,000,000	50,000,000	224,750,000	64,609,690
Scum Skimmer Replacement	19349_7396	Oct-13	Oct-16	20,393,784	20,393,784	-	-	-	-	-	-	-	-	-	-
Clarifier Rehabilitation Phase 2 - REI	19351_7397	Dec-23	Sep-29	7,300,000	-	7,300,000	-	-	425,000	1,525,000	1,525,000	1,525,000	1,300,000	6,300,000	1,000,000
Cryogenics Chillers Replacement	19352_7398	Oct-14	Oct-16	3,218,470	3,218,470	-	-	(800)	-	-	-	-	-	-	-
As-Needed Design 7-1	19353_7399	Oct-12	Oct-15	1,547,446	1,547,445	-	-	-	-	-	-	-	-	-	-
As-Needed Design 7-2	19354_7400	Oct-12	Apr-16	1,060,919	1,060,919	-	-	-	-	-	-	-	-	-	-
Thermal Power Plant (TPP) Boiler Controls Replacement	19355_7401	Nov-14	Nov-16	1,619,520	1,619,520	-	-	-	-	-	-	-	-	-	-
Electrical Equipment Upgrade 6 - Construction	19557_7414	Dec-30	Dec-34	30,000,000	-	30,000,000	-	-	-	-	-	-	-	-	30,000,000
Fuel Pipe Abandonment	19558_7415	Aug-12	Jan-13	229,800	229,800	-	-	(200)	-	-	-	-	-	-	-
Electrical Equipment Upgrades 4 - REI	19559_7416	May-14	Oct-16	858,375	858,375	-	-	-	-	-	-	-	-	-	-
MCC & Switchgear Replacement - Design/ESDC/REI	19560_7419	Jan-17	Feb-26	2,879,672	808,379	2,071,293	498,844	700,000	588,162	600,000	384,287	-	-	1,572,449	-
MCC & Switchgear Replacement - Construction	19561_7420	Dec-23	Apr-27	23,500,000	-	23,500,000	-	-	6,000,000	7,000,000	7,000,000	3,500,000	-	23,500,000	-
Roof Replacement Phase 3	19562_7424	Sep-13	Jul-14	609,500	609,500	-	-	(1,000)	-	-	-	-	-	-	-
Fire System Replacement - REI	19563_7426	Dec-23	Dec-28	4,800,000	-	4,800,000	-	-	500,000	1,000,000	1,800,000	1,500,000	-	4,800,000	-
Gravity Thickener Center Column Replacement	19564_7427	Jan-13	Jan-14	825,457	825,457	-	-	-	-	-	-	-	-	-	-
Gravity Thickener Rehabilitation	19565_7428	May-18	Sep-21	20,196,908	20,184,308	12,600	12,600	19,789,408	-	-	-	-	-	-	-
As-Needed Design 7-3	19566_7434	Oct-12	Apr-16	950,148	950,148	-	-	-	-	-	-	-	-	-	-
As-Needed Design 8-1	19600_7501	Jul-16	Jul-19	748,098	727,037	21,061	21,061	303,575	-	-	-	-	-	-	-
As-Needed Design 8-2	19601_7502	Jul-16	Jul-19	794,199	794,199	-	-	411,309	-	-	-	-	-	-	-
As-Needed Design 8-3	19602_7503	Jul-16	Mar-21	917,678	917,678	-	-	509,642	-	-	-	-	-	-	-
Hydroturbine Replacement - Design/ESDC/REI	19603_7570	Jul-25	Jul-33	4,800,000	-	4,800,000	-	-	-	-	300,000	500,000	700,000	1,500,000	3,300,000
Hydroturbine Replacement - Construction	19604_7571	Jul-28	Jul-32	15,200,000	-	15,200,000	-	-	-	-	-	-	-	-	15,200,000
As-Needed Des 9-1	19605_7644	Jul-19	Jun-23	1,600,000	873,836	726,164	433,211	1,307,046	292,954	-	-	-	-	292,954	-
As-Needed Des 9-2	19606_7645	Sep-19	Jun-23	1,600,000	795,649	804,351	586,675	1,382,324	217,676	-	-	-	-	217,676	-
As-Needed Des 9-3	19607_7646	Sep-19	Sep-22	600,000	-	600,000	600,000	600,000	-	-	-	-	-	-	-
DTP Roofing Replacement	19609_7734	Aug-23	May-24	9,000,000	-	9,000,000	-	-	4,000,000	5,000,000	-	-	-	9,000,000	-
HVAC Control System Replacement	19610_7745	Jun-24	Oct-30	22,000,000	-	22,000,000	-	-	-	4,000,000	4,000,000	4,000,000	4,000,000	16,000,000	6,000,000
HVAC Fume Hoods Replacement	19611_7746	May-25	Feb-30	19,000,000	-	19,000,000	-	-	-	2,000,000	4,000,000	4,000,000	6,000,000	12,000,000	7,000,000
HVAC Mechanical Equipment Replacement	19612_7747	May-25	Oct-30	22,000,000	-	22,000,000	-	-	-	4,000,000	4,000,000	4,000,000	4,000,000	12,000,000	10,000,000
Hypochlorite & Bisulfite Tanks - Design/ESDC	19613_7749	Jul-28	Jul-34	6,700,000	-	6,700,000	-	-	-	-	-	-	-	-	6,700,000
Electrical Equipmnt Upgrades 6 - Design/ESDC	19614_7750	Dec-30	Dec-36	7,000,000	-	7,000,000	-	-	-	-	-	-	-	-	7,000,000
Replacement of Odor Control Dampers	19615_7913	Jan-22	Jan-23	539,701	180,781	358,920	358,920	539,701	-	-	-	-	-	-	-
As-Needed Design 10-1	19616_8018	Sep-23	Feb-26	2,400,000	-	2,400,000	-	-	400,000	800,000	1,200,000	-	-	2,400,000	-

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Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
As-Needed Design 10-2	19617_7981	Sep-23	Feb-26	2,400,000	-	2,400,000	-	-	400,000	800,000	1,200,000	-	-	2,400,000	
As-Needed Design 10-3	19618_7982	Sep-23	Feb-26	2,400,000	-	2,400,000	-	-	400,000	800,000	1,200,000	-	-	2,400,000	
Co-Digestion Temporary Facilities	26073_7148	Sep-13	Jun-15	433,832	433,832	-	-	-	-	-	-	-	-	-	
<b>206 Deer Island Treatment Plant Asset Protection Total</b>				<b>1,556,031,959</b>	<b>297,106,768</b>	<b>1,258,925,187</b>	<b>7,850,232</b>	<b>52,597,561</b>	<b>52,038,270</b>	<b>106,444,262</b>	<b>129,370,019</b>	<b>135,409,185</b>	<b>158,109,687</b>	<b>581,371,423</b>	<b>669,703,534</b>
<b>210 Clinton Wastewater Treatment Plant (CWWTP)</b>															
Clinton Soda Ash Replacement	19302_7075	Nov-07	Aug-08	267,221	267,221	-	-	-	-	-	-	-	-	-	
Clinton Permanent Standby Generator	19308_7095	Feb-07	Nov-07	230,440	230,440	-	-	-	-	-	-	-	-	-	
Clinton Concrete Repairs - Design	19340_7276	Feb-13	Dec-13	62,615	62,615	-	-	-	-	-	-	-	-	-	
Clinton Digester Cleaning & Rehabilitation	19341_7277	May-10	Apr-17	3,442,672	3,442,672	-	-	-	-	-	-	-	-	-	
Clinton Aeration Efficiency Improvement	19342_7278	Apr-12	Feb-13	1,864,562	1,864,561	-	-	-	-	-	-	-	-	-	
CWWTP Rehabilitation - Design/ESDC/REI	19343_7371	Dec-24	Jun-29	2,000,000	-	2,000,000	-	-	-	200,000	500,000	500,000	400,000	1,600,000	400,000
Valves and Pipe Replacement	19344_7372	Sep-20	Dec-21	488,946	488,946	-	-	488,946	-	-	-	-	-	-	
Phosphorus Reduction - Design/ESDC	19350_7377	Nov-13	Mar-19	1,435,598	1,435,598	-	-	19,646	-	-	-	-	-	-	
Phosphorus Reduction - Construction	19400_7411	Mar-16	Mar-18	7,511,835	7,511,835	-	-	926,102	-	-	-	-	-	-	
Clinton Roofing Rehabilitation	19405_7450	Sep-18	Sep-19	807,004	807,004	-	-	807,004	-	-	-	-	-	-	
CWWTP Rehabilitation - Construction	19406_7451	Dec-25	Jun-29	4,392,071	-	4,392,071	-	-	-	-	500,000	2,187,983	1,309,837	3,997,820	394,251
NGRID Gas Line	19407_7528	Apr-16	Jun-17	395,762	395,762	-	-	-	-	-	-	-	-	-	
Screw Pump Replacement Phase 2 - Construction	19408_7591	Mar-24	Mar-26	3,452,985	-	3,452,985	-	-	200,000	1,880,000	1,372,985	-	-	3,452,985	
Digester Cover Replacement	19409_7648	Oct-23	May-24	2,100,000	-	2,100,000	200,000	200,000	1,900,000	-	-	-	-	1,900,000	
Equipment Storage Building	19410_7693	Jun-30	Jun-32	700,000	-	700,000	-	-	-	-	-	-	-	-	700,000
Screw Pump Replacement	19411_7704	Nov-21	May-23	3,452,985	214,171	3,238,814	1,821,431	2,035,602	1,417,383	-	-	-	-	1,417,383	
Clinton Clariflocculator Valve Repl	19412_7735	Aug-23	Aug-24	1,100,000	-	1,100,000	-	-	500,000	600,000	-	-	-	1,100,000	
Clinton SCADA Upgrades	19413_7736	Jul-24	Jul-26	750,000	-	750,000	-	-	-	350,000	400,000	-	-	750,000	
Landfill Cell No.1 Closure	19414_7754	Oct-28	Oct-29	1,000,000	-	1,000,000	-	-	-	-	-	-	-	-	1,000,000
Influent Sampler Enclosure	19415_8071	Jul-23	Dec-24	173,000	-	173,000	-	-	173,000	-	-	-	-	173,000	
<b>210 Clinton Wastewater Treatment Plant Total</b>				<b>35,627,696</b>	<b>16,720,825</b>	<b>18,906,870</b>	<b>2,021,431</b>	<b>4,477,300</b>	<b>4,190,383</b>	<b>3,030,000</b>	<b>2,772,985</b>	<b>2,687,983</b>	<b>1,709,837</b>	<b>14,391,188</b>	<b>2,494,251</b>
<b>211 Laboratory Services Total</b>		<b>completed project</b>		<b>2,211,674</b>	<b>2,211,674</b>	<b>-</b>									
<b>Residuals</b>				<b>171,325,664</b>	<b>80,696,483</b>	<b>90,629,181</b>	<b>-</b>	<b>15,649,460</b>	<b>-</b>	<b>800,000</b>	<b>800,000</b>	<b>3,494,040</b>	<b>3,492,053</b>	<b>8,586,093</b>	<b>82,043,088</b>
<b>261 Residuals Total</b>				<b>63,810,848</b>	<b>63,810,848</b>	<b>-</b>									
<b>271 Residuals Asset Protection</b>															
Residuals Facility Upgrades - Design	26070_7145	Aug-24	Feb-30	4,000,000	-	4,000,000	-	-	-	800,000	800,000	800,000	800,000	3,200,000	800,000
Condition Assessment/Technology & Regulatory Review	26072_7147	May-09	Jan-14	831,775	831,775	-	-	-	-	-	-	-	-	-	
Residuals Phase 2 - Design	26074_7149	Feb-27	Jul-35	15,000,000	-	15,000,000	-	-	-	-	-	2,694,040	2,692,053	5,386,093	9,613,907
Residuals Phase 2 - Construction	26075_7150	Apr-29	Apr-35	71,629,181	-	71,629,181	-	-	-	-	-	-	-	-	71,629,181
Sludge Tank & Silo Coating	26076_7151	Sep-17	Sep-18	763,871	763,871	-	-	506,671	-	-	-	-	-	-	
Residual Electrical/Mechanical/Dryer Drum Replacements	26078_7153	Jun-19	Dec-20	10,690,860	10,690,860	-	-	10,543,660	-	-	-	-	-	-	
Pellet Conveyance Piping Relocation	26079_7173	Aug-19	Dec-20	4,599,129	4,599,129	-	-	4,599,129	-	-	-	-	-	-	
<b>271 Residuals Asset Protection Total</b>				<b>107,514,816</b>	<b>16,885,635</b>	<b>90,629,181</b>	<b>-</b>	<b>15,649,460</b>	<b>-</b>	<b>800,000</b>	<b>800,000</b>	<b>3,494,040</b>	<b>3,492,053</b>	<b>8,586,093</b>	<b>82,043,088</b>
<b>CSO</b>				<b>933,246,461</b>	<b>911,926,950</b>	<b>21,319,499</b>	<b>2,800,000</b>	<b>12,330,528</b>	<b>7,458,588</b>	<b>7,060,911</b>	<b>500,000</b>	<b>500,000</b>	<b>833,333</b>	<b>16,352,832</b>	<b>2,166,667</b>
<b>CSO MWRA Managed</b>				<b>437,697,311</b>	<b>433,534,311</b>	<b>4,163,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>2,300,000</b>	<b>863,000</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>3,163,000</b>	<b>-</b>
<b>339 North Dorchester Bay Total</b>		<b>completed project</b>		<b>221,509,794</b>	<b>221,509,794</b>	<b>-</b>									
<b>347 East Boston Branch Sewer Relief Total</b>		<b>completed project</b>		<b>85,637,164</b>	<b>85,637,164</b>	<b>-</b>									

**FY24 Capital Improvement Program (CIP)  
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Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
<b>348 BOS019 Storage Conduit Total</b>			<b>completed project</b>	<b>14,287,581</b>	<b>14,287,581</b>	-									
<b>349 Chelsea Trunk Sewer</b>															
Design/CS/RI	32659_6198	Jun-97	Aug-03	3,651,480	3,651,480	-	-	-	-	-	-	-	-	-	-
Chelsea Trunk Relief	32679_6262	Sep-99	Aug-00	3,577,296	3,577,297	-	-	-	-	-	-	-	-	-	-
Chelsea Branch Sewer	32680_6263	Dec-99	Jul-01	19,140,708	19,140,708	-	-	-	-	-	-	-	-	-	-
Rehabilitate/Chelsea Branch/Revere Extension	32689_6370	Aug-01	Jun-02	3,125,485	3,125,485	-	-	-	-	-	-	-	-	-	-
Modify Chelsea Screen House	32690_6371	Aug-00	Dec-00	284,350	284,350	-	-	-	-	-	-	-	-	-	-
CHE008 Pipe Replacement	32760_7915	Dec-22	Sep-23	2,000,000	-	2,000,000	1,000,000	1,000,000	1,000,000	-	-	-	-	1,000,000	
<b>349 Chelsea Trunk Sewer Total</b>				<b>31,779,319</b>	<b>29,779,320</b>	<b>2,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	-	-	-	-	<b>1,000,000</b>	
<b>350 Union Park Detention Treatment Facility Total</b>			<b>completed project</b>	<b>49,583,407</b>	<b>49,583,407</b>	-									
<b>353 Upgrade Existing CSO Facilities Total</b>			<b>completed project</b>	<b>22,385,200</b>	<b>22,385,200</b>	-									
<b>354 Hydraulic Relief Projects</b>															
Construction	32669_6252	Jul-99	Aug-00	1,736,683	1,736,683	-	-	-	-	-	-	-	-	-	-
Design/CS/RI	32692_6250	Aug-97	Aug-01	557,866	557,866	-	-	-	-	-	-	-	-	-	-
Somerville Marginal New Pipe Connection	32765_7985	Oct-23	Dec-24	1,663,000	-	1,663,000	-	-	1,000,000	663,000	-	-	-	1,663,000	
Somerville Marginal New Pipe Connection - REI	32766_8070	Oct-23	Dec-24	500,000	-	500,000	-	-	300,000	200,000	-	-	-	500,000	
<b>354 Hydraulic Relief Projects Total</b>				<b>4,457,549</b>	<b>2,294,549</b>	<b>2,163,000</b>			<b>1,300,000</b>	<b>863,000</b>	-	-	-	<b>2,163,000</b>	
<b>355 MWR003 Gate &amp; Siphon Total</b>			<b>completed project</b>	<b>4,424,220</b>	<b>4,424,219</b>	-									
<b>357 Charles River CSO Controls Total</b>			<b>completed project</b>	<b>3,633,077</b>	<b>3,633,077</b>	-									
<b>CSO Community Managed</b>				<b>433,780,127</b>	<b>423,780,113</b>	<b>10,000,000</b>	<b>625,000</b>	<b>4,388,053</b>	<b>3,812,500</b>	<b>5,562,500</b>	-	-	-	<b>9,375,000</b>	-
<b>340 Dorchester Bay Sewer Separation (Fox Point) Total</b>			<b>completed project</b>	<b>55,028,985</b>	<b>55,028,985</b>	-									
<b>341 Dorchester Bay Sewer Separation (Commercial Point) Total</b>			<b>completed project</b>	<b>61,443,027</b>	<b>61,443,026</b>	-	-	<b>1,581,386</b>							
<b>342 Neponset River Sewer Separation Total</b>			<b>completed project</b>	<b>2,491,747</b>	<b>2,491,747</b>	-									
<b>343 Constitution Beach Sewer Separation Total</b>			<b>completed project</b>	<b>3,731,315</b>	<b>3,731,315</b>	-									
<b>344 Stony Brook Sewer Separation Total</b>			<b>completed project</b>	<b>44,319,314</b>	<b>44,319,314</b>	-									
<b>346 Cambridge Sewer Separation Total</b>			<b>completed project</b>	<b>104,552,056</b>	<b>104,552,054</b>	-									
<b>351 BWSC Floatables Controls Total</b>			<b>completed project</b>	<b>945,936</b>	<b>945,936</b>	-									
<b>352 Cambridge Floatables Controls Total</b>			<b>completed project</b>	<b>1,126,708</b>	<b>1,126,708</b>	-									
<b>356 Fort Point Channel Sewer Separation</b>															
Design	32724_6991	May-04	Jun-11	1,655,376	1,655,375	-	-	-	-	-	-	-	-	-	-
Construction	32725_6992	Mar-05	Dec-10	9,851,881	9,851,881	-	-	-	-	-	-	-	-	-	-
Fort Point Channel & Mystic	32780_8054	Nov-22	Nov-25	10,000,000	-	10,000,000	625,000	625,000	3,812,500	5,562,500	-	-	-	9,375,000	
<b>356 Fort Point Channel Sewer Separation Total</b>				<b>21,507,257</b>	<b>11,507,256</b>	<b>10,000,000</b>	<b>625,000</b>	<b>625,000</b>	<b>3,812,500</b>	<b>5,562,500</b>	-	-	-	<b>9,375,000</b>	
<b>358 Morrissey Boulevard Drain Total</b>			<b>completed project</b>	<b>32,181,036</b>	<b>32,181,034</b>	-									
<b>359 Reserved Channel Sewer Separation Total</b>			<b>completed project</b>	<b>70,524,212</b>	<b>70,524,205</b>	-									
<b>360 Brookline Sewer Separation Total</b>			<b>completed project</b>	<b>24,715,291</b>	<b>24,715,291</b>	-									

**FY24 Capital Improvement Program (CIP)  
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Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
<b>361 Bulfinch Triangle Sewer Separation Total</b>			<b>completed project</b>	<b>9,031,576</b>	<b>9,031,575</b>	<b>-</b>									
<b>362 East Boston CSO Control Total</b>			<b>completed project</b>	<b>2,181,667</b>	<b>2,181,667</b>	<b>-</b>		<b>2,181,667</b>							
<b>CSO Planning &amp; Support</b>				<b>61,769,023</b>	<b>54,612,526</b>	<b>7,156,499</b>	<b>1,175,000</b>	<b>6,942,475</b>	<b>1,346,088</b>	<b>635,411</b>	<b>500,000</b>	<b>500,000</b>	<b>833,333</b>	<b>3,814,832</b>	<b>2,166,667</b>
<b>324 CSO Support</b>															
Technical Assistance	32400_5790	Feb-94	Dec-95	228,320	228,320	-	-	-	-	-	-	-	-	-	-
Planning/EIR	32401_5791	Mar-88	Sep-90	10,768,610	10,768,610	-	-	-	-	-	-	-	-	-	-
Master Planning	32403_5716	Mar-92	Sep-04	21,762,805	21,762,805	-	-	-	-	-	-	-	-	-	-
Technical Assistance - Geotech	32407_5970	Jun-90	Jun-92	61,110	61,110	-	-	-	-	-	-	-	-	-	-
Modeling	32409_5795	May-92	Mar-95	299,840	299,840	-	-	-	-	-	-	-	-	-	-
Standard Optimization Plans (SOP) Program	32411_5767	Jan-94	May-01	772,828	772,829	-	-	-	-	-	-	-	-	-	-
Watershed Planning	32645_6036	Dec-94	Apr-01	877,134	877,134	-	-	-	-	-	-	-	-	-	-
Technical Review	32648_6150	Jul-96	Aug-24	584,583	528,932	55,651	-	-	44,520	11,131	-	-	-	-	55,651
Land Acquisition/Easement	32658_6169	Jul-96	Aug-24	12,915,388	12,849,791	65,597	-	4,877	52,477	13,120	-	-	-	-	65,597
System Assessment	32691_6372	May-97	Aug-24	255,000	68,637	186,363	-	-	149,091	37,272	-	-	-	-	186,363
Somerville Marginal In-System Storage	32748_7539	Aug-18	Oct-21	1,400,000	1,400,000	-	-	1,400,000	-	-	-	-	-	-	-
CSO Performance Assessment	32749_7572	Nov-17	Apr-25	6,843,405	4,994,518	1,848,888	1,175,000	5,537,598	600,000	73,888	-	-	-	-	673,888
CSO Updated Control Plan Des	32757_8057	Jun-27	Jun-32	5,000,000	-	5,000,000	-	-	500,000	500,000	500,000	500,000	833,333	2,833,333	2,166,667
<b>324 CSO Support Total</b>				<b>61,769,023</b>	<b>54,612,526</b>	<b>7,156,499</b>	<b>1,175,000</b>	<b>6,942,475</b>	<b>1,346,088</b>	<b>635,411</b>	<b>500,000</b>	<b>500,000</b>	<b>833,333</b>	<b>3,814,832</b>	<b>2,166,667</b>
<b>Other Wastewater</b>				<b>467,865,880</b>	<b>320,352,953</b>	<b>147,512,928</b>	<b>19,371,273</b>	<b>149,407,472</b>	<b>42,935,134</b>	<b>41,456,636</b>	<b>27,541,540</b>	<b>28,369,156</b>	<b>34,197,315</b>	<b>174,499,781</b>	<b>(46,358,097)</b>
<b>128 I/I Local Financial Assistance</b>															
Community I/I Grants	10232_5300			5,799,719	5,799,719	-	-	-	-	-	-	-	-	-	-
Community I/I Loans	10233_5393			17,277,596	17,277,596	-	-	-	-	-	-	-	-	-	-
Community I/I Loan Repayments	10234_5394			(17,277,588)	(17,277,588)	-	-	-	-	-	-	-	-	-	-
Phase II - Grants	10273_6084	May-93	May-06	10,128,805	10,128,805	-	-	-	-	-	-	-	-	-	-
Phase II - Loans	10274_6085	May-93	May-06	30,386,404	30,386,404	-	-	-	-	-	-	-	-	-	-
Phase II - Repayments	10282_6170	May-94	May-11	(30,386,407)	(30,386,407)	-	-	-	-	-	-	-	-	-	-
Phase III - Grants	10315_6505			16,650,000	16,650,000	-	-	-	-	-	-	-	-	-	-
Phase III - Loans	10316_6506			20,350,000	20,350,000	-	-	-	-	-	-	-	-	-	-
Phase III - Repayments	10317_6507			(20,349,994)	(20,349,994)	-	-	-	-	-	-	-	-	-	-
Public Participation	10348_6609	Feb-99	Jun-02	6,461	6,461	-	-	-	-	-	-	-	-	-	-
Phase IV - Grants	10368_6736	Nov-99	May-10	18,000,000	18,000,000	-	-	-	-	-	-	-	-	-	-
Phase IV - Loans	10369_6737	Nov-99	May-10	21,999,999	21,999,999	-	-	-	-	-	-	-	-	-	-
Phase IV - Repayments	10370_6738	Nov-00	May-15	(21,999,991)	(21,999,991)	-	-	-	-	-	-	-	-	-	-
Phase V - Grants	10407_6925	Aug-04	May-12	18,000,000	18,000,010	(10)	-	-	-	-	-	-	-	-	-
Phase V - Loans	10408_6926	Aug-04	May-12	22,000,000	22,000,007	(7)	-	-	-	-	-	-	-	-	-
Phase V - Repayments	10409_6927	Aug-05	May-17	(22,000,000)	(21,999,989)	(11)	-	-	-	-	-	-	-	-	-
Phase VI - Grants	10441_7107	Nov-06	Jun-21	18,000,000	17,999,997	3	-	471,600	3	-	-	-	-	-	3
Phase VI - Loans	10442_7108	Nov-06	Jun-21	22,000,000	21,999,996	4	-	576,400	4	-	-	-	-	-	4
Phase VI - Repayments	10443_7109	Nov-07	Jun-26	(22,000,000)	(21,674,614)	(325,386)	(210,106)	(2,213,278)	(115,280)	-	-	-	-	-	(115,280)
Phase VII - Grants	10471_7293	Aug-09	Jun-21	18,000,000	17,989,182	10,819	-	10,819	736,219	-	-	-	-	-	-
Phase VII - Loans	10472_7294	Aug-09	Jun-21	22,000,000	21,986,779	13,222	13,221	899,821	-	-	-	-	-	-	-
Phase VII - Repayments	10473_7295	Aug-10	Jun-26	(22,000,000)	(20,849,935)	(1,150,065)	(541,180)	(4,049,633)	(178,642)	(180,000)	(250,243)	-	-	-	(608,885)
Phase VIII - Grants	10474_7296	Aug-12	Jun-21	18,000,000	17,049,465	950,535	950,535	2,389,315	-	-	-	-	-	-	-
Phase VIII - Loans	10475_7297	Aug-12	Jun-21	22,000,000	20,838,233	1,161,767	1,161,767	2,920,274	-	-	-	-	-	-	-
Phase VIII - Repayments	10476_7298	Aug-13	Jun-26	(22,000,000)	(19,162,030)	(2,837,970)	(1,001,490)	(7,818,230)	(414,795)	(470,000)	(280,000)	(260,000)	(411,685)	(1,836,480)	
Phase IX Grants	10560_7464	Jul-14	Jun-25	60,000,000	53,793,981	6,206,019	586,019	23,673,008	1,500,000	4,120,000	-	-	-	-	5,620,000

**FY24 Capital Improvement Program (CIP)  
Expenditure Forecast**

Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
Phase IX Loans	10561_7465	Jul-14	Jun-25	20,000,000	17,931,327	2,068,673	198,673	7,894,336	500,000	1,370,000	-	-	-	1,870,000	
Phase IX Repayments	10562_7466	Jul-15	Jun-35	(20,000,000)	(8,435,930)	(11,564,070)	(1,764,294)	(7,967,976)	(1,575,278)	(1,583,364)	(1,368,217)	(1,210,844)	(1,010,000)	(6,747,703)	(3,052,072)
Phase X Grants	10563_7467	Jul-14	Aug-25	60,000,000	41,958,952	18,041,048	2,081,049	28,573,650	7,500,000	8,460,000	-	-	-	15,960,000	
Phase X Loans	10564_7468	Jul-14	Aug-25	20,000,000	13,986,317	6,013,683	693,684	9,524,551	2,500,000	2,820,000	-	-	-	5,320,000	
Phase X Repayments	10565_7469	Jul-15	Aug-35	(20,000,000)	(3,521,997)	(16,478,004)	(1,400,000)	(4,392,484)	(1,470,000)	(1,720,000)	(2,000,000)	(1,800,000)	(1,730,000)	(8,720,000)	(6,358,003)
Phase XI Grants	10566_7620	Jul-18	Aug-24	75,000,000	33,844,500	41,155,500	4,365,500	38,210,000	6,000,000	6,000,000	7,500,000	8,620,000	8,670,000	36,790,000	
Phase XI Loans	10567_7621	Jul-18	Aug-24	25,000,000	11,281,500	13,718,500	1,458,500	12,740,000	2,000,000	2,000,000	2,500,000	2,880,000	2,880,000	12,260,000	
Phase XI Repayments	10568_7622	Jul-19	Aug-34	(25,000,000)	(2,417,371)	(22,582,629)	(1,130,000)	(3,547,370)	(1,274,055)	(1,470,000)	(1,670,000)	(1,920,000)	(2,221,000)	(8,555,055)	(12,897,575)
Phase XII Grants	10569_7623	Jul-18	Aug-24	75,000,000	23,059,545	51,940,455	4,690,455	27,750,000	7,500,000	7,500,000	9,000,000	9,000,000	9,000,000	42,000,000	5,250,000
Phase XII Loans	10570_7624	Jul-18	Aug-24	25,000,000	7,686,515	17,313,485	1,553,485	9,240,000	2,500,000	2,500,000	3,000,000	3,000,000	3,000,000	14,000,000	1,760,000
Phase XII Repayments	10571_7625	Jul-19	Aug-34	(25,000,000)	(1,009,367)	(23,990,633)	(769,364)	(1,778,731)	(930,000)	(1,180,000)	(1,430,000)	(1,730,000)	(2,020,000)	(7,290,000)	(15,931,270)
I/I Loans Only	10572_7640	Jul-18	Aug-30	100,000,000	7,610,000	92,390,000	2,880,000	10,490,000	-	5,000,000	5,000,000	5,000,000	12,000,000	27,000,000	62,510,000
I/I Loans Only Repayments	10573_7641	Jul-19	Aug-40	(100,000,000)	(458,000)	(99,542,000)	(786,000)	(1,244,000)	(1,073,500)	(1,050,000)	(1,550,000)	(2,050,000)	(2,550,000)	(8,273,500)	(90,482,500)
Phase XIV - Grants	10574_8023	Oct-22	Jun-30	75,000,000	-	75,000,000	4,750,000	4,750,000	15,000,000	7,500,000	7,500,000	7,500,000	7,500,000	45,000,000	25,250,000
Phase XIV - Loans	10575_8024	Oct-22	Jun-30	25,000,000	-	25,000,000	1,580,000	1,580,000	5,000,000	2,500,000	2,500,000	2,500,000	2,500,000	15,000,000	8,420,000
Phase XIV - Repayments	10576_8025	Nov-23	May-40	(25,000,000)	-	(25,000,000)	-	-	(33,323)	(660,000)	(910,000)	(1,160,000)	(1,410,000)	(4,173,323)	(20,826,677)
<b>128 I/I Local Financial Assistance Total</b>				<b>467,585,004</b>	<b>320,072,077</b>	<b>147,512,928</b>	<b>19,371,273</b>	<b>149,407,472</b>	<b>42,935,134</b>	<b>41,456,636</b>	<b>27,541,540</b>	<b>28,369,156</b>	<b>34,197,315</b>	<b>174,499,781</b>	<b>(46,358,097)</b>
<b>138 Sewerage System Mapping Upgrades Total</b>		<b>completed project</b>		<b>280,876</b>	<b>280,876</b>	<b>-</b>									
<b>Waterworks</b>				<b>5,072,428,938</b>	<b>2,336,392,426</b>	<b>2,736,036,499</b>	<b>101,785,715</b>	<b>326,762,878</b>	<b>141,742,082</b>	<b>162,378,420</b>	<b>131,259,832</b>	<b>114,348,400</b>	<b>114,136,153</b>	<b>663,864,887</b>	<b>1,970,385,893</b>
<b>Drinking Water Quality Improvements</b>				<b>730,719,576</b>	<b>658,226,186</b>	<b>72,493,382</b>	<b>4,303,380</b>	<b>12,557,192</b>	<b>3,982,140</b>	<b>5,694,537</b>	<b>5,330,102</b>	<b>3,738,222</b>	<b>7,829,000</b>	<b>26,574,001</b>	<b>41,616,000</b>
<b>542 Carroll Water Treatment Plant (CWTP)</b>															
Study 1	53293_5023	Jan-88	Feb-89	444,190	444,190	-	-	-	-	-	-	-	-	-	-
Study 2	53294_5024	Jul-90	Mar-94	2,368,323	2,368,323	-	-	-	-	-	-	-	-	-	-
EIR / Conceptual Design	53296_5042	Nov-93	Jul-95	5,807,703	5,807,703	-	-	-	-	-	-	-	-	-	-
Technical Assistance	53300_5997	Jan-88	Jun-00	101,439	101,439	-	-	26,881	-	-	-	-	-	-	-
Wachusett Water Treatment Plant - Design/CS/RI	53301_5017	Oct-96	Sep-06	46,605,542	46,605,542	-	-	-	-	-	-	-	-	-	-
Permit Fees	53304_5157	Jul-93	Nov-19	100,598	97,598	3,000	-	10,924	3,000	-	-	-	-	3,000	-
Cryptosporidium Inactivation Study	53367_6118	Feb-97	May-00	150,000	150,000	-	-	-	-	-	-	-	-	-	-
Management Support - Design	53371_6134	Apr-97	Apr-00	1,729,937	1,729,937	-	-	-	-	-	-	-	-	-	-
AWWARF Study	53375_6182	Dec-96	Sep-03	650,342	650,342	-	-	-	-	-	-	-	-	-	-
Emergency Discharge Reservoir Water Management Study	53376_6206	Nov-98	Sep-02	1,453,825	1,453,825	-	-	-	-	-	-	-	-	-	-
Wachusett and Cosgrove Intakes - CP1	53377_6207	Jun-00	Jun-03	15,489,314	15,489,314	-	-	-	-	-	-	-	-	-	-
Construction Management / Resident Inspection (CMRI)	53378_6208	Aug-98	Sep-06	31,437,824	31,437,824	-	-	-	-	-	-	-	-	-	-
Cosgrove Disinfection - Phase II	53390_6365	Apr-98	May-99	2,169,292	2,169,292	-	-	-	-	-	-	-	-	-	-
Cosgrove Disinfection - Phase I	53391_6397	Jul-97	Oct-97	150,380	150,380	-	-	-	-	-	-	-	-	-	-
Distribution Water Consultant	53392_6401	Jul-97	Jun-98	3,200	3,200	-	-	-	-	-	-	-	-	-	-
Immediate Disinfection - Massachusetts Electric Company (MECO)	53393_6406	Jul-97	Jul-97	10,300	10,300	-	-	-	-	-	-	-	-	-	-
Cosgrove Disinfection Facility - Underwater	53406_6479	Jan-98	Jun-98	217,400	217,400	-	-	-	-	-	-	-	-	-	-
Community Chlorine Analyzers	53410_6485	Apr-98	Jun-98	48,863	48,863	-	-	-	-	-	-	-	-	-	-
Wachusett Aqueduct Interim Rehabilitation - CP2	53412_5522	Dec-00	Oct-02	23,400,005	23,400,005	-	-	-	-	-	-	-	-	-	-
Sitework & Storage Tanks - CP3	53413_6488	Mar-99	Nov-02	67,367,673	67,367,673	-	-	-	-	-	-	-	-	-	-
Treatment Facilities - CP4	53414_6489	Dec-00	Jul-05	145,761,497	145,761,497	-	-	-	-	-	-	-	-	-	-
Late Sitework - CP6	53416_6491	Jul-04	Jan-06	4,087,831	4,087,831	-	-	-	-	-	-	-	-	-	-
OCIP	53418_6494	Mar-99	Dec-07	5,107,089	5,107,089	-	-	-	-	-	-	-	-	-	-
Professional Services	53419_6495	Sep-98	Oct-05	2,752,328	2,752,328	-	-	-	-	-	-	-	-	-	-
Marlboro Memorandum of Agreement (MOA)	53420_6497	Sep-98	Jun-05	5,859,141	5,859,141	-	-	-	-	-	-	-	-	-	-
CWTP- MECO	53421_6520	Sep-98	Mar-05	128,328	128,328	-	-	-	-	-	-	-	-	-	-

**FY24 Capital Improvement Program (CIP)  
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Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
Site Security Services	53425_6613	May-99	Mar-05	1,263,635	1,263,635	-	-	-	-	-	-	-	-	-	-
Existing Facilities Modifications - CP7	53426_6650	Aug-15	Jun-22	8,488,337	8,023,450	464,888	464,887	1,557,967	-	-	-	-	-	-	-
CSX Railroad Crossing	53427_6670	Aug-01	Dec-01	64,700	64,700	-	-	-	-	-	-	-	-	-	-
Wachusett Algae - Design CS/RI	53428_6671	Jul-28	Oct-30	450,000	-	450,000	-	-	-	-	-	-	-	-	450,000
Public Health Research	53432_6691	Jul-00	Jun-07	1,702,560	1,702,560	-	-	-	-	-	-	-	-	-	-
Security Equipment	53435_6756	Jun-00	Jun-00	570,721	570,721	-	-	-	-	-	-	-	-	-	-
Cosgrove Screens, CP8 - Construction	53437_6773	Aug-03	Aug-04	3,238,306	3,238,306	-	-	-	-	-	-	-	-	-	-
AWWARF - Evaluation Ozone & Ultraviolet (UV) Fitout / Construction	53443_6815	Jul-01	Jan-04	301,750	301,750	-	-	-	-	-	-	-	-	-	-
	53445_6827	Oct-03	Nov-21	712,615	662,615	50,000	50,000	165,498	-	-	-	-	-	-	-
Wachusett Algae - Construction	53448_6889	Jul-29	Oct-30	1,800,000	-	1,800,000	-	-	-	-	-	-	-	-	1,800,000
CWTP Ultraviolet Disinfection - Design/ESDC/REI	53450_6923	Jul-08	Apr-15	4,350,956	4,350,956	-	-	-	-	-	-	-	-	-	-
CWTP Ultraviolet Disinfection - Construction	53451_6924	Apr-11	Feb-14	31,057,187	31,057,187	-	-	-	-	-	-	-	-	-	-
As-needed Technical Assistance No. 1	53452_6939	Jan-06	Jun-08	491,274	491,274	-	-	-	-	-	-	-	-	-	-
Existing Facilities Modifications, CP7 - Design	53453_6951	Jul-05	Apr-15	964,746	964,746	-	-	-	-	-	-	-	-	-	-
As-needed Technical Assistance	53455_6989	Jan-06	Jun-08	702,024	702,024	-	-	-	-	-	-	-	-	-	-
Ancillary Modifications - Construction 1	53456_7084	Jul-06	Jun-08	160,475	160,475	-	-	-	-	-	-	-	-	-	-
Ancillary Modifications - Construction	53457_7085	Jan-09	Aug-22	7,384,881	7,101,689	283,192	283,192	2,486,939	-	-	-	-	-	-	-
Ancillary Modifications - Design 3	53458_7192	Mar-08	Sep-10	299,101	299,101	-	-	-	-	-	-	-	-	-	-
Ancillary Modifications - Design 4	53459_7208	Mar-08	Sep-10	527,412	527,412	-	-	-	-	-	-	-	-	-	-
Technical Assistance 5	53464_7315	Sep-10	Mar-13	254,922	254,922	-	-	-	-	-	-	-	-	-	-
Technical Assistance 6	53465_7316	Sep-10	Mar-13	407,989	407,989	-	-	-	-	-	-	-	-	-	-
CWTP Storage Tank Roof Drainage System	53470_7376	Jan-29	Jun-30	7,000,000	-	7,000,000	-	-	-	-	-	-	-	-	7,000,000
Technical Assistance 7	75530_7406	Jun-13	Nov-15	593,529	593,529	-	-	-	-	-	-	-	-	-	-
Technical Assistance 8	75531_7407	Jan-16	Jun-18	419,454	419,454	-	-	(8,695)	-	-	-	-	-	-	-
Technical Assistance 9	75601_7543	Jul-18	Dec-20	460,644	460,644	-	-	460,644	-	-	-	-	-	-	-
Technical Assistance 10	75602_7544	Jul-18	Dec-20	791,474	791,474	-	-	791,474	-	-	-	-	-	-	-
Technical Assistance 11	75603_7713	Dec-20	Dec-23	1,225,436	440,544	784,892	230,465	671,009	554,427	-	-	-	-	554,427	-
Technical Assistance 12	75604_7714	Dec-20	Dec-23	975,224	719,194	256,030	256,030	975,224	-	-	-	-	-	-	-
Technical Assistance 13	75605_7973	Mar-23	Mar-25	2,000,000	-	2,000,000	250,000	250,000	1,000,000	750,000	-	-	-	1,750,000	-
Technical Assistance 14	75606_7974	Mar-23	Mar-25	2,000,000	-	2,000,000	250,000	250,000	1,000,000	750,000	-	-	-	1,750,000	-
<b>542 Carroll Water Treatment Plant Total</b>				<b>444,061,716</b>	<b>428,969,715</b>	<b>15,092,002</b>	<b>1,784,574</b>	<b>7,637,865</b>	<b>2,557,427</b>	<b>1,500,000</b>	-	-	-	<b>4,057,427</b>	<b>9,250,000</b>
<b>543 Quabbin Water Treatment Plant Total</b>		<b>completed project</b>		<b>19,972,883</b>	<b>19,972,879</b>	-									
<b>544 Norumbega Covered Storage Facility Total</b>		<b>completed project</b>		<b>106,674,147</b>	<b>106,674,146</b>	-									
<b>545 Blue Hills Covered Storage Total</b>				<b>40,082,837</b>	<b>40,082,837</b>	-									
<b>550 Spot Pond Storage Facility Total</b>				<b>60,126,092</b>	<b>60,126,087</b>	-									
<b>555 Carroll Water Treatment Plant (CWTP) Asset Protection</b>															
CWTP Control Room Fire Suppression System	54000_7592	Jul-30	Oct-31	500,000	-	500,000	-	-	-	-	-	-	-	-	500,000
CWTP Asset Protection Study	54001_7593	Apr-30	Apr-31	465,000	-	465,000	-	-	-	-	-	-	-	-	465,000
Liquid Oxygen (LOX) Yard Redundancy	54002_7594	Jul-24	Dec-25	2,000,000	-	2,000,000	-	-	-	1,500,000	500,000	-	-	2,000,000	-
CWTP Water Pump VFD Replacements	54003_7595	Oct-24	Oct-25	186,000	-	186,000	-	-	-	93,000	93,000	-	-	186,000	-
Ozone Generator Re-Build	54004_7596	Jan-29	Jan-30	930,000	-	930,000	-	-	-	-	-	-	-	-	930,000
CWTP System Upgrades	54005_7597	Jul-29	Jul-30	2,200,000	-	2,200,000	-	-	-	-	-	-	-	-	2,200,000
CWTP Chemical Feed System Improvements	54006_7598	Mar-22	Jun-23	2,464,000	181,387	2,282,613	2,282,613	2,464,000	-	-	-	-	-	-	-
HVAC Equipment Replacement	54007_7605	Sep-19	Jan-26	1,113,220	423,220	690,000	-	423,220	-	158,780	343,000	188,220	-	690,000	-
Plant Water Pump Replacement	54008_7606	Jul-27	Jul-30	2,000,000	-	2,000,000	-	-	-	-	-	-	486,000	486,000	1,514,000
Ozone Generator Replacement	54009_7607	Oct-27	Oct-30	20,000,000	-	20,000,000	-	-	-	-	-	-	3,243,000	3,243,000	16,757,000
UV Reactor Replacement	54010_7608	Oct-32	Oct-34	10,000,000	-	10,000,000	-	-	-	-	-	-	-	-	10,000,000



**FY24 Capital Improvement Program (CIP)  
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Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
CWTP Emergency Generator No. 1 Replacement	54011_7642	Feb-19	May-20	440,614	440,614	-	-	440,614	-	-	-	-	-	-	-
Corrosion Control Pipe Loop Study	54013_7737	Feb-23	Feb-25	937,056	-	937,056	163,000	163,000	489,000	285,056	-	-	-	774,056	-
CWTP Parapet Wall Repairs	54014_7755	Oct-23	Aug-24	759,000	-	759,000	-	-	675,000	84,000	-	-	-	759,000	-
CWTP UV Rooms Dehumidification	54015_7790	Aug-24	Aug-25	1,617,800	-	1,617,800	-	-	-	1,323,700	294,100	-	-	1,617,800	-
Marlboro Pump Station Construction	54016_7791	Nov-21	Oct-22	1,357,493	1,355,301	2,193	2,193	1,357,493	-	-	-	-	-	-	-
Soda Ash & Fluoride REI	54017_7972	Feb-23	May-24	331,713	-	331,713	71,000	71,000	260,713	-	-	-	-	260,713	-
Interim Corrosion Control - Construction	54018_7999	Jul-24	Jul-25	1	-	1	-	-	-	1	-	-	-	1	-
Interim Corrosion Control - REI	54019_8000	Jul-24	Jul-25	1	-	1	-	-	-	-	1	-	-	1	-
Permanent Corrosion Control - Design	54020_8001	May-25	May-27	1	-	1	-	-	-	-	1	-	-	1	-
Permanent Corrosion Control - Construction	54021_8002	Aug-26	Feb-28	1	-	1	-	-	-	-	-	1	-	1	-
Permanent Corrosion Control - REI	54022_8003	Aug-26	Feb-28	1	-	1	-	-	-	-	-	1	-	1	-
CWTP Butterfly Valve 4 - Design	54023_8031	Jul-24	Jul-28	2,000,000	-	2,000,000	-	-	-	750,000	1,000,000	250,000	-	2,000,000	-
CWTP Butterfly Valve 4 - Construction	54024_8032	Jul-25	Jul-27	10,000,000	-	10,000,000	-	-	-	-	3,000,000	3,000,000	4,000,000	10,000,000	-
CWTP Butterfly Valve 4 - REI	54025_8033	Jul-25	Jul-27	500,000	-	500,000	-	-	-	-	100,000	300,000	100,000	500,000	-
<b>555 Carroll Water Treatment Plant (CWTP) Asset Protection Total</b>				<b>59,801,901</b>	<b>2,400,522</b>	<b>57,401,380</b>	<b>2,518,806</b>	<b>4,919,327</b>	<b>1,424,713</b>	<b>4,194,537</b>	<b>5,330,102</b>	<b>3,738,222</b>	<b>7,829,000</b>	<b>22,516,574</b>	<b>32,366,000</b>
<b>Transmission</b>				<b>2,976,391,067</b>	<b>895,522,891</b>	<b>2,080,868,176</b>	<b>42,030,254</b>	<b>112,352,876</b>	<b>66,175,447</b>	<b>60,549,400</b>	<b>36,243,723</b>	<b>39,576,593</b>	<b>91,363,181</b>	<b>293,908,344</b>	<b>1,744,929,575</b>
<b>597 Winsor Station Pipeline</b>															
Preliminary Permit, Study & Licensing	60032_6276	Nov-97	Jun-99	38,901	38,897	4	-	-	-	-	-	-	-	-	-
Quabbin Aqueduct TV Inspection	60033_6277	Nov-29	Apr-30	4,568,967	-	4,568,967	-	-	-	-	-	-	-	4,568,967	-
Hatchery Pipeline - Design/ESDC/RI	60077_7017	Aug-13	Mar-19	909,425	909,425	-	-	131,452	-	-	-	-	-	-	-
Quabbin Aqueduct & Winsor Power Station (WPS) Upgrades - Design/CA/RI	60087_7114	Feb-10	Aug-15	838,031	838,031	-	-	-	-	-	-	-	-	-	-
Quabbin Aqueduct & WPS - Construction	60088_7115	Jan-31	Jan-35	28,502,245	-	28,502,245	-	-	-	-	-	-	-	28,502,245	-
Shaft 12 Isolation Gates Construction	60095_7197	Jul-29	Jul-31	24,229,186	-	24,229,186	-	-	-	-	-	-	-	24,229,186	-
Shaft 2 Construction	60096_7198	Jun-21	Jun-22	1,411,297	1,580,000	(168,703)	(168,703)	1,411,297	-	-	-	-	-	-	-
Winsor Station Chapman Valve Repair	60101_7212	Feb-09	Nov-09	416,425	416,425	-	-	-	-	-	-	-	-	-	-
Purchase of Sleeve Valves	60105_7234	Jul-08	May-09	368,270	368,270	-	-	-	-	-	-	-	-	-	-
Hatchery Pipeline - Construction	60106_7235	Mar-16	Sep-17	2,567,661	2,567,662	-	-	57,895	-	-	-	-	-	-	-
Quabbin Aqueduct & WPS - Final Design/CA/RI	60140_7460	Jan-30	Jan-36	4,350,000	-	4,350,000	-	-	-	-	-	-	-	4,350,000	-
Shaft 12 Isolation Gates - Design CA/RI	60141_7509	Mar-17	Dec-18	799,095	799,095	-	-	14,573	-	-	-	-	-	-	-
Shaft 12 Isolation Gate - Design/CA/RI	60180_8034	Jul-28	Jul-32	1,000,000	-	1,000,000	-	-	-	-	-	-	-	1,000,000	-
<b>597 Winsor Station Pipeline Total</b>				<b>69,999,503</b>	<b>7,517,805</b>	<b>62,481,699</b>	<b>(168,703)</b>	<b>1,615,217</b>							<b>62,650,398</b>
<b>601 Sluice Gate Rehabilitation Total</b>			<b>completed project</b>	<b>9,158,411</b>	<b>9,158,411</b>	<b>-</b>									
<b>604 MetroWest Tunnel</b>															
Study	59794_5043	Jun-84	Oct-89	414,770	414,770	-	-	-	-	-	-	-	-	-	-
Design/EIR - Tunnel/ESDC	59795_5044	Apr-92	Mar-07	37,939,302	37,939,302	-	-	-	-	-	-	-	-	-	-
Sudbury Pipe Bridge - Construction	59796_5048	Nov-91	Jun-92	295,910	295,910	-	-	-	-	-	-	-	-	-	-
West Tunnel Segment - CP1	59798_6054	Apr-97	Apr-03	147,774,009	147,774,009	-	-	-	-	-	-	-	-	-	-
Construction Management/Resident Inspection	59799_5284	May-95	Apr-04	39,427,799	39,427,799	-	-	-	-	-	-	-	-	-	-
Technical Assistance	59804_5976	Jun-84	Jun-98	131,400	131,400	-	-	-	-	-	-	-	-	-	-
Land Acquisition	59805_5139	Oct-95	Jul-13	6,258,741	6,258,741	-	-	-	-	-	-	-	-	-	-
Hultman Study	59806_5141	Apr-95	Mar-05	1,863,998	1,863,998	-	-	-	-	-	-	-	-	-	-
Department of Environmental Protection (DEP) Permit Fees	60012_6037	Oct-94	Sep-14	58,000	56,178	1,822	-	-	-	1,000	822	-	-	1,822	-
Middle Tunnel Segment - CP2	60013_6055	Jun-96	Apr-03	245,809,358	245,809,358	-	-	-	-	-	-	-	-	-	-
Mass Highway Department (MHD) Salt Sheds - CP5	60014_6056	Sep-96	Jun-97	1,313,900	-	-	-	-	-	-	-	-	-	-	-
Shaft 5A - CP3	60015_6059	Aug-97	Aug-98	5,815,614	5,815,614	-	-	-	-	-	-	-	-	-	-
Local Supply Contingency - Design/CA/RI	60017_6063	May-96	Oct-99	858,703	858,703	-	-	-	-	-	-	-	-	-	-

**FY24 Capital Improvement Program (CIP)  
Expenditure Forecast**

Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
Community Technical Assistance	60018_6067	Jun-95	Apr-99	297,408	297,408	-			-	-	-	-	-	-	-
Professional Services	60020_6117	Nov-95	Dec-03	730,860	730,860	-			-	-	-	-	-	-	-
OClP	60021_6122	Jun-96	May-06	26,021,794	26,021,794	-			-	-	-	-	-	-	-
Hultman Leak Repair	60022_6128	Aug-96	May-97	307,280	307,280	-			-	-	-	-	-	-	-
Framingham Memorandum of Understanding (MOU)	60023_6129	May-96	Dec-03	2,444,171	2,444,171	-			-	-	-	-	-	-	-
Local Supply Contingency - Construction	60024_6130	Jun-97	Dec-03	4,298,444	4,298,444	-			-	-	-	-	-	-	-
Local Supply Contingency - Legal/Easements	60025_6131	Apr-97	Jun-02	9,110	9,110	-			-	-	-	-	-	-	-
Hultman Repair Bands	60026_6140	Aug-96	Dec-96	28,400	28,400	-			-	-	-	-	-	-	-
Loring Road Storage Tanks - CP-8	60029_6203	Sep-97	Nov-00	41,367,921	41,367,921	-			-	-	-	-	-	-	-
Testing & Disinfection - CP7	60030_6204	Jan-03	Oct-03	3,612,435	3,612,435	-			-	-	-	-	-	-	-
Upper Hultman Rehabilitation - CP6B	60031_6205	Apr-12	Jun-13	5,849,390	5,849,390	-			-	-	-	-	-	-	-
Southboro MOA	60038_6366	May-97	Jun-03	254,883	254,883	-			-	-	-	-	-	-	-
Weston MOA	60039_6367	Apr-96	Oct-04	1,005,524	1,005,524	-			-	-	-	-	-	-	-
East Tunnel Segment - CP3A	60040_6374	Nov-98	Sep-02	56,262,907	56,262,907	1			-	-	-	-	-	-	-
Hultman Investigation and Repair	60042_6430	Jun-99	Nov-00	1,604,381	1,604,381	-			-	-	-	-	-	-	-
Hultman Repair Bands 98-99	60043_6492	Apr-99	Jun-99	116,457	116,457	-			-	-	-	-	-	-	-
Wayland MOA	60053_6762	Jun-00	Dec-02	35,040	35,040	-			-	-	-	-	-	-	-
Equipment Prepurchase	60054_6777	Jun-05	Mar-06	198,000	198,000	-			-	-	-	-	-	-	-
Hultman Rehabilitation - CP9	60058_6856	Nov-05	Dec-06	3,256,702	3,256,702	-			-	-	-	-	-	-	-
Interim Disinfection	60059_6872	Jan-03	Oct-05	1,244,540	1,244,540	-			-	-	-	-	-	-	-
Hultman Interconnections - Final Design/CA/R	60066_6911	Sep-05	Sep-14	5,732,364	5,732,364	-			-	-	-	-	-	-	-
Lower Hultman Rehabilitation -CP6A	60073_6975	Sep-09	May-13	52,288,838	52,288,838	-			-	-	-	-	-	-	-
Hultman Interconnections - RI Services	60083_7082	Jan-10	Jan-15	1,870,346	1,870,346	-			-	-	-	-	-	-	-
CP6 Easements	60085_7105	Jan-08	Apr-14	33,091	33,091	-			-	-	-	-	-	-	-
CP6A Demolition	60086_7106	Sep-08	Jan-09	57,222	57,222	-			-	-	-	-	-	-	-
Valve Chamber & Storage Tank Improvements - Design	60109_7283	Jul-24	Mar-29	600,000	-	600,000			-	320,000	155,000	120,000	5,000	600,000	
Valve Chamber & Storage Tank Access Improvements - Construction	60160_7476	Mar-26	Mar-28	2,400,000	-	2,400,000			-	-	-	1,200,000	1,200,000	2,400,000	
Shaft 5A/5 Surface Piping Cathodic Protection - Construction	60161_7477	Nov-16	Jun-17	142,028	142,028	-			-	-	-	-	-	-	-
Hultman Leak Shaft 5A	60162_7507	Mar-16	May-16	153,138	153,138	-			-	-	-	-	-	-	-
<b>604 MetroWest Tunnel Total</b>				<b>700,184,178</b>	<b>697,182,356</b>	<b>3,001,823</b>			-	<b>321,000</b>	<b>155,822</b>	<b>1,320,000</b>	<b>1,205,000</b>	<b>3,001,822</b>	
<b>615 Chicopee Valley Aqueduct Redundancy Total</b>			<b>completed project</b>	<b>8,666,292</b>	<b>8,666,291</b>	-									
<b>616 Quabbin Transmission System</b>															
Facilities Inspection	60055_6828	Oct-05	Oct-07	1,005,413	1,005,413	-	-	-	-	-	-	-	-	-	-
Oakdale High Line Replacement - Construction	60068_6940	Jan-29	Sep-29	465,000	-	465,000	-	-	-	-	-	-	-	-	465,000
Equipment Pre-purchase	60075_7007	Feb-05	Jun-08	549,890	543,890	6,000	6,000	15,524	-	-	-	-	-	-	-
Oakdale Phase 1A Electrical - Design	60103_7229	Oct-09	Jul-14	775,534	775,534	-	-	-	-	-	-	-	-	-	-
Oakdale Phase 1A Electrical - Construction	60104_7230	Apr-12	Jul-13	2,260,002	2,260,001	1	-	-	-	-	-	-	-	-	-
Ware River Intake Valve Replacement - Design	60108_7282	Jul-25	Jul-28	300,000	-	300,000	-	-	-	-	100,000	100,000	75,000	275,000	25,000
Rehabilitate Wachusett Bastion - Design	60113_7333	Feb-20	May-23	768,275	394,950	373,324	373,324	768,275	-	-	-	-	-	-	-
Rehabilitate Oakdale Turbine	60135_7378	May-26	Oct-27	2,000,000	-	2,000,000	-	-	-	-	-	1,500,000	500,000	2,000,000	
Wachusett Lower Gatehouse Interim Pipe Replacement	60136_7379	Oct-19	Jun-20	409,752	409,752	-	-	409,752	-	-	-	-	-	-	-
Wachusett Lower Gatehouse Pipe & Boiler Replacement - Construction	60137_7380	Feb-23	Aug-24	18,993,573	-	18,993,573	3,081,773	3,081,773	13,637,200	2,274,600	-	-	-	15,911,800	
Ware Rver Intake Valve Replacement Construction	60138_7487	Jul-25	Jul-27	900,000	-	900,000	-	-	-	-	600,000	200,000	100,000	900,000	
Chicopee Valley Aqueduct (CVA) Motorized Screens Replacement - Construction	60139_7488	Jan-17	Aug-17	1,209,930	1,209,930	-	-	-	-	-	-	-	-	-	-
Oakdale Turbine Rehab Des	60201_7545	May-25	Jun-29	200,000	-	200,000	-	-	-	-	75,000	50,000	50,000	175,000	25,000
Wachusett Bastion Rehabilitation - Construction	60225_7697	Feb-22	Apr-23	4,063,080	675,430	3,387,650	3,387,651	4,063,081	-	-	-	-	-	-	-
Wach Bastion Rehab REI	60227_7716	Apr-22	Jul-23	435,044	65,229	369,815	332,921	398,150	36,894	-	-	-	-	36,894	
Wach LGH Pipe Repl REI	60228_7717	Feb-23	Feb-25	882,142	-	882,142	115,000	115,000	460,200	306,942	-	-	-	767,142	

**FY24 Capital Improvement Program (CIP)  
Expenditure Forecast**

Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
Wachusett Dam Bridge Crane Removal	60230_7780	Mar-21	Sep-21	290,717	290,718	-	-	290,718	-	-	-	-	-	-	-
Wachusett Lower Gatehouse Windows & Doors	60231_7788	Oct-21	Sep-23	664,000	137,135	526,865	(18,130)	119,005	544,995	-	-	-	-	544,995	-
Wachusett Lower Gatehouse Roof & Repointing	60232_7789	Feb-25	Nov-25	350,000	-	350,000	-	-	-	50,000	300,000	-	-	350,000	-
Permits/Easements	60233_8060	Jan-23	Sep-26	2,000	-	2,000	-	-	1,000	1,000	-	-	-	2,000	-
Heat Pumps at Wachusett Lower Gatehouse, New Neponset & Newton St. Pump Station	60234_8061	Nov-23	Oct-25	1,100,000	-	1,100,000	-	-	300,000	550,000	250,000	-	-	1,100,000	-
Oakdale Valves - Phase 1 Construction	75491_6690	Oct-05	Jun-06	1,811,309	1,811,309	-	-	-	-	-	-	-	-	-	-
Oakdale Valves - Phase 1 Study & Design	75496_6831	Apr-04	Jun-07	1,070,290	1,070,290	-	-	-	-	-	-	-	-	-	-
<b>616 Quabbin Transmission System Total</b>				<b>40,505,951</b>	<b>10,649,581</b>	<b>29,856,370</b>	<b>7,278,539</b>	<b>9,261,278</b>	<b>14,980,289</b>	<b>3,182,542</b>	<b>1,325,000</b>	<b>1,850,000</b>	<b>725,000</b>	<b>22,062,831</b>	<b>515,000</b>
<b>617 Sudbury/Weston Aqueduct Repairs</b>															
Sudbury Aqueduct Inspection	60056_6838	Aug-05	Oct-06	369,520	369,520	-	-	-	-	-	-	-	-	-	-
Technical Assistance	60057_6839	Sep-09	Dec-11	25,000	25,000	-	-	-	-	-	-	-	-	-	-
Sudbury Short - Term Repairs	60076_7016	Jul-24	Jun-25	720,752	-	720,752	-	-	-	466,974	253,778	-	-	720,752	-
Sudbury Short-Term Repairs - Phase 2	60110_7317	Jul-24	Jul-25	2,098,000	-	2,098,000	-	-	-	1,573,500	524,500	-	-	2,098,000	-
Weston Aqueduct Sluice Gates - Construction	60130_7369	Nov-20	Sep-21	2,243,635	2,243,635	-	-	2,243,635	-	-	-	-	-	-	-
Rosemary Brook Building Repairs	60150_7472	Mar-16	May-18	1,748,794	1,748,794	-	-	385,956	-	-	-	-	-	-	-
Evaluation of Farm Pond Buildings - Waban Arches	60151_7473	Jul-16	Jul-18	217,771	217,771	-	-	8,829	-	-	-	-	-	-	-
Waban Arches Rehabilitation - Design/CA/RI	60153_7616	Oct-24	Oct-29	300,000	-	300,000	-	-	-	-	32,000	64,000	64,000	160,000	140,000
Waban Arches Rehabilitation - Constructon	60154_7617	Oct-26	Oct-28	1,200,000	-	1,200,000	-	-	-	-	-	288,000	576,000	864,000	336,000
Farm Pond Inlet Chamber & Gatehouse - Design	60155_7618	Oct-24	Oct-29	400,000	-	400,000	-	-	-	44,000	87,000	87,000	87,000	305,000	95,000
Farm Pond Inlet Chamber & Gatehouse - Construction	60156_7619	Oct-26	Oct-28	2,000,000	-	2,000,000	-	-	-	-	-	480,000	960,000	1,440,000	560,000
Weston Aqueduct Gatehouse Rehabilitation	60157_7700	Jan-26	Jan-27	1,324,000	-	1,324,000	-	-	-	-	306,000	1,018,000	-	1,324,000	-
Hazardous Material Sudbury Aqueduct	75486_6617	Apr-99	May-05	265,428	265,428	-	-	-	-	-	-	-	-	-	-
<b>617 Sudbury/Weston Aqueduct Repairs Total</b>				<b>12,912,900</b>	<b>4,870,148</b>	<b>8,042,752</b>	<b>-</b>	<b>2,638,420</b>	<b>-</b>	<b>2,084,474</b>	<b>1,203,278</b>	<b>1,937,000</b>	<b>1,687,000</b>	<b>6,911,752</b>	<b>1,131,000</b>
<b>620 Wachusett Reservoir Spillway Improvements Total</b>				<b>9,287,460</b>	<b>9,287,460</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>621 Watershed Land</b>															
Land Acquisition	60081_7069	Apr-06	Jun-28	34,000,000	27,406,900	6,593,100	1,070,000	5,630,500	1,000,000	1,000,000	1,000,000	1,000,000	1,523,100	5,523,100	-
<b>621 Watershed Land Total</b>				<b>34,000,000</b>	<b>27,406,900</b>	<b>6,593,100</b>	<b>1,070,000</b>	<b>5,630,500</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,000,000</b>	<b>1,523,100</b>	<b>5,523,100</b>	<b>-</b>
<b>622 Cosgrove Tunnel Redundancy Total</b>			<b>completed project</b>	<b>58,618,586</b>	<b>58,618,586</b>	<b>-</b>	<b>-</b>	<b>6,600,691</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>
<b>623 Dam Projects</b>															
Dam Safety Modifications & Repairs - Construction	60094_7194	Aug-11	Sep-12	2,054,559	2,054,554	5	-	-	-	-	-	-	-	-	-
Dam Safety Modifications & Repairs - Design/ESDC	60100_7211	Sep-09	Jun-14	1,060,757	1,060,757	-	-	-	-	-	-	-	-	-	-
Dam Permits	60118_7346	Jul-18	Dec-21	1,674	1,674	-	-	1,240	-	-	-	-	-	-	-
Quinapoxet Dam Removal - Design/ESDC	60119_7347	Nov-19	Apr-24	425,442	214,697	210,746	110,860	325,557	99,885	-	-	-	-	99,885	-
Quinapoxet Dam Removal - Construction	60120_7348	Nov-23	Apr-24	2,000,000	-	2,000,000	-	-	2,000,000	-	-	-	-	2,000,000	-
Sudbury/Foss Dam Improvements - Design/CA/RI	60190_7614	Mar-19	Dec-24	481,042	251,663	229,379	15,922	267,585	79,315	134,141	-	-	-	213,456	-
Sudbury/Foss Dam Improvements -Construction	60191_7615	Oct-23	Jun-25	3,200,000	-	3,200,000	-	-	1,000,000	2,200,000	-	-	-	3,200,000	-
Quinapoxet Dam Removal - REI	60192_7690	Nov-23	Apr-24	100,000	-	100,000	-	-	100,000	-	-	-	-	100,000	-
Foss Reservoir 3 Sluice Gates - Repoint Construction	60193_8058	Jan-24	Jul-24	1,200,000	-	1,200,000	-	-	400,000	800,000	-	-	-	1,200,000	-
<b>623 Dam Projects Total</b>				<b>10,523,474</b>	<b>3,583,345</b>	<b>6,940,130</b>	<b>126,782</b>	<b>594,382</b>	<b>3,679,200</b>	<b>3,134,141</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>6,813,341</b>	<b>-</b>
<b>625 Metro Tunnel Redundancy</b>															
Water Transmission Redundancy Plan	60035_6273	Oct-08	Sep-11	1,396,572	1,396,572	-	-	-	-	-	-	-	-	-	-
Preliminary Design & Massachusetts Environmental Protection Agency (MEPA) Review	60092_7159	Jul-20	Jan-24	15,692,527	7,205,728	8,486,799	4,497,563	11,703,291	3,989,236	-	-	-	-	3,989,236	-
Tunnel Construction	60107_7291	Jan-28	Jan-40	1,253,680,967	-	1,253,680,967	-	-	-	-	-	-	50,000,000	50,000,000	1,203,680,967
Sudbury Aqueduct - MEPA Review	60122_7352	Oct-12	Jun-17	2,072,688	2,072,687	-	-	13,292	-	-	-	-	-	-	-
Construction Management	60126_7356	Jan-26	Jan-40	149,265,156	-	149,265,156	-	-	-	-	2,000,000	2,000,000	4,000,000	8,000,000	141,265,156

**FY24 Capital Improvement Program (CIP)  
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Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
Tops of Shafts Surface Construction	60127_7357	Jan-28	Jan-34	52,981,812	-	52,981,812	-	-	-	-	-	-	2,800,000	2,800,000	50,181,812
Administration, Legal & Public Outreach	60170_7516	Jan-24	Jan-40	157,260,322	1,898,670	155,361,652	8,350	1,907,020	2,180,000	8,730,000	8,730,000	8,730,000	8,730,000	37,100,000	118,253,302
Top of Shafts Rehabilitation - Design/CA/RI	60172_7521	Apr-38	Apr-43	1,609,722	-	1,609,722	-	-	-	-	-	-	-	-	1,609,722
Top of Shafts Rehabilitation - Construction	60173_7522	Apr-40	Apr-42	6,731,566	-	6,731,566	-	-	-	-	-	-	-	-	6,731,566
Final Design/ESDC	60174_7556	Jul-24	Jan-40	114,436,620	-	114,436,620	-	-	-	11,443,750	11,443,750	11,443,750	11,443,750	45,775,000	68,661,620
Geotechnical Support Services	60175_7557	Jan-23	Dec-25	12,789,889	-	12,789,889	3,483,000	3,483,000	5,977,001	3,309,000	20,889	-	-	9,306,890	-
Shaft 7 Building - Design/CA/RI	60176_7558	Apr-38	Apr-43	1,411,605	-	1,411,605	-	-	-	-	-	-	-	-	1,411,605
Shaft 7 Buildings - Construction	60177_7559	Apr-40	Apr-42	7,755,526	-	7,755,526	-	-	-	-	-	-	-	-	7,755,526
Program Support Services	60178_7655	Apr-19	Mar-28	17,497,877	6,141,803	11,356,074	2,119,229	8,261,033	2,300,000	1,750,000	1,750,000	1,775,000	1,661,844	9,236,844	-
<b>625 Metro Tunnel Redundancy Total</b>				<b>1,794,582,849</b>	<b>18,715,460</b>	<b>1,775,867,388</b>	<b>10,108,142</b>	<b>25,367,636</b>	<b>14,446,237</b>	<b>25,232,750</b>	<b>23,944,639</b>	<b>23,948,750</b>	<b>78,635,594</b>	<b>166,207,970</b>	<b>1,599,551,276</b>
<b>628 Metropolitan Redundancy Interim Improvements</b>															
CP1 Shafts 6, 8, 9A	60202_7561	Oct-20	Apr-22	2,209,993	2,153,993	56,000	56,000	2,209,993	-	-	-	-	-	-	-
Weston Aqueduct Supply Mains (WASM)/Spot Pond Supply Mains (SPSM) Pressure Reducing Valves (PRV) Improvements - Construction	60204_7563	Jun-21	Jul-23	11,605,860	3,081,794	8,524,065	7,601,500	10,683,294	922,565	-	-	-	-	922,565	-
Easements/Permits	60206_7573	Apr-19	Jun-27	300,000	33,210	266,790	25,000	58,110	50,000	50,000	62,950	78,840	-	241,790	-
Chestnut Hill Emergency Pump Station Improvements (CHEPS) - Design/CA	60207_7574	Apr-19	May-23	680,950	558,761	122,189	122,189	680,950	-	-	-	-	-	-	-
WASM/SPSM PRV - Design/CA	60208_7575	Jul-18	May-24	2,849,332	1,704,255	1,145,077	291,159	1,995,413	853,919	-	-	-	-	853,919	-
Shaft 5 Improvements - Design/CA	60209_7599	May-21	May-26	1,158,678	225,781	932,897	430,188	655,969	500,000	2,709	-	-	-	502,709	-
Shaft 5 Improvements - Construction	60210_7600	Oct-23	Oct-25	3,000,000	-	3,000,000	-	-	750,000	1,250,000	1,000,000	-	-	3,000,000	-
CP3 Shafts 7, 7B, 7C & 7D	60213_7670	Oct-23	Apr-25	8,560,000	-	8,560,000	-	-	5,660,000	2,900,000	-	-	-	8,560,000	-
CP2 Shaft 5	60214_7671	Nov-23	May-25	4,881,000	-	4,881,000	-	-	1,627,000	3,254,000	-	-	-	4,881,000	-
Waltham Water Pipeline - REI	60215_7672	Oct-22	Jul-25	2,882,956	-	2,882,956	471,017	471,017	1,200,000	1,211,940	-	-	-	2,411,940	-
Shaft 5 Improvements - REI	60216_7673	Oct-23	Jul-25	286,000	-	286,000	-	-	82,000	204,000	-	-	-	286,000	-
WASM/SPSM PRV - REI	60217_7674	Jun-21	Jul-23	718,080	174,234	543,846	425,154	599,388	118,692	-	-	-	-	118,692	-
CP2 Tops of Shafts - REI	60220_7702	Nov-23	May-25	528,000	-	528,000	-	-	60,000	390,000	78,000	-	-	528,000	-
CP3 Tops of Shafts - REI	60221_7703	Oct-23	Apr-25	250,000	-	250,000	-	-	125,000	125,000	-	-	-	250,000	-
CP3 Section 101 Control Valve - REI	60222_8026	Jul-30	Oct-32	1,933,000	-	1,933,000	-	-	-	-	-	-	-	-	1,933,000
CP3 Section 101 Control Valve - Design/CA	60223_8027	Jul-28	Oct-33	4,991,000	-	4,991,000	-	-	-	-	-	-	-	4,991,000	-
Shaft 9 Building Improvements - Construction	60236_8074	Jul-30	Jul-32	13,600,000	-	13,600,000	-	-	-	-	-	-	-	13,600,001	-
Shaft 9 Building Improvements - Design/ESDC	60237_8075	Jul-28	Jul-33	1,200,000	-	1,200,000	-	-	-	-	-	-	-	1,200,000	-
Shaft 9 Building Improvements - REI	60238_8076	Jul-30	Jul-32	600,000	-	600,000	-	-	-	-	-	-	-	600,000	-
WASM 3 - MEPA/Design/CA/RI	68166_6539	Jul-13	Jun-27	15,512,835	5,622,428	9,890,407	1,374,949	4,982,972	1,350,000	2,150,000	2,150,000	1,487,971	1,377,487	8,515,458	-
WASM 3 Rehabilitation CP-2	68170_6543	Mar-24	May-27	13,722,100	-	13,722,100	-	-	-	4,574,034	4,574,034	4,574,032	-	13,722,100	-
WASM 3 Rehabilitation CP-1	68171_6544	Oct-20	Aug-24	20,256,272	13,049,418	7,206,854	5,260,350	18,309,768	1,946,507	-	-	-	-	1,946,507	-
CP3 Section 101 Control Valve - Construction	68172_6545	Jul-30	Jul-32	54,047,900	-	54,047,900	-	-	-	-	-	-	-	-	54,047,900
Waltham Water Pipeline - Construction	68333_7457	Jul-22	Apr-24	27,552,619	-	27,552,619	6,350,001	6,350,001	13,500,000	7,702,619	-	-	-	21,202,619	-
Commonwealth Ave. Pump Station Improvements - Design/CA/RI	75580_7523	Jan-17	Apr-22	3,054,052	3,030,099	23,953	23,953	2,231,269	-	-	-	-	-	-	-
Commonwealth Ave. Pump Station Improvements - Construction	75581_7524	Feb-19	Mar-21	7,988,600	7,768,601	219,999	220,000	7,988,601	-	-	-	-	-	-	-
<b>628 Metro Redundancy Interim Improvements Total</b>				<b>204,369,227</b>	<b>37,402,574</b>	<b>166,966,652</b>	<b>22,651,460</b>	<b>57,216,745</b>	<b>28,745,683</b>	<b>23,814,302</b>	<b>7,864,984</b>	<b>6,140,843</b>	<b>1,377,487</b>	<b>67,943,299</b>	<b>76,371,901</b>
<b>630 Watershed Division Capital Improvements</b>															
Quabbin Administration Building Rehabilitation - Design/CA/RI	60300_7564	Jul-25	Jul-31	2,800,000	-	2,800,000	-	-	-	-	500,000	500,000	450,000	1,450,000	1,350,000
Quabbin Administration Building Rehabilitation - Construction	60301_7565	Oct-26	Oct-29	12,000,000	-	12,000,000	-	-	-	-	-	2,880,000	5,760,000	8,640,000	3,360,000
Quabbin Administration Building Rehabilitation - Conceptual Design Report	60302_7569	Dec-23	Dec-24	250,000	-	250,000	-	-	175,000	75,000	-	-	-	250,000	-
Maintenance Garage/Wash Bay/Storage Building - Construction	60303_7577	Dec-23	Dec-25	4,800,000	-	4,800,000	-	-	2,900,000	1,650,000	250,000	-	-	4,800,000	-
Maintenance Garage/Wash Bay/Storage Building - Design/CA/RI	60304_7677	May-21	Dec-24	1,318,278	570,480	747,798	452,903	1,023,382	244,705	50,191	-	-	-	294,896	-

**FY24 Capital Improvement Program (CIP)  
Expenditure Forecast**

Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
River Rd Improvements - Wachusett	60305_7701	Feb-21	Nov-21	1,902,495	1,893,494	9,001	9,001	1,902,495	-	-	-	-	-	-	-
Quabbin Water Supply - Construction	60307_7753	May-22	Feb-23	501,463	-	501,463	501,463	501,463	-	-	-	-	-	-	-
New Salem Building Constr	60308_7911	Jun-25	Jul-26	-	-	-	-	-	-	-	-	-	-	-	-
Permits	60309_8022	Sep-22	Jul-30	10,000	-	10,000	667	667	4,333	5,000	-	-	-	9,333	-
New Salem Building Design	60310_8073	Jan-24	Jan-25	-	-	-	-	-	-	-	-	-	-	-	-
<b>630 Watershed Division Capital Improvements Total</b>				<b>23,582,236</b>	<b>2,463,974</b>	<b>21,118,262</b>	<b>964,034</b>	<b>3,428,007</b>	<b>3,324,038</b>	<b>1,780,191</b>	<b>750,000</b>	<b>3,380,000</b>	<b>6,210,000</b>	<b>15,444,229</b>	<b>4,710,000</b>
<b>Distribution And Pumping</b>				<b>1,178,966,835</b>	<b>552,270,446</b>	<b>626,696,384</b>	<b>39,391,173</b>	<b>127,304,127</b>	<b>47,087,466</b>	<b>68,845,383</b>	<b>64,952,469</b>	<b>52,725,051</b>	<b>14,533,882</b>	<b>248,144,251</b>	<b>339,160,961</b>
<b>618 Peabody Pipeline Project Total</b>		<b>completed project</b>		<b>1,447,968</b>	<b>1,447,967</b>	<b>-</b>	<b>-</b>	<b>388,886</b>							
<b>677 Valve Replacement Total</b>		<b>completed project</b>		<b>12,016,383</b>	<b>12,016,378</b>	<b>-</b>									
<b>678 Boston Low Service - Pipe &amp; Valve Rehabilitation Total</b>		<b>completed project</b>		<b>23,690,863</b>	<b>23,690,863</b>	<b>-</b>									
<b>683 Heath Hill Road Pipe ReplacementTotal</b>		<b>completed project</b>		<b>19,358,036</b>	<b>19,358,036</b>	<b>-</b>									
<b>689 James L. Gillis Pump Station Rehabilitation Total</b>		<b>completed project</b>		<b>33,419,007</b>	<b>33,419,008</b>	<b>-</b>									
<b>692 Northern High Service (NHS) - Section 27 Improvements</b>															
Section 27 - Construction	67769_6333	Mar-30	Nov-31	1,723,254	26,581	1,696,673	-	-	-	-	-	-	-	-	1,696,673
Easements	68192_6589	Apr-16	Jun-22	1,600	-	1,600	1,600	1,600	-	-	-	-	-	-	-
Technical Assistance	68211_6712	Oct-99	Jun-22	62,519	59,794	2,725	2,725	2,725	-	-	-	-	-	-	-
Surveying	68229_6809	Jun-01	Mar-17	37,271	37,271	-	-	-	-	-	-	-	-	-	-
Section 27 Rehabilitation - Design/CA	68390_7721	Mar-29		187,600	-	187,600	-	-	-	-	-	-	-	-	187,600
Section 27 Rehabilitation - REI	68391_7722	Mar-30	Nov-31	128,354	-	128,354	-	-	-	-	-	-	-	-	128,354
<b>692 Northern High Service (NHS) - Section 27 Improvements Total</b>				<b>2,140,598</b>	<b>123,646</b>	<b>2,016,952</b>	<b>4,325</b>	<b>4,325</b>							<b>2,012,627</b>
<b>693 NHS - Revere &amp; Malden Pipeline Improvements</b>															
Revere & Malden - Design/CS/RI	67780_5185	May-88	Sep-94	1,785,747	1,785,747	-	-	-	-	-	-	-	-	-	-
Revere Beach - Construction	67781_5186	Aug-92	Oct-94	6,314,186	6,314,186	-	-	-	-	-	-	-	-	-	-
Malden Section 53 - Construction	67782_5176	Apr-92	Sep-94	10,026,430	10,026,430	-	-	-	-	-	-	-	-	-	-
Revere Section 53 - Construction	67784_5177	Sep-08	Aug-09	2,938,022	2,938,022	-	-	-	-	-	-	-	-	-	-
Control Valves - Construction	67785_5191	Jun-88	Aug-89	948,780	948,780	-	-	-	-	-	-	-	-	-	-
Deer Island Pipeline Cleaning & Lining - Construction	67786_5179	Jun-90	Sep-90	157,930	157,930	-	-	-	-	-	-	-	-	-	-
Winthrop Cleaning & Lining - Construction	67787_5178	Jun-90	Aug-90	575,040	575,040	-	-	-	-	-	-	-	-	-	-
CP-1 Section 53 Connections - Construction	67790_6335	Jul-24	Oct-26	51,500,000	-	51,500,000	-	-	-	15,000,000	21,500,000	15,000,000	-	51,500,000	-
Technical Assistance	67791_5986	Jul-06	Mar-18	246,445	246,445	-	-	-	-	-	-	-	-	-	-
Linden Square - Construction	67792_5238	Apr-91	Nov-91	1,849,430	1,849,430	-	-	-	-	-	-	-	-	-	-
Linden Square - Construction Administration	67793_5239	Apr-91	Nov-91	125,380	125,380	-	-	-	-	-	-	-	-	-	-
Road Restoration - Design/CA/RI	67996_6033	Nov-94	Dec-95	77,250	77,250	-	-	-	-	-	-	-	-	-	-
Road Restoration - Construction	67997_6034	Jul-95	Jun-96	1,713,790	1,713,790	-	-	-	-	-	-	-	-	-	-
Malden Section 53 - Landscaping	68020_6113	Apr-96	Jun-96	20,000	-	20,000	-	-	-	-	-	-	-	-	-
Sidewalk Restoration	68033_6183	Sep-96	Oct-96	54,100	54,100	-	-	-	-	-	-	-	-	-	-
Revere Section 53 - Easements	68078_6334	Sep-02	Jul-09	210	210	-	-	-	-	-	-	-	-	-	-
Sect 14 Water Pipe Relocation (Malden)	68257_6957	Jul-17	May-18	1,554,119	1,554,119	-	-	52,458	-	-	-	-	-	-	-
Permits	68280_7049	Apr-05	Mar-22	5,000	2,430	2,570	2,570	2,870	-	-	-	-	-	-	-
Section 56 Replacement/Saugus - Design/CA	75545_7454	Nov-19	Jul-25	4,345,880	2,265,409	2,080,470	487,420	2,752,830	600,000	600,000	393,050	-	-	1,593,050	-
Sections 53 and 99 Connections - Design/CA	75548_7485	Feb-20	Jul-29	4,985,263	1,363,391	3,621,872	1,180,862	2,544,253	472,000	472,000	472,000	472,000	472,000	2,360,000	81,010
Section 56 Replacement- Construction	75549_7486	Jul-24	Jul-25	6,700,000	-	6,700,000	-	-	-	6,000,000	700,000	-	-	6,700,000	-
Section 56 Replacement Feasibility Study	75565_7500	Dec-15	Jun-17	224,777	224,777	-	-	-	-	-	-	-	-	-	-
Section 56 Pipe Demolition Construction	75570_7536	Oct-18	May-19	1,780,754	1,780,754	-	-	1,780,754	-	-	-	-	-	-	-

**FY24 Capital Improvement Program (CIP)  
Expenditure Forecast**

Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
Sections 13 & 48 Rehabilitation - Design /CA/RI	75571_7602	Jul-27	Jul-32	2,309,800	-	2,309,800	-	-	-	-	-	-	500,000	500,000	1,809,800
Sections 13 & 48 Rehabilitation - Construction	75572_7603	Jul-29	Jul-31	12,450,000	-	12,450,000	-	-	-	-	-	-	-	-	12,450,000
Section 56 Replacement - REI	75573_7681	Jul-24	Jul-25	622,032	-	622,032	-	-	-	500,000	122,032	-	-	622,032	-
Sections 14, 53 & 99 Connections - REI	75574_7682	Jul-24	Apr-29	3,131,000	-	3,131,000	-	-	-	800,000	1,131,000	600,000	500,000	3,031,000	100,000
CP2 Section 14 - Construction	75577_7699	Apr-26	Apr-28	5,829,000	-	5,829,000	-	-	-	-	-	3,829,000	2,000,000	5,829,000	-
<b>693 NHS - Revere &amp; Malden Pipeline Improvements Total</b>				<b>122,270,365</b>	<b>34,023,620</b>	<b>88,246,744</b>	<b>1,670,852</b>	<b>7,133,165</b>	<b>1,072,000</b>	<b>23,372,000</b>	<b>24,318,082</b>	<b>19,901,000</b>	<b>3,472,000</b>	<b>72,135,082</b>	<b>14,440,810</b>
<b>702 New Connecting Mains - Shaft 7 to WASM 3</b>															
Routing Study	67846_5163	Aug-94	Nov-96	397,087	397,087	-	-	-	-	-	-	-	-	-	-
Watertown MOU	68035_6199	Jun-94	Sep-97	167,000	167,000	-	-	-	-	-	-	-	-	-	-
CP1- Design/CA/RI	68110_6383	Sep-98	Jul-11	3,532,814	3,532,814	-	-	-	-	-	-	-	-	-	-
Design/CA/RI DP2/4 Meter 120	68111_6384	Aug-02	Oct-08	1,277,722	1,277,722	-	-	-	-	-	-	-	-	-	-
CP3 (Sect 23, 24, 47) - Final Design/CA/RI	68112_6385	Jul-16	Aug-25	3,752,269	2,091,451	1,660,818	951,345	1,433,990	497,720	200,000	11,753	-	-	709,473	-
CP1 A & B - Easements	68114_6387			16,919	16,919	-	-	-	-	-	-	-	-	-	-
CP3 - Easements	68115_6388	Jan-18	Dec-18	27,963	-	27,963	27,963	27,963	-	-	-	-	-	-	-
CP5 - Easements	68117_6390	Dec-06	Jan-11	21,659	21,659	-	-	-	-	-	-	-	-	-	-
CP3-Sections 23, 24 & 47 Rehabilitation	68119_6392	Nov-21	May-24	24,583,000	2,686,987	21,896,013	12,441,204	15,128,190	9,454,810	-	-	-	-	9,454,810	-
CP5 - Northeast Segment	68121_6394	Aug-09	Nov-11	5,902,607	5,902,606	1	-	-	-	-	-	-	-	-	-
CP-3 - Clean & Line Sections 47, 59 & 60	68174_6548	Apr-25	Apr-27	13,814,895	-	13,814,895	-	-	-	804,174	6,838,000	6,172,721	-	13,814,895	-
CP2 -Easements	68175_6547	May-17	May-25	33,000	1,000	32,000	8,259	9,259	12,655	11,087	-	-	-	23,742	-
Sections 25, 75, 24, 47, 59 & 60 - Design/CA	68255_6955	Jan-19	Jun-26	6,451,907	2,847,635	3,604,272	1,133,845	3,981,480	1,000,000	1,000,000	470,427	-	-	2,470,427	-
Sections 25 & 24 - Construction CP-2	68256_6956	Apr-23	Oct-25	21,421,787	-	21,421,787	-	-	9,000,000	12,000,000	421,787	-	-	21,421,787	-
Section 75 Extension - Construction CP-1	68350_7484	Oct-23	Oct-25	14,000,000	-	14,000,000	-	-	6,000,000	7,000,000	1,000,000	-	-	14,000,000	-
Sections 24 & 25, CP2 - REI	68351_7680	Apr-23	Dec-25	1,960,000	-	1,960,000	-	-	500,000	800,000	660,000	-	-	1,960,000	-
Section 75 Extension, CP-1 - REI	68352_8067	Oct-23	Oct-25	1,154,000	-	1,154,000	-	-	154,000	700,000	300,000	-	-	1,154,000	-
Sections 59 & 60 Extension, CP-3 - REI	68353_8068	Apr-25	Apr-27	1,154,000	-	1,154,000	-	-	-	154,000	600,000	400,000	-	1,154,000	-
<b>702 New Connecting Mains - Shaft 7 to WASM 3 Total</b>				<b>99,668,629</b>	<b>18,942,880</b>	<b>80,725,749</b>	<b>14,562,616</b>	<b>20,580,882</b>	<b>26,619,185</b>	<b>22,669,261</b>	<b>10,301,967</b>	<b>6,572,721</b>	-	<b>66,163,134</b>	
<b>704 Rehabilitation of Other Pump Stations</b>															
Preliminary Design	67885_5153	Aug-94	Mar-96	351,000	351,000	-	-	-	-	-	-	-	-	-	-
Design/CS/RI	68017_6110	May-97	Nov-04	2,545,826	2,545,826	-	-	-	-	-	-	-	-	-	-
Construction II & C	68072_6304	Jan-00	Feb-01	639,272	639,272	-	-	-	-	-	-	-	-	-	-
Rehabilitation of 5 Pump Stations	68102_6375	Oct-06	Jun-10	21,847,856	21,847,856	-	-	-	-	-	-	-	-	-	-
Technical Assistance	68178_6556	Jul-99	May-27	32,610	32,610	-	-	32,610	-	-	-	-	-	-	-
Legal	68179_6557	Jul-99	Jan-10	6,097	6,097	-	-	-	-	-	-	-	-	-	-
Proprietary Equipment Purchases	68204_6676	Jun-99	Jan-10	157,638	157,638	-	-	-	-	-	-	-	-	-	-
Design 2 CS/RI	68266_6980	Dec-04	Jun-11	4,510,163	4,510,163	-	-	-	-	-	-	-	-	-	-
Pump Station Rehabilitation - Design/CA	75583_7526	Jul-25	Jun-31	3,963,500	-	3,963,500	-	-	-	-	594,000	793,000	793,000	2,180,000	1,783,500
Pump Station Rehabilitation - Construction	75584_7527	Jul-28	Jun-30	16,010,000	-	16,010,000	-	-	-	-	-	-	-	-	16,010,000
Pump Station Rehabilitation - REI	75585_7720	Jul-28	Jun-30	1,508,346	-	1,508,346	-	-	-	-	-	-	-	-	1,508,346
<b>704 Rehabilitation of Other Pump Stations Total</b>				<b>51,572,308</b>	<b>30,090,462</b>	<b>21,481,846</b>	-	<b>32,610</b>	-	-	<b>594,000</b>	<b>793,000</b>	<b>793,000</b>	<b>2,180,000</b>	<b>19,301,846</b>
<b>706 NHS-Connecting Mains from Section 91 Total</b>			<b>completed project</b>	<b>2,360,194</b>	<b>2,360,194</b>	-									
<b>708 Northern Extra High Service (NEH) - New Pipelines</b>															
Design/CA/RI	67970_5242	Sep-94	Jun-01	587,802	587,802	-	-	-	-	-	-	-	-	-	-
Appraisal & Easements	67971_6339	Sep-94	Jun-01	389	389	-	-	-	-	-	-	-	-	-	-
Construction	67972_6340	Aug-99	Sep-01	3,031,572	3,031,572	-	-	-	-	-	-	-	-	-	-
Regulatory Compliance	68010_6099	Nov-95	Oct-00	250	250	-	-	-	-	-	-	-	-	-	-
CP-1 NEH Improvements	68162_6522	Mar-22	Jun-24	10,955,146	2,194,889	8,760,257	7,713,725	9,908,614	1,046,532	-	-	-	-	1,046,532	-
Public Participation	68176_6554	Jul-15	Nov-28	5,000	-	5,000	5,000	5,000	-	-	-	-	-	-	-
Legal	68177_6555	Jul-15	Nov-28	1,200,000	-	1,200,000	5,000	5,000	695,000	500,000	-	-	-	1,195,000	-

**FY24 Capital Improvement Program (CIP)  
Expenditure Forecast**

Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
Technical Assistance	68210_6707	Nov-10	Nov-28	7,886	7,886	-	-	-	-	-	-	-	-	-	-
PLC Equipment Purchases	68215_6749	Dec-99	Dec-00	4,220	4,220	1	-	-	-	-	-	-	-	-	-
Permits	68281_7050	Nov-10	Nov-28	3,150	3,150	-	-	3,150	-	-	-	-	-	-	-
NEH Improvements - Design/ESDC	75528_7404	Feb-21	Nov-28	6,710,054	1,330,579	5,379,475	1,509,596	2,840,175	1,000,000	800,000	800,000	276,748	800,000	3,676,748	193,130
NEH Improvements - REI	75595_7724	Apr-22	Nov-27	865,228	-	865,228	215,798	215,798	150,000	150,000	150,000	99,430	100,000	649,430	-
CP-2 NEH Improvements	75596_7725	Dec-23	Jul-27	20,700,000	-	20,700,000	-	-	1,000,000	8,000,000	8,000,000	3,000,000	700,000	20,700,000	-
CP-3 NEH Improvements	75680_7910	Jul-26	Nov-30	12,700,000	-	12,700,000	-	-	-	-	-	1,700,000	4,000,000	5,700,000	7,000,000
CP-2 - REI	75681_8004	Dec-23	Oct-27	1,500,000	-	1,500,000	-	-	150,000	450,000	450,000	440,000	10,000	1,500,000	-
CP-3 - REI	75682_8005	Jul-26	Nov-30	1,500,000	-	1,500,000	-	-	-	-	-	270,000	360,000	630,000	870,000
<b>708 Northern Extra High Service (NEH) - New Pipelines Total</b>				<b>59,770,697</b>	<b>7,160,737</b>	<b>52,609,961</b>	<b>9,449,119</b>	<b>12,977,737</b>	<b>4,041,532</b>	<b>9,900,000</b>	<b>9,400,000</b>	<b>5,786,178</b>	<b>5,970,000</b>	<b>35,097,710</b>	<b>8,063,130</b>
<b>712 Cathodic Protection of Distribution Mains</b>															
Planning Phase I	68002_6058	Apr-95	Dec-97	107,680	107,680	-	-	-	-	-	-	-	-	-	-
Cathodic Protection Testing & Evaluation Program	68129_6438	Aug-15	Aug-17	128,716	128,716	-	-	-	-	-	-	-	-	-	-
Cathodic Protection Shafts E, L, N & W - Construction	68130_6439	Jan-24	Oct-25	5,067,000	-	5,067,000	-	-	1,381,909	2,763,818	921,273	-	-	5,067,000	-
Cathodic Protection Shafts E & L	68131_6440	Jan-19	Aug-19	890,500	890,500	-	-	890,500	-	-	-	-	-	-	-
Technical Assistance	68216_6751	Jan-00	May-09	33,233	33,233	-	-	-	-	-	-	-	-	-	-
Cathodic Protection Shafts E, L, N & W - REI	68381_7610	Jan-24	Oct-25	1,041,000	-	1,041,000	-	-	283,909	567,818	189,273	-	-	1,041,000	-
<b>712 Cathodic Protection of Distribution Mains Total</b>				<b>7,268,129</b>	<b>1,160,129</b>	<b>6,108,000</b>	<b>-</b>	<b>890,500</b>	<b>1,665,818</b>	<b>3,331,636</b>	<b>1,110,546</b>	<b>-</b>	<b>-</b>	<b>6,108,000</b>	<b>-</b>
<b>713 Spot Pond Supply Mains Rehabilitation</b>															
Section 4 Webster Ave. Bridge Pipe Rehabilitation - Design	60114_7334	Oct-13	Mar-17	642,341	642,341	-	-	-	-	-	-	-	-	-	-
Section 4 Webster Ave. Bridge Pipe Rehabilitation - Construction	60115_7335	May-15	Dec-16	3,792,313	3,792,313	-	-	-	-	-	-	-	-	-	-
Walnut St. Bridge Truss - Construction	60145_7483	Feb-22	Aug-23	988,900	134,166	854,734	668,000	802,166	186,734	-	-	-	-	186,734	-
Walnut St. Bridge Truss Repair	60146_7787	May-28	Oct-29	800,000	-	800,000	-	-	-	-	-	-	-	-	800,000
Preliminary Design & Design/CA/RI	68038_6223	Sep-98	Oct-08	10,868,582	10,868,582	-	-	-	-	-	-	-	-	-	-
Easements & Paving - CP1	68059_6316	May-00	Mar-02	143,347	143,347	-	-	-	-	-	-	-	-	-	-
North (Medford/Melrose), CP1	68060_6317	May-00	Jan-02	6,597,330	6,597,330	-	-	-	-	-	-	-	-	-	-
Easements - CP2	68106_6379	May-02	Jun-06	49,601	49,601	-	-	-	-	-	-	-	-	-	-
Easements - CP3	68107_6380	Apr-04	Nov-07	79,782	79,782	-	-	-	-	-	-	-	-	-	-
Middle (Medford/Somerville), CP2	68108_6381	Jun-02	Jul-06	22,176,813	22,176,813	-	-	-	-	-	-	-	-	-	-
South (Cambridge/Boston), CP3	68109_6382	Oct-04	Apr-08	17,590,133	17,590,133	-	-	-	-	-	-	-	-	-	-
Early Valve Replacement Contract	68150_6475	Sep-98	Jan-00	2,387,073	2,387,073	-	-	-	-	-	-	-	-	-	-
Easements - CP4	68151_6476	Sep-06	May-09	1,451	1,451	-	-	-	-	-	-	-	-	-	-
Early Valve Equipment Purchase	68153_6483	May-98	Nov-01	161,390	161,390	-	-	-	-	-	-	-	-	-	-
Easements - CP5	68225_6784	Jul-14	Jun-20	78,097	78,097	-	-	3,600	-	-	-	-	-	-	-
South (Cambridge/Boston), CP3 - CA/RI	68274_7003	Sep-04	Apr-09	924,656	924,656	-	-	-	-	-	-	-	-	-	-
<b>713 Spot Pond Supply Mains Rehabilitation Total</b>				<b>67,281,809</b>	<b>65,627,075</b>	<b>1,654,734</b>	<b>668,000</b>	<b>805,766</b>	<b>186,734</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>186,734</b>	<b>800,000</b>
<b>714 Southern Extra High Sections 41 &amp; 42 Total</b>			<b>completed project</b>	<b>3,657,244</b>	<b>3,657,244</b>	<b>-</b>									
<b>719 Chestnut Hill Connecting Mains</b>															
Pump Station Potable Connection - Design/CA/RI	68026_6141	Mar-00	Dec-04	1,359,533	1,359,533	-	-	-	-	-	-	-	-	-	-
Preliminary Engineering	68051_6301	Jan-05	Apr-06	457,200	457,200	-	-	-	-	-	-	-	-	-	-
Easements	68053_6303	Apr-03	Dec-07	80,575	80,575	-	-	-	-	-	-	-	-	-	-
Emergency Pump Relocation - Construction	68155_6501	Feb-99	Mar-01	6,502,187	6,502,187	-	-	-	-	-	-	-	-	-	-
Emergency Pump Relocation - Design/CA/RI	68157_6503	May-98	May-01	1,120,816	1,120,816	-	-	-	-	-	-	-	-	-	-
Boston Paving	68180_6558	Jul-99	Dec-07	132,896	132,896	-	-	-	-	-	-	-	-	-	-
Legal	68182_6560	Jul-99	Jun-08	1,137	1,137	-	-	-	-	-	-	-	-	-	-
(Boston Edison Company (BECO) Emergency Pump Construction	68199_6623	Sep-99	Jun-00	430,641	430,641	-	-	-	-	-	-	-	-	-	-
Pump Station Potable Connection - Construction	68203_6651	Apr-02	Dec-03	7,132,109	7,132,109	-	-	-	-	-	-	-	-	-	-

**FY24 Capital Improvement Program (CIP)  
Expenditure Forecast**

Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
Equipment Pre-purchase	68230_6814	Apr-01	Oct-01	154,337	154,337	-									
Demolition of Garages	68231_6820	Feb-02	May-02	71,600	71,600	-									
Utilities	68244_6869	Jun-02	Aug-02	43,644	43,644	-									
Chestnut Hill Final Connections - Construction	68267_6982	Jul-31	Dec-33	28,259,219	-	28,259,219									28,259,219
Chestnut Hill Final Connections - Design/ESDC	68268_6995	Jul-29	Dec-34	5,327,157	-	5,327,157									5,327,157
Chestnut Hill Gatehouse No. 1 Repairs - Construction	75521_7382	Nov-17	Apr-18	799,843	799,843	-									-
Chestnut Hill Final Connectons - REI	75591_7705	Jul-31	Dec-33	2,559,968	-	2,559,968									2,559,968
<b>719 Chestnut Hill Connecting Mains Total</b>				<b>54,432,862</b>	<b>18,286,518</b>	<b>36,146,344</b>									<b>36,146,344</b>
<b>720 Warren Cottage Line Rehabilitation Total</b>		<b>completed project</b>		<b>1,204,821</b>	<b>1,204,821</b>	<b>-</b>									
<b>721 Southern Spine Distribution Mains</b>															
Sections 21, 43 & 22 - Design	68083_6290	Sep-00	May-13	7,114,815	7,114,815	-	-	-	-	-	-	-	-	-	-
Sections 21, 43 & 22 - Easements	68084_6291	Mar-02	May-12	106,986	106,986	-	-	-	-	-	-	-	-	-	-
Section 22 South - Construction	68085_6292	Jul-03	Jun-05	4,993,131	4,993,131	-	-	-	-	-	-	-	-	-	-
Sections 20 & 58 - Design/ESDC	68089_6296	Jul-28	Jun-33	5,633,316	-	5,633,316	-	-	-	-	-	-	-	-	5,633,316
Sections 20 & 58 - Easements	68090_6297	Jul-28	Jun-33	35,070	-	35,070	-	-	-	-	-	-	-	-	35,070
Sections 20 & 58 - Construction	68091_6298	Jul-30	Jul-32	28,616,627	-	28,616,627	-	-	-	-	-	-	-	-	28,616,627
Adams Street Bridge	68122_6396	Jul-98	Dec-99	153,783	153,783	-	-	-	-	-	-	-	-	-	-
Southern High Public Participation	68193_6601	Oct-98	May-99	15,000	15,000	-	-	-	-	-	-	-	-	-	-
Southern High Extension Study	68194_6602	Sep-98	May-99	242,372	242,372	-	-	-	-	-	-	-	-	-	-
Boston Paving	68228_6787			3,194	3,194	-	-	-	-	-	-	-	-	-	-
Section 22 - Construction	68235_6844	Jul-28	Jul-30	34,897,159	-	34,897,159	-	-	-	-	-	-	-	-	34,897,159
Section 107 Phase 1 - Construction	68236_6845	Jul-07	Jan-09	6,184,362	6,184,362	-	-	-	-	-	-	-	-	-	-
Legal	68237_6846	May-04	May-27	5,000	1,692	3,308	534	1,034	641	619	620	894	-	2,774	-
Technical Assistance	68238_6847	Feb-04	Oct-05	28,102	28,102	-	-	-	-	-	-	-	-	-	-
Contract 1A - Construction	68247_6885	Nov-03	Jun-05	2,858,603	2,858,603	-	-	-	-	-	-	-	-	-	-
Section 107 Phase 2 - Construction	68290_7099	Jan-10	Jan-12	14,846,562	14,846,562	-	-	-	-	-	-	-	-	-	-
Milton Pressure Regulator Valve	68291_7104	Jun-06	Nov-06	135,000	135,000	-	-	-	-	-	-	-	-	-	-
Section 22 - Design/ESDC	68298_7120	Mar-24	Apr-29	2,672,800	-	2,672,800	-	-	53,456	518,523	518,523	518,523	518,523	2,127,548	545,252
Section 22 Rehabilitation Alternative Analysis & Environmental Permitting	68299_7155	Sep-19	Sep-23	2,220,000	1,761,742	458,258	232,445	1,994,187	225,813	-	-	-	-	225,813	-
Section 22 - REI	68415_7723	Jul-28	Jul-30	1,623,525	-	1,623,525	-	-	-	-	-	-	-	-	1,623,525
Sections 20 & 58 - REI	68417_8009	Sep-29	May-31	1,219,420	-	1,219,420	-	-	-	-	-	-	-	-	1,219,420
<b>721 Southern Spine Distribution Mains Total</b>				<b>113,604,827</b>	<b>38,445,344</b>	<b>75,159,483</b>	<b>232,979</b>	<b>1,995,221</b>	<b>279,910</b>	<b>519,142</b>	<b>519,143</b>	<b>519,417</b>	<b>518,523</b>	<b>2,356,135</b>	<b>72,570,369</b>
<b>722 Northern Intermediate High (NIH) Redundancy &amp; Storage</b>															
Concept Plan	53454_6954	Feb-06	Aug-10	796,748	796,748	-	-	-	-	-	-	-	-	-	-
Easements	68093_6306	Jul-17	Jun-20	469,450	469,450	-	-	40,000	-	-	-	-	-	-	-
Section 89 & 29 Redundancy - Design	68252_6906	Mar-11	Dec-20	6,311,074	6,311,074	-	-	1,139,708	-	-	-	-	-	-	-
Purchase Mobile Pump Unit	68276_7026	Jul-09	Jan-10	290,848	290,848	-	-	-	-	-	-	-	-	-	-
Short Term Improvements - Design/CA/RI	68277_7045	Sep-09	May-15	820,733	820,733	-	-	-	-	-	-	-	-	-	-
Permits	68278_7047	Jan-10	Jan-28	5,000	1,022	3,978	990	1,862	2,083	905	-	-	-	2,988	-
Technical Assistance	68279_7048	Jan-10	Jan-28	18,000	-	18,000	3,000	3,000	3,000	3,000	3,000	6,000	-	15,000	-
West St. Pipe Woburn/Reading Phase 1A Construction	68282_7066	Jun-14	May-15	1,909,952	1,909,952	-	-	-	-	-	-	-	-	-	-
Section 89 & 29 Redundancy Phase 2 Construction	68283_7067	Sep-17	Jun-20	25,261,876	25,261,876	-	-	19,805,674	-	-	-	-	-	-	-
NIH Storage - Construction	68284_7068	Jan-26	Jan-28	33,028,377	-	33,028,377	-	-	-	-	16,414,188	16,414,188	200,001	33,028,377	-
Section 89 & 29 Replacement - Design/ESDC	68294_7116	Apr-18	Jun-26	4,391,725	2,935,819	1,455,906	376,989	3,168,054	450,000	400,000	228,917	-	-	1,078,917	-
Section 89 & 29 Replacement - Construction	68295_7117	Aug-21	Aug-25	33,659,000	4,265,703	29,393,297	11,843,413	16,109,116	10,775,000	6,774,884	-	-	-	17,549,884	-
Gillis Pump Station Improvements	68309_7260	Jul-13	Dec-14	2,092,773	2,092,773	-	-	(85,552)	-	-	-	-	-	-	-
Reading/Stoneham Interconnections	68310_7261	Aug-11	Oct-12	3,466,546	3,466,546	-	-	-	-	-	-	-	-	-	-
NIH Storage - Design	68316_7311	Jan-24	Jan-29	6,701,410	-	6,701,410	-	-	1,340,282	1,340,282	1,340,282	1,340,282	1,340,282	6,701,410	-



**FY24 Capital Improvement Program (CIP)  
Expenditure Forecast**

Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
Section 89 & 29 Redundancy Phase 1B Construction	68317_7471	Jan-16	May-18	12,374,590	12,374,590	-	-	126,780	-	-	-	-	-	-	-
Section 89 & 29 Redundancy Phase 1C Construction	68318_7478	Jan-17	Sep-18	18,280,098	18,280,098	-	-	2,235,356	-	-	-	-	-	-	-
Reading Reimbursement	68319_7590	Jun-17	Sep-17	(62,470)	(62,470)	-	-	-	-	-	-	-	-	-	-
Section 89 & 29 Replacement - RE/RI Services	68320_7633	Jun-21	Jun-25	1,697,990	157,949	1,540,041	545,215	703,164	537,990	456,836	-	-	-	994,826	-
<b>722 Northern Intermediate High (NIH) Redundancy &amp; Storage Total</b>				<b>151,513,720</b>	<b>79,372,711</b>	<b>72,141,009</b>	<b>12,769,607</b>	<b>43,247,162</b>	<b>13,108,355</b>	<b>8,975,907</b>	<b>17,986,387</b>	<b>17,760,470</b>	<b>1,540,283</b>	<b>59,371,402</b>	
<b>723 Northern Low Service Rehabilitation - Section 8</b>															
Easements	68094_6321	Jul-15	Jul-27	80,000	20,800	59,200	3,333	24,133	12,000	12,000	12,000	12,000	7,867	55,867	-
Section 8 & 57 - Construction	68095_6322	Jul-30	Jul-32	37,263,428	-	37,263,428	-	-	-	-	-	-	-	-	37,263,428
Rehabilitate Sections 37 & 46 Chelsea/East Boston - Construction	68262_6962	Jul-30	Jul-32	6,500,000	-	6,500,000	-	-	-	-	-	-	-	-	6,500,000
Permits	68263_6977	Jul-05	Jul-27	299,000	284,912	14,088	838	838	3,000	3,000	3,000	3,000	1,250	13,250	-
Technical Assistance	68264_6979	Jul-05	Jul-17	44,245	44,245	-	-	-	-	-	-	-	-	-	-
Section 97A - Construction	68275_7021	Oct-08	Oct-09	1,991,829	1,991,829	-	-	-	-	-	-	-	-	-	-
Section 8 & 57 - Design/CA	68287_7092	Jul-28	Jun-33	6,912,085	-	6,912,085	-	-	-	-	-	-	-	-	6,912,085
Rehabilitate Sections 37 & 46 Chelsea/East Boston - Design/CA/RI	75529_7405	Jul-28	Jun-33	1,395,379	-	1,395,379	-	-	-	-	-	-	-	-	1,395,379
Sections 50 & 57 Water Rehabilitation - Design/ESDC	75610_7540	Jul-17	May-22	3,215,164	3,249,788	(34,624)	(34,623)	2,581,536	-	-	-	-	-	-	-
Sections 50 & 57 Water Rehabilitation - Design/ESDC	75611_7541	Jul-28	Dec-29	8,000,000	-	8,000,000	-	-	-	-	-	-	-	-	8,000,000
Rehabilitate Sections 37 & 46 Chelsea/East Boston - REI	75613_7718	Jul-30	Jul-32	1,610,171	-	1,610,171	-	-	-	-	-	-	-	-	1,610,172
Section 8 & 57 - REI	75614_7719	Jul-29	Jul-31	1,670,265	-	1,670,265	-	-	-	-	-	-	-	-	1,670,265
<b>723 Northern Low Service Rehabilitation - Section 8 Total</b>				<b>68,981,566</b>	<b>5,591,574</b>	<b>63,389,992</b>	<b>(30,452)</b>	<b>2,606,507</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>15,000</b>	<b>9,117</b>	<b>69,117</b>	<b>63,351,329</b>
<b>725 Hydraulic Model Update Total</b>			<b>completed project</b>	<b>598,358</b>	<b>598,358</b>	<b>-</b>									
<b>727 Southern Extra High (SEH) Redundancy &amp; Storage</b>															
Conceptual Plan/Preliminary Design/Environmental Review	53397_6452	Feb-07	Feb-14	632,519	632,520	-	-	-	-	-	-	-	-	-	-
Redundancy Pipeline Phase 1 - Design/CA/RI	53398_6453	Feb-14	Aug-21	7,066,247	7,066,247	-	-	2,462,657	-	-	-	-	-	-	-
Redundancy Pipeline Section III Phase 1 - Construction	53399_6454	Jul-16	Sep-18	12,567,009	12,567,009	-	-	159,041	-	-	-	-	-	-	-
Redundancy/Storage Phase 2 - Final Design/CA/RI	68135_6444	Jul-29	Jun-35	6,972,905	-	6,972,905	-	-	-	-	-	-	-	-	6,972,905
University Avenue Water Main	68136_6445	Mar-08	Nov-08	6,137,445	6,137,445	-	-	-	-	-	-	-	-	-	-
Sections 77 & 88 Rehabilitation - Design/ESDC	68292_7112	Jul-28	Jul-34	2,280,253	-	2,280,253	-	-	-	-	-	-	-	-	2,280,253
Sections 77 & 88 Rehabilitation - Construction	68293_7113	Jul-30	Jul-32	10,176,350	-	10,176,350	-	-	-	-	-	-	-	-	10,176,350
Easements/Agreements	68305_7226	Jul-14	Jul-27	300,000	12,048	287,952	29,857	29,857	45,619	50,000	50,000	50,000	62,476	258,095	-
Permits/Utilities	68306_7227	Aug-08	Jul-27	300,000	16,117	283,883	33,333	43,649	50,000	11,187	22,696	25,000	141,667	250,550	-
Redundancy/Storage Phase 2 - Construction	68308_7245	Jul-35	Jun-37	53,773,623	-	53,773,623	-	-	-	-	-	-	-	-	53,773,623
Phase 3, 2nd Tank - Construction	68311_7262	Jan-33	Dec-35	18,938,006	-	18,938,006	-	-	-	-	-	-	-	-	18,938,006
Phase 3, 2nd Tank - Design	68312_7263	Jan-31	Dec-36	3,787,601	-	3,787,601	-	-	-	-	-	-	-	-	3,787,601
Redundancy Pipeline Section 111 - Construction 2	68555_7504	Oct-17	Feb-20	18,536,231	18,536,231	-	-	13,890,791	-	-	-	-	-	-	-
Redundancy Pipeline Section 111 - Construction 3	68556_7505	Aug-18	May-21	20,054,434	20,054,434	-	-	20,054,434	-	-	-	-	-	-	-
Sections 77 & 88 - REI	68557_7706	Jul-26	Dec-28	2,007,467	-	2,007,467	-	-	-	-	632,273	745,758	243,182	1,621,213	386,254
Redundancy/Storage Phase 2 - REI	68558_8010	Jul-35	Jun-37	3,518,655	-	3,518,655	-	-	-	-	-	-	-	-	3,518,655
Phase 3, 2nd Tank - REI	68559_8011	Jan-33	Dec-35	1,239,200	-	1,239,200	-	-	-	-	-	-	-	-	1,239,200
Redundancy/Storage Phase 2 - Study	68560_8029	Jul-27	Jun-28	1,000,000	-	1,000,000	-	-	-	-	-	-	1,000,000	1,000,000	-
<b>727 Southern Extra High (SEH) Redundancy &amp; Storage Total</b>				<b>169,287,945</b>	<b>65,022,051</b>	<b>104,265,895</b>	<b>63,190</b>	<b>36,640,429</b>	<b>95,619</b>	<b>61,187</b>	<b>704,969</b>	<b>820,758</b>	<b>1,447,325</b>	<b>3,129,858</b>	<b>101,072,847</b>
<b>730 Weston Aqueduct Supply Mains (WASM) Total</b>			<b>completed project</b>	<b>80,402,977</b>	<b>80,402,977</b>	<b>-</b>									
<b>731 Lynnfield Pipeline Total</b>				<b>5,625,829</b>	<b>5,625,828</b>	<b>-</b>									
<b>732 Walnut St. &amp; Fisher Hill Pipeline Rehabilitation Total</b>				<b>2,717,141</b>	<b>2,717,141</b>	<b>-</b>									
<b>735 Section 80 Rehabilitation</b>															

**FY24 Capital Improvement Program (CIP)  
Expenditure Forecast**

Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
Section 80 Rehabilitation - Construction	68249_6891	Jul-28	Jul-31	18,158,192	-	18,158,192	-	-	-	-	-	-	-	-	18,158,192
Section 80 Rehabilitation - Design/CA	68250_6892	Jul-26	Jul-32	3,612,965	-	3,612,965	-	-	-	-	-	554,382	783,634	1,338,016	2,274,949
Section 80 Replacement - Construction	68410_7532	Dec-16	Jun-18	1,908,279	1,908,279	-	-	-	-	-	-	-	-	-	-
Permits	68411_7533	Oct-16	Jun-24	26,605	16,605	10,000	937	937	3,313	1,250	2,375	2,125	-	9,063	-
Section 80 Rehabilitation - REI	68412_7675	Jul-28	Jul-32	968,518	-	968,518	-	-	-	-	-	-	-	-	968,518
<b>735 Section 80 Rehabilitation Total</b>				<b>24,674,559</b>	<b>1,924,884</b>	<b>22,749,675</b>	<b>937</b>	<b>937</b>	<b>3,313</b>	<b>1,250</b>	<b>2,375</b>	<b>556,507</b>	<b>783,634</b>	<b>1,347,079</b>	<b>21,401,659</b>
<b>Other Waterworks</b>				<b>186,351,460</b>	<b>230,372,903</b>	<b>(44,021,443)</b>	<b>16,060,908</b>	<b>74,548,683</b>	<b>24,497,029</b>	<b>27,289,100</b>	<b>24,733,538</b>	<b>18,308,534</b>	<b>410,090</b>	<b>95,238,291</b>	<b>(155,320,643)</b>
<b>753 Central Monitoring System</b>															
Study	75300_5025	Mar-84	Sep-86	189,590	189,590	-	-	-	-	-	-	-	-	-	-
Design	75301_5026	Oct-87	Jan-92	2,651,250	2,651,250	-	-	-	-	-	-	-	-	-	-
Equipment Prepurchase	75302_5027	Oct-87	Dec-93	2,161,920	2,161,920	-	-	-	-	-	-	-	-	-	-
SCADA Implementation	75303_5028	Aug-96	Mar-17	2,034,833	2,034,833	-	-	-	-	-	-	-	-	-	-
Communications Structures	75304_5160	Nov-92	May-93	161,290	161,290	-	-	-	-	-	-	-	-	-	-
Construction & Start-up Services	75305_5173	Jul-92	Aug-98	352,040	352,040	-	-	-	-	-	-	-	-	-	-
Construction 1	75306_5171	Nov-97	Nov-98	208,950	208,950	-	-	-	-	-	-	-	-	-	-
Operations Center - Construction	75308_5849	Sep-92	Jun-94	1,498,980	1,498,980	-	-	-	-	-	-	-	-	-	-
Technical Assistance	75309_5987	Jul-92	Dec-97	385,601	385,601	-	-	-	-	-	-	-	-	-	-
Waterworks SCADA/PLC Upgrades	75310_5218	Oct-16	Oct-31	188,547	188,547	-	-	-	-	-	-	-	-	-	-
Microwave Equipment	75474_6125	Mar-96	Dec-01	781,987	781,987	-	-	-	-	-	-	-	-	-	-
Microwave Communication System-Wide Backbone	75488_6653	Sep-01	Jun-02	1,694,018	1,694,018	-	-	-	-	-	-	-	-	-	-
Monitoring & Control - Study & Design	75489_6654	Dec-99	Sep-04	1,807,784	1,807,784	-	-	-	-	-	-	-	-	-	-
Microwave Communication for Waterworks Facilities	75494_6816	Sep-02	Jul-04	1,957,399	1,957,399	-	-	-	-	-	-	-	-	-	-
Ludlow Communications	75495_6825	Sep-01	Oct-01	40,504	40,504	-	-	-	-	-	-	-	-	-	-
Quabbin Power, Communication & Security - Construction	75512_7338	Feb-16	Apr-17	3,512,205	3,512,205	-	-	-	-	-	-	-	-	-	-
Quabbin Power, Communication & Security - Design	75540_7461	Sep-14	Sep-18	798,792	798,792	-	-	(15,113)	-	-	-	-	-	-	-
Utility Fees and Permits	75541_7475	Jul-14	Dec-17	229,956	229,956	1	-	(33,817)	-	-	-	-	-	-	-
CWTP SCADA Upgrades - Design Programming RE	75630_7581	Jan-19	Oct-25	6,010,390	2,552,356	3,458,034	1,000,000	3,552,356	1,217,985	1,000,000	240,049	-	-	2,458,034	-
CWTP SCADA Upgrades - Construction	75631_7582	Sep-21	Oct-24	13,160,148	2,978,502	10,181,646	5,270,744	8,249,246	2,995,000	1,435,000	480,902	-	-	4,910,902	-
Other Design and Programming Services	75632_7583	Jul-23	Oct-29	2,880,000	-	2,880,000	-	-	660,000	660,000	660,000	660,000	240,000	2,880,000	-
Other Equipment/Hardware	75634_7585	Dec-23	Oct-28	794,181	-	794,181	-	-	183,000	183,000	183,000	184,000	61,181	794,181	-
<b>753 Central Monitoring System Total</b>				<b>43,500,366</b>	<b>26,186,504</b>	<b>17,313,862</b>	<b>6,270,744</b>	<b>11,752,672</b>	<b>5,055,985</b>	<b>3,278,000</b>	<b>1,563,951</b>	<b>844,000</b>	<b>301,181</b>	<b>11,043,117</b>	
<b>763 Distribution Systems Facilities Mapping</b>															
Planning and Design	75458_5162	Feb-95	Dec-98	936,368	936,368	-	-	-	-	-	-	-	-	-	-
Data Purchase	75476_6152	Nov-95	Aug-96	100,000	100,000	-	-	-	-	-	-	-	-	-	-
Records Development	75484_6525	Oct-25	Oct-27	762,551	-	762,551	-	-	-	-	190,638	381,276	190,637	762,551	-
Update of Record Drawings	75600_7489	Jul-24	Jul-25	500,000	-	500,000	-	-	-	385,000	115,000	-	-	500,000	-
Water System Hydraulic Model	75650_7613	Jul-21	Jul-24	788,467	259,058	529,409	330,492	589,549	198,918	-	-	-	-	198,918	-
<b>763 Distribution Systems Facilities Mapping Total</b>				<b>3,087,386</b>	<b>1,295,426</b>	<b>1,791,960</b>	<b>330,492</b>	<b>589,549</b>	<b>198,918</b>	<b>385,000</b>	<b>305,638</b>	<b>381,276</b>	<b>190,637</b>	<b>1,461,469</b>	
<b>764 Local Water Infrastructure Rehabilitation Total</b>				<b>7,487,762</b>	<b>7,487,762</b>	<b>-</b>									
			<b>completed project</b>												
<b>765 Local Water System Assistance Program (LWSAP)</b>															
Community Loans	75485_6608	Aug-00	Jun-13	222,317,575	222,317,575	1	-	-	-	-	-	-	-	-	-
Community Repayment	75493_6759	Aug-01	Jun-23	(222,317,575)	(220,380,050)	(1,937,525)	(1,937,525)	(22,225,857)	-	-	-	-	-	-	-
Local Water System Assistance Loans	75513_7339	Aug-10	Jun-25	200,000,000	182,825,957	17,174,043	8,374,043	51,069,200	4,500,000	4,300,000	-	-	-	8,800,000	-
Local Water System Assistance Repayments	75514_7340	Aug-11	Jun-35	(200,000,000)	(105,287,728)	(94,712,272)	(16,200,000)	(79,071,019)	(15,200,000)	(13,500,000)	(11,800,000)	(10,200,000)	(8,200,000)	(58,900,000)	(19,612,272)
CVA Loans	75515_7350	Nov-10	Jun-20	10,000,000	6,721,400	3,278,600	1,978,600	3,127,000	1,000,000	300,000	-	-	-	1,300,000	-
CVA Repayments	75516_7351	Nov-11	Jun-30	(10,000,000)	(3,475,040)	(6,524,960)	(600,000)	(2,744,040)	(600,000)	(700,000)	(800,000)	(800,000)	(600,000)	(3,500,000)	(2,424,960)
Lead Service Line Replacement Loans	75517_7529	Aug-16	May-36	100,000,000	31,336,769	68,663,231	5,963,231	28,321,000	8,000,000	8,000,000	8,000,000	8,000,000	8,000,000	40,000,000	22,700,000

**FY24 Capital Improvement Program (CIP)  
Expenditure Forecast**

Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
Lead Service Line Replacement Repayments	75518_7530	Aug-17	May-46	(100,000,000)	(6,696,207)	(93,303,793)	(3,100,000)	(9,196,207)	(4,100,000)	(4,900,000)	(5,700,000)	(6,500,000)	(6,700,000)	(27,900,000)	(62,303,794)
LWSAP Phase 3 Distributions	75620_7567	Aug-17	May-26	278,000,000	86,301,803	191,698,197	18,698,197	97,787,735	30,000,000	30,000,000	30,000,000	30,000,000	20,000,000	140,000,000	33,000,000
LWSAP Phase 3 Repayments	75621_7568	Aug-18	May-36	(278,000,000)	(10,955,441)	(267,044,560)	(8,500,001)	(19,455,441)	(10,300,000)	(13,300,000)	(16,300,000)	(19,300,000)	(22,300,000)	(81,500,000)	(177,044,559)
LWSAP Phase 3 CVA Loans	75622_7588	Aug-17	May-26	14,000,000	500,000	13,500,000	1,000,000	1,000,000	1,000,000	1,000,000	2,000,000	2,000,000	2,000,000	8,000,000	4,500,000
LWSAP Phase 3 CVA Repayments	75623_7589	Aug-18	Aug-36	(14,000,000)	(200,000)	(13,800,000)	(100,000)	(300,000)	(200,000)	(300,000)	(400,000)	(600,000)	(800,000)	(2,300,000)	(11,400,000)
<b>765 Local Water System Assistance Program (LWSAP) Total</b>				-	<b>183,009,038</b>	<b>(183,009,038)</b>	<b>5,576,545</b>	<b>48,312,371</b>	<b>14,100,000</b>	<b>10,900,000</b>	<b>5,000,000</b>	<b>2,600,000</b>	<b>(8,600,000)</b>	<b>24,000,000</b>	<b>(212,585,585)</b>
<b>766 Waterworks Facility Asset Protection</b>															
Steel Tank Improvements - Design/CA	75497_6832	Jan-21	Oct-25	2,779,122	844,847	1,934,275	879,850	1,724,698	887,166	167,259	-	-	-	1,054,425	
Gillis Pump Station/Cottage Farm Flat Roof Replacements	75500_6888	Jul-19	Jul-20	561,692	561,692	-	-	561,692	-	-	-	-	-	-	-
Waltham Bridge Pipe Replacement	75501_6910	Mar-04	Sep-04	237,550	237,550	-	-	-	-	-	-	-	-	-	-
Permits and Legal Fees	75502_6920	Mar-04	Jun-23	16,340	11,186	5,154	5,154	5,154	-	-	-	-	-	-	-
Technical Assistance	75503_6921			9,050	9,050	-	-	9,050	-	-	-	-	-	-	-
Cosgrove Intake Roof Replacement	75505_7022	Nov-18	Sep-19	1,010,543	1,010,543	-	-	1,010,543	-	-	-	-	-	-	-
Generator Docking Station - REI	75507_7024	Jul-19	May-20	163,777	163,777	-	-	163,777	-	-	-	-	-	-	-
Generator Docking Station	75508_7025	Apr-19	Apr-20	1,037,013	1,037,013	-	-	1,037,013	-	-	-	-	-	-	-
Cosgrove Valve Replacement - Construction	75509_7064	Jul-29	Jul-30	2,541,180	-	2,541,180	-	-	-	-	-	-	-	-	2,541,180
Cosgrove Valve Replacement - Design	75510_7065	Jul-28	Dec-30	292,236	-	292,236	-	-	-	-	-	-	-	-	292,236
Transformer at Cosgrove Intake Building	75511_7228	Jun-11	Jul-12	299,313	299,313	-	-	-	-	-	-	-	-	-	-
Fells/Loring Rd. Tank - Design/CA/RI	75524_7385	Jul-24	Jul-29	1,000,000	-	1,000,000	-	-	-	153,333	245,000	245,000	240,000	883,333	116,667
Electrical Distribution Upgrades at Southborough	75535_7425	Jun-22	Aug-23	2,700,499	-	2,700,499	2,330,123	2,330,123	370,377	-	-	-	-	370,377	-
Beacon Street Line Repair - Construction	75537_7458	Jun-16	Apr-17	1,441,390	1,441,390	-	-	-	-	-	-	-	-	-	-
Beacon Street Line Repair - Design/CA/RI	75538_7474	Nov-14	Dec-17	393,771	393,771	-	-	-	-	-	-	-	-	-	-
Meter Vault Manhole Retrofits - Construction	75550_7479	Jul-30	Jul-32	2,125,473	-	2,125,473	-	-	-	-	-	-	-	-	2,125,473
Covered Storage Tank Rehabilitation - Construction	75553_7482	Jul-26	Jul-28	4,000,000	-	4,000,000	-	-	-	-	-	1,440,000	1,920,000	3,360,000	640,000
Water Meter Upgrade Replacement and Meter Vault Manhole Retrofit Phase 1 - Design	75554_7542	Jul-28	Jul-33	1,000,000	-	1,000,000	-	-	-	-	-	-	-	-	1,000,000
Painting Deer Island Water Tank	75555_7601	Mar-19	Nov-19	2,439,661	2,439,661	-	-	2,439,661	-	-	-	-	-	-	-
New Roofs at Water Pump Stations - Construction	75556_7626	Dec-21	Jan-23	668,000	-	668,000	668,000	668,000	-	-	-	-	-	-	-
Paint Bellevue 2 & Turkey Hill Tanks	75559_7634	Aug-18	Sep-19	3,944,380	3,944,380	-	-	3,944,380	-	-	-	-	-	-	-
Steel Tanks Improvements - REI	75560_7676	Sep-23	Mar-26	1,125,000	-	1,125,000	-	-	254,000	435,000	436,000	-	-	1,125,000	-
Masonry/Structural Repairs at Bellevue 1/Arlington Heights	75575_7694	Nov-25	Apr-28	9,988,330	-	9,988,330	-	-	-	-	1,722,000	4,133,000	4,133,330	9,988,330	-
Water Meter Upgrade Replacement and Meter Vault Manhole Retrofit Phase 1 - REI	75652_7707	Jul-30	Jul-32	1,500,000	-	1,500,000	-	-	-	-	-	-	-	-	1,500,000
Water Meter Upgrade Replacement and Meter Vault Manhole Retrofit Phase 2 - Design	75653_7708	Jul-29	Jul-34	1,000,000	-	1,000,000	-	-	-	-	-	-	-	-	1,000,000
Water Meter Upgrade Replacement and Meter Vault Manhole Retrofit Phase 2 - Construction	75654_7709	Jul-31	Jun-33	3,000,000	-	3,000,000	-	-	-	-	-	-	-	-	3,000,000
Water Meter Upgrade Replacement and Meter Vault Manhole Retrofit Phase 2 - REI	75655_7710	Jul-31	Jun-33	1,500,000	-	1,500,000	-	-	-	-	-	-	-	-	1,500,000
Water Tank Masonry/Structural Condition Assessment/Evaluation	75656_7711	Jan-24	Apr-25	1,091,524	-	1,091,524	-	-	170,000	400,000	521,524	-	-	1,091,524	-
Masonry/Structural Repairs - REI	75657_7712	Nov-25	Apr-28	1,875,000	-	1,875,000	-	-	-	-	323,000	776,000	776,000	1,875,000	-
Steel Tank Improvements Phase 2 - Construction	75658_7727	Mar-24	Mar-26	7,100,000	-	7,100,000	-	-	295,833	3,550,000	3,254,167	-	-	7,100,000	-
Steel Tank Improvements Phase 2 - REI	75659_7728	Mar-24	Jun-26	750,000	-	750,000	-	-	30,000	360,000	360,000	-	-	750,000	-
Beacon St. Line - Design/ESDC	75660_7729	Feb-24	Feb-29	4,922,576	-	4,922,576	-	-	240,000	1,544,258	1,544,258	1,544,258	49,802	4,922,576	-
Beacon St. Line - Construction	75661_7730	Feb-26	Feb-28	9,600,000	-	9,600,000	-	-	-	-	3,600,000	4,800,000	1,200,000	9,600,000	-
Beacon St. Line - REI	75662_7731	Feb-26	Feb-28	1,590,140	-	1,590,140	-	-	-	-	596,000	795,000	199,140	1,590,140	-
Cosgrove Tunnel Rehabilitation - Design/ESDC	75663_7738	Jul-28	Jul-33	10,000,000	-	10,000,000	-	-	-	-	-	-	-	-	10,000,000
Water Tanks Paint Phase 1 at Bellevue 2, Deer Island & Turkey Hill - Design/ESDC	75664_7739	Jul-34	Jul-39	903,580	-	903,580	-	-	-	-	-	-	-	-	903,580
Water Tanks Paint Phase 1 at Bellevue 2, Deer Island & Turkey Hill - Construction	75665_7740	Jul-36	Jul-38	4,904,302	-	4,904,302	-	-	-	-	-	-	-	-	4,904,302
Water Tanks Paint Phase 1 at Bellevue 2, Deer Island & Turkey Hill - REI	75666_7741	Jul-36	Jul-38	1,857,690	-	1,857,690	-	-	-	-	-	-	-	-	1,857,690
Water Tanks Paint Phase 2 at Bellevue 1, Park Circle & Walnut Hill - Design/ESDC	75667_7742	Jul-37	Jul-42	3,963,072	-	3,963,072	-	-	-	-	-	-	-	-	3,963,072

**FY24 Capital Improvement Program (CIP)  
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Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
Water Tanks Paint Phase 2 at Bellevue 1, Park Circle & Walnut Hill - Construction	75668_7743	Jul-39	Jul-41	16,843,056	-	16,843,056	-	-	-	-	-	-	-	-	16,843,056
Water Tanks Paint Phase 2 at Bellevue 1, Park Circle & Walnut Hill - REI	75669_7744	Jul-39	Jul-41	1,857,690	-	1,857,690	-	-	-	-	-	-	-	-	1,857,690
Water Tanks Paint Phase 1 at Bellevue 2, Deer Island & Turkey Hill - Construction	75670_7748	Jul-36	Jul-38	3,219,996	-	3,219,996	-	-	-	-	-	-	-	-	3,219,996
New Roofs at Gillis, Brattle Court, Newton Street Pumping Stations - REI	75676_7900	Jul-24	Jul-25	300,000	-	300,000	-	-	-	208,000	92,000	-	-	300,000	-
New Roofs at Gillis, Brattle Court, Newton Street Pumping Stations - Construction	75677_7901	Jul-24	Jul-25	1,500,000	-	1,500,000	-	-	-	1,038,000	462,000	-	-	1,500,000	-
Brutsch Treatment Plant Sodium Hypochlorite Upgrade	75686_8021	Nov-23	Nov-24	705,000	-	705,000	-	-	293,750	411,250	-	-	-	705,000	-
Cosgrove Tunnel Rehabilitation - Inspection	75687_8030	Apr-26	Oct-26	1,000,000	-	1,000,000	-	-	-	-	250,000	750,000	-	1,000,000	-
Steel Tank Improvements - Construction	77552_7493	Sep-23	Mar-26	11,518,000	-	11,518,000	-	-	2,601,000	4,459,000	4,458,000	-	-	11,518,000	-
<b>766 Waterworks Facility Asset Protection Total</b>				<b>132,275,946</b>	<b>12,394,173</b>	<b>119,881,773</b>	<b>3,883,127</b>	<b>13,894,091</b>	<b>5,142,126</b>	<b>12,726,100</b>	<b>17,863,949</b>	<b>14,483,258</b>	<b>8,518,272</b>	<b>58,733,705</b>	<b>57,264,942</b>
<b>Business &amp; Operations Support</b>				<b>212,870,291</b>	<b>116,643,897</b>	<b>96,226,395</b>	<b>28,510,488</b>	<b>44,124,447</b>	<b>23,246,891</b>	<b>21,199,641</b>	<b>10,596,402</b>	<b>6,177,910</b>	<b>4,932,558</b>	<b>66,153,402</b>	<b>1,562,499</b>
<b>881 Equipment Purchase</b>															
Contaminant Monitoring Equipment	88108_7631	Sep-21	Jun-25	1,568,260	144,259	1,424,001	352,000	496,259	682,000	130,000	130,000	130,000	-	1,072,000	
Security Equipment & Installation	92374_6760	Jan-01	Jun-24	13,330,221	10,167,581	3,162,640	108,818	1,169,515	1,546,525	1,010,525	250,000	246,771	-	3,053,821	
Inductively Coupled Plasma – Mass Spectrometer (ICP-MS) Lab Testing Equipment	92379_6808	Oct-08	Dec-08	117,432	117,432	-	-	-	-	-	-	-	-	-	
High Lift Fork Loader (Lull)	92411_7239	Oct-10	Dec-10	121,449	121,449	-	-	-	-	-	-	-	-	-	
Ford Ramp Truck	92416_7246	Apr-10	Jun-10	121,572	121,572	-	-	-	-	-	-	-	-	-	
Street Sweeper	92417_7247	Jul-09	Sep-09	181,673	-	181,673	-	-	-	-	-	-	-	-	
Prior Vehicle Purchases	98454_7306	Jul-00	Jun-10	2,415,190	2,415,190	-	-	-	-	-	-	-	-	-	
FY11-13 Vehicle Purchases	98455_7307	Jul-09	Jun-13	2,361,415	2,361,415	-	-	-	-	-	-	-	-	-	
FY14-18 Vehicle Purchases	98456_7308	Jul-13	Jun-18	6,670,782	6,670,780	2	-	-	-	-	-	-	-	-	
FY19-23 Vehicle Purchases	98457_7309	Jul-18	Jun-23	3,044,662	-	260,000	260,000	3,044,662	-	-	-	-	-	-	
FY14-18 Major Lab Instrumentation	98458_7310	Jun-16	Jun-18	639,294	639,294	-	-	-	-	-	-	-	-	-	
Front-End Loader	98467_7325	Oct-10	Dec-10	121,221	121,221	-	-	-	-	-	-	-	-	-	
Major Lab Instrumentation	98495_7632	Jul-18	Jun-24	1,000,000	307,729	692,271	100,000	407,729	187,500	154,633	162,638	87,500	-	592,271	
FY24-28 Vehicle Purchases	98497_7695	Jul-23	Jun-28	10,930,000	-	10,930,000	-	-	2,340,000	2,565,000	2,250,000	1,975,000	1,800,000	10,930,000	
<b>881 Equipment Purchase Total</b>				<b>42,623,171</b>	<b>26,154,257</b>	<b>16,468,914</b>	<b>820,818</b>	<b>5,118,165</b>	<b>4,756,025</b>	<b>3,860,158</b>	<b>2,792,638</b>	<b>2,439,271</b>	<b>1,800,000</b>	<b>15,648,092</b>	
<b>925 Technical Assistance</b>															
Land Appraisal	77000 LAND			200,000	-	200,000	55,000	55,000	68,000	77,000	-	-	-	145,000	
Hazardous Material	90000_HAZM			1,100,000	-	1,100,000	304,833	304,833	367,000	428,167	-	-	-	795,167	
<b>925 Technical Assistance Total</b>				<b>1,300,000</b>	<b>-</b>	<b>1,300,000</b>	<b>359,833</b>	<b>359,833</b>	<b>435,000</b>	<b>505,167</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>940,167</b>	
<b>930 MWRA Facility - Chelsea Total</b>			<b>completed project</b>	<b>9,812,071</b>	<b>9,812,071</b>	<b>-</b>									
<b>931 Business Systems Plan Total</b>			<b>completed project</b>	<b>24,562,104</b>	<b>24,562,104</b>	<b>-</b>	<b>-</b>	<b>(500)</b>							
<b>932 Environmental Remediation Total</b>			<b>completed project</b>	<b>1,478,602</b>	<b>1,478,602</b>	<b>-</b>									
<b>933 Capital Maintenance Planning &amp; Development</b>															
Inventory & Evaluation - 1 & 2	19175_6421	Apr-00	Jul-05	2,579,434	2,579,434	-	-	-	-	-	-	-	-	-	
As-Needed Design Contract 1	92387_6976	Mar-05	Sep-07	313,302	313,302	-	-	-	-	-	-	-	-	-	
As-Needed Design Contract 2	92393_6988	Mar-05	Sep-07	317,539	317,539	-	-	-	-	-	-	-	-	-	
As-Needed Design Contract 5	92399_7070	Sep-08	Mar-11	558,111	558,111	-	-	-	-	-	-	-	-	-	
As-Needed Design Contract 3	92402_7101	Aug-07	Feb-10	578,622	578,623	-	-	-	-	-	-	-	-	-	
As-Needed Design Contract 4	92403_7102	Aug-07	Aug-09	247,384	247,384	-	-	-	-	-	-	-	-	-	
As-Needed Design Contract 6	92413_7242	Aug-08	Aug-10	704,220	704,220	-	-	-	-	-	-	-	-	-	
As-Needed Design Contract 7	92414_7243	Jan-10	Jul-12	979,576	979,576	-	-	-	-	-	-	-	-	-	
As-Needed Design Contract 8	92415_7244	Feb-10	Jun-13	1,043,586	1,043,586	-	-	-	-	-	-	-	-	-	

**FY24 Capital Improvement Program (CIP)  
Expenditure Forecast**

Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
As-Needed CS/REI Contract 1	94491_7629	Sep-18	May-22	380,407	378,945	1,462	1,462	380,407	-	-	-	-	-	-	-
As-Needed Design Contract 20	94495_7990	Nov-22	Nov-24	2,500,000	-	2,500,000	516,667	516,667	1,066,667	916,666	-	-	-	1,983,333	-
As-Needed Design Contract 21	94496_7991	Dec-22	Dec-24	2,500,000	-	2,500,000	516,667	516,667	1,066,667	916,666	-	-	-	1,983,333	-
As-Needed Des Contract 22	94497_8062	Nov-24	Nov-26	2,500,000	-	2,500,000	-	-	-	520,834	1,250,000	729,166	-	2,500,000	-
As-Needed Des Contract 23	94498_8063	Dec-24	Dec-26	2,500,000	-	2,500,000	-	-	-	416,667	1,250,000	833,333	-	2,500,000	-
As-Needed Des Contract 24	94499_8064	Nov-26	Nov-28	2,500,000	-	2,500,000	-	-	-	-	-	520,834	1,250,000	1,770,834	729,166
As-Needed Des Contract 25	94500_8065	Dec-26	Dec-28	2,500,000	-	2,500,000	-	-	-	-	-	416,667	1,250,000	1,666,667	833,333
As-Needed Design Contract 9	98470_7390	Jul-11	Jan-14	1,609,621	1,609,621	-	-	-	-	-	-	-	-	-	-
As-Needed Design Contract 10	98471_7391	Aug-11	Feb-14	1,867,677	1,867,677	-	-	-	-	-	-	-	-	-	-
As-Needed Design Contract 11	98473_7436	Feb-14	Aug-15	431,584	431,584	-	-	-	-	-	-	-	-	-	-
As-Needed Design Contract 12	98474_7437	Jan-14	Jul-16	721,695	721,695	-	-	-	-	-	-	-	-	-	-
As-Needed Design Contract 13	98485_7456	Feb-14	Aug-16	683,439	683,439	-	-	-	-	-	-	-	-	-	-
As-Needed Design Contract 14	98487_7496	Jun-16	Dec-18	920,521	920,521	-	-	241,576	-	-	-	-	-	-	-
As-Needed Design Contract 15	98488_7497	Jun-16	Dec-18	1,206,625	1,206,625	-	-	320,699	-	-	-	-	-	-	-
As-Needed Design Contract 16	98489_7498	Jun-18	Dec-20	1,741,683	1,741,683	-	-	1,741,683	-	-	-	-	-	-	-
As-Needed Design Contract 17	98490_7604	Jun-18	Dec-21	2,107,025	1,796,339	310,685	310,685	2,107,024	-	-	-	-	-	-	-
As-Needed Design Contract 18	98493_7691	Dec-20	Dec-23	2,625,000	739,781	1,885,219	626,903	1,366,684	1,258,316	-	-	-	-	1,258,316	-
As-Needed Design Contract 19	98494_7692	Nov-20	Nov-23	2,543,059	700,800	1,842,259	1,026,203	1,727,003	816,056	-	-	-	-	816,056	-
<b>933 Capital Maintenance Planning &amp; Development Total</b>				<b>39,160,110</b>	<b>20,120,485</b>	<b>19,039,625</b>	<b>2,998,587</b>	<b>8,918,410</b>	<b>4,207,706</b>	<b>2,770,833</b>	<b>2,500,000</b>	<b>2,500,000</b>	<b>2,500,000</b>	<b>14,478,539</b>	<b>1,562,499</b>
<b>934 MWRA Facilities Management &amp; Planning</b>															
Deer Island Administration Building Demolition - REI	92389_6983	Aug-25	Aug-27	700,000	(2)	700,002	-	-	-	-	232,556	234,889	232,558	700,003	-
Deer Island Administration Building Demolition - Construction	92390_6984	Aug-25	Aug-27	2,370,535	370,535	2,000,000	-	-	-	-	640,000	960,000	400,000	2,000,000	-
Office Space Modifications	92520_7980	Jul-22	Apr-23	19,629,212	8,830	19,620,382	19,620,382	19,629,212	-	-	-	-	-	-	-
<b>934 MWRA Facilities Management &amp; Planning Total</b>				<b>22,699,747</b>	<b>379,363</b>	<b>22,320,384</b>	<b>19,620,382</b>	<b>19,629,212</b>	<b>-</b>	<b>-</b>	<b>872,556</b>	<b>1,194,889</b>	<b>632,558</b>	<b>2,700,003</b>	<b>-</b>
<b>935 Alternative Energy Initiatives</b>															
Deer Island Solar	19285_6974	Sep-07	May-08	903,714	903,714	-	-	-	-	-	-	-	-	-	-
Deer Island Wind	92428_6974C	Nov-08	Apr-10	4,063,294	4,063,294	-	-	-	-	-	-	-	-	-	-
Future Renewable Energy Projects	92430_7270	Oct-24	Dec-25	10,000,000	-	10,000,000	-	-	-	8,000,000	2,000,000	-	-	10,000,000	-
Loring Road Hydropower Turbine Generator - Design	92432_6974E	Mar-08	Sep-09	2,344	2,344	-	-	-	-	-	-	-	-	-	-
Technical Assistance - Solar	92439_7274	May-09	Nov-12	123,540	123,540	-	-	-	-	-	-	-	-	-	-
Energy Advisory Consultant Services	92440_6974B	Jun-08	Jun-10	45,632	45,632	-	-	-	-	-	-	-	-	-	-
Wind Power Feasibility Study	92441_0P67	Mar-07	Jun-10	346,426	346,426	-	-	-	-	-	-	-	-	-	-
Deer Island Photovoltaic System Phase 1 - Construction	92442_7292	Sep-09	Mar-10	1,119,000	1,119,000	-	-	-	-	-	-	-	-	-	-
Technical Assistance - Energy Efficiency	92443_7274A	May-09	Nov-13	463,085	463,085	-	-	-	-	-	-	-	-	-	-
Technical Assistance - Solar II	92444_7274B	May-09	Nov-12	347,937	347,937	-	-	-	-	-	-	-	-	-	-
Technical Assistance - Emerging Technology	92445_7274C	May-09	Dec-13	101,264	101,263	-	-	-	-	-	-	-	-	-	-
Technical Assistance - Wind	92446_7274D	May-09	May-13	460,242	460,242	-	-	-	-	-	-	-	-	-	-
Charlestown Wind - Construction	98450_7302	Feb-10	Oct-11	4,890,654	4,890,650	4	-	(233,852)	-	-	-	-	-	-	-
CWTP Solar - Construction	98452_7304	Jan-10	Aug-11	2,367,287	2,367,287	-	-	-	-	-	-	-	-	-	-
Loring Road Hydropower Turbine Generator - Construction	98459_6974F	Jan-10	May-11	1,882,218	1,882,218	-	-	-	-	-	-	-	-	-	-
Deer Island Wind Phase II Construction	98463_7321			37,080	37,080	-	-	-	-	-	-	-	-	-	-
Fish Hatchery Pipeline Hydropower	98465_7323	Mar-16	Sep-17	1,030,000	1,030,000	-	-	-	-	-	-	-	-	-	-
<b>935 Alternative Energy Initiatives Total</b>				<b>28,183,717</b>	<b>18,183,712</b>	<b>10,000,004</b>	<b>-</b>	<b>(233,852)</b>	<b>-</b>	<b>8,000,000</b>	<b>2,000,000</b>	<b>-</b>	<b>-</b>	<b>10,000,000</b>	<b>-</b>
<b>940 Application Improvement Program</b>															
GIS Applications & Integration	92420_7251	Jan-14	Jun-22	47,772	36,407	11,365	11,365	25,500	-	-	-	-	-	-	-
Lawson Upgrade	92435_7286	Dec-23	Dec-26	7,600,000	-	7,600,000	1,754,000	1,754,000	3,507,692	1,338,308	1,000,000	-	-	5,846,000	-
Maximo Upgrade	92436_7287	Jul-15	Jun-19	2,504,019	2,504,019	(1)	-	69,551	-	-	-	-	-	-	-
Pre-Treatment Information Management System (PIMS) Replace or Build	92437_7288	Jul-25	Sep-27	3,400,000	-	3,400,000	-	-	1,133,334	1,133,333	1,133,333	-	-	3,400,000	-

**FY24 Capital Improvement Program (CIP)  
Expenditure Forecast**

Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY22	Remaining Balance	FY23	FY19-FY23	FY24	FY25	FY26	FY27	FY28	FY24-FY28	Beyond FY28
SAP Business Objects (BO) Upgrade/Migration	92469_7386	Jun-16	Dec-23	729,895	165,619	564,276	399,683	484,402	164,593	-	-	-	-	164,593	
Enterprise Content Management	98475_7438	Apr-21	Dec-23	2,629,508	1,433,495	1,196,013	425,333	1,858,828	770,680	-	-	-	-	770,680	
Water Quality Reporting System (WQRS) Aquarius	98478_7441	Jan-19	Jun-22	162,712	162,712	-	-	162,712	-	-	-	-	-	-	
Laboratory Information Management System (LIMS) Upgrade	98484_7447	Mar-15	Dec-24	654,490	354,490	300,000	-	-	150,000	150,000	-	-	-	300,000	
MAXIMO Interface Enhancements	98500_7649	Jun-21	Dec-23	1,184,000	196,000	988,000	327,106	523,106	660,894	-	-	-	-	660,894	
MAXIMO Upgrade	98501_7650	Mar-24	Dec-24	1,637,285	-	1,637,285	-	-	163,729	1,473,556	-	-	-	1,637,285	
Hyperion Pillar	98503_7652	Jul-24	Apr-27	350,000	-	350,000	-	-	-	131,250	175,000	43,750	-	350,000	
Harbor outfall monitoring loading (HOML) Application	98504_7653	Apr-21	May-22	216,940	-	216,940	216,940	216,940	-	-	-	-	-	-	
Archiving & Data Management	98506_7656	Sep-22	Sep-23	-	-	-	-	-	-	-	-	-	-	-	
PI (OSI)	98606_7666	Jan-24	Dec-24	258,000	-	258,000	-	-	129,000	129,000	-	-	-	258,000	
<b>940 Application Improvement Program Total</b>				<b>21,374,621</b>	<b>4,852,742</b>	<b>16,521,878</b>	<b>3,134,427</b>	<b>5,095,039</b>	<b>6,679,922</b>	<b>4,355,447</b>	<b>2,308,333</b>	<b>43,750</b>	-	<b>13,387,452</b>	
<b>942 Information Security Program (ISP)</b>															
Information Technology (IT) Security Infrastructure - Equipment	92434_7285	Sep-11	Jun-14	501,414	501,414	-	-	-	-	-	-	-	-	-	
Managed Security Service Provider (MSSP)	92500_7499	Jun-16	Dec-22	1,650,542	1,424,832	225,711	225,710	789,031	-	-	-	-	-	-	
ITSM Access Management	92501_7657	Jan-24	Dec-24	325,000	93,031	231,969	(396)	92,635	-	232,365	-	-	-	232,365	
MSSP/SIEM	92502_7658	Jun-22	Dec-27	431,839	401,173	30,667	30,667	431,840	-	-	-	-	-	-	
Active Directory	92503_7659	Jan-20	Jun-22	95,202	95,202	-	-	95,202	-	-	-	-	-	-	
XenMobile/XenApp WorkSpace	98476_7439	Apr-14	Mar-20	26,568	26,569	(1)	-	-	-	-	-	-	-	-	
Information Security Assessments	98477_7440	Oct-23	Jun-24	360,000	-	360,000	-	-	360,000	-	-	-	-	360,000	
IT Security Program (ISP) Development	98483_7446	May-13	Jun-14	318,411	318,411	-	-	-	-	-	-	-	-	-	
<b>942 Information Security Program (ISP) Total</b>				<b>3,708,976</b>	<b>2,860,632</b>	<b>848,346</b>	<b>255,981</b>	<b>1,408,708</b>	<b>360,000</b>	<b>232,365</b>	-	-	-	<b>592,365</b>	
<b>944 Information Technology Management Program Total</b>		<b>completed project</b>		<b>1,566</b>	<b>1,566</b>	-	-	<b>1,566</b>							
<b>946 IT Infrastructure Program</b>															
IT System Architecture	92404_7200	Sep-12	Oct-15	1,009,341	1,009,341	-	-	-	-	-	-	-	-	-	
Cabling	92405_7201	Mar-11	Jun-24	5,066,302	1,065,716	4,000,586	134,795	134,795	3,865,791	-	-	-	-	3,865,791	
SAN Storage	92406_7203	Jul-13	Mar-23	1,826,562	1,364,036	462,526	462,526	786,059	-	-	-	-	-	-	
Oracle Database Appliance	92407_7204	Jul-13	Mar-25	1,356,000	580,658	775,342	-	-	387,671	387,671	-	-	-	775,342	
Server Upgrades	92408_7205	Oct-13	Mar-23	955,298	885,025	70,273	70,273	650,306	-	-	-	-	-	-	
Near Field Communications	98480_7443	Jul-23	Dec-23	790,379	647,492	142,888	-	9,113	142,887	-	-	-	-	142,887	
Exchange Upgrades	98481_7444	Jun-16	Jun-20	117,848	117,848	-	-	109,842	-	-	-	-	-	-	
Enterprise Data Management	98482_7445	Jan-14	Jul-24	2,121,361	1,083,362	1,037,999	-	-	519,000	519,000	-	-	-	1,038,000	
NetScalers	98505_7654	Mar-23	Aug-23	119,370	216,940	(97,570)	(116,940)	100,000	19,370	-	-	-	-	19,370	
Telephone System Upgrade	98600_7660	Apr-21	Jun-22	910,145	857,160	52,985	52,985	910,145	-	-	-	-	-	-	
Core Switches	98601_7661	Mar-23	Nov-23	500,000	-	500,000	-	-	500,000	-	-	-	-	500,000	
Edge Switches	98602_7662	Mar-22	Jun-24	1,400,000	410,785	989,215	444,821	855,606	544,394	-	-	-	-	544,394	
Disaster Recovery	98603_7663	Jul-23	Jun-25	983,000	-	983,000	-	-	368,625	491,500	122,875	-	-	983,000	
Instrumentation & Controls IT	98604_7664	Jul-23	Jun-24	310,000	-	310,000	-	-	232,500	77,500	-	-	-	310,000	
Future Workplace	98608_7802	Dec-22	Jun-23	500,000	-	500,000	272,000	272,000	228,000	-	-	-	-	228,000	
<b>946 IT Infrastructure Program Total</b>				<b>17,965,606</b>	<b>8,238,363</b>	<b>9,727,244</b>	<b>1,320,460</b>	<b>3,827,866</b>	<b>6,808,238</b>	<b>1,475,671</b>	<b>122,875</b>	-	-	<b>8,406,784</b>	