

APPENDIX 2

Expenditure Forecast Report with Planned NTP and SC dates

Understanding the Expenditure Forecast

Capital expenditure forecasts, sometimes referred to as project cashflows, are presented in this section of the FY18 Proposed CIP document. Expenditure forecasts are accrual based, i.e., projected expenditures are estimated based on when services are expected to be rendered. Projects appear in this report in the same order they appear on-line, organized by capital program area. Grant and loan receipts for various projects and programs appear in the section following the expenditure forecasts.

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

Project and Subphase Names	The first column of the expenditure forecast identifies the organizational hierarchy of the CIP: capital program area (e.g., Wastewater System Improvements), program category (e.g., Interception and Pumping), project (e.g., Quincy Pump Facilities), and sub-phases (e.g., Facilities Plan/EIR). Sub-phases represent awarded and unawarded contracts.
Contract Number	<p>To the left of 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>
Notice to Proceed (NTP) and Substantial Completion (SC)	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.
Contract Value	The Contract Value represents the budget amount for the capital program, program category, project, or sub-phase. 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.
Payments through FY16	Payments through FY16 include actual and accrued expenditures since the inception of the contract through the end of FY16.
Remaining Balance	Remaining Balance is calculated by subtracting Payments through FY16 from the Contract Amount. This amount is then spread in the columns to the right, for FY14-18, FY19-23, and Beyond FY23.

APPENDIX 2
FY18 PROPOSED FIVE-YEAR CIP BY MAJOR PROGRAM CATEGORY
FY18 by Quarters

CAPITAL IMPROVEMENT PROGRAM													
EXPENDITURE FORECAST FY2014-2018													
(\$000)													
	Total Contract Amount	Project Payments Thr. FY16	Balance as of 6/30/16	FY14	FY15	FY16	FY17	QI FY18	QII FY18	QIII FY18	QIV FY18	FY18	5-Year Total FY14-18
Wastewater System Improvements	3,241,686	1,931,262	1,310,423	55,690	75,387	64,185	71,780	22,638	18,469	21,545	21,634	84,286	351,327
Waterworks System Improvements	4,010,951	1,965,078	2,045,872	40,966	22,705	26,725	63,299	31,238	12,598	10,365	28,529	82,731	236,425
Business & Operations Support	131,036	92,708	38,328	5,507	5,524	4,235	6,081	1,715	2,070	1,793	2,327	7,906	29,252
Total MWRA	7,383,672	3,989,048	3,394,624	102,163	103,616	95,144	141,160	55,591	33,137	33,704	52,490	174,922	617,005
Contingency	183,582		183,582					2,735	2,093	2,064	2,913	9,804	9,804
Total MWRA w/ Contingency	7,567,254	3,989,048	3,578,206	102,163	103,616	95,144	141,160	58,327	35,229	35,768	55,403	184,726	626,809

**Massachusetts Water Resources Authority
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Program / Project / Contract	Contract No.	Notice to Proceed	Substantial Completion	Total Contract Amount	Payments through FY16	Remaining Balance	FY17	FY18	FY14 - FY18 Expenditures	FY19-FY23 Expenditures	Beyond FY23
Total MWRA				7,383,672,380	3,989,048,193	3,394,624,188	141,159,777	174,921,982	617,005,017	1,346,791,133	1,731,751,281
Wastewater				3,241,685,585	1,931,262,185	1,310,423,400	71,780,374	84,285,544	351,327,437	745,939,815	408,417,673
Interception & Pumping				1,003,456,570	542,626,109	460,830,460	19,335,919	46,798,942	88,220,906	281,760,288	112,935,312
102 Quincy Pump Facilities		completed project		25,907,202	25,907,202	-					
104 Braintree-Weymouth Relief Facilities				234,492,623	227,704,621	6,788,002		200,000	200,689	6,588,000	
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	-					
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	-			(573)		
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	849,220	849,220	-					
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	-					
IPS/RPS Communication System	10378_6792	Dec-02	Apr-08	224,884	224,884	-					
Wetlands Replication	10470_7290			25,607	25,607	-			1,262		
Mill Cove Siphon Sluice Gates - Design	10479_7326	Oct-17	Jun-21	788,000	-	788,000		148,000	148,000	640,000	
Mill Cove Sluice Gates - Construction	10480_7327	Jul-19	Jul-20	2,000,000	-	2,000,000				2,000,000	
B/W Improvements - Construction	10493_7366	Jan-20	Jan-22	3,200,000	-	3,200,000				3,200,000	
B/W Improvements - Design/CS/RI	19567_9586	Jan-18	Jan-23	800,000	-	800,000		52,000	52,000	748,000	
105 New Neponset Valley Relief Sewer		completed project		30,300,304	30,300,304	-					
106 Wellesley Extension Replacement Sewer		completed project		64,358,543	64,358,543	-					

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107 Framingham Extension Relief Sewer		completed project		47,855,986	47,855,986	-					
127 Cummingsville Replacement Sewer		completed project		8,998,768	8,998,768	-					
130 Siphon Structure Rehabilitation				6,880,793	939,770	5,941,023				5,941,023	
Planning	10253_6017	Jan-96	Nov-98	937,670	937,670	-					
Land Acquisition	10280_6165	Jul-19	Jun-20	50,000	2,100	47,900				47,900	
Design/CS/RI	10293_6224	Jul-18	Jun-22	1,428,932	-	1,428,932				1,428,932	
Construction	10294_6225	Jul-20	Jun-21	4,464,191	-	4,464,191				4,464,191	
131 Upper Neponset Valley Sewer System		completed project		54,174,077	54,174,077	-					
132 Corrosion & Odor Control				48,322,893	3,372,834	44,950,059	350,303	2,497,962	3,219,695	42,101,794	
Planning/Study	10279_6137	Jan-97	Dec-98	587,422	587,422	-					
Land Acquisition	10323_6549	Aug-02	Jun-05	15,137	11,831	3,306	3,306		11,796		
Legal	10325_6551	Dec-00	Jul-08	1,925	1,925	-					
Design/CS/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-18	Apr-21	1,122,484	-	1,122,484				1,122,484	
FES/FERS Biofilters - Construction	10456_7215	Apr-19	Apr-20	1,836,792	-	1,836,792				1,836,792	
System-wide Odor Control - Study	10491_7364	Jul-18	Jul-20	1,000,000	-	1,000,000				1,000,000	
NI Mechanical & Electrical Upgrades - Design/CA/REI	10492_7365	Oct-17	Sep-22	1,570,000	-	1,570,000		224,286	224,286	1,345,714	
NI System-wide Odor Control - Evaluation	10495_7494	Sep-15	Feb-17	489,579	362,939	126,640	126,640		489,580		
NI Mechanical & Electrical Upgrades - Construction	10496_7495	Mar-19	Sep-21	6,053,936	-	6,053,936				6,053,936	
NI Odor Control & HVAC Improvements - Design/CA/REI	10497_7517	Mar-17	Dec-21	5,736,901	-	5,736,901	220,357	2,273,676	2,494,033	3,242,868	
NI Odor Control & HVAC Improvements - Construction Phase 2	10498_7548	Dec-18	Dec-20	27,500,000	-	27,500,000				27,500,000	
136 West Roxbury Tunnel				11,313,573	10,313,573	1,000,000				1,000,000	
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	Sep-19	Jun-20	1,000,000	-	1,000,000				1,000,000	

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137 Wastewater Central Monitoring				27,482,036	19,782,036	7,700,000		200,000	199,835	2,400,000	5,100,000
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	65,303	65,303	-			(165)		
Wastewater Redundant Communications	10490_7363	Jul-19	Mar-23	700,000	-	700,000				700,000	
Design & Programming Services	10551_7578	Jan-18	Oct-27	3,470,000	-	3,470,000		120,000	120,000	800,000	2,550,000
Construction	10552_7579	Dec-19	Oct-27	1,420,000	-	1,420,000				400,000	1,020,000
Equipment/Hardware	10553_7580	Apr-18	Oct-27	2,110,000	-	2,110,000		80,000	80,000	500,000	1,530,000
139 South System Relief Project				4,939,244	3,439,244	1,500,000				1,500,000	
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 - 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 High Level Sewer - 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-19	Dec-20	1,500,000	-	1,500,000				1,500,000	
141 Wastewater Process Optimization				10,416,274	1,501,767	8,914,507			296,589	5,195,484	3,719,023
Planning	10367_6733	Aug-01	Aug-04	930,308	930,308	-					
North System Hydraulic Study	10412_6930	Nov-11	Jun-15	571,459	571,459	-			296,588		
Somerville Sewer - Design	10413_6931	Oct-19	Mar-22	200,000	-	200,000				200,000	
Somerville Sewer - Construction	10414_6932	Mar-21	Mar-22	1,122,484	-	1,122,484				1,122,484	
Siphon - Planning	10415_6933	Nov-18	Jun-19	150,000	-	150,000				150,000	
Hydraulic Flood Engineering - North System - Design & Const.	19401_7412	Jan-19	Jun-27	7,442,023	-	7,442,023				3,723,000	3,719,023
142 Wastewater Meter System - Equipment Replacement				28,437,912	5,137,912	23,300,000		1,000,000	1,000,000	14,625,361	7,674,639
Planning / Study / Design	10371_6739	Jun-17	Aug-19	5,125,361	-	5,125,361		1,000,000	1,000,000	4,125,361	
Equipment Purchase & Installation	10379_6793	Nov-03	Jun-08	5,137,912	5,137,912	-					
Meter Power - Design/CA/RI	10410_6928	Jul-19	Dec-20	1,500,000	-	1,500,000				1,500,000	
Meter Installation - Construction	10411_6929	Dec-19	Jun-21	5,000,000	-	5,000,000				5,000,000	
WW Metering Asset Protection/Equipment Purchase	10451_7191	Aug-19	Dec-30	11,674,639	-	11,674,639				4,000,000	7,674,639
143 Regional I/I Management Planning		completed project		168,987	168,987	-					

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145 Facility Asset Protection				393,657,355	38,670,485	354,986,870	18,985,616	42,900,980	83,304,098	196,658,627	96,441,650
Prison Point HVAC Upgrades - Construction	10380_6795	Dec-10	Dec-13	2,764,188	2,764,181	7	7		318,377		
Remote Headworks Heating System Upgrade	10381_6796	May-05	May-06	1,175,181	1,175,181	-					
Alewife Brook Pump Station Rehab - Construction	10382_6797	Jan-16	May-18	12,624,000	-	12,624,000	4,923,189	7,700,811	12,624,000		
Rehab of Section 93A Lexington	10383_6798	Jul-03	Apr-04	1,565,742	1,565,742	-					
Chelsea Creek Headworks Upgrade - REI	10387_6802	Nov-16	Feb-21	3,446,834	-	3,446,834	246,602	810,000	1,056,602	2,390,232	
Technical Assistance	10392_6829	Jul-02	Mar-22	88,688	83,688	5,000	5,000		40,803		
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	Nov-08	12,989	12,856	133	133		4,078		
Remote Headworks Concept Plan	10399_6886	May-08	Sep-09	670,436	670,436	-					
Construction CB1 Sections 26 & 27	10418_6936	Sep-20	Sep-22	14,500,000	-	14,500,000				14,500,000	
Alewife Brook Pump Station Rehab - Design/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	-			(10,818)		
93 A Force Main Replacement	10423_6987	May-06	Jan-07	461,962	461,962	-					
Mill Brook Valley Sewer Sections 79 & 92	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	-					
Alewife Brook Pump Station Rehab - Final Design/CA/REI	10428_7034	Mar-12	May-19	1,911,292	1,030,539	880,753	226,855	325,881	958,841	328,017	
Caruso Pump Station Improvements - Design/CA/REI	10431_7037	Aug-12	Jun-17	865,096	528,118	336,978	306,978	30,000	641,656		
Land/Easements	10440_7073	Jul-03	Jun-10	103,386	103,386	-					
Nut Island Headworks Fire Alarm/Wiring Conduit	10444_7144	Jun-09	Dec-09	285,391	285,391	-					
Chelsea Creek Headworks Upgrade - Construction	10445_7161	Nov-16	Nov-20	76,059,000	-	76,059,000	4,947,299	27,027,656	31,974,954	44,084,045	
Pump Stations & CSOs Condition Assessment	10446_7162	Dec-17	Dec-19	3,254,970	-	3,254,970		610,000	610,000	2,644,970	
Interceptor Renewal 1, Reading Extension - Design/CA/REI	10447_7163	Aug-15	Aug-19	1,156,116	249,743	906,373	228,774	317,822	796,338	359,778	
Interceptor Renewal 1, Reading Extension Sewer - Construct.	10448_7164	May-17	Aug-18	2,048,945	-	2,048,945	128,059	1,536,709	1,664,768	384,177	
Chelsea Creek Headworks Upgrade - Design/CA	10455_7206	Jul-10	Oct-21	8,786,831	5,480,852	3,305,979	725,000	774,300	4,688,939	1,806,679	
Malden & Melrose Hydraulics & Structural - Study/Design	10457_7216	Jan-19	Dec-19	300,000	-	300,000				300,000	
Malden & Melrose Hydraulics & Structural - Construction	10458_7217	Jul-20	Jul-22	1,000,000	-	1,000,000				1,000,000	
Headworks Effluent Shaft - Study	10463_7237	Sep-17	Sep-18	500,000	-	500,000		250,000	250,000	250,000	
Interceptor Renewal 3, Dorchester Interc. Sewer - Construct.	10467_7279	Mar-19	Sep-20	6,000,000	-	6,000,000				6,000,000	
Construction CB2 Sections 23 & 24	10468_7280	Sep-22	Sep-24	10,000,000	-	10,000,000				2,800,000	7,200,000
Cottage Farm Fuel System Upgrade	10469_7281	Jun-12	Apr-13	497,558	497,558	-					
NI Electrical & Grit/Sreenings Conveyance - Design	10477_7312	Mar-11	May-16	1,249,477	1,232,802	16,675	16,675		626,326		
NI Electrical & Grit/Sreenings Conveyance - Construction	10478_7313	Jul-13	May-15	5,192,243	5,192,243	-			5,192,243		
Interceptor Renewal No. 5 - Milton Sections 607/609/610	10481_7328	Jan-20	Jan-23	10,000,000	-	10,000,000				10,000,000	
Interceptor Renewal No. 6 - Chelsea Sections 12/14/15/62	10482_7329	Mar-21	Mar-23	11,000,000	-	11,000,000				11,000,000	
Prison Point/Cottage Farm Pump & Gearbox Rebuilds - ESDC	10483_7330	Feb-14	Dec-16	319,682	407,208	(87,526)	(87,526)		319,682		
Somerville/Marginal Influent Gates Replacement	10484_7344	Jul-11	Nov-11	366,848	366,848	-					
Prison Point Rehab - Design/CA/RI	10486_7359	Aug-16	Aug-21	2,838,370	-	2,838,370	526,016	559,674	1,085,690	1,752,680	
System Relief & Contingency Planning	10487_7360	Jul-20	Jun-23	500,000	-	500,000				458,334	41,666
DeLauri Pump Station Screens, Gates, Valves & Security	10488_7361	Oct-17	Mar-19	1,078,570	-	1,078,570		359,524	359,524	719,046	
Caruso Pump Station Improvements - Construction	10489_7362	Mar-16	May-17	4,408,395	578,884	3,829,511	3,829,511		4,408,395		
Pump Station Rehab - Preliminary Design/Study	10500_7375	Jul-19	Jul-20	750,000	-	750,000				750,000	
Section 156 Rehab - Design/Build	10503_7393	Jul-11	Jul-12	2,562,778	2,562,773	5	5		5		
Cambridge Branch Sections 26 & 27 - Design/ ESDC	10504_7410	Sep-18	Sep-23	3,600,000	-	3,600,000				3,245,902	354,098
Sections 4, 5, 6, 186 - Design CA/RI	10505_7421	Nov-18	Nov-23	3,000,000	-	3,000,000				2,605,000	395,000

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Sections 4, 5, 6, 186 - Construction	10506_7422	Nov-20	Nov-22	16,000,000	-	16,000,000				16,000,000	
Sections 4, 5, 6, 186 - Study	10507_7423	Feb-17	May-18	1,213,974	-	1,213,974	142,820	856,923	999,743	214,231	
Ward St. & Columbus Park Headworks - Design/CA/REI	10510_7429	Sep-18	Mar-30	11,550,432	-	11,550,432				4,603,431	6,947,001
Ward St. Headworks - Construction	10511_7430	Oct-20	Mar-25	54,131,969	-	54,131,969				30,073,316	24,058,654
Chelsea Screenhouse Upgrades	10512_7431	Aug-15	Sep-16	4,953,041	3,373,670	1,579,371	1,579,371		4,953,041		
Prison Point/Cottage Farm Pump & Gearbox Rebuilds	10515_7452	Oct-13	Nov-15	6,439,438	6,439,438	-			6,439,438		
Prison Point Piping Rehab	10518_7459	Oct-16	Jun-17	466,200	-	466,200	400,600	65,600	466,200		
Prison Point Rehab - Construction	10519_7462	Aug-18	Aug-20	5,822,752	-	5,822,752				5,822,752	
Cottage Farm Rehab - Construction	10520_7463	Jul-21	Jul-23	10,073,880	-	10,073,880				8,814,645	1,259,235
Chelsea Screenhouse Upgrades - ESDC/REI	10521_7490	Sep-15	Sep-17	880,000	318,946	561,054	532,373	28,681	880,000		
Cottage Farm Rehab - Design/CA/REI	10522_7508	Jul-19	Jul-24	2,014,776	-	2,014,776				1,511,082	503,694
Chelsea Creek Headworks & Caruso Pump Station Utilities	10523_7510	Jul-16	Jun-17	32,000	-	32,000	10,856	21,144	32,000		
Cambridge Branch 23, 24, 26, 27 - Study	10524_7511	Oct-16	Jan-18	686,954	-	686,954	297,019	389,935	686,954		
Interceptor Renewal 3 Dorch. Intercep. Sewer - Design CA/RI	10525_7512	Apr-17	Oct-21	1,496,354	-	1,496,354		326,477	326,477	1,169,877	
Cambridge Branch Sections 23 & 24 - Design/ESDC	10526_7513	Sep-20	Sep-25	2,500,000	-	2,500,000				1,353,000	1,147,000
Interceptor Renewal 6 Chelsea - Design CA/REI	10527_7514	Mar-19	Mar-24	2,200,000	-	2,200,000				1,796,667	403,333
Interceptor Renewal 5 Milton - Design CA/R	10528_7515	Jan-18	Jan-23	2,000,000	-	2,000,000		200,000	200,000	1,800,000	
Quincy/Hingham PS Fuel Storage Upgrades - Construction	10529_7534	May-17	Jan-18	528,888	-	528,888		528,888	528,888		
Headworks Effluent Shaft Rehab - Design/CA/REI	10530_7549	Mar-19	Sep-22	1,019,070	-	1,019,070				1,019,070	
Headworks Effluent Shaft Rehab - Construction	10531_7550	Sep-20	Sep-21	5,095,350	-	5,095,350				5,095,350	
Wiggins Terminal Pump Station - Design	10532_7551	Sep-17	Apr-21	508,855	-	508,855		80,955	80,955	427,900	
Wiggins Terminal Pump Station - Construction	10533_7552	Apr-19	Apr-20	2,035,420	-	2,035,420				2,035,420	
Fuel Oil Tank Replacement - Design	10534_7553	Sep-17	Oct-21	1,528,605	-	1,528,605		100,000	100,000	1,428,605	
Fuel Oil Tank Replacement - Construction Phase 1	10535_7554	Oct-18	Oct-20	3,566,745	-	3,566,745				3,566,745	
Fuel Oil Tank Replacement - Construction Phase 2	10536_7555	May-19	Aug-20	2,547,675	-	2,547,675				2,547,675	
Columbus Park Headworks - Construction	10537_7587	May-25	Oct-29	54,131,969	-	54,131,969					54,131,969
146 D.I. Cross Harbor Tunnel				5,000,000	-	5,000,000				5,000,000	
Tunnel Shaft Repairs - Planning/Design/Construction	10454_7199	Jul-18	Jun-20	5,000,000	-	5,000,000				5,000,000	
147 Randolph Trunk Sewer Relief				750,000	-	750,000				750,000	
Study	10461_7220	Jul-18	Jun-20	750,000	-	750,000				750,000	

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Treatment				917,147,004	266,822,002	650,325,002	25,462,684	13,659,992	121,221,904	391,894,095	219,308,232
182 DI Primary and Secondary Treatment		completed project		(957,878)	(957,878)	-					
200 DI Plant Optimization		completed project		33,278,598	33,278,598	-			(148,080)		
206 DI Treatment Plant Asset Protection				859,104,592	224,644,166	634,460,426	20,078,159	11,082,920	108,304,666	383,991,117	219,308,232
DITP Roof Replacements	18045_6196	Jun-10	Jun-11	2,299,881	2,299,881	-					
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	50,527	-					
Odor Control Rehab - Construction	19188_6538	Sep-23	Mar-27	30,570,656	-	30,570,656					30,570,655
Odor Control Rehab - REI	19191_6592	Sep-23	Jun-27	3,774,995	-	3,774,995					3,774,995
Equipment Condition Monitoring	19193_6594	May-04	Jan-05	1,776,946	1,776,946	-					
NMPS & WTF Valve & Piping Replacement - ESDC/REI	19194_6598	Dec-14	Oct-18	1,664,480	871,172	793,308	498,309	270,000	1,639,480	25,000	
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	-			1,207,968		
Expansion Joint Repair - Construction 3	19218_6705	Mar-18	Mar-20	2,013,786	-	2,013,786		223,754	223,754	1,790,032	
As-needed Design Phase 6-1	19220_6721	May-09	Oct-12	1,910,867	1,910,867	-			(7,566)		
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	Apr-18	Nov-22	671,262	-	671,262				671,262	
Eastern Seawall - Construction - 1	19223_6724	Oct-19	Nov-21	3,915,695	-	3,915,695				3,915,695	
Barge Berth Rehab - Design/ESDC/REI	19224_6725	Apr-19	Aug-24	1,310,000	-	1,310,000				1,147,647	162,353
Barge Berth Rehab - Constuction	19225_6726	Feb-21	Aug-23	6,550,000	-	6,550,000				5,676,667	873,333
Rip-rap Material DITP	19226_6727	Mar-17	Nov-17	227,200	-	227,200	227,200		227,200		
Digester Gas Flare No. 4 - Design	19227_6728	Jul-19	Mar-22	542,495	-	542,495				542,495	
Digester Gas Flare No. 4 - Construction	19228_6729	Dec-20	Mar-22	1,193,489	-	1,193,489				1,193,489	
Combined Heat & Power Design	19229_6730	Sep-19	Mar-27	6,000,000	-	6,000,000				3,582,524	2,417,476
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 Sodium Hypochlorite Tanks 1 & 3	19237_6764	May-07	Nov-07	1,691,095	1,691,095	-					
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-20	145,275	68,110	77,165			12,412	77,165	
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 Replacement - Phase 2	19246_6821	Jan-16	Jul-17	2,679,861	502,522	2,177,339	1,787,949	389,390	2,679,861		
Co-Digestion Design/Build	19247_6822	Aug-23	Feb-25	5,000,000	-	5,000,000					5,000,000
Reline Sodium Hypochlorite Tanks 2 & 4	19250_6849	Apr-08	Oct-08	2,241,692	2,241,692	-					
Chemical Pipe Replacement - Design	19252_6851	Jun-20	Dec-24	650,994	-	650,994				476,621	174,373
Chemical Pipe Replacement - Construction	19253_6852	Dec-21	Dec-23	2,169,840	-	2,169,840				1,175,330	994,510
Electrical Equipment Upgrades - Construction 3	19256_6855	Feb-08	Aug-11	15,173,750	15,173,750	-					

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Winthrop Terminal Facility VFD Replacement - Construction	19258_6875	Jun-16	Mar-20	11,951,088	-	11,951,088	1,342,372	2,778,105	4,120,477	7,830,611	
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	3,233,191	3,014,426	218,765	218,765		2,300,740		
Cathodic Protection - Design/ESDC	19263_6880	Oct-17	Nov-23	1,360,000	-	1,360,000		141,667	141,667	1,196,398	21,935
Grit Air Handler Replacements	19264_6881	Jul-08	Jun-10	2,029,247	2,029,247	-					
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	-			298,123		
Primary & Secondary Clarifier Rehab - Construction	19268_6899	Feb-09	Feb-12	58,613,089	56,786,629	1,826,460	1,826,460		1,826,460		
Electrical Equipment Upgrades - Construction 4	19270_6901	May-13	May-16	7,871,148	7,193,782	677,365	677,365		7,871,148		
North Main Pump Station VFD Replacement - Design/ESDC	19271_6902	Dec-07	Apr-12	1,275,969	1,275,969	-					
North Main Pump Station VFD Replacement - Construction	19272_6903	Dec-11	Mar-16	24,437,771	24,644,179	(206,408)	(206,407)		17,891,708		
Fire Alarm System Replacement - Design	19273_6904	Dec-15	Jan-23	2,078,771	172,651	1,906,120	364,311	266,000	802,962	1,245,577	30,232
Combined Heat & Power Alternatives Study	19274_6963	Oct-17	Sep-18	829,500	-	829,500		414,750	414,750	414,750	
Combined Heat & Power - Construction	19275_6964	Mar-22	Mar-26	83,000,000	-	83,000,000				17,291,667	65,708,333
Primary & Secondary Clarifier Rehab - Design	19276_6965	Mar-09	Sep-13	1,677,666	1,677,666	1			(13,326)		
Gravity Thickener Improvements - Construction	19277_6966	Apr-10	Jun-12	933,118	1,033,118	(100,000)	(100,000)		200,000		
Steam Turbine Generator System Modifications - Design	19278_6967	Jun-09	Apr-11	(44,268)	(44,268)	-			(450,000)		
Electrical Equipment Upgrades 3 - REI	19279_6968	Feb-08	Nov-11	1,111,984	1,111,984	-					
North Main Pump Station Motor Control Center - Construction	19283_6972	Jan-12	Apr-13	913,900	913,900	-			3,451		
Steam Turbine Generator System Modifications - Construction	19284_6973	May-10	Apr-11	2,119,673	2,119,673	-			(450,000)		
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	Sep-18	Mar-22	20,000,000	-	20,000,000				20,000,000	
Digester & Storage Tank Rehab - Design/ESDC	19290_7052	Sep-18	Sep-25	3,000,000	-	3,000,000				2,255,102	744,898
Digester & Storage Tank Rehab - REI	19291_7053	Mar-21	Dec-24	2,000,000	-	2,000,000				977,778	1,022,222
Thickened Primary Sludge Pump Replacement - Construction	19292_7054	Oct-13	Jun-14	27,297	27,297	-					
Digester Modules 1 & 2 Pipe Replacement	19293_7055	Aug-11	Aug-14	7,096,335	7,096,335	-			1,203,504		
Cathodic Protection - Construction	19294_7056	Apr-20	Oct-22	6,471,420	-	6,471,420				6,471,420	
Centrifuge Backdrive Replacement	19295_7057	Feb-13	Mar-15	3,965,205	3,965,204	1			3,644,286		
Switchgear Replacement - Construction	19297_7059	Sep-18	Sep-21	8,000,000	-	8,000,000				8,000,000	
Power Consultant Recommendations - Design	19298_7060	Jan-06	Jul-09	2,097,404	2,097,404	-					
Power System Improvements - Construction	19299_7061	Jan-09	May-17	10,213,086	6,964,878	3,248,208	2,880,085	368,124	4,790,428		
North Main Pump Station VFD Replacement - REI	19300_7062	Dec-12	Jun-16	792,980	768,442	24,538	24,538		750,224		
Heat Loop Pipe Replacement - Construction 3	19301_7063	Jun-09	Jun-11	11,546,392	11,549,258	(2,866)	(2,866)		207,591		
Odor Control Rehab - Design/ESDC	19303_7088	Mar-21	Mar-28	4,640,050	-	4,640,050				2,320,025	2,320,025
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	Jan-18	Aug-21	2,000,000	-	2,000,000				2,000,000	
HVAC Equipment Replacement - Design/ESDC	19309_7111	Mar-14	Oct-20	1,981,441	1,195,543	785,898	73,821		1,269,364	712,077	
HVAC Equipment Replacement - Construction	19310_7110	Jan-18	May-21	38,792,000	-	38,792,000				38,792,000	
DI As-needed Technical Design	19311_7121	Jul-19	Jul-26	16,250,000	-	16,250,000				8,898,811	7,351,189
Odor Control System - Study	19312_7122	Sep-18	Mar-20	750,000	-	750,000				750,000	
Digested Sludge Pump Replacement - Construction	19313_7123	Oct-09	Dec-14	1,873,723	1,873,723	-			367,219		
Electrical Equipment Upgrades 5 - Construction	19314_7124	Dec-21	Dec-26	23,161,875	-	23,161,875				5,018,406	18,143,469
South System Pump Station VFD Replacement - Design/ESDC	19316_7126	Jan-18	Aug-23	4,800,000	-	4,800,000		171,429	171,429	2,211,544	2,417,027

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South System Pump Station VFD Replacement - Constuction	19317_7127	Aug-19	Aug-22	19,200,000	-	19,200,000				19,200,000	
North Main Pump Station VFD Replacement - Design/ESDC	19318_7128	Jun-24	Dec-31	4,420,000	-	4,420,000					4,420,000
North Main Pump Station VFD Replacement - Construction	19319_7129	Dec-26	Dec-30	17,680,000	-	17,680,000					17,680,000
Electrical Equipment Upgrades 5 - Design/ESDC/REI	19320_7130	Dec-19	Dec-27	4,632,400	-	4,632,400				2,237,777	2,394,623
Miscellaneous VFD Replacement - Construction	19321_7131	Jul-17	Jun-22	5,334,000	-	5,334,000		500,000	500,000	4,834,000	
DI Switchgear Replacement - Design	19322_7132	Jul-20	Jul-25	4,500,000	-	4,500,000				2,801,020	1,698,980
DI Switchgear Replacement - Construction	19323_7133	Jul-22	Jul-24	16,000,000	-	16,000,000				4,000,000	12,000,000
DI PICS Replacement - Construction	19324_7134	Feb-21	Feb-23	5,400,000	-	5,400,000				5,400,000	
DI Dystor Membrane Replacements	19325_7135	Jul-19	Nov-19	3,000,000	-	3,000,000				1,800,000	1,200,000
DI Combustion Turbine Generator Rebuilds	19326_7136	Jul-20	Jul-23	8,000,000	-	8,000,000				7,111,112	888,888
DI Centrifuge Replacements - Design	19327_7137	Dec-19	Jun-24	4,160,000	-	4,160,000				3,290,181	869,819
DI Centrifuge Replacements - Construction	19328_7138	Jun-21	Jun-23	16,640,000	-	16,640,000				11,093,333	5,546,667
Cryogenics Plant Equipment Replacement - Design	19329_7139	Dec-20	Dec-25	1,600,000	-	1,600,000				832,652	767,348
Cryogenics Plant Equipment Replacement - Construction	19330_7140	Dec-22	Dec-24	5,300,000	-	5,300,000				220,833	5,079,167
Sodium Hypochlorite Tank Replacement	19332_7142	Jul-22	Jul-26	10,000,000	-	10,000,000				1,250,000	8,750,000
Gas Protection System Replacement	19333_7167	Nov-17	Nov-19	2,000,000	-	2,000,000		166,667	166,667	1,833,333	
Personnel Dock Rehab	19334_7168	Feb-17	Oct-17	1,294,524	-	1,294,524	922,127	372,397	1,294,524		
South System Pump Station Lube System Replacement	19335_7169	Sep-18	Sep-20	2,900,000	-	2,900,000				2,900,000	
East/West Odor Control Air Handler Replacement	19336_7170	Jun-25	Jun-30	2,000,000	-	2,000,000					2,000,000
PICS Distributed Process Units Replace.	19338_7172	Feb-21	Feb-23	8,000,000	-	8,000,000				8,000,000	
NMPS & WTF Butterfly Valve Replacement	19339_7275	Jun-14	Jun-17	17,589,971	8,779,325	8,810,647	7,027,954	1,782,693	17,589,971		
Digester & Storage Tank Rehab - Constuction	19345_7373	Mar-21	Sep-24	30,000,000	-	30,000,000				15,714,285	14,285,715
Clarifier W3H Flushing System	19346_7374	Jul-12	Jul-13	1,262,406	1,262,406	-			48,612		
Clarifier Rehab Phase 2 - Design	19347_7394	Jan-15	Mar-23	2,280,517	535,950	1,744,567	262,507	334,472	1,132,929	1,147,588	
Clarifier Rehab Phase 2 - Construction	19348_7395	Jun-18	Mar-22	100,000,000	-	100,000,000				100,000,000	
Scum Skimmer Replacement	19349_7396	Oct-13	Oct-16	20,393,784	20,138,143	255,641	255,641		20,393,784		
Clarifier Rehab Phase 2 - REI	19351_7397	Sep-18	Jun-22	3,000,000	-	3,000,000				3,000,000	
Cryogenics Chillers Replacement	19352_7398	Oct-14	Oct-16	3,219,270	2,358,527	860,744	860,744		3,219,270		
As-Needed Design 7-1	19353_7399	Oct-12	Oct-15	1,547,446	1,547,445	-			1,095,113		
As-Needed Design 7-2	19354_7400	Oct-12	Apr-16	1,060,919	1,060,919	-			764,426		
Thermal Power Plant Boiler Controls Replacement	19355_7401	Nov-14	Nov-16	1,620,631	1,628,631	(8,000)	(8,000)		1,620,632		
North Main Pump Station Harmonic Filter Replacement	19557_7414	May-19	May-21	3,000,000	-	3,000,000				3,000,000	
Fuel Pipe Abandonment	19558_7415	Aug-12	Jan-13	230,000	230,000	-					
Electrical Equipment Upgrades 4 - REI	19559_7416	May-14	Oct-16	858,375	671,834	186,542	186,542		858,375		
Motor Cntrl Center Switchgear Replacement - Design/ESDC/REI	19560_7419	Jan-17	Jun-22	2,479,672	-	2,479,672	225,420	520,000	745,420	1,734,252	
Motor Control Center Switchgear Replacement - Construction	19561_7420	Feb-19	Aug-21	10,585,725	-	10,585,725				10,585,725	
Roof Replacement Phase 3	19562_7424	Sep-13	Jul-14	610,500	610,500	-			610,500		
Fire System Replacement - REI	19563_7426	Sep-18	Jun-22	2,300,000	-	2,300,000				2,300,000	
Gravity Thickener Center Column Replacement	19564_7427	Jan-13	Jan-14	825,457	825,457	-			537,657		
Gravity Thickener Rehab	19565_7428	Apr-18	Apr-21	16,900,000	-	16,900,000				16,900,000	
As-Needed Design 7-3	19566_7434	Oct-12	Apr-16	947,364	885,637	61,727	61,727		892,572		
As-Needed Design 8-1	19600_7501	Jul-16	Jul-19	1,400,000	-	1,400,000	197,792	466,667	664,459	735,541	
As-Needed Design 8-2	19601_7502	Jul-16	Jul-19	1,400,000	-	1,400,000	213,561	323,667	537,228	862,772	
As-Needed Design 8-3	19602_7503	Jul-16	Jul-19	1,400,000	-	1,400,000	260,242	416,667	676,909	723,091	
Co-Digestion Temporary Facilities	26073_7148	Sep-13	Jun-15	433,832	433,832	-			433,832		
Sodium Hypochlorite & Bisulfite Tanks Rehab	40256_7449	Oct-17	Oct-19	5,000,000	-	5,000,000		1,176,471	1,176,471	3,823,529	

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210 Clinton Wastewater Treat Plant				23,494,018	7,629,442	15,864,576	5,384,525	2,577,072	13,065,318	7,902,978	
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 Repair - Design	19340_7276	Feb-13	Dec-13	62,615	62,615	-					
Clinton Digester Cleaning & Rehab	19341_7277	May-10	Apr-17	3,448,928	3,417,382	31,545	31,545		3,360,328		
Clinton Aeration Efficiency Improvement	19342_7278	Apr-12	Feb-13	1,864,562	1,864,561	-			(12,283)		
Clinton WWTP Rehab - Design/ESDC/REI	19343_7371	Sep-18	Mar-23	1,000,000	-	1,000,000				1,000,000	
Valves & Screw Pumps Replacement	19344_7372	Dec-17	Mar-19	1,500,000	-	1,500,000		93,750	93,750	1,406,250	
Phosphorus Reduction - Design/ESDC	19350_7377	Nov-13	Sep-18	1,419,371	508,956	910,416	335,949	107,047	951,952	467,420	
Phosphorus Reduction - Construction	19400_7411	Mar-16	Sep-17	7,519,096	882,505	6,636,591	4,919,966	1,716,624	7,519,095		
Clinton Roofing Rehab	19405_7450	Sep-17	Nov-18	1,214,462	-	1,214,462	2,784	659,651	662,434	552,028	
Clinton WWTP Rehab - Construction	19406_7451	Mar-20	Mar-22	4,477,280	-	4,477,280				4,477,280	
NGRID Gas Line	19407_7528	Apr-16	Jun-17	490,043	395,762	94,281	94,281		490,043		
211 Laboratory Services				2,227,674	2,227,674	-					
Metals Lab Fume Hood Replacement - Construction	19152_6197	Mar-11	Feb-12	995,476	995,476	-					
Metals Lab Fume Hood Replacement - Design	19249_6848	Jan-09	Feb-12	263,361	263,361	-					
Metals Lab Modification - Construction	19251_6850	May-07	Sep-08	968,837	968,837	-					
Residuals				167,642,623	64,642,623	103,000,000		2,851,355	2,958,162	13,565,312	86,583,333
261 Residuals		completed project		63,810,848	63,810,848	-					
271 Residuals Asset Protection				103,831,775	831,775	103,000,000		2,851,355	2,958,162	13,565,312	86,583,333
Residuals Facility Plan / EIR	26069_7143	Jan-20	Jan-25	1,000,000	-	1,000,000				666,667	333,333
Residuals Facility Upgrades - Design	26070_7145	Aug-18	Feb-21	2,000,000	-	2,000,000				2,000,000	
Residuals Facility Upgrades - Construction	26071_7146	Jul-18	Sep-20	1,928,500	-	1,928,500		74,173	74,173	1,854,327	
Condition Assessment/Technology & Regulatory Review	26072_7147	May-09	Jan-14	831,775	831,775	-			106,807		
Residuals Phase 2 - Design	26074_7149	Nov-21	Jun-28	15,000,000	-	15,000,000				1,750,000	13,250,000
Residuals Phase 2 - Construction	26075_7150	Jan-23	Jan-30	75,000,000	-	75,000,000				2,000,000	73,000,000
Sludge Tank & Silo Coating	26076_7151	Aug-17	Jun-18	839,500	-	839,500		507,682	507,682	331,818	
Electrical Improvements	26077_7152	Sep-17	Sep-18	2,219,500	-	2,219,500		932,833	932,833	1,286,667	
Mechanical Improvements	26078_7153	Jul-17	Sep-18	2,012,500	-	2,012,500		1,170,000	1,170,000	842,500	
Pellet Piping Relocation	26079_7173	Dec-17	Jun-19	3,000,000	-	3,000,000		166,667	166,667	2,833,333	

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CSO				910,573,527	893,499,651	17,073,876	8,589,925	1,878,209	66,261,453	6,605,742	
MWRA Managed				433,535,018	433,388,868	146,150	146,151		3,656,538		
339 North Dorchester Bay		completed project		221,509,794	221,509,793	-			(110,813)		
347 East Boston Branch Sewer Relief		completed project		85,637,164	85,637,164	-			(8,831)		
348 BOS019 Storage Conduit		completed project		14,287,581	14,287,581	-					
349 Chelsea Trunk Sewer		completed project		29,779,319	29,779,320	-					
350 Union Park Detention Treatment Facility		completed project		49,583,407	49,583,407	-					
353 Upgrade Existing CSO Facilities		completed project		22,385,200	22,385,200	-					
354 Hydraulic Relief Projects		completed project		2,294,549	2,294,549	-					
355 MWR003 Gate & Siphon				4,424,927	4,278,777	146,150	146,150		3,776,181		
Design	32722_6952	Mar-12	Oct-16	1,621,643	1,475,493	146,150	146,151		972,898		
Construction 1	32723_6953	Sep-13	Jan-14	235,783	235,783	-			235,783		
Construction 2	32755_7409	Aug-14	Oct-15	2,567,501	2,567,501	-			2,567,501		
357 Charles River CSO Controls		completed project		3,633,077	3,633,077	-					
Community Managed				424,152,891	411,907,558	12,245,334	7,034,615	1,452,959	61,931,694	3,757,757	
340 Dorchester Bay Sewer Separation (Fox Point)		completed project		54,625,590	54,625,590	-			473,295		
341 Dorchester Bay Sewer Separation (Commercial Point)				64,009,206	60,542,452	3,466,754	(291,003)		(895,701)	3,757,757	
Design	32650_6154	Jun-96	Dec-16	16,686,794	16,813,378	(126,584)	(126,584)		49,059		
Construction	32665_6248	Apr-99	Dec-16	43,564,655	43,729,074	(164,419)	(164,419)		(944,760)		
Dorchester Interceptor Inflow Removal - Construction	32750_7576	Dec-18	Jun-20	3,757,757	-	3,757,757				3,757,757	
342 Neponset River Sewer Separation		completed project		2,549,087	2,549,087	-			104,692		
343 Constitution Beach Sewer Separation		completed project		3,731,315	3,731,315	-			(37,573)		
344 Stony Brook Sewer Separation		completed project		44,268,098	44,246,463	21,635	21,635		69,714		

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346 Cambridge Sewer Separation				104,552,056	95,869,484	8,682,572	7,229,613	1,452,959	54,067,852		
Design/CS/RI	32654_6161	Jan-97	Dec-17	33,635,019	31,345,893	2,289,126	2,082,328	206,798	12,399,671		
Construction	32672_6255	Jul-98	Jun-17	70,917,037	64,523,591	6,393,446	5,147,285	1,246,161	41,668,181		
351 BWSC Floatables Controls		completed project		945,936	945,936	-			12,957		
352 Cambridge Floatables Controls		completed project		1,126,708	1,126,708	-			39,783		
356 Fort Point Channel Sewer Separation		completed project		11,872,406	11,917,089	(44,683)	(44,683)		(134,301)		
358 Morrissey Boulevard Drain				32,185,790	32,188,262	(2,472)	(2,473)		(160,999)		
Construction	32713_6696	Dec-06	Jun-09	28,320,841	28,320,840	1	-		194		
Design	32735_7015	Jun-05	Jun-13	3,864,949	3,867,422	(2,473)	(2,473)		(161,193)		
359 Reserved Channel Sewer Separation				70,517,003	70,395,477	121,526	121,526		10,477,101		
Construction	32727_6994	May-09	Dec-15	55,259,228	56,008,843	(749,615)	(749,615)		7,850,683		
Design	32734_7014	Jul-06	Jun-16	15,257,775	14,386,634	871,141	871,141		2,626,418		
360 Brookline Sewer Separation		completed project		24,715,291	24,715,291	-			(1,282,073)		
361 Bulfinch Triangle Sewer Separation		completed project		9,054,405	9,054,404	-			(803,053)		
CSO Planning & Support				52,885,618	48,203,225	4,682,394	1,409,159	425,250	673,221	2,847,985	
324 CSO Support				52,885,618	48,203,225	4,682,394	1,409,159	425,250	673,221	2,847,985	
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	-					
SOP Program	32411_5767	Jan-94	May-01	772,828	772,829	-			(1,183,721)		
Watershed Planning	32645_6036	Dec-94	Apr-01	877,134	877,134	-					
Technical Review	32648_6150	Jul-96	Dec-20	584,583	528,932	55,651				55,651	
Land Acquisition/Easement	32658_6169	Jul-96	Sep-21	12,875,388	12,835,008	40,380	9,159	9,250	40,942	21,971	
System Assessment	32691_6372	May-97	Dec-20	255,000	68,637	186,363		50,000	50,000	136,363	
Som Marginal In-System Storage	32748_7539	Nov-16	Jun-18	1,400,000	-	1,400,000	1,400,000		1,400,000		
CSO Performance Assessment	32749_7572	Oct-17	Mar-21	3,000,000	-	3,000,000		366,000	366,000	2,634,000	

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Other Wastewater				242,865,861	163,671,800	79,194,060	18,391,846	19,097,046	72,665,011	52,114,377	(10,409,204)
128 I/I Local Financial Assistance				242,584,985	163,390,924	79,194,061	18,391,846	19,097,046	72,665,012	52,114,377	(10,409,204)
Phase II - Grants	10273_6084	May-93	May-06	15,928,524	15,928,524	-	-		-		
Phase II - Loans	10274_6085	May-93	May-06	47,664,000	47,664,000	-	-		-		
Phase II - Repayments	10282_6170	May-94	May-11	(47,664,000)	(47,664,000)	-	-		-		
Public Participation	10348_6609	Feb-99	Jun-02	6,461	6,461	-					
Phase IV - Grants	10368_6736	Nov-99	May-10	34,650,000	34,650,000	-	-		-		
Phase IV - Loans	10369_6737	Nov-99	May-10	42,350,000	42,350,000	-	-		-		
Phase IV - Repayments	10370_6738	Nov-00	May-15	(42,350,000)	(42,350,000)	-	-		(587,977)		
Phase V - Grants	10407_6925	Aug-04	May-12	18,000,000	18,000,010	(10)	(10)		(10)		
Phase V - Loans	10408_6926	Aug-04	May-12	22,000,000	22,000,007	(7)	(7)		(7)		
Phase V - Repayments	10409_6927	Aug-05	May-17	(22,000,000)	(21,619,242)	(380,758)	(380,757)		(3,143,568)		
Phase VI - Grants	10441_7107	Nov-06	Jun-21	18,000,000	17,194,117	805,883	180,000	625,884	3,436,467		
Phase VI - Loans	10442_7108	Nov-06	Jun-21	22,000,000	21,015,031	984,969	220,000	764,969	4,200,127		
Phase VI - Repayments	10443_7109	Nov-07	Jun-26	(22,000,000)	(16,649,946)	(5,350,054)	(1,695,304)	(1,326,192)	(10,614,351)	(2,328,558)	
Phase VII - Grants	10471_7293	Aug-09	Jun-21	18,000,000	15,573,817	2,426,183	1,800,000	626,183	6,242,288		
Phase VII - Loans	10472_7294	Aug-09	Jun-21	22,000,000	19,034,667	2,965,333	2,200,000	765,333	7,629,462		
Phase VII - Repayments	10473_7295	Aug-10	Jun-26	(22,000,000)	(11,967,282)	(10,032,718)	(2,977,493)	(2,683,586)	(14,784,676)	(4,371,638)	
Phase VIII - Grants	10474_7296	Aug-12	Jun-21	18,000,000	12,675,543	5,324,457	2,137,950	2,479,951	13,105,126	706,556	
Phase VIII - Loans	10475_7297	Aug-12	Jun-21	22,000,000	15,492,331	6,507,669	2,613,050	3,031,050	16,017,375	863,569	
Phase VIII - Repayments	10476_7298	Aug-13	Jun-26	(22,000,000)	(5,967,135)	(16,032,865)	(3,283,217)	(3,012,162)	(12,262,514)	(9,150,919)	(586,566)
Phase IX Grants	10560_7464	Jul-14	Jun-21	60,000,000	15,548,925	44,451,075	11,250,000	11,250,000	38,048,925	21,951,075	
Phase IX Loans	10561_7465	Jul-14	Jun-21	20,000,000	5,182,975	14,817,025	3,750,000	3,750,000	12,682,975	7,317,026	
Phase IX Repayment	10562_7466	Jul-15	Jun-31	(20,000,000)	(543,098)	(19,456,903)	(816,125)	(982,751)	(2,341,973)	(8,570,234)	(9,087,793)
Phase X Grants	10563_7467	Jul-16	Jun-25	60,000,000	5,932,650	54,067,350	2,688,025	3,000,000	11,620,675	37,500,000	10,879,325
Phase X Loans	10564_7468	Jul-16	Jun-25	20,000,000	1,977,550	18,022,450	896,008	1,000,000	3,873,558	12,500,000	3,626,442
Phase X Repayment	10565_7469	Jul-16	Jun-35	(20,000,000)	(75,000)	(19,925,000)	(190,255)	(191,633)	(456,888)	(4,302,500)	(15,240,612)
138 Sewerage System Mapping Upgrades		completed project		280,876	280,876	-					

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Waterworks				4,010,950,592	1,965,078,166	2,045,872,426	63,298,790	82,730,816	236,425,368	576,509,193	1,323,333,608
Drinking Water Quality Improvements				666,791,121	644,945,565	21,845,554	1,353,065	3,880,671	54,971,751	6,194,807	10,417,007
542 Carroll Water Treatment Plant				439,799,004	418,815,184	20,983,820	711,201	3,660,804	11,978,664	6,194,807	10,417,007
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	72,208	72,108	100	100		100		
Wachusett WTP - Design/CS/RI	53301_5017	Oct-96	Sep-06	46,605,542	46,605,542	-					
Permit Fees	53304_5157	Jul-93	Nov-19	87,037	86,354	683	283	400	6,787		
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 Distribution 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 / RI	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 - MECO	53393_6406	Jul-97	Jul-97	10,300	10,300	-					
Cosgrove Disinfection Facility - Underwater Improvements	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 Rehab - 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 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	-					
Site Security Services	53425_6613	May-99	Mar-05	1,263,635	1,263,635	-					
Existing Facilities Modifications, CP7 - Construction	53426_6650	Aug-15	Apr-19	7,358,529	3,073,274	4,285,255	548,255	2,907,000	6,528,529	830,000	
CSX Crossing	53427_6670	Aug-01	Dec-01	64,700	64,700	-					
Wachusett Algae - Design CS/RI	53428_6671	Jul-24	Dec-27	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	53443_6815	Jul-01	Jan-04	301,750	301,750	-					
Fitout / Construction	53445_6827	Oct-03	Jun-19	1,499,966	545,159	954,807			(411)	954,807	
Wachusett Algae - Construction	53448_6889	Feb-25	Dec-26	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	-			1,820,233		
CWTP Ultraviolet Disinfection - Construction	53451_6924	Apr-11	Feb-14	31,057,187	31,057,187	-			1,825,410		
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	-			15,540		

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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 2	53457_7085	Jan-09	Jun-24	9,190,650	4,853,643	4,337,007		250,000	470,212	3,420,000	667,007
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	-			(18,000)		
Technical Assistance 6	53465_7316	Sep-10	Mar-13	407,989	407,989	-			37,736		
CWTP Storage Tank Roof Drainage System	53470_7376	Jan-24	Nov-26	7,000,000	-	7,000,000					7,000,000
Technical Assistance 7	75530_7406	Jun-13	Nov-15	593,529	593,529	-			593,529		
Technical Assistance 8	75531_7407	Jan-16	Jan-18	563,000	33,032	529,968	162,563	367,404	563,000		
CWTP - Asset Protection	75546_7455	Jul-23	Jun-25	500,000	-	500,000					500,000
Technical Assistance 9	75601_7543	Jan-18	Jan-20	563,000	-	563,000		68,000	68,000	495,000	
Technical Assistance 10	75602_7544	Jan-18	Jan-20	563,000	-	563,000		68,000	68,000	495,000	
543 Brutsch Water Treatment Facility		completed project		19,972,883	19,972,879	-			7,204,639		
544 Norumbega Covered Storage		completed project		106,674,147	106,674,146	-					
545 Blue Hills Covered Storage		completed project		40,082,837	40,082,837	-			120,000		
550 Spot Pond Covered Storage Facility				60,262,250	59,400,519	861,731	641,864	219,867	35,668,449		
Environmental Review	53400_6455	Apr-02	Feb-03	232,830	232,830	-					
Design / Build	53402_6457	Nov-11	Dec-15	50,535,965	49,863,940	672,025	544,120	127,905	32,944,235		
Easement/Land Acquisition/Permits	53447_6868	Oct-08	Dec-14	6,112,343	6,112,268	75	75		763,639		
Owners' Representative	53462_7233	Mar-10	Feb-18	3,159,096	2,969,465	189,631	97,669	91,962	1,960,575		
Early Construction Water Connection	53463_7314	Jul-11	Feb-12	222,016	222,016	-					

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Transmission				2,423,539,901	770,602,306	1,652,937,595	26,510,617	23,593,841	65,668,609	276,128,463	1,326,704,671
597 Winsor Station Pipeline Improvements				34,242,988	2,578,137	31,664,851	2,400,806	1,253,174	4,836,528	24,949,551	3,061,320
Preliminary Permit, Study & Licensing	60032_6276	Nov-97	Jun-99	38,901	38,604	297	297		619		
Quabbin Aqueduct TV Inspection	60033_6277	Jul-23	Oct-24	3,061,320	-	3,061,320					3,061,320
Hatchery Pipeline - Design/ESDC/RI	60077_7017	Aug-13	Sep-18	814,276	608,317	205,959	185,388	15,000	808,561	5,571	
Quabbin Aqueduct & Winsor Station Upgrades - Design/CA/RI	60087_7114	Feb-10	Aug-15	838,039	838,031	8	8		265,569		
Winsor Station Rehab & Improvement - Construction	60088_7115	Jan-20	Jan-22	17,857,700	-	17,857,700				17,857,700	
Shaft 12 Isolation Gates - Construction	60095_7197	Jul-18	Jul-19	2,244,968	-	2,244,968				2,244,968	
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	2,546,777	308,490	2,238,287	2,190,113	48,174	2,546,777		
Winsor Power Station - Final Design/CA/RI	60140_7460	Jan-18	Jan-23	4,350,000	-	4,350,000		400,000	400,000	3,950,000	
Shaft 12 Isolation Gates - Design CA/RI	60141_7509	Mar-17	Jul-20	1,706,312	-	1,706,312	25,000	790,000	815,000	891,312	
601 Sluice Gate Rehabilitation		completed project		9,158,411	9,158,411	-					
604 MetroWest Tunnel				701,189,153	697,046,552	4,142,601	142,598		1,790,641	4,000,000	
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	-					
DEP Permit Fees	60012_6037	Oct-94	Sep-14	58,000	56,178	1,822	1,822		1,822		
Middle Tunnel Segment - CP2	60013_6055	Jun-96	Apr-03	245,809,358	245,809,358	-					
MHD Salt Sheds - CP5	60014_6056	Sep-96	Jun-97	1,313,900	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	-					
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	-					
OCIP	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 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/Easement	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 Rehab - CP6B	60031_6205	Apr-12	Jun-13	5,849,390	5,849,390	-			295,920		
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	-			74,813		

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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 Rehab - 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 Interconnection - Final Design/CA/RI	60066_6911	Sep-05	Sep-14	5,732,364	5,732,364	-			495,154		
Lower Hultman Rehab -CP6A	60073_6975	Sep-09	May-13	52,288,838	52,288,838	-			476,851		
Hultman Interconnection - RI Services	60083_7082	Jan-10	Jan-15	1,870,346	1,870,346	-			144,904		
CP6 Easements	60085_7105	Jan-08	Apr-14	33,094	33,015	79	76		1,040		
CP6A Demolition	60086_7106	Sep-08	Jan-09	57,222	57,222	-					
Valve Chamber & Storage Tank Access Improvements - Design	60109_7283	Jul-18	Mar-23	600,000	-	600,000				600,000	
Shaft 5 Electrical Upgrades	60128_7367	Jan-19	Jan-20	1,000,000	-	1,000,000				1,000,000	
Valve Chsmber & Storage Tank Access Improvements - Const.	60160_7476	Mar-20	Mar-22	2,400,000	-	2,400,000				2,400,000	
Shaft 5A/5 Surface Piping Cathodic Protection	60161_7477	Nov-16	Jun-17	147,000	-	147,000	147,000		147,000		
Hultman Leak Shaft 5A	60162_7507	Mar-16	May-16	153,138	159,438	(6,300)	(6,300)		153,138		
615 Chicopee Valley Aqueduct Redundancy		completed project		8,666,292	8,666,291	-					
616 Quabbin Transmission System				16,418,914	7,456,913	8,962,001	509,621	552,379	1,316,449	7,900,000	
Facilities Inspection	60055_6828	Oct-05	Oct-07	1,005,413	1,005,413	-					
Oakdale High Line Replacement - Construction	60068_6940	Aug-18	Feb-19	500,000	-	500,000				500,000	
Equipment Pre-purchase	60075_7007	Feb-05	Jun-08	534,366	534,366	-					
Oakdale Phase 1A Electrical - Design	60103_7229	Oct-09	Jul-14	775,534	775,534	-			77,651		
Oakdale Phase 1A Electrical - Construction	60104_7230	Apr-12	Jul-13	2,260,002	2,260,001	1			176,798		
Ware River Intake Valve Replacement - Design	60108_7282	Sep-18	Sep-23	300,000	-	300,000				300,000	
Rehab Wachusett Gatehouse/Bastion LGH Geo-Therm - Design	60113_7333	Jul-18	Jun-23	1,000,000	-	1,000,000				1,000,000	
Rehabilitate Oakdale Turbine	60135_7378	May-20	Jan-21	1,000,000	-	1,000,000				1,000,000	
Rehab Wachusett Gatehouse/Bastion LGH Geo-Therm - Const.	60137_7380	Jul-20	Jun-22	4,000,000	-	4,000,000				4,000,000	
Ware Rver Intake Valve Replacement - Construction	60138_7487	Sep-20	Sep-22	900,000	-	900,000				900,000	
CVA Motorized Screens Replacement - Construction	60139_7488	Jan-17	Jul-17	1,062,000	-	1,062,000	509,621	552,379	1,062,000		
Oakdale Turbine Rehab - Design	60201_7545	May-19	Jun-23	200,000	-	200,000				200,000	
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	-					
617 Sudbury/Weston Aqueduct Repairs				6,476,880	1,371,948	5,104,932	1,238,531	158,389	2,108,920	3,248,000	460,012
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-23	Jun-24	460,012	-	460,012					460,012
Sudbury Short-Term Repairs - Phase 2	60110_7317	Jul-23	Jul-24	2,098,000	-	2,098,000				2,098,000	
Ash Street Sluice Gates - Construction	60130_7369	Jun-20	Jun-21	800,000	-	800,000				800,000	
Rosemary Brook Siphon Building Repair	60150_7472	Mar-16	May-17	1,769,794	712,000	1,057,794	1,057,794		1,769,794		
Evaluation of Farm Pond Buildings - Waban Arches	60151_7473	Jul-16	Jul-17	339,126	-	339,126	180,737	158,389	339,126		
Ash Street Sluice Gates - Design	60152_7491	Jun-18	Jan-22	350,000	-	350,000				350,000	
Hazardous Material Sudbury Aqueduct	75486_6617	Apr-99	May-05	265,428	265,428	-					
620 Wachusett Reservoir Spillway Improvements				9,287,460	9,287,460	-					

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621 Watershed Land				24,000,000	19,277,400	4,722,600	1,297,000	1,500,000	4,732,000	1,925,600	
Land Acquisition	60081_7069	Apr-06	Jun-20	24,000,000	19,277,400	4,722,600	1,297,000	1,500,000	4,732,000	1,925,600	
622 Cosgrove Tunnel Redundancy				54,316,250	9,131,536	45,184,714	20,234,812	18,467,899	46,658,805	6,482,003	
Wachusett Aqueduct Pump Station - Design/ESDC/RI	60090_7156	Feb-12	May-20	7,141,983	4,219,757	2,922,226	1,100,000	600,000	4,744,314	1,222,226	
Wachusett Aqueduct Pump Station - Construction	60091_7157	Mar-16	Feb-19	47,159,267	4,905,869	42,253,398	19,134,526	17,866,753	41,907,148	5,252,119	
Permits/Easements	60124_7354	Aug-15	Jun-21	15,000	5,910	9,090	286	1,146	7,342	7,658	
623 Dam Projects				4,066,316	3,115,745	950,571	5		30,568	950,566	
Dam Safety Modifications & Repairs - Construction	60094_7194	Aug-11	Sep-12	2,054,559	2,054,554	5	5		5		
Dam Safety Modifications & Repairs - Design/ESDC	60100_7211	Sep-09	Jun-14	1,060,757	1,060,757	-			30,488		
Quinapoxet Dam Permits	60118_7346	Jul-18	Dec-21	1,000	434	566			75	566	
Quinapoxet Dam Removal- Design/ESDC/RI	60119_7347	Jul-18	Dec-21	200,000	-	200,000				200,000	
Quinapoxet Dam Removal - Construction	60120_7348	Jul-19	Dec-21	750,000	-	750,000				750,000	
625 Metropolitan Tunnel Redundancy				1,357,685,868	3,008,809	1,354,677,059	387,015	20,000	1,749,367	95,972,200	1,258,297,845
Water Transmission Redundancy Plan	60035_6273	Oct-08	Sep-11	1,396,572	1,396,572	-			(1,848)		
Conceptual Design EIR	60092_7159	Mar-18	Mar-20	7,549,990	-	7,549,990				7,549,990	
Tunnel Construction	60107_7291	Mar-23	Mar-35	924,010,917	-	924,010,917				6,372,000	917,638,917
Sudbury Aqueduct - MEPA Review	60122_7352	Oct-12	Jun-17	3,405,107	1,612,237	1,792,870	387,015	20,000	1,751,215	1,385,856	
Construction Management	60126_7356	Jul-21	Jun-35	110,014,140	-	110,014,140				13,751,767	96,262,373
Tops of Shafts Surface Construction	60127_7357	Jul-30	Jun-33	39,049,626	-	39,049,626					39,049,626
Public Relations, Legal & Administration	60170_7516	Jul-18	Jun-34	160,695,877	-	160,695,877				47,706,587	112,989,290
Top of Shafts Rehab - Design/CA/RI	60172_7521	Jul-34	Jul-39	1,186,427	-	1,186,427					1,186,427
Top of Shafts Rehab Construction	60173_7522	Jul-36	Jul-38	4,961,422	-	4,961,422					4,961,422
Final Design/ESDC	60174_7556	Mar-20	Sep-35	99,228,440	-	99,228,440				19,206,000	80,022,440
Shaft 7 Buildings - Design CA/RI	60176_7558	Jun-33	Jan-35	1,237,470	-	1,237,470					1,237,470
Shaft 7 Buildings - Construction	60177_7559	Jan-35	Jun-39	4,949,880	-	4,949,880					4,949,880
628 Metropolitan Redundancy Interim Improvements				180,731,369	503,104	180,228,265	300,229	1,132,000	1,935,333	114,160,543	64,635,494
Tops of Shafts - Design/CA/RI	60200_7560	Apr-18	Apr-21	1,600,000	-	1,600,000				1,600,000	
Tops of Shafts Interim Improvements - Construction	60202_7561	Apr-19	Apr-20	6,114,420	-	6,114,420				6,114,420	
CHEPS Improvement - Construction	60203_7562	Oct-20	Oct-22	18,343,260	-	18,343,260				18,343,260	
WASM/SPSM West Pressure Reducing Valves - Construction	60204_7563	Jan-20	Jan-22	8,152,560	-	8,152,560				8,152,560	
CHEPS Emergency Generator - Construction	60205_7566	Apr-20	Apr-21	8,886,290	-	8,886,290				8,886,290	
Easements/Permits	60206_7573	Jan-18	Jun-27	300,000	-	300,000				250,000	50,000
CHEPS- Design/CA/RI	60207_7574	Sep-18	Sep-23	6,700,000	-	6,700,000				6,695,000	5,000
WASM/SPSM Pressure Reducing Valves - Design/CA/RI	60208_7575	Jul-18	Jan-23	2,100,000	-	2,100,000				2,100,000	
WASM 3 - MEPA - Design/CA/RI	68166_6539	Jul-13	Oct-26	15,482,625	503,104	14,979,521	140,084	500,000	1,143,188	8,330,000	6,009,437
WASM 3 Rehab CP-2	68170_6543	Jul-21	Jun-23	26,491,500	-	26,491,500				23,182,500	3,309,000
WASM 3 Rehab CP-1	68171_6544	Jul-19	Jun-21	19,538,750	-	19,538,750				19,538,750	
WASM 3 Rehab CP-3	68172_6545	Jul-23	Jun-27	40,866,945	-	40,866,945					40,866,945
Section 101/Waltham Section - Construction	68333_7457	Jul-23	Jul-25	12,826,112	-	12,826,112					12,826,112
Section 101/Waltham Section - Deigns CA/RI	68334_7547	Jul-21	Jun-26	3,000,000	-	3,000,000				1,431,000	1,569,000

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Commonwealth Ave Pump Station Improvements - Des/CA/RI	75580_7523	Jan-17	Jul-21	2,765,907	-	2,765,907	160,145	632,000	792,145	1,973,763	
Commonwealth Ave Pump Station Improvements - Construct.	75581_7524	Jan-19	Jan-21	7,563,000	-	7,563,000				7,563,000	
630 Watershed Division Capital Improvements				17,300,000	-	17,300,000		510,000	510,000	16,540,000	250,000
Quabbin Admin Building Rehab - Design CA\RI	60300_7564	Jul-19	Jul-23	2,800,000	-	2,800,000				2,750,000	50,000
Quabbin Admin Building Rehab - Construction	60301_7565	Jul-21	Jul-23	12,000,000	-	12,000,000				11,800,000	200,000
Quabbin Admin Building - Concept Design Report	60302_7569	Oct-17	Oct-18	200,000	-	200,000		50,000	50,000	150,000	
Maintenance Garage/Wash Bay/Storage Building - Construct.	60303_7577	Jan-18	Jun-18	2,300,000	-	2,300,000		460,000	460,000	1,840,000	
Distribution And Pumping				839,543,663	400,906,748	438,636,915	22,335,738	41,766,889	92,305,792	208,132,120	166,402,160
618 Peabody Pipeline Project				12,910,000	-	12,910,000	1,000	1,005,000	1,006,000	11,904,000	
Peabody Pipeline - Construction	60061_6893	Feb-19	Aug-20	9,400,000	-	9,400,000				9,400,000	
Peabody Pipeline - Design/ESDC/REI	60063_6895	Jun-17	Aug-21	3,500,000	-	3,500,000		1,000,000	1,000,000	2,500,000	
Easements	60064_6896	Jun-17	Feb-20	10,000	-	10,000	1,000	5,000	6,000	4,000	
677 Valve Replacement				20,114,541	12,016,378	8,098,163				3,558,280	4,539,878
Construction 1	67559_5126	Nov-95	Nov-96	717,800	717,800	-					
Technical Assistance	67560_5124	Oct-95	May-10	124,607		124,607					
Equipment Purchase	68005_6088	Oct-95	Jun-18	1,111,804	1,111,804	-					
Construction 2	68012_6105	Nov-97	Jul-99	1,356,516	1,356,516	-					
Construction 3	68039_6278	Feb-00	Aug-01	1,337,571	1,337,571	-					
Construction 4	68079_6345	May-02	Oct-03	1,539,911	1,539,911	-					
Construction 5	68080_6346	Mar-04	Jul-05	1,389,006	1,389,006	-					
Construction 6	68126_6435	May-07	Dec-08	1,571,992	1,571,992	-					
Construction 7	68127_6436	Apr-11	Apr-13	2,858,864	2,858,859	5					
Permits	68239_6859	Jan-02	May-10	2,542	2,542	-					
Easements	68240_6860	Jan-02	May-10	5,770	5,770	-					
Construction 8	68300_7195	Jan-21	Jun-23	3,374,232	-	3,374,232				3,036,809	337,423
Construction 9	68307_7236	Jun-25	Jun-28	3,374,232	-	3,374,232					3,374,232
Phase 8 - Design/CA/RI	68330_7417	Jan-19	Jun-24	674,847	-	674,847				521,471	153,376
Phase 9 - Design/CA/RI	68331_7418	Jun-23	Jun-29	674,847	-	674,847					674,847
678 Boston Low Service - Pipe & Valve Rehabilitation		completed project		23,690,863	23,690,863	-					
683 Heath Hill Road Pipe Replacement		completed project		19,358,036	19,358,036	-					
689 James L. Gillis Pump Station		completed project		33,419,007	33,419,008	-					

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692 Northern High Service - Section 27 Improvement				1,133,702	123,646	1,010,056				1,010,055	
Section 27 - Construction	67769_6333	Mar-20	Nov-21	1,009,131	26,581	982,549				982,549	
Easements	68192_6589	Apr-16	Jun-22	22,800	-	22,800				22,800	
Technical Assistance	68211_6712	Oct-99	Jun-22	64,500	59,794	4,706				4,706	
Surveying	68229_6809	Jun-01	Mar-17	37,271	37,271	-					
693 NHS - Revere & Malden Pipeline Improvements				65,372,524	26,954,957	38,417,567	127,336	1,814,584	2,064,137	36,408,981	66,666
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	-					
DI 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	-					
Section 53 Connections - Construction	67790_6335	Jun-20	Jun-22	11,546,958	-	11,546,958				11,546,958	
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	-					
Section 14 Water Pipe Relocation (Malden)	68257_6957	Jul-17	Dec-17	1,270,000	-	1,270,000		1,270,000	1,270,000		
Section 99 Connection - Construction	68258_6958	Aug-20	Aug-22	7,883,271	-	7,883,271				7,883,271	
Easements	68265_6978	Jul-06	Dec-20	30,000	-	30,000	2,222	10,000	12,222	17,778	
Permits	68280_7049	Apr-05	Mar-22	5,000	-	5,000	333	1,250	1,583	3,417	
Section 56 Replacement/Saugus River - Design CA/RI	75545_7454	Apr-18	Oct-22	2,000,000	-	2,000,000				2,000,000	
Sections 53 and 99 Connection -Design/CA/RI	75548_7485	Nov-17	Aug-23	5,207,557	-	5,207,557		533,334	533,334	4,607,557	66,666
Section 56 Replacement - Construction	75549_7486	Apr-20	Oct-21	9,750,000	-	9,750,000				9,750,000	
Section 56 Replacement - Feasibility Study	75565_7500	Dec-15	Jun-17	246,998	122,217	124,781	124,781		246,998		
Section 56 Pipe Demo - Construction	75570_7536	Mar-18	Sep-18	600,000	-	600,000				600,000	
702 New Connecting Mains - Shaft 7 to WASM 3				38,840,699	11,315,807	27,524,892	1,102,515	843,000	2,300,515	21,690,517	3,888,859
Routing Study	67846_5163	Aug-94	Nov-96	397,087	397,087	-					
Watertown MOU	68035_6199	Jun-94	Sep-97	167,000	167,000	-		167,000			
CP1- Design/CA/RI	68110_6383	Sep-98	Jul-11	3,532,814	3,532,814	-					
DP2/4 Meter 120 - Design/CA/RI	68111_6384	Aug-02	Oct-08	1,277,722	1,277,722	-					
CP3, Sections 23, 24, 47 Rehab - Final Design/CA/RI	68112_6385	Jul-16	Jun-22	3,506,868	-	3,506,868	1,096,682	800,000	1,896,682	1,610,186	
CP1 A & B - Easements	68114_6387			16,919	16,919	-					
CP3 - Easements	68115_6388	Jan-18	Dec-18	40,000	-	40,000		20,000	20,000	20,000	
CP5 - Easements	68117_6390	Dec-06	Jan-11	21,659	21,659	-					
CP3, Sections 23, 24, 47 Rehab - Construction	68119_6392	Jul-18	Jun-21	8,083,561	-	8,083,561				8,083,561	
CP5 - Northeast Segment	68121_6394	Aug-09	Nov-11	5,902,607	5,902,606	1			355,000		
CP2 - Clean & Line Sections 59 & 60 - Construction	68174_6548	Jun-22	Jun-24	5,431,859	-	5,431,859				2,036,000	3,395,859
CP2 -Easements	68175_6547	May-17	May-25	33,000	-	33,000	5,833	23,000	28,833	4,167	

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Replacement Section 25, 75 Extension, 59 & 60 - Design CA/RI	68255_6955	Apr-18	Jun-25	3,000,000	-	3,000,000				2,507,000	493,000
Replacement of Section 25 - Construction	68256_6956	Sep-19	Jun-21	2,929,603	-	2,929,603				2,929,603	
Section 75 Extension - Construction	68350_7484	Jun-20	Jun-22	4,500,000	-	4,500,000				4,500,000	
704 Rehab of Other Pump Stations				50,257,852	30,057,852	20,200,000				1,320,834	18,879,166
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	-					
Rehab of 5 Pump Stations	68102_6375	Oct-06	Jun-10	21,847,856	21,847,856	-					
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 Rehab - Evaluation	75582_7525	Jul-19	Jul-21	500,000	-	500,000				500,000	
Pump Station Rehab - Design/CA/RI	75583_7526	Jan-22	Jan-28	3,940,000	-	3,940,000				820,834	3,119,166
Pump Station Rehab - Construction	75584_7527	Jan-25	Jan-27	15,760,000	-	15,760,000					15,760,000
706 NHS-New Connecting Mains from Section 91		completed project		2,360,194	2,360,194	-					
708 Northern Extra High Service - New Pipelines				8,045,232	3,632,119	4,413,113	15,194	40,753	55,947	3,600,166	756,999
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	-					
Sections 34 & 45 - Construction	68162_6522	Jul-20	Dec-23	3,626,666	-	3,626,666				3,000,000	626,666
Public Participation	68176_6554	Jul-15	Dec-20	5,000	-	5,000	667	2,000	2,667	2,333	
Legal	68177_6555	Jul-15	Dec-20	5,000	-	5,000	667	1,500	2,167	2,833	
Technical Assistance	68210_6707	Nov-10	Jan-17	54,000	7,886	46,114	11,705	34,408	46,113		
PLC Equipment Purchases	68215_6749	Dec-99	Dec-00	4,220	4,220	1					
Permits	68281_7050	Nov-10	Jan-17	5,000	-	5,000	2,155	2,845	5,000		
Sections 34 & 45 - Design/CA/RI	75528_7404	Jul-18	Dec-24	725,333	-	725,333				595,000	130,333
712 Cathodic Protection of Distribution Mains				1,703,947	208,121	1,495,826	92,924	57,618	217,750	1,345,284	
Planning Phase I	68002_6058	Apr-95	Dec-97	107,680	107,680	-					
Cathodic Protection Testing & Evaluation Program	68129_6438	Aug-15	Aug-17	217,750	67,208	150,542	92,924	57,618	217,750		
Cathodic Protection at Shafts E & L - Design/CA/RI	68130_6439	Apr-19	Sep-22	814,125	-	814,125				814,125	
Cathodic Protection at Shafts E & L & Section W 16 -Construct.	68131_6440	Jan-19	Jan-20	531,159	-	531,159				531,159	
Technical Assistance	68216_6751	Jan-00	May-09	33,233	33,233	-					

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713 Spot Pond Supply Mains Rehabilitation				66,858,454	63,601,327	3,257,127	1,931,477		4,550,802	1,325,650	
Section 4 Webster Avenue Bridge Pipe Rehab - Design	60114_7334	Oct-13	Mar-17	685,536	543,323	142,213	142,213		685,536		
Section 4 Webster Avenue Bridge Pipe Rehab - Construction	60115_7335	May-15	Dec-16	3,792,313	2,004,799	1,787,514	1,787,514		3,792,313		
Walnut Street Bridge Trusses - Construction	60145_7483	Oct-20	May-22	1,000,000	-	1,000,000				1,000,000	
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)	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)	68108_6381	Jun-02	Jul-06	22,176,813	22,176,813	-					
South (Cambridge/Boston)	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	-					
Walnut Street Bridge Trusses - Design	68209_6697	Oct-18	May-23	325,650	-	325,650				325,650	
Easements - CP5	68225_6784	Jul-14	Jun-20	74,797	73,047	1,750	1,750		72,954		
CA/RI - CP3	68274_7003	Sep-04	Apr-09	924,656	924,656	-					
714 Southern Extra High - Sections 41 & 42		completed project		3,657,244	3,657,244	-					
719 Chestnut Hill Connecting Mains				33,094,496	17,486,675	15,607,821		1,000,000	1,000,000	14,602,301	5,520
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	-					
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	-					
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 Connection - Construction	68267_6982	Jul-20	Dec-22	12,176,301	-	12,176,301				12,176,301	
Chestnut Hill Final Connection - Design/ESDC/REI	68268_6995	Jul-18	Dec-23	2,431,520	-	2,431,520				2,426,000	5,520
Chestnut Hill Gatehouse No. 1 Repair - Construction	75521_7382	Sep-17	Dec-17	1,000,000	-	1,000,000		1,000,000	1,000,000		
720 Warren Cottage Line Rehabilitation		completed project		1,204,821	1,204,821	-					

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721 Southern Spine Distribution Mains				76,280,691	36,683,102	39,597,589	317	76,799	68,569	4,341,713	35,178,761
Sections 21, 43 & 22 - Design	68083_6290	Sep-00	May-13	7,114,815	7,114,815	-			(8,547)		
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	68089_6296	Jun-23	May-28	3,149,374	-	3,149,374					3,149,374
Sections 20 & 58 - Easements	68090_6297	Sep-21	Sep-25	35,070	-	35,070				13,883	21,187
Sections 20 & 58 - Construction	68091_6298	Sep-25	May-27	14,821,102	-	14,821,102					14,821,102
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 North - Construction	68235_6844	Jan-23	Jan-25	18,088,235	-	18,088,235				2,170,588	15,917,647
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	1,192	3,808	317	1,799	2,116	900	793
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 North - Design/ESDC	68298_7120	Jul-20	Jan-26	2,500,000	-	2,500,000				1,231,342	1,268,658
Section 22 North - Facility Plan/EIR	68299_7155	Jan-18	Sep-19	1,000,000	-	1,000,000		75,000	75,000	925,000	
722 NIH Redundancy & Storage				113,120,785	15,344,942	97,775,843	11,569,462	20,708,257	41,648,297	42,516,372	22,981,752
Concept Plan	53454_6954	Feb-06	Aug-10	796,748	796,748	-					
Easements	68093_6306	Jul-17	Jun-20	929,450	-	929,450		500,000	500,000	429,450	
Sections 89 & 29 Redundancy - Design	68252_6906	Mar-11	Aug-20	6,323,235	3,122,848	3,200,387	1,132,213	800,000	4,227,618	1,268,174	
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	-			227,954		
Permits	68278_7047	Jan-10	Dec-18	5,000	150	4,850	2,000	2,850	5,000		
Technical Assistance	68279_7048	Jan-10	Dec-18	18,000	-	18,000	1,250	7,000	8,250	9,750	
West Street Pipe Reading - Construction Phase1A	68282_7066	Jun-14	May-15	1,909,952	1,909,952	-			1,909,952		
Sections 89 & 29 Redundancy - Construction Phase 2	68283_7067	Jun-17	Dec-19	24,500,000	-	24,500,000		4,800,000	4,800,000	19,700,000	
NIH Storage - Construction	68284_7068	Jan-26	Jan-28	19,017,191	-	19,017,191					19,017,191
Sections 89 & 29 Rehab - Design	68294_7116	Oct-17	Apr-24	3,200,000	-	3,200,000		303,001	303,001	2,790,999	106,000
Sections 89 & 29 Rehab - Construction	68295_7117	Jan-20	Jun-22	16,000,000	-	16,000,000				16,000,000	
Gillis Pump Station Improvements	68309_7260	Jul-13	Dec-14	2,178,325	2,177,646	679	678		2,178,324		
Reading/Stoneham Interconnections	68310_7261	Aug-11	Oct-12	3,466,546	3,466,546	-					
NIH Storage - Design	68316_7311	Jan-24	Jan-29	3,858,561	-	3,858,561					3,858,561
Sections 89 & 29 Redundancy - Construction Phase 1B	68317_7471	Jan-16	Mar-18	11,988,197	2,759,471	9,228,727	7,683,321	1,545,406	11,988,197		
Sections 89 & 29 Redundancy - Construction Phase 1C	68318_7478	Jan-17	Sep-18	17,817,999	-	17,817,999	2,750,000	12,750,000	15,500,000	2,317,999	

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723 Northern Low Service Rehabilitation - Section 8				56,888,936	2,320,986	54,567,950	6,934	1,020,800	1,027,734	31,826,500	21,713,716
Easements	68094_6321	Jul-15	Jul-27	80,000	-	80,000	6,667	20,000	26,667	35,500	17,833
Section 8 - Construction	68095_6322	Jul-26	Jul-28	14,740,927	-	14,740,927					14,740,927
Rehab Sections 37 & 46 Chelsea/East Boston - Construction	68262_6962	Jul-25	Jun-27	3,200,000	-	3,200,000					3,200,000
Permits	68263_6977	Jul-05	Jul-27	299,000	284,912	14,088	267	800	1,067	8,000	5,021
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 - Design/CA/RI	68287_7092	Jul-23	Jul-29	2,948,185	-	2,948,185					2,948,185
Rehab Sections 37 & 46 Chelsea/East Boston - Design/CA/RI	75529_7405	Jul-23	Jun-28	801,750	-	801,750					801,750
Section 57 Water & 21/20/19 Sewer Rehab - Design/ESDC/REI	75610_7540	Jul-17	Apr-22	5,783,000	-	5,783,000		1,000,000	1,000,000	4,783,000	
Section 57 Water & 21/20/19 Sewer Rehab - Construction	75611_7541	May-19	Apr-21	25,500,000	-	25,500,000				25,500,000	
Section 50 Pipe Rehab - Construction	75612_7546	Mar-19	Mar-21	1,500,000	-	1,500,000				1,500,000	
725 Hydraulic Model Update		completed project		598,358	598,358	-					
727 SEH Redundancy & Storage				109,409,706	8,943,573	100,466,133	6,287,730	13,454,000	21,928,333	24,050,967	56,673,437
Conceptual Plan/Preliminary Design/Environmental Review	53397_6452	Feb-07	Feb-14	632,519	632,520	-			13,161		
Redundancy Pipeline Phase 1 - Design/CA/RI	53398_6453	Feb-14	Aug-21	7,677,305	2,172,564	5,504,741	1,479,820	1,000,000	4,652,384	3,024,921	
Redundancy Pipeline Section III Phase 1 - Construction	53399_6454	Jul-16	Aug-18	11,795,000	-	11,795,000	4,707,344	6,013,000	10,720,344	1,074,657	
Redundancy/Storage Phase 2 - Final Design/CA/RI	68135_6444	Jan-26	Dec-31	6,192,392	-	6,192,392					6,192,392
University Avenue Water Main	68136_6445	Mar-08	Nov-08	6,137,445	6,137,445	-					
Sections 77 & 88 Rehab - Design	68292_7112	Mar-21	Mar-26	1,425,612	-	1,425,612				714,000	711,612
Sections 77 & 88 Rehab - Construction	68293_7113	Apr-23	Apr-25	5,702,447	-	5,702,447					5,702,447
Easements/Agreements	68305_7226	Jul-14	Jul-27	300,000	-	300,000	20,567	55,000	75,567	204,433	20,000
Permits/Utilities	68306_7227	Aug-08	Jul-27	300,000	1,044	298,956	79,999	100,000	180,877	118,956	
Redundancy/Storage Phase 2 - Construction	68308_7245	Jan-28	Dec-30	30,961,960	-	30,961,960					30,961,960
Phase 3, 2nd Tank - Construction	68311_7262	Jan-33	Dec-35	10,904,189	-	10,904,189					10,904,189
Phase 3, 2nd Tank - Design	68312_7263	Jan-31	Dec-36	2,180,837	-	2,180,837					2,180,837
Redundancy Pipeline Sect 111 - Construction 2	68555_7504	Jul-17	Jun-20	15,200,000	-	15,200,000		4,000,000	4,000,000	11,200,000	
Redundancy Pipeline Sect 111 - Construction 3	68556_7505	Oct-17	Aug-20	10,000,000	-	10,000,000		2,286,000	2,286,000	7,714,000	
730 Weston Aqueduct Supply Mains				80,695,920	79,585,770	1,110,150	986,829	43,319	14,572,622	80,000	
Newton Water Mains - Construction	59774_5034	Apr-95	Oct-96	668,790	668,790	-					
Technical Assistance	59776_5975	Mar-95	Oct-18	186,424	186,424	-					
WASM 4 - Design/CA/RI	67865_5147	Mar-95	Sep-07	5,978,368	5,978,368	-					
WASMs 1 & 2 - Design/CA/RI	68027_6142	Jun-97	Jul-06	5,059,988	5,059,988	-					
Appraisal / Easement	68030_6174	Mar-95	Oct-18	453,000	448,682	4,318	2,318	2,000	118,623		
WASM 1, 2 & 4 - Auburndale	68031_6175	Jun-97	Nov-98	4,001,461	4,001,461	-					
Meter 103 - Construction	68032_6176	Oct-96	Jul-98	61,027	61,027	-					
WASMs 1 & 2 - Newton	68041_6280	Mar-00	Jun-02	9,218,520	9,218,520	-					
WASMs 1 & 2 - Boston	68042_6281	Feb-03	Jun-05	7,038,896	7,038,896	-					
WASMs 2 & 4 - Newton	68069_6312	Apr-98	Mar-01	8,281,877	8,281,877	-					
WASM 4 - Allston & Western Ave. Sewer	68070_6313	Feb-02	Dec-04	17,330,800	17,330,800	-					
Sect 36/WS/Waltham Conn. - Design/CA/RI	68167_6540	Jan-11	May-17	2,017,800	1,884,584	133,216	133,216		832,189		
Section 28, Arlington - CP1	68173_6546	Aug-09	Feb-11	2,303,626	2,303,626	-					
Survey	68245_6870	Dec-01	Oct-25	210,000	88,681	121,319		41,319	41,319	80,000	

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Arlington Pipe Work	68269_6996	Dec-09	May-10	401,035	401,035	-					
WASM3 Section 12 Replacement - Construction	68272_7000	Oct-04	Sep-05	2,113,693	2,113,693	-					
WASM3 Section 12 Replacement - Design	68273_7001	May-04	Aug-06	264,663	264,663	-					
Section 28 - Design/CA/RI	68285_7083	Oct-06	Apr-11	866,688	866,688	-					
Watertown Section Rehab	68301_7222	May-13	Dec-13	2,818,298	2,668,297	150,000	150,000		2,159,526		
Section 36/W11/S 9-A11 Valve	68332_7448	Nov-14	Dec-16	11,420,966	10,719,670	701,295	701,295		11,420,966		
731 Lynnfield Pipeline		completed project		5,625,829	5,625,828	-			(51,694)		
732 Walnut St. & Fisher Hill Pipeline Rehabilitation		completed project		2,717,141	2,717,141	-					
735 Section 80 Rehabilitation				12,184,685	-	12,184,685	214,020	1,702,759	1,916,779	8,550,500	1,717,406
Section 80 Rehab - Construction	68249_6891	Dec-19	Nov-23	8,211,525	-	8,211,525				6,949,000	1,262,525
Section 80 Rehab - Design CS/RI	68250_6892	Jul-18	Jun-25	2,052,881	-	2,052,881				1,600,000	452,881
Section 80 Replacement - Construction	68410_7532	Dec-16	Jun-18	1,910,279	-	1,910,279	212,520	1,697,759	1,910,279		
Permits	68411_7533	Oct-16	Jun-24	10,000	-	10,000	1,500	5,000	6,500	1,500	2,000
Other Waterworks				81,075,907	148,623,547	(67,547,639)	13,099,370	13,489,415	23,479,214	86,053,805	(180,190,230)
753 Central Monitoring System				39,040,066	17,804,950	21,235,116	2,758,647	782,117	5,541,987	5,457,328	12,237,023
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	2,101,110	2,034,833	66,277	66,277		188,695		
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	7,558,903	-	7,558,903	297,880		297,880		7,261,023
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	3,567,917	1,335,490	2,232,427	2,159,653	72,774	3,567,917		
Quabbin Power, Communication & Security - Design	75540_7461	Sep-14	Sep-18	813,905	540,966	272,939	34,534	181,076	756,577	57,328	
Utility Fees and Permits	75541_7475	Jul-14	Dec-17	230,918	2,348	228,570	200,303	28,267	230,918		
CWTP SCADA Upgrade - Design Programming/RE	75630_7581	Nov-17	Feb-18	2,200,000	-	2,200,000		500,000	500,000		1,700,000
CWTP SCADA Upgrade - Construction	75631_7582	Jun-19	Nov-21	2,500,000	-	2,500,000					2,500,000
Other Design and Programming Services	75632_7583	Jul-21	Oct-27	2,880,000	-	2,880,000				480,000	2,400,000
Other Construction	75633_7584	Dec-21	Oct-27	1,776,000	-	1,776,000				400,000	1,376,000
Other Equipment/Hardware	75634_7585	Dec-21	Oct-27	1,520,000	-	1,520,000				320,000	1,200,000
763 Distribution Systems Facilities Mapping				2,298,919	1,036,368	1,262,551				1,262,551	
Planning and Design	75458_5162	Feb-95	Dec-98	936,368	936,368	-					

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Data Purchase	75476_6152	Nov-95	Aug-96	100,000	100,000	-					
Records Development	75484_6525	Oct-19	Jan-20	762,551	-	762,551				762,551	
Update of Record Drawings	75600_7489	Apr-19	Apr-20	500,000	-	500,000				500,000	
764 Local Water Infrastructure Rehabilitation		completed project		7,487,762	7,487,762	-					
765 Local Water Pipeline Assistance Program				-	121,568,086	(121,568,086)	8,682,831	11,714,185	15,105,860	51,224,150	(193,189,253)
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)	(179,105,788)	(43,211,787)	(11,832,783)	(9,153,147)	(66,753,948)	(22,215,596)	(10,261)
Local Water System Assistance Loans	75513_7339	Aug-10	Jun-20	200,000,000	97,711,357	102,288,643	23,045,893	18,000,000	100,188,139	61,242,750	
Local Water System Assistance Repayment	75514_7340	Aug-11	Jun-30	(200,000,000)	(20,721,058)	(179,278,942)	(10,621,779)	(11,304,168)	(39,965,831)	(78,744,502)	(78,608,492)
CVA Loans	75515_7350	Nov-10	Jun-20	10,000,000	2,085,000	7,915,000	1,100,000	1,100,000	2,200,000	5,715,000	
CVA Repayments	75516_7351	Nov-11	Jun-30	(10,000,000)	(719,000)	(9,281,000)	(208,500)	(208,500)	(1,042,500)	(3,273,500)	(5,590,500)
Lead Service Line Replace Loans	75517_7529	Aug-16	May-36	100,000,000	-	100,000,000	7,200,000	5,000,000	12,200,000	25,000,000	62,800,000
Lead Service Line Replace Repayment	75518_7530	Aug-17	May-46	(100,000,000)	-	(100,000,000)		(720,000)	(720,000)	(10,000,000)	(89,280,000)
LWSAP Phase 3 Distributions	75620_7567	Aug-17	May-26	278,000,000	-	278,000,000		8,000,000	8,000,000	90,000,000	180,000,000
LWSAP Phase 3 Repayments	75621_7568	Aug-18	May-36	(278,000,000)	-	(278,000,000)				(20,000,000)	(258,000,000)
LWSAP Phase 3 CVA Loans	75622_7588	Aug-17	May-26	14,000,000	-	14,000,000		1,000,000	1,000,000	5,000,000	8,000,000
LWSAP Phase 3 CVA Repayments	75623_7589	Aug-18	Aug-36	(14,000,000)	-	(14,000,000)				(1,500,000)	(12,500,000)
766 Waterworks Facilities Asset Protection				32,249,160	726,381	31,522,779	1,657,892	993,113	2,831,367	28,109,774	762,000
Meter Vault Manhole Retrofits - Design	75490_6689	Sep-18	Jun-22	423,925	-	423,925				423,925	
Steel Tank Improvements - Design/CA/RI	75497_6832	Jan-18	Mar-22	3,000,000	-	3,000,000		470,000	470,000	2,530,000	
Waltham Bridge Pipe Replacement	75501_6910	Mar-04	Sep-04	237,550	237,550	-					
Permits and Legal Fees	75502_6920	Mar-04	Jun-18	16,340	10,156	6,184	795	5,389	7,184		
Cosgrove/Gillis PS/Cottage Farm CSO Flat Roof Replacement	75505_7022	Sep-17	Mar-19	900,000	-	900,000		450,000	450,000	450,000	
Cosgrove Valve Replacement - Construction	75509_7064	Jul-20	Dec-20	1,898,764	-	1,898,764				1,898,764	
Cosgrove Valve Replacement - Design	75510_7065	Jul-19	Dec-21	223,384	-	223,384				223,384	
Transformer at Cosgrove Intake Building	75511_7228	Jun-11	Jul-12	299,313	299,313	-					
Covered Storage Tank Rehab - Design CA/RI	75524_7385	Jul-19	Jul-24	1,000,000	-	1,000,000				914,000	86,000
Electrical Distribution Upgrades at Southborough	75535_7425	Aug-18	Aug-19	1,500,000	-	1,500,000				1,500,000	
Water Meter Upgrade Replacement	75536_7453	Sep-20	Jun-23	1,000,000	-	1,000,000				1,000,000	
Beacon Street Line Repair - Construction	75537_7458	Jun-16	Apr-17	1,461,116	-	1,461,116	1,451,116	10,000	1,461,116		
Beacon Street Line Repair - Design/CA/RI	75538_7474	Nov-14	Dec-17	443,067	173,845	269,222	211,498	57,724	443,067		
Meter Vault Manhole Retrofits - Construction	75550_7479	Sep-19	Jun-21	1,695,701	-	1,695,701				1,695,701	
Covered Storage Tank Rehab - Construction	75553_7482	Jul-21	Jul-23	4,000,000	-	4,000,000				3,360,000	640,000
Water Meter Upgrade - Design/CA/RI	75554_7542	Sep-18	Jun-24	200,000	-	200,000				164,000	36,000
Steel Tank Improvements - Construction	77552_7493	Mar-19	Mar-21	13,950,000	-	13,950,000				13,950,000	

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Business & Operations Support				131,036,203	92,707,842	38,328,363	6,080,613	7,905,622	29,252,215	24,342,124	
881 Equipment Purchase				29,407,884	18,488,576	10,919,308	2,189,009	2,784,000	11,354,257	5,946,299	
Security Equipment & Installation	92374_6760	Jan-01	Jun-18	11,101,520	8,603,519	2,498,001	257,200	1,805,000	3,998,342	435,801	
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	6,726,412	4,020,603	2,705,809	1,931,809	774,000	6,726,412		
FY19-23 Vehicle Purchases	98457_7309	Jul-18	Jun-23	5,140,000	-	5,140,000				5,140,000	
FY14-18 Major Lab Instrumentation	98458_7310	Jun-16	Mar-20	1,000,000	424,502	575,498		205,000	629,502	370,498	
Front-End Loader	98467_7325	Oct-10	Dec-10	121,221	121,221	-					
925 Technical Assistance				1,150,000	-	1,150,000		383,333	383,333	766,667	
Land Appraisal	77000_LAND			150,000	-	150,000		50,000	50,000	100,000	
Surveying	80000_SURV			100,000	-	100,000		33,333	33,333	66,667	
Hazardous Material	90000_HAZM			900,000	-	900,000		300,000	300,000	600,000	
930 MWRA Facility - Chelsea		completed project		9,812,071	9,813,635	(1,564)	(1,564)		(1,564)		
931 Business Systems Plan		completed project		24,562,604	24,527,709	34,895	34,895		111,374		
932 Environmental Remediation		completed project		1,478,602	1,478,602	-			(200)		
933 Capital Maintenance Planning & Development				15,208,251	12,543,838	2,664,413	714,686	1,370,804	4,505,085	578,924	
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	-			(46,988)		
As-Needed Design Contract 9	98470_7390	Jul-11	Jan-14	1,609,621	1,609,621	-			215,542		
As-Needed Design Contract 10	98471_7391	Aug-11	Feb-14	1,869,994	1,869,994	-			508,594		
As-Needed Design Contract 11	98473_7436	Feb-14	Aug-15	431,584	431,584	-			431,584		
As-Needed Design Contract 12	98474_7437	Jan-14	Jul-16	721,695	730,302	(8,607)	(8,607)		721,695		
As-Needed Design Contract 13	98485_7456	Feb-14	Aug-16	683,439	580,562	102,877	102,877		683,439		
As-Needed Design Contract 14	98487_7496	Jun-16	Jun-18	1,378,986	-	1,378,986	335,320	709,127	1,044,447	334,539	
As-Needed Design Contract 15	98488_7497	Jun-16	Jun-18	1,191,158	-	1,191,158	285,096	661,677	946,773	244,385	

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934 MWRA Facilities Management				2,150,535	370,533	1,780,002				1,780,002	
Design/Engineering Services	92389_6983	Jul-18	Sep-19	150,000	(2)	150,002				150,002	
Facilities Construction	92390_6984	Sep-19	Sep-20	2,000,535	370,535	1,630,000				1,630,000	
935 Alternative Energy Initiatives				23,270,519	17,454,074	5,816,445	768,166	165,324	1,190,760	4,882,950	
Deer Island Solar	19285_6974	Sep-07	May-08	903,714	903,714	-					
DI Wind	92428_6974C	Nov-08	Apr-10	4,063,294	4,063,294	-					
Future DI Wind - Construction (Battery D Location)	92430_7270	Oct-19	Dec-20	4,882,950	-	4,882,950				4,882,950	
Loring Road Hydro - Design	92432_6974E	Mar-08	Sep-09	2,344	2,344	-					
Technical Assistance - Solar	92439_7274	May-09	Nov-12	123,540	123,540	-			(600)		
Energy Advisory Consultant Services	92440_6974B	Jun-08	Jun-10	45,632	45,632	-					
Wind Power Feasibility Study	92441_OP67	Mar-07	Jun-10	346,426	346,426	-					
DI 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	-			169,070		
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	-			22,290		
Technical Assistance - Wind	92446_7274D	May-09	May-13	460,242	460,242	-					
Charlestown Wind - Construction	98450_7302	Feb-10	Oct-11	5,124,506	5,124,502	4					
John J. Carroll WTP Solar - Construction	98452_7304	Jan-10	Aug-11	2,367,287	2,367,287	-					
Loring Road Hydro - Construction	98459_6974F	Jan-10	May-11	1,882,218	1,882,218	-					
DI Wind - Phase II Construction	98463_7321			37,080	37,080	-					
Fish Hatchery Pipeline Hydro	98465_7323	Mar-16	Sep-17	1,000,000	66,510	933,490	768,166	165,324	1,000,000		
940 Application Improvement Program				9,980,394	1,476,397	8,503,997	1,426,343	1,517,396	4,347,012	5,560,259	
GIS Applications & Integration	92420_7251	Jan-14	Jun-18	350,000	22,272	327,728			22,272	327,728	
Lawson Enhancements	92435_7286	Mar-17	Jun-19	1,750,000	-	1,750,000		850,000	850,000	900,000	
Maximo Upgrade	92436_7287	Jul-15	Feb-18	2,625,904	992,166	1,633,738	1,426,343	207,396	2,625,904		
PIMS Enhancements	92437_7288	Jan-17	Sep-18	400,000	-	400,000				400,000	
Enterprise Performance Management Enhancements	92469_7386	Mar-16	Jun-18	200,000	80,900	119,100			7,775	119,100	
Enterprise Content Management	98475_7438	Sep-17	Dec-19	4,000,000	-	4,000,000		460,000	460,000	3,540,000	
Mobile Integrations	98476_7439	Apr-14	Jun-18	300,000	26,569	273,431			26,569	273,431	
LIMS Enhancements	98484_7447	Mar-15	Jun-16	354,490	354,490	-			354,490		
942 Information Security Program (ISP)				2,821,703	1,180,838	1,640,865	477,489	617,790	1,740,927	545,586	
IT Security Infrastructure - Equipment	92434_7285	Sep-11	Jun-14	501,414	501,414	-					
Information Security Protection Infrastructure Upgrade	92500_7499	Jun-16	Jun-19	1,456,292	361,013	1,095,279	477,489	617,790	1,456,292		
Electronic Security Plan Implementation	98477_7440	Sep-17	Jun-19	545,586	-	545,586				545,586	
IT Security Program (ISP) Development	98483_7446	May-13	Jun-14	318,411	318,411	-			284,635		
944 Information Technology Management Program				922,640	-	922,640				922,640	
Service Delivery & Best Practices	92421_7252	Dec-16	Aug-17	110,640	-	110,640				110,640	
IT Project Management Methodology	98472_7408	Jan-17	Jun-19	200,000	-	200,000				200,000	
Software Development Life Cycle (SDLC)	98478_7441	Mar-17	Jun-18	612,000	-	612,000				612,000	

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946 IT Infrastructure Program				10,271,000	5,373,640	4,897,360	471,588	1,066,975	5,621,232	3,358,797	
IT System Architecture	92404_7200	Sep-12	Oct-15	1,009,341	1,009,341	-			546,568		
Net 2020/Net 2020 DITP/Southborough	92405_7201	Mar-11	Jun-19	2,551,659	1,065,716	1,485,943			364,689	1,485,943	
Storage Upgrades	92406_7203	Jul-13	Jun-18	1,333,478	891,532	441,946	188,228	253,718	1,214,313		
Backup Upgrades	92407_7204	Jul-13	Jun-18	701,174	580,658	120,516		120,516	701,174		
Server Management	92408_7205	Oct-13	Jun-18	966,939	266,939	700,000	7,259	692,741	966,939		
Enterprise Application Integration	98480_7443	Jul-14	Jun-19	2,058,409	468,086	1,590,323	276,101		744,187	1,314,222	
E-Mail Upgrades	98481_7444	Jun-16	Jun-18	150,000	8,006	141,994				141,994	
Enterprise Data Management	98482_7445	Jan-14	Jun-19	1,500,000	1,083,362	416,638			1,083,362	416,638	