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

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.

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.

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.

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	3,172,494	1,931,262	1,241,232	55,690	75,387	64,185	73,085	20,211	20,512	19,939	22,511	83,174	351,520
Waterworks System Improvements	3,992,529	1,965,078	2,027,451	40,966	22,705	26,725	60,990	34,114	13,556	13,593	14,882	76,145	227,531
Business & Operations Support	131,461	92,708	38,753	5,507	5,524	4,235	8,795	2,282	2,636	2,682	2,585	10,185	34,246
Total MWRA	7,296,485	3,989,048	3,307,436	102,163	103,616	95,144	142,870	56,607	36,705	36,214	39,978	169,504	613,297
Contingency	195,584		195,584				7,586	2,795	2,299	2,158	2,573	9,825	17,411
Total MWRA w/ Contingency	7,492,069	3,989,048	3,503,020	102,163	103,616	95,144	150,456	59,402	39,004	38,372	42,551	179,329	630,708

Massachusetts Water Resources Authority
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Program/Project/Subphase	Contract No.	Notice To Proceed	Substantial Completion	Total Contract Amount	Payments through FY16	Remaining Balance	FY17	FY18	FY14 - FY18	FY19-FY23	Beyond FY23
Total MWRA				**7,296,484,522**	**3,989,048,179**	**3,307,436,343**	**142,870,027**	**169,503,932**	**613,297,221**	**1,406,312,374**	**1,588,749,993**
Wastewater				**3,172,494,495**	**1,931,262,178**	**1,241,232,317**	**73,084,692**	**83,174,142**	**351,520,357**	**775,726,450**	**309,247,029**
Interception & Pumping				**980,614,986**	**542,626,109**	**437,988,877**	**21,534,912**	**36,712,381**	**80,333,339**	**301,064,667**	**78,676,916**
102 Quincy Pump Facilities	**completed project**			**25,907,202**	**25,907,202**	**-**					
104 Braintree-Weymouth Relief Facilities				**234,492,623**	**227,704,621**	**6,788,001**		**240,899**	**241,588**	**6,547,101**	
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	-					
Braintree-Weymouth 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	-					
Public Relations	10264_6073	Jul-95	Apr-07	-	-	-					
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	-					
Rehabilitation of Section 624 - Design	10452_7193			-	-	-					
Wetlands Replication	10470_7290			25,607	25,606	1			1,262		
Mill Cove Siphon Sluice Gates - Design	10479_7326	Jul-17	Mar-21	788,000	-	788,000		157,599	157,599	630,401	
Mill Cove Sluice Gates - Construction	10480_7327	Mar-19	Mar-20	2,000,000	-	2,000,000				2,000,000	
B/W Improvements - Construction	10493_7366	Dec-19	Dec-21	3,200,000	-	3,200,000				3,200,000	
B/W Improvements - Design/CS/RI	19567_9586	Dec-17	Nov-22	800,000	-	800,000		83,300	83,300	716,700	
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**	**-**					
107 Framingham Extension Relief Sewer	**completed project**			**47,855,986**	**47,855,986**	**-**					

Massachusetts Water Resources Authority
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Program/Project/Subphase	Contract No.	Notice To Proceed	Substantial Completion	Total Contract Amount	Payments through FY16	Remaining Balance	FY17	FY18	FY14 - FY18	FY19-FY23	Beyond FY23
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				**27,879,417**	**3,372,834**	**24,506,583**	**535,216**	**1,092,705**	**1,999,351**	**22,878,662**	
Planning/Study	10279_6137	Jan-97	Dec-98	587,422	587,422	-					
Land Acquisition	10323_6549	Aug-02	Jun-05	11,831	11,831	-			8,491		
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	536,310	362,939	173,371	173,371		536,310		
NI Mechanical & Electrical Upgrades - Construction	10496_7495	Mar-19	Jun-21	6,053,936	-	6,053,936				6,053,936	
NI Odor Control & HVAC Improvements - Design/CA/REI	10497_7517	Feb-17	Aug-21	2,750,000	-	2,750,000	361,845	868,419	1,230,264	1,519,736	
NI Odor Control & HVAC Improvements - Construction Phase 2	10498_7548	Dec-18	Dec-20	10,000,000	-	10,000,000				10,000,000	
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	
137 Wastewater Central Monitoring				**27,482,036**	**19,782,036**	**7,700,000**		**360,000**	**359,835**	**3,050,000**	**4,290,000**
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	-					
Wastewater SCADA/PLC Upgrades	10356_6656	Oct-17	Oct-32	7,000,000	-	7,000,000		360,000	360,000	2,350,000	4,290,000
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	

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Program/Project/Subphase	Contract No.	Notice To Proceed	Substantial Completion	Total Contract Amount	Payments through FY16	Remaining Balance	FY17	FY18	FY14 - FY18	FY19-FY23	Beyond FY23
139 South System Relief				**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 HLS - Evaluation	10318_6519	Sep-98	Oct-99	215,140	215,140	-					
Outfall 023 - Design	10345_6595	Jun-99	Sep-99	509	509	-					
Outfall 023 - Cleaning	10346_6596	Apr-00	Nov-00	1,097,526	1,097,526	-					
Land Acquisition/Easements	10347_6605	Apr-99	Apr-05	5,053	5,053	-					
Sections 70 & 71 HLS - Construction	10349_6611	Jun-99	Oct-99	417,021	417,021	-					
Milton Financial Assistance	10350_6616	Oct-99	Jun-00	1,487,868	1,487,868	-					
Outfall 023 - Structural Improvements	10386_6801	Jan-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**			**296,588**	**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 Design & Construction - N. System	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**		**512,500**	**512,500**	**8,187,500**	**14,600,000**
Planning / Study / Design	10371_6739	Jul-17	Oct-20	2,700,000	-	2,700,000		512,500	512,500	2,187,500	
Equipment Purchase & Installation	10379_6793	Nov-03	Jun-08	5,137,912	5,137,912	-					
Permanent Site Improvements - Construction	10411_6929	Mar-19	Apr-20	2,000,000	-	2,000,000				2,000,000	
Wastewater Metering Asset Protection Equipment Purchases	10451_7191	Apr-19	Apr-30	18,600,000	-	18,600,000				4,000,000	14,600,000
143 Regional I/I Management Planning	**completed project**			**168,987**	**168,987**	**-**					
145 Facility Asset Protection				**391,259,249**	**38,670,485**	**352,588,764**	**20,999,697**	**34,506,277**	**76,923,477**	**241,014,897**	**56,067,893**
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	12,613,000	-	12,613,000	6,818,032	5,794,968	12,613,000		
Rehab of Section 93A Lexington	10383_6798	Jul-03	Apr-04	1,565,742	1,565,742	-					
Chelsea Creek Upgrades - REI	10387_6802	Oct-16	Jan-21	3,632,829	-	3,632,829	419,172	838,345	1,257,517	2,375,312	
Technical Assistance	10392_6829	Jul-02	Mar-22	83,688	83,688	-			35,803		
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	12,856	12,856	-			3,945		
Remote Headworks Concept Plan	10399_6886	May-08	Sep-09	670,436	670,436	-					
Cambridge Branch 1, Sections 26 & 27 -Construction	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)		
93A 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 - Final Design/CA/REI	10428_7034	Mar-12	May-19	1,813,026	1,030,539	782,487	243,698	248,672	898,474	290,117	
Caruso Pump Station Improvements - Design/CA/REI	10431_7037	Aug-12	Jun-17	865,096	528,118	336,978	163,822	138,526	607,025	34,630	
Land/Easements	10440_7073	Jul-03	Jun-10	103,386	103,386	-					
Nut Island Headworks Fire Alarm/Wire Conduit	10444_7144	Jun-09	Dec-09	285,391	285,391	-					

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Program/Project/Subphase	Contract No.	Notice To Proceed	Substantial Completion	Total Contract Amount	Payments through FY16	Remaining Balance	FY17	FY18	FY14 - FY18	FY19-FY23	Beyond FY23
Chelsea Creek Headworks Upgrades - Construction	10445_7161	Nov-16	Nov-20	72,859,000	-	72,859,000	4,553,687	18,214,750	22,768,437	50,090,563	
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	Jun-19	1,156,116	249,743	906,373	258,774	287,822	796,338	359,777	
Interceptor Renewal 1, Reading Extension - Construction	10448_7164	Mar-17	Jun-18	4,425,581	-	4,425,581	276,599	3,319,186	3,595,785	829,796	
Chelsea Creek Headworks Upgrades - Design/CA	10455_7206	Jul-10	Jun-21	8,786,831	5,480,852	3,305,979	544,438	649,775	4,383,852	2,111,766	
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	Jul-17	Jul-18	500,000	-	500,000		375,000	375,000	125,000	
Interceptor Renewal 3, Dorchester Interceptor Sewer-Construct.	10467_7279	Jan-19	Jan-21	4,146,152	-	4,146,152				4,146,152	
Cambridge Branch 2 Everett Sections 23, 24 - Construction	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 Elecrical & Grit/Sreenings Conveyance System - Design/CA/RI	10477_7312	Mar-11	May-16	1,249,477	1,232,802	16,675	16,675		626,326		
NI Electrical & Grit/Sreenings Conveyance System - Construction	10478_7313	Jul-13	May-15	5,192,243	5,192,243	-			5,192,243		
Interceptor Renewal No. 5 - Milton Sections 607, 608, 609, 610	10481_7328	Oct-19	Oct-21	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 & Stop-Log Replacement	10484_7344	Jul-11	Nov-11	366,848	366,848	-					
Prison Point Rehab - Design/CA/RI	10486_7359	Jul-16	Jul-21	2,838,370	-	2,838,370	459,757	559,674	1,019,431	1,818,939	
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	Mar-17	4,484,597	578,884	3,905,713	3,905,712		4,484,597		
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 1 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
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	Jan-17	Jun-18	1,831,878	-	1,831,878	407,084	1,323,023	1,730,107	101,771	
Columbus Park & Ward Street Headworks - Design/CA/REI	10510_7429	Jul-18	Jan-26	10,510,532	-	10,510,532				6,583,519	3,927,013
Columbus Park & Ward Street Headworks - Construction	10511_7430	Aug-20	Jan-25	103,064,440	-	103,064,440				62,227,586	40,836,854
Chelsea Screenhouse Upgrades	10512_7431	Aug-15	Sep-16	5,036,570	3,373,670	1,662,900	1,662,901		5,036,571		
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	May-17	466,200	-	466,200	466,200		466,200		
Prison Point Rehab - Construction	10519_7462	Jul-18	Jul-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	391,597	169,457	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 Headworks - Caruso Pump Station - Utilities	10523_7510	Jul-16	Jun-17	32,000	-	32,000	26,714	5,286	32,000		
Cambridge Branch 23, 24, 25, 25.5, 26, 27 - Study	10524_7511	Oct-16	Mar-18	686,954	-	686,954	228,984	457,970	686,954		
Interceptor Renewal 3 Dorchester Interceptor Sewer - Des/CA/RI	10525_7512	Jan-17	Jan-22	1,000,000	-	1,000,000	50,000	200,000	250,000	750,000	
Cambridge Branch 2 Everett 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 Sections 12, 14, 15, 62 - Design CA/R	10527_7514	Mar-19	Mar-24	2,200,000	-	2,200,000				1,796,667	403,333
Interceptor Renewal 5 Milton Sect. 607, 609, 610 - Des/CA/REI	10528_7515	Oct-17	Oct-22	2,000,000	-	2,000,000		200,000	200,000	1,800,000	
Quincy & Hingham Pump Stations Fuel Storage Upgrades - Const.	10529_7534	Jan-17	Sep-17	580,095	-	580,095	193,365	386,730	580,095		
Headworks Effluent Shaft Rehab - Design/CA/REI	10530_7549	Jan-19	Jul-22	2,038,140	-	2,038,140				2,038,140	
Headworks Effluent Shaft Rehab - Construction	10531_7550	Jul-20	Jul-21	10,190,700	-	10,190,700				10,190,700	
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 at Various Facilities - Design	10534_7553	Jul-17	Jul-21	1,528,605	-	1,528,605		286,614	286,614	1,241,991	
Fuel Oil Tank Replacement at Various Facilities - Const. Phase 1	10535_7554	Jul-18	Jul-20	3,566,745	-	3,566,745				3,566,745	
Fuel Oil Tank Replacement at Various Facilities - Const. Phase 2	10536_7555	Jan-19	Jul-20	2,547,675	-	2,547,675				2,547,675	

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146 Deer Island Cross Harbor Tunnels				**5,000,000**	**-**	**5,000,000**				**5,000,000**	
Tunnel Inspection and Condition Assessment	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	
Treatment				**871,835,505**	**266,822,001**	**605,013,504**	**22,468,263**	**24,369,942**	**128,937,436**	**399,025,752**	**159,149,545**
182 Deer Island Primary and Secondary Treatment	**completed project**			**(957,878)**	**(957,878)**	**-**					
200 Deer Island Plant Optimization	**completed project**			**33,278,598**	**33,278,598**	**-**			**(148,080)**		
Ancillary Modifications - Design 1	18212_6364	Jun-99	May-07	2,055,252	2,055,252	-				-	-
As-needed Design - Phase 1	19154_6233	Jul-98	May-03	1,121,573	1,121,573	-				-	-
Plumbing - Construction	19156_6235	Apr-96	Apr-98	110,410	110,410	-				-	-
Supplementary Modification Package #1	19170_6369	Jun-99	Mar-00	488,200	488,200	-				-	-
Ancillary Modifications - Construct 1	19183_6499	Jul-04	Mar-06	9,973,337	9,973,337	-				-	-
Ancillary Modifications-Construct 2-1	19186_6536	Aug-01	Jun-03	3,094,506	3,094,506	-				-	-
Ancillary Modifications-Construct 3-1	19187_6537	Nov-03	Nov-04	3,387,070	3,387,070	-				-	-
Ancillary Modifications-Des/REI 2-1	19189_6590	Aug-01	Jun-03	583,549	583,549	-				-	-
Ancillary Modifications - Design 3-1	19190_6591	Feb-01	Nov-05	940,723	940,723	-				-	-
Digester Storage Tank - Repair	19206_6673	Aug-97	Oct-97	274,838	274,838	-				-	-
As-needed Design Phase 4-1	19211_6698	Mar-05	Sep-07	1,123,892	1,123,892	-					
As-needed Design Phase 4-2	19212_6699	Mar-05	Sep-08	1,000,860	1,000,860	-			(148,080)		
Plumbing/Mechanical Services	19213_6700			-	-	-					
As-needed Design Phase 3-1	19214_6701	Apr-03	May-05	795,990	795,990	-					
As-needed Design Phase 2-1	19215_6702	Oct-00	Jan-03	759,515	759,515	-					
Ancillary Modifications Const. 3-2	19216_6703			-	-	-					
Polymer Area - Construction	19219_6720			-	-	-					
Ancillary Modifications - Const. 2-2	19232_6744	May-05	Oct-07	5,387,275	5,387,275	-					
As-needed Design Phase 2-2	19234_6753	Oct-00	Jan-03	695,201	695,201	-					
Ancillary Modific Design2-2/REI/ESDC	19240_6768	Jun-04	Oct-07	577,219	577,219	-					
CEMS Modifications	19242_6794			-	-	-					
As-needed Design Phase 3-2	19257_6874	Mar-03	Mar-05	624,664	624,664	-					
BHP Site Completion	19286_6201	Oct-98	Dec-04	284,524	284,524	-					
206 Deer Island Treatment Plant Asset Protection				**814,867,853**	**224,644,166**	**590,223,687**	**16,023,274**	**22,449,334**	**115,616,197**	**393,198,504**	**158,552,574**
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	-					
Demineralizer Construction	19177_6423	Jul-00	Dec-00	50,527	50,527	-					
Odor Control Rehab - Construction	19188_6538	Nov-21	Nov-25	30,570,656	-	30,570,656				8,916,441	21,654,214
Odor Control Rehab - REI	19191_6592	Nov-21	Feb-26	3,774,995	-	3,774,995				1,036,273	2,738,722
Equipment Condition Monitoring	19193_6594	May-04	Jan-05	1,776,946	1,776,946	-					
NMPS and WTF Valve & Piping Replacement - ESDC/REI	19194_6598	Dec-14	Oct-18	2,349,946	871,172	1,478,774	654,675	799,099	2,324,946	25,000	
Expansion Joint Repairs - Design	19204_6668	Apr-99	Oct-04	149,421	149,421	-					
Expansion Joint Repairs - Construction 1	19205_6669	Aug-02	Nov-03	304,726	304,726	-					
Expansion Joint Repairs - Construction 2	19217_6704	Aug-12	Feb-14	1,893,500	1,893,500	-			1,207,968		

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Expansion Joint Repairs - Construction 3	19218_6705	Oct-17	Oct-19	2,013,786	-	2,013,786		447,508	447,508	1,566,278	
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 - 1	19222_6723	Jul-17	Jan-21	671,262	-	671,262		251,723	251,723	419,539	
Eastern Seawall Construction - 1	19223_6724	Jan-19	Jan-20	3,915,695	-	3,915,695				3,915,695	
Rip-rap Material DITP	19226_6727	Mar-17	Nov-17	310,000	-	310,000	137,777	172,223	310,000		
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	Dec-18	Jun-26	6,000,000	-	6,000,000				4,187,500	1,812,500
Roof Replacement - Phase I	19230_S464	Mar-09	Mar-10	2,749,941	2,749,941	-					
Drive Chain Replacement	19231_6742	Oct-01	Jul-03	264,000	264,000	-					
Busduct Replacement (2+22)	19236_6763	Jan-01	Oct-01	195,500	195,500	-					
Reline Hypochlorite Tanks 1 & 3	19237_6764	May-07	Nov-07	1,691,095	1,691,095	-					
CTG Modifications	19238_6765	Mar-01	May-02	482,339	482,339	-					
Electrical Equipment Upgrades - 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	2,591,100	502,522	2,088,578	1,740,357	348,221	2,591,100		
Co-Digestion Design/Build	19247_6822	Aug-21	Feb-23	5,000,000	-	5,000,000				5,000,000	
Reline Hypochlorite Tanks 2 & 4	19250_6849	Apr-08	Oct-08	2,241,692	2,241,692	-					
Chemical Pipe Replacement - Design	19252_6851	Jun-20	Dec-23	650,994	-	650,994				501,808	149,186
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	-					
WTF VFD Replacement - Construction	19258_6875	Jun-16	Mar-20	11,945,000	-	11,945,000	1,029,056	3,085,333	4,114,389	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	3,232,191	3,014,426	217,765	217,765		2,299,740		
Cathodic Protection - Design/ESDC	19263_6880	Feb-17	Aug-22	1,000,000	-	1,000,000	26,316	315,789	342,105	657,895	
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	56,786,629	56,786,629	-					
Electrical Equipment Upgrades - Construction 4	19270_6901	May-13	May-16	7,871,148	7,193,782	677,365	677,365		7,871,147		
NMPS VFD Replacement - Design/ESDC	19271_6902	Dec-07	Apr-12	1,275,969	1,275,969	-					
NMPS VFD Replacement - Construction	19272_6903	Dec-11	Mar-16	24,453,703	24,644,179	(190,475)	(190,475)		17,907,640		
Fire Alarm System Replacement - Design	19273_6904	Dec-15	Jan-23	2,078,771	172,651	1,906,120	533,079	309,204	1,014,934	1,063,837	
Combined Heat & Power Alternatives Study	19274_6963	Jan-17	Jan-18	675,000	-	675,000	168,750	506,250	675,000		
Combined Heat & Power - Construction	19275_6964	Jun-21	Jun-25	83,000,000	-	83,000,000				32,854,167	50,145,833
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	-					
NMPS 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	Jul-18	Jan-22	20,000,000	-	20,000,000				20,000,000	
Digester & Storage Tank Rehab - Design/ESDC	19290_7052	Apr-18	Apr-25	3,000,000	-	3,000,000				2,433,672	566,328

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Digester & Storage Tank Rehab - REI	19291_7053	Oct-20	Jul-24	2,000,000	-	2,000,000				1,200,000	800,000
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	Feb-19	Aug-21	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	Oct-17	Oct-20	8,000,000	-	8,000,000		666,666	666,666	7,333,334	
Power Consultant Recommnedations - Design	19298_7060	Jan-06	Jul-09	2,097,404	2,097,404	-					
Power System Improvements - Construction	19299_7061	Jan-09	May-17	10,177,407	6,964,878	3,212,529	2,425,463	787,067	4,754,750		
NMPS 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)		207,592		
Odor Control Rehab - Design/ESDC	19303_7088	May-19	Nov-26	4,640,050	-	4,640,050				2,996,698	1,643,352
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	Apr-17	Nov-20	2,000,000	-	2,000,000		418,604	418,604	1,581,396	
HVAC Equipment Replacement - Design/ESDC	19309_7111	Mar-14	Oct-20	1,981,441	1,195,543	785,898	401	127,888	1,323,832	657,609	
HVAC Equipment Replacement - Construction	19310_7110	Apr-17	Aug-20	29,500,000	-	29,500,000		4,978,125	4,978,125	24,521,875	
Deer Island 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	May-17	Nov-18	750,000	-	750,000		458,333	458,333	291,667	
Digester Sludge Pump Replacement - Construction	19313_7123	Oct-09	Dec-14	1,873,723	1,873,723	-			367,219		
Electrical Equipment Upgrades - Phase 5	19314_7124	Dec-19	Dec-23	23,161,875	-	23,161,875				14,283,156	8,878,719
Future SSPS VFD Replacements - Design	19316_7126	Jan-18	Jul-23	4,800,000	-	4,800,000		171,429	171,429	2,211,544	2,417,027
Future SSPS VFD Replacements - Construction	19317_7127	Jul-19	Jul-22	19,200,000	-	19,200,000				19,200,000	
Future NMPS VFD Replacements - Design	19318_7128	Jun-24	Dec-31	4,420,000	-	4,420,000					4,420,000
Future NMPS VFD Replacements - Construction	19319_7129	Dec-26	Dec-30	17,680,000	-	17,680,000					17,680,000
Future Miscellaneous VFD Replacements - Construction	19321_7131	May-17	May-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				2,790,000	1,710,000
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-18	Jun-23	4,160,000	-	4,160,000				4,122,181	37,819
DI Centrifuge Replacements - Construction	19328_7138	Jun-20	Jun-22	16,640,000	-	16,640,000				16,640,000	
Cryogenics Plant Equipment Replacement - Design	19329_7139	Dec-18	Dec-23	1,600,000	-	1,600,000				1,600,000	
Cryogenics Plant Equipment Replacement - Construction	19330_7140	Dec-20	Dec-22	5,300,000	-	5,300,000				5,300,000	
Future Sodium Hypochlorite Tank Rehab	19332_7142	Jul-22	Jul-26	10,000,000	-	10,000,000				1,250,000	8,750,000
Fixed Gas Protection Systems Replacement	19333_7167	Nov-17	Nov-19	2,000,000	-	2,000,000		166,667	166,667	1,833,333	
Barge Berth and Facility Replacement	19334_7168	Dec-16	Jun-19	2,264,750	-	2,264,750	850,000	100,000	950,000	1,314,750	
South Systm Pump Station Lube System Replacement	19335_7169	Jun-18	Jun-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 Replacement	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	17,489,692	8,779,325	8,710,367	5,211,549	3,498,819	17,489,692		
Digester & Storage Tank Rehab - Construction	19345_7373	Oct-20	Apr-24	30,000,000	-	30,000,000				19,285,713	10,714,287
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	Jan-23	2,280,517	535,950	1,744,567	390,367	64,635	990,952	1,289,565	
Clarifier Rehab Phase 2 - Construction	19348_7395	Apr-18	Jan-22	80,000,000	-	80,000,000				80,000,000	
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	Apr-18	Apr-22	2,500,000	-	2,500,000		468,750	468,750	2,031,250	
Cryogenics Chillers Replacement	19352_7398	Oct-14	Oct-16	3,235,800	2,358,527	877,273	877,273		3,235,800		
As-Needed Design 7-1	19353_7399	Oct-12	Oct-15	1,547,446	1,547,445	-			1,095,113		

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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	1,628,631	1,628,631	-			1,628,631		
NMPS Harmonic Filter Replacement	19557_7414	May-18	May-20	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	764,918	671,834	93,084	93,084		764,918		
NMPS Motor Control Center Phase 2 - Dsesign/ESDC/REI	19560_7419	Feb-17	Jan-23	2,500,000	-	2,500,000	50,000	600,000	650,000	1,850,000	
NMPS Motor Control Center Phase 2 - Construction	19561_7420	Apr-19	Jan-22	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	Jul-18	Apr-22	1,800,000	-	1,800,000				1,800,000	
Gravity Thickener Center Column Replacement	19564_7427	Jan-13	Jan-14	825,457	825,457	-			537,657		
Gravity Thickener Rehabilitation	19565_7428	Apr-18	Apr-21	14,500,000	-	14,500,000				14,500,000	
As-Needed Design 7-3	19566_7434	Oct-12	Apr-16	895,799	885,637	10,162	10,162		841,007		
As-Needed Design 8-1	19600_7501	Jul-16	Jul-19	1,400,000	-	1,400,000	249,999	466,667	716,666	683,334	
As-Needed Design 8-2	19601_7502	Jul-16	Jul-19	1,400,000	-	1,400,000	392,999	323,667	716,666	683,334	
As-Needed Design 8-3	19602_7503	Jul-16	Jul-19	1,400,000	-	1,400,000	299,999	416,667	716,666	683,334	
Co-Digestion Temporary Facilities	26073_7148	Sep-13	Sep-22	2,300,000	433,832	1,866,168			433,832	1,866,168	
Sodium Hypochlorite & Bisulfite Tanks Rehab.	40256_7449	Jun-17	Jun-19	5,000,000	-	5,000,000		2,000,000	2,000,000	3,000,000	
210 Clinton Wastewater Treatment Plant				**22,419,257**	**7,629,442**	**14,789,815**	**6,444,989**	**1,920,608**	**13,469,319**	**5,827,248**	**596,971**
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	3,441,094	3,417,382	23,712	23,712		3,352,494		
Clinton Aeration Effciency Improvement	19342_7278	Apr-12	Feb-13	1,864,562	1,864,561	-			(12,283)		
Valves & Screw Pumps Replacement	19344_7372	Sep-17	Dec-18	1,500,000	-	1,500,000		400,000	400,000	1,100,000	
Phosphorus Reduction - Design/ESDC	19350_7377	Nov-13	Sep-18	1,395,284	508,956	886,329	301,909	117,000	927,865	467,420	
Phosphorus Reduction - Construction	19400_7411	Mar-16	Sep-17	7,476,256	882,505	6,593,751	5,797,375	796,376	7,476,256		
Clinton Roofing Rehab	19405_7450	Mar-17	Nov-18	1,214,462	-	1,214,462	227,712	607,232	834,944	379,519	
Clinton Facilities Rehab	19406_7451	Sep-18	Sep-23	4,477,280	-	4,477,280				3,880,309	596,971
NGRID Gas Line	19407_7528	Apr-16	Jun-16	490,043	395,762	94,281	94,281		490,043		
211 Laboratory Services	**completed project**			**2,227,674**	**2,227,674**	**-**					

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Program/Project/Subphase	Contract No.	Notice To Proceed	Substantial Completion	Total Contract Amount	Payments through FY16	Remaining Balance	FY17	FY18	FY14 - FY18	FY19-FY23	Beyond FY23
Residuals				**167,642,622**	**64,642,623**	**103,000,000**		**2,835,243**	**2,942,050**	**17,873,091**	**82,291,666**
261 Residuals	**completed project**			**63,810,848**	**63,810,848**	**-**					
271 Residuals Asset Protection				**103,831,775**	**831,775**	**103,000,000**		**2,835,243**	**2,942,050**	**17,873,091**	**82,291,666**
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	Mar-18	Dec-23	2,000,000	-	2,000,000				1,791,667	208,333
Residuals Facility Upgrades - Construction	26071_7146	Jun-17	Jun-20	2,590,000	-	2,590,000		604,333	604,333	1,985,667	
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				3,250,000	11,750,000
Residuals Phase 2 - Construction	26075_7150	Jan-23	Jan-30	75,000,000	-	75,000,000				5,000,000	70,000,000
Sludge Tank & Silo Coating	26076_7151	May-17	Apr-18	730,000	-	730,000		530,909	530,909	199,091	
Electrical Improvements	26077_7152	May-17	May-18	1,930,000	-	1,930,000		804,167	804,167	1,125,833	
Mechanical Improvements	26078_7153	May-17	May-18	1,750,000	-	1,750,000		729,167	729,167	1,020,833	
Pellet Conveyance Piping Relocation	26079_7173	Dec-17	Jun-19	3,000,000	-	3,000,000		166,667	166,667	2,833,333	
CSO				**909,535,519**	**893,499,645**	**16,035,874**	**10,243,877**	**209,250**	**66,246,446**	**5,582,744**	
CSO MWRA Managed				**433,555,016**	**433,388,865**	**166,152**	**166,150**		**3,676,538**		
339 North Dorchester Bay	**completed project**			**221,509,794**	**221,509,793**				**(110,812)**		
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				**4,444,927**	**4,278,777**	**166,150**	**166,150**		**3,796,182**		
Design	32722_6952	Mar-12	Oct-16	1,641,643	1,475,493	166,150	166,150		992,898		
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**	**-**					

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CSO Community Managed				**424,332,383**	**411,907,555**	**12,424,828**	**8,667,068**		**62,111,187**	**3,757,757**	
340 Dorchester Bay Sewer Separation (Fox Point)	**completed project**			**54,625,590**	**54,625,590**	**-**			**473,295**		
341 Dorchester Bay Sew Separation (Commercial Point)				**64,173,625**	**60,542,452**	**3,631,173**	**(126,584)**		**(731,282)**	**3,757,757**	
Design	32650_6154	Jun-96	Dec-16	17,692,322	16,813,378	878,944	(126,584)		49,059	1,005,528	
Construction	32665_6248	Apr-99	Dec-16	46,481,303	43,729,074	2,752,229			(780,341)	2,752,229	
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**			**44,246,462**	**44,246,463**	**-**			**48,079**		
346 Cambridge Sewer Separation				**104,448,064**	**95,869,484**	**8,578,580**	**8,578,580**		**53,963,860**		
Design/CS/RI	32654_6161	Jan-97	Dec-17	33,843,970	31,345,893	2,498,077	2,498,077		12,608,622		
Construction	32672_6255	Jul-98	Jun-17	70,604,094	64,523,591	6,080,503	6,080,503		41,355,238		
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**			**11,917,090**	**11,917,089**	**-**			**(89,618)**		
358 Morrissey Boulevard Drain				**32,185,790**	**32,188,262**	**(2,472)**	**(2,473)**		**(160,999)**		
Design	32735_7015	Jun-05	Jun-13	3,864,949	3,867,422	(2,473)	(2,473)		(161,193)		
Construction	32713_6696	Dec-06	Jun-09	28,320,841	28,320,840	1			194		
359 Reserved Channel Sewer Separation				**70,613,021**	**70,395,477**	**217,545**	**217,545**		**10,573,120**		
Design	32734_7014	Jul-06	Jun-16	15,257,775	14,386,634	871,141	871,141		2,626,418		
Construction	32727_6994	May-09	Dec-15	55,355,246	56,008,843	(653,596)	(653,596)		7,946,702		
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)**		

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Program/Project/Subphase	Contract No.	Notice To Proceed	Substantial Completion	Total Contract Amount	Payments through FY16	Remaining Balance	FY17	FY18	FY14 - FY18	FY19-FY23	Beyond FY23
324 CSO Support				**51,648,120**	**48,203,225**	**3,444,896**	**1,410,659**	**209,250**	**458,721**	**1,824,987**	
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	1,933,448	528,932	1,404,516		100,000	100,000	1,304,516	
Land Acquisition/Easement	32658_6169	Jul-96	Sep-21	12,875,388	12,835,008	40,380	10,659	9,250	42,442	20,471	
System Assessment	32691_6372	May-97	Dec-20	668,637	68,637	600,000		100,000	100,000	500,000	
Somerville Marginal In-System Storage	32748_7539	Nov-16	Jun-18	1,400,000	-	1,400,000	1,400,000		1,400,000		
Other Wastewater				**242,865,861**	**163,671,801**	**79,194,061**	**18,837,640**	**19,047,325**	**73,061,085**	**52,180,196**	**(10,871,098)**
128 I/I Local Financial Assistance				**242,584,985**	**163,390,925**	**79,194,061**	**18,837,640**	**19,047,325**	**73,061,085**	**52,180,196**	**(10,871,098)**
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	18,000,000	-					
Phase V - Loans	10408_6926	Aug-04	May-12	22,000,000	22,000,000	-					
Phase V - Repayments	10409_6927	Aug-05	May-17	(22,000,000)	(21,619,242)	(380,758)	(380,758)		(3,143,568)		
Phase VI - Grants	10441_7107	Nov-06	Jun-21	18,000,000	17,194,117	805,883	180,000	625,884	3,436,468		
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)	(1,711,403)	(1,375,913)	(10,680,171)	(2,262,738)	
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)	(3,077,162)	(3,012,162)	(12,056,460)	(9,150,919)	(792,621)
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	7,317,025	
Phase IX Repayments	10562_7466	Jul-15	Jun-31	(20,000,000)	(543,098)	(19,456,903)	(560,286)	(982,751)	(2,086,134)	(8,570,234)	(9,343,632)
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 Repayments	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				**3,992,529,303**	**1,965,078,162**	**2,027,451,141**	**60,990,433**	**76,144,505**	**227,530,696**	**610,813,229**	**1,279,502,964**
Drinking Water Quality Improvements				**665,999,644**	**644,945,565**	**21,054,079**	**1,578,356**	**3,961,845**	**55,278,215**	**5,096,869**	**10,417,007**
542 Carroll Water Treatment Plant				**438,984,378**	**418,815,184**	**20,169,194**	**922,827**	**3,732,492**	**12,261,977**	**5,096,869**	**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	72,108	72,108	-					
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	53426_6650	Aug-15	Apr-19	7,044,004	3,073,274	3,970,730	657,980	2,905,688	6,636,942	407,062	
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		200,000	199,589	754,807	
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		
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	8,690,650	4,853,643	3,837,007		225,000	445,212	2,945,000	667,007
Ancillary Modifications - Design 3	53458_7192	Mar-08	Sep-10	299,101	299,101	-					

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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	264,564	265,404	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**	**-**			**7,204,637**		
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				**60,285,401**	**59,400,519**	**884,882**	**655,529**	**229,353**	**35,691,600**		
Environmental Review	53400_6455	Apr-02	Feb-03	232,830	232,830	-					
Design / Build	53402_6457	Nov-11	Dec-15	50,559,191	49,863,940	695,251	567,837	127,414	32,967,461		
Easement/Land Acquisition/Permits	53447_6868	Oct-08	Dec-14	6,112,268	6,112,268	-			763,564		
Owners' Representative	53462_7233	Mar-10	Feb-18	3,159,096	2,969,465	189,631	87,692	101,939	1,960,575		
Early Construction Water Connection	53463_7314	Jul-11	Feb-12	222,016	222,016	-					
Transmission				**2,451,652,508**	**770,602,308**	**1,681,050,201**	**28,197,388**	**24,497,036**	**68,258,575**	**352,981,133**	**1,275,374,640**
597 Winsor Station Pipeline				**32,877,576**	**2,578,137**	**30,299,439**	**1,921,238**	**1,478,854**	**4,582,638**	**23,838,027**	**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	104,493	67,644	780,310	33,822	
Quabbin Aqueduct & WPS Upgrades - Design/CA/RI	60087_7114	Feb-10	Aug-15	838,039	838,031	8	8		265,569		
Winsor Power Station Rehab & Improvement - Construction	60088_7115	Jul-19	Jul-21	17,857,700	-	17,857,700				17,857,700	
Shaft 12 Isolation Gates Const	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	2,657,677	308,490	2,349,187	1,767,660	581,527	2,657,677		
Winsor Power Station Rehab & Improvement-Final Design/CA/RI	60140_7460	Jul-17	Sep-22	3,580,000	-	3,580,000		537,000	537,000	3,043,000	
Shaft 12 Isolation Gates - Design/CA/RI	60141_7509	Jan-17	Jul-20	1,000,000	-	1,000,000	48,780	292,683	341,463	658,537	
601 Sluice Gate Rehabilitation	**completed project**			**9,158,411**	**9,158,411**	**-**					

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604 MetroWest Tunnel				**701,177,915**	**697,046,552**	**4,131,364**	**65,361**	**156,000**	**1,869,405**	**3,910,000**	
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	1			74,813		
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 Interconnect - Final Design/CA/R	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 - Resident Inspection 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	Oct-17	Sep-22	600,000	-	600,000		90,000	90,000	510,000	
Shaft 5 Electrical Upgrade	60128_7367	Jan-19	Jan-20	1,000,000	-	1,000,000				1,000,000	
Valve Chamber & Storage Tank Access Improvements - Constr.	60160_7476	Jul-19	Jun-21	2,400,000	-	2,400,000				2,400,000	
Shaft 5A/5 Surface Piping Cathodic Protection	60161_7477	Nov-16	Oct-17	132,000	-	132,000	66,000	66,000	132,000		
Hultman Leak Shaft 5A	60162_7507	Mar-16	May-16	156,900	159,438	(2,538)	(2,537)		156,901		
615 Chicopee Valley Aqueduct Redundancy	**completed project**			**8,666,292**	**8,666,291**	**-**					

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616 Quabbin Transmission System				**16,405,914**	**7,456,913**	**8,949,001**	**1,049,000**		**1,303,449**	**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	Jul-18	Jun-23	300,000	-	300,000				300,000	
Rehab Wachusett Gatehouse/Bastion Lower Gatehouse - 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 Lower Gatehouse - Const.	60137_7380	Jul-20	Jun-22	4,000,000	-	4,000,000				4,000,000	
Ware Rver Intake Valve Replacement - Construction	60138_7487	Jul-20	Jun-22	900,000	-	900,000				900,000	
CVA Intake Motorized Screens Replacement - Construction	60139_7488	Nov-16	Jun-17	1,049,000	-	1,049,000	1,049,000		1,049,000		
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				**6,452,684**	**1,371,948**	**5,080,736**	**1,290,069**	**427,664**	**2,429,733**	**3,363,003**	
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-17	Jun-18	460,012	-	460,012		345,009	345,009	115,003	
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	Nov-16	1,745,598	712,000	1,033,598	1,033,598		1,745,598		
Evaluation of Farm Pond Buildings - Waban Arches	60151_7473	Jul-16	Jul-17	339,126	-	339,126	256,471	82,655	339,126		
Ash Street Sluice Gates - Design	60152_7491	Jun-18	Jan-22	350,000	-	350,000				350,000	
Hazardous Materials Sudbury Aqueduct	75486_6617	Apr-99	May-05	265,428	265,428	-					
620 Wachusett Reservoir Spillway Improvements	**completed project**			**9,287,460**	**9,287,460**	**-**					
621 Watershed Land				**24,000,000**	**19,277,400**	**4,722,600**	**1,580,000**	**1,500,000**	**5,015,000**	**1,642,600**	
Land Acquisition	60081_7069	Apr-06	Jun-20	24,000,000	19,277,400	4,722,600	1,580,000	1,500,000	5,015,000	1,642,600	
622 Cosgrove Tunnel Redundancy				**53,030,240**	**9,131,536**	**43,898,704**	**21,840,654**	**16,435,405**	**46,232,153**	**5,621,291**	**1,354**
Wachusett Aqueduct Pump Station - Design/ESDC/RI	60090_7156	Feb-12	May-20	6,842,240	4,219,757	2,622,483	916,461	538,744	4,499,520	1,167,278	
Wachusett Aqueduct Pump Station - Construction	60091_7157	Mar-16	Feb-19	46,173,000	4,905,869	41,267,131	20,923,333	15,895,515	41,724,717	4,448,283	
Permits/Easements	60124_7354	Aug-15	Dec-25	15,000	5,910	9,090	860	1,146	7,916	5,730	1,354
623 Dam Projects				**4,538,205**	**3,115,745**	**1,422,460**	**5**	**515,113**	**545,681**	**907,342**	
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	1,532,646	1,060,757	471,889		471,889	502,377		
Quinapoxet Dam Permits	60118_7346	Jul-17	Dec-20	1,000	434	566		366	441	200	
Quinapoxet Dam Removal - Design/ESDC/RI	60119_7347	Jul-17	Dec-20	200,000	-	200,000		42,858	42,858	157,142	
Quinapoxet Dam Removal - Construction	60120_7348	Jul-18	Dec-20	750,000	-	750,000				750,000	

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625 Metropolitan Tunnel Redundancy				**1,357,685,868**	**3,008,809**	**1,354,677,059**	**228,177**	**2,020,000**	**3,590,530**	**151,110,826**	**1,201,318,056**
Water Transmission Redundancy Plan	60035_6273	Oct-08	Sep-11	1,396,572	1,396,572	-			(1,848)		
Conceptual Design EIR	60092_7159	Jul-17	Jul-19	7,549,990	-	7,549,990		2,000,000	2,000,000	5,549,990	
Tunnel Construction	60107_7291	Jul-22	Jun-34	924,010,917	-	924,010,917				57,750,681	866,260,236
Sudbury Aqueduct - MEPA Review	60122_7352	Oct-12	Jun-17	3,405,107	1,612,237	1,792,870	228,177	20,000	1,592,378	1,544,693	
Construction Management	60126_7356	Jul-21	Jun-35	110,014,140	-	110,014,140				13,751,767	96,262,373
Tops of Shafts Connecting Mains 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
Tops of Shafts Rehab - Design/CA/RI	60172_7521	Jul-34	Jul-39	1,186,427	-	1,186,427					1,186,427
Tops of Shafts Rehab - Construction	60173_7522	Jul-36	Jul-38	4,961,422	-	4,961,422					4,961,422
Final Design/ESDC	60174_7556	Jul-19	Dec-34	99,228,440	-	99,228,440				24,807,108	74,421,332
Shaft 7 - 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				**213,371,942**	**503,104**	**212,868,838**	**222,884**	**1,350,000**	**2,075,988**	**140,302,044**	**70,993,910**
Metropolitan Redundancy Interim Design CA/RI	60200_7560	Jan-18	Jul-23	10,414,895	-	10,414,895		150,000	150,000	9,412,000	852,895
Tops of Shafts Interim Improvement - Costruction	60202_7561	Jan-19	Jan-20	6,114,420	-	6,114,420				6,114,420	
Chestnut Hill Emergency PS Improvements - Construction	60203_7562	Jul-20	Jul-22	18,343,260	-	18,343,260				18,343,260	
WASM/Spot Pond Supply Mains West PRV Improvements-Const.	60204_7563	Jul-19	Jul-21	8,152,560	-	8,152,560				8,152,560	
Chestnut Hill Emergency PS Stand-by Generator - Construction	60205_7566	Jan-20	Jan-21	8,886,290	-	8,886,290				8,886,290	
WASM 3 - MEPA/Design/CA/RI	68166_6539	Jul-13	Oct-26	15,482,625	503,104	14,979,521	122,884	500,000	1,125,988	8,340,000	6,016,637
WASM 3 Sliplining	68170_6543	Jul-22	Jun-26	58,609,494	-	58,609,494				8,880,228	49,729,266
WASM 3 Rehab	68171_6544	Jul-19	Jun-22	61,203,455	-	61,203,455				61,203,455	
Section 101/Waltham Section - Construction	68333_7457	Jul-23	Jul-25	12,826,112	-	12,826,112					12,826,112
Section 101/Waltham Section - Design CA/RI	68334_7547	Jul-21	Jun-26	3,000,000	-	3,000,000				1,431,000	1,569,000
Commonwealth Ave. PS Improvements - Design/CA/RI	75580_7523	Dec-16	Dec-21	2,775,831	-	2,775,831	100,000	700,000	800,000	1,975,831	
Commonwealth Ave. PS Improvements - Construction	75581_7524	Dec-18	Dec-20	7,563,000	-	7,563,000				7,563,000	
630 Watershed Division Capital Improvements				**15,000,000**	**-**	**15,000,000**		**614,000**	**614,000**	**14,386,000**	
Quabbin Admin Building Rehab - Design CA\RI	60300_7564	Jul-17	Jul-21	3,000,000	-	3,000,000		614,000	614,000	2,386,000	
Quabbin Admin Building Rehab - Construction	60301_7565	Jul-19	Jul-21	12,000,000	-	12,000,000				12,000,000	

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Distribution And Pumping				**805,461,182**	**400,906,743**	**404,554,440**	**23,493,407**	**37,630,372**	**89,326,945**	**179,165,530**	**164,265,126**
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**	**-**					
692 Northern High Service - Section 27 Improvement				**1,133,702**	**123,646**	**1,010,055**	**14,310**	**13,196**	**27,506**	**982,549**	
Section 27 - Construction	67769_6333	Mar-20	Nov-21	1,009,131	26,581	982,549				982,549	
Easements	68192_6589	Apr-16	Mar-18	22,800	-	22,800	12,000	10,800	22,800		
Technical Assistance	68211_6712	Oct-99	Mar-18	64,500	59,794	4,706	2,310	2,396	4,706		
Surveying	68229_6809	Jun-01	Mar-17	37,271	37,271	-					
693 NHS - Revere & Malden Pipeline Improvements				**57,526,870**	**26,954,957**	**30,571,913**	**236,531**	**1,050,250**	**1,408,998**	**29,285,132**	
Revere & Malden - Design/CS/RI	67780_5185	May-88	Sep-94	1,785,747	1,785,747	-					
Revere Beach - Construction	67781_5186	Aug-92	Oct-94	6,314,186	6,314,186	-					
Malden Section 53 - Construction	67782_5176	Apr-92	Sep-94	10,026,430	10,026,430	-					
Revere Section 53 - Construction	67784_5177	Sep-08	Aug-09	2,938,022	2,938,022	-					
Control Valves - Construction	67785_5191	Jun-88	Aug-89	948,780	948,780	-					
Deer Island Pipeline Cleaning & Lining - Construction	67786_5179	Jun-90	Sep-90	157,930	157,930	-					
Winthrop Cleaning & Lining - Construction	67787_5178	Jun-90	Aug-90	575,040	575,040	-					
Section 53 Connections - Construction	67790_6335	Jan-20	Jan-22	12,306,470	-	12,306,470				12,306,470	
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	-					

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Section 99 Connection - Construction	68258_6958	Mar-20	Mar-22	3,135,662	-	3,135,662				3,135,662	
Easements	68265_6978	Jul-06	Dec-20	30,000	-	30,000	5,000	10,000	15,000	15,000	
Permits	68280_7049	Apr-05	Mar-22	5,000	-	5,000	750	1,250	2,000	3,000	
Section 56 Replacement/Saugus River - Design CA/RI	75545_7454	Apr-18	Apr-23	2,000,000	-	2,000,000				2,000,000	
Section 53 and 99 Connections - Design CA/RI	75548_7485	Jun-17	Mar-23	3,750,000	-	3,750,000		225,000	225,000	3,525,000	
Section 56 Replacement- Construction	75549_7486	Apr-20	Apr-22	8,300,000	-	8,300,000				8,300,000	
Section 56 Replacement/Saugus River - Feasibility Study	75565_7500	Dec-15	Jun-17	246,998	122,217	124,781	124,781		246,998		
Section 56 Pipe Demo Des CA/RI	75569_7535	Jan-17	Jun-18	320,000	-	320,000	106,000	214,000	320,000		
Section 56 Pipe Demolition - Construction	75570_7536	Sep-17	Mar-18	600,000	-	600,000		600,000	600,000		
702 New Connecting Mains - Shaft 7 to WASM 3				**37,860,699**	**11,315,807**	**26,544,892**	**906,100**	**1,143,000**	**2,404,100**	**21,907,133**	**2,588,658**
Routing Study	67846_5163	Aug-94	Nov-96	397,087	397,087	-					
Watertown MOU	68035_6199	Jun-94	Sep-97	167,000	167,000	-					
CP1- Design/CA/RI	68110_6383	Sep-98	Jul-11	3,532,814	3,532,814	-					
Des/CA/RI DP2/4 Meter 120	68111_6384	Aug-02	Oct-08	1,277,722	1,277,722	-					
CP3 (Sect 23,24,47)-Final Des/CA/RI	68112_6385	Jul-16	Jun-22	3,506,868	-	3,506,868	896,100	900,000	1,796,100	1,710,768	
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-Sect 23,24,47, Rehab	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 - Cons	68174_6548	Mar-22	Mar-24	5,431,859	-	5,431,859				3,336,201	2,095,658
CP2 -Easements	68175_6547	May-17	May-25	33,000	-	33,000	10,000	23,000	33,000		
Repl Sect 25, 75, 59460 Des CA/RI	68255_6955	Jan-18	Mar-25	3,000,000	-	3,000,000		200,000	200,000	2,307,000	493,000
Replacement of Section 25 - Construction	68256_6956	Jul-19	Feb-21	2,929,603	-	2,929,603				2,929,603	
Section 75 Extension - Construction	68350_7484	Mar-20	Mar-22	3,520,000	-	3,520,000				3,520,000	
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-Connecting Mains from Section 91	**completed project**			**2,360,194**	**2,360,194**	**-**					

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708 Northern Extra High Service - New Pipelines				**8,045,232**	**3,632,119**	**4,413,114**	**20,687**	**36,428**	**57,115**	**3,599,000**	**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	1,500	2,000	3,500	1,500	
Legal	68177_6555	Jul-15	Dec-20	5,000	-	5,000	1,500	1,000	2,500	2,500	
Technical Assistance	68210_6707	Nov-10	Jan-17	54,000	7,886	46,114	15,087	31,028	46,115		
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	2,600	2,400	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**	**108,473**	**42,071**	**217,752**	**1,345,284**	
Planning Phase I	68002_6058	Apr-95	Dec-97	107,680	107,680	-					
Cathodic Protection Testing and Evaluation Program	68129_6438	Aug-15	Aug-17	217,750	67,208	150,542	108,473	42,071	217,752		
Cathodic Protection at Shafts E&L & Section W 16 - Design/CA/RI	68130_6439	Apr-18	Sep-21	814,125	-	814,125				814,125	
Cathodic Protection at Shafts E&L & Section W 16 - Construction	68131_6440	Jan-19	Jan-20	531,159	-	531,159				531,159	
Technical Assistance	68216_6751	Jan-00	May-09	33,233	33,233	-					
713 Spot Pond Supply Mains Rehab				**66,927,509**	**63,601,327**	**3,326,182**	**2,000,532**	**50,000**	**4,669,859**	**1,275,650**	
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	3,861,368	2,004,799	1,856,569	1,856,569		3,861,369		
Walnut Street Bridge Truss - 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 Truss - Design	68209_6697	Oct-18	May-23	325,650	-	325,650		50,000	50,000	275,650	
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**	**-**					

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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 Repairs - Construction	75521_7382	Apr-17	Jun-17	1,000,000	-	1,000,000	1,000,000		1,000,000		
720 Warren Cottage Line Rehab	**completed project**			**1,204,821**	**1,204,821**	**-**					
721 Southern Spine Distribution Mains				**76,280,691**	**36,683,102**	**39,597,589**	**952**	**376,270**	**368,675**	**4,041,607**	**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	952	1,270	2,222	794	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	Aug-17	Jun-19	1,000,000	-	1,000,000		375,000	375,000	625,000	

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722 NIH Redundancy & Storage				**105,654,814**	**15,344,942**	**90,309,873**	**12,015,431**	**17,860,063**	**39,246,071**	**37,452,627**	**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	429,450	929,450		
Section 89 & 29 Redundancy - Design	68252_6906	Mar-11	Aug-20	6,172,381	3,122,848	3,049,533	892,405	804,000	3,991,810	1,353,128	
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	2,500	7,000	9,500	8,500	
West Street Pipeline Reading - Construction Phase1A	68282_7066	Jun-14	May-15	1,909,952	1,909,952	-			1,909,952		
Section 89 & 29 Redundancy - Construction Phase 2	68283_7067	May-17	Dec-19	18,230,000	-	18,230,000		5,730,000	5,730,000	12,500,000	
NIH Storage - Construction	68284_7068	Jan-26	Jan-28	19,017,191	-	19,017,191					19,017,191
Section 89 & 29 Rehab - Design	68294_7116	Jul-17	Jan-24	3,200,000	-	3,200,000		364,000	364,000	2,730,000	106,000
Section 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	679		2,178,325		
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
Section 89/29 Redundancy - Phase 1B Construction	68317_7471	Jan-16	Mar-18	10,943,080	2,759,471	8,183,610	7,378,847	804,763	10,943,080		
Section 89/29 Redundancy - Phase 1C Construction	68318_7478	Dec-16	Jun-18	17,817,999	-	17,817,999	3,239,000	9,718,000	12,957,000	4,860,999	
723 Northern Low Service Rehab Section 8				**52,677,936**	**2,320,986**	**50,356,950**	**13,100**	**900,800**	**913,900**	**27,729,500**	**21,713,550**
Easements	68094_6321	Jul-15	Jul-27	80,000	-	80,000	12,500	20,000	32,500	29,500	18,000
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	600	800	1,400	8,000	4,688
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 Pipeline & 21/20/19 Sewer - Des./ESDC/REI	75610_7540	Jul-17	Nov-21	4,800,000	-	4,800,000		880,000	880,000	3,920,000	
Section 57 Water Pipeline & 21/20/19 Sewer Rehab - Const.	75611_7541	May-19	Nov-20	22,272,000	-	22,272,000				22,272,000	
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				**107,884,706**	**8,943,573**	**98,941,134**	**5,125,132**	**14,704,000**	**22,015,734**	**22,458,565**	**56,653,437**
Concept 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	1,298,132	1,403,000	4,873,696	2,803,609	
Redundancy Pipeline Section 111 Phase 1 - Construction	53399_6454	Jul-16	Aug-18	11,770,000	-	11,770,000	3,697,000	6,013,000	9,710,000	2,060,000	
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	50,000	55,000	105,000	195,000	
Permits/Utilities	68306_7227	Aug-08	Jul-27	300,000	1,044	298,956	80,000	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 Pipleline Section 111 Phase 2 - Constr uction	68555_7504	Apr-17	Nov-19	13,700,000	-	13,700,000		3,800,000	3,800,000	9,900,000	
Redundancy Pipleline Section 111 Phase 3 - Construction	68556_7505	Jun-17	Nov-19	10,000,000	-	10,000,000		3,333,000	3,333,000	6,667,000	

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730 Weston Aqueduct Supply Mains				**81,563,884**	**79,585,770**	**1,978,112**	**1,238,159**	**382,885**	**15,163,519**	**357,068**	
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	753,000	448,682	304,318		27,250	141,555	277,068	
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 Avenue Sewer	68070_6313	Feb-02	Dec-04	17,330,800	17,330,800	-					
Section 36/Watertown Sec./Waltham Connection - Design/CA/RI	68167_6540	Jan-11	May-17	2,450,348	1,884,584	565,764	251,448	314,316	1,264,737		
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	
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	11,556,382	10,719,670	836,711	836,711		11,556,382		
731 Lynnfield Pipeline	**completed project**			**5,625,829**	**5,625,828**	**-**			**(51,694)**		
732 Walnut St. & Fisher Hill Pipeline Rehab	**completed project**			**2,717,141**	**2,717,141**	**-**					
735 Section 80 Rehabilitation				**12,102,815**	**-**	**12,102,815**	**814,000**	**1,071,409**	**1,885,409**	**9,250,000**	**967,406**
Section 80 Rehab - Construction	68249_6891	Jul-19	Jun-23	8,211,525	-	8,211,525				7,699,000	512,525
Section 80 Rehab - Design CA/RI	68250_6892	Feb-18	Jan-25	2,052,881	-	2,052,881		50,000	50,000	1,550,000	452,881
Section 80 Replacement - Construction	68410_7532	Nov-16	Jul-17	1,828,409	-	1,828,409	812,000	1,016,409	1,828,409		
Permits	68411_7533	Oct-16	Jun-24	10,000	-	10,000	2,000	5,000	7,000	1,000	2,000
Other Waterworks				**69,415,968**	**148,623,546**	**(79,207,578)**	**7,721,281**	**10,055,252**	**14,666,961**	**73,569,697**	**(170,553,809)**
753 Central Monitoring System				**39,040,065**	**17,804,950**	**21,235,115**	**2,674,204**	**1,516,464**	**6,191,890**	**6,277,328**	**10,767,120**
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	18,500,000	-	18,500,000	312,880	1,200,000	1,512,880	6,220,000	10,767,120
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	-					

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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	3,505,320	1,335,490	2,169,830	2,081,056	88,774	3,505,320		
Quabbin Power, Communication & Security - Design/CA/RI	75540_7461	Sep-14	Sep-18	813,905	540,966	272,939	100,957	114,654	756,577	57,328	
Utility Fees and Permits	75541_7475	Jul-14	Dec-17	228,418	2,348	226,070	113,034	113,036	228,418		
763 Distribution System 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	-					
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-18	Apr-19	500,000	-	500,000				500,000	
764 Local Water Infrastructure Rehab	**completed project**			**7,487,762**	**7,487,762**	**-**					
765 Local Water System Assistance Program				**-**	**121,568,086**	**(121,568,085)**	**3,287,581**	**7,457,217**	**5,453,643**	**49,770,043**	**(182,082,929)**
Community Loans	75485_6608	Aug-00	Jun-13	222,317,575	222,317,575	1					
Community Repayments	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	19,000,000	18,000,000	96,142,246	65,288,643	
Local Water System Assistance Repayments	75514_7340	Aug-11	Jun-30	(200,000,000)	(20,721,058)	(179,278,942)	(9,771,136)	(11,671,136)	(39,482,155)	(78,744,502)	(79,092,168)
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)	(318,500)	(1,152,500)	(3,273,500)	(5,480,500)
Lead Service Line Replacement Loans	75517_7529	Aug-16	May-36	100,000,000	-	100,000,000	5,000,000	5,000,000	10,000,000	25,000,000	65,000,000
Lead Service Line Replacement Repayments	75518_7530	Aug-17	May-46	(100,000,000)	-	(100,000,000)		(500,000)	(500,000)	(10,000,000)	(89,500,000)
LWSAP Phase 3 Loans	75620_7567	Aug-17	May-46	210,000,000	-	210,000,000		5,000,000	5,000,000	85,000,000	120,000,000
LWSAP Phase 3 Repayments	75621_7568	Aug-17	May-46	(210,000,000)	-	(210,000,000)				(17,000,000)	(193,000,000)
766 Waterworks Facility Asset Protection				**20,589,222**	**726,381**	**19,862,841**	**1,759,496**	**1,081,571**	**3,021,429**	**16,259,774**	**762,000**
Meter Vault Manhole Retrofits - Design	75490_6689	Sep-18	Jun-22	423,925	-	423,925				423,925	
Walnut Hill Tank Rehab/Elevat. Water Tanks Repainting Design	75497_6832	Jul-17	Jul-22	800,000	-	800,000		120,000	120,000	680,000	
Walnut Hill Tank - Construction	75498_6833	Jul-18	Jul-19	1,000,000	-	1,000,000				1,000,000	
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	2,388	3,796	7,184		
Technical Assistance	75503_6921			-	5,517	(5,517)	(5,517)				
Cosgrove Flat Roof Replacement	75505_7022	Sep-17	Mar-18	900,000	-	900,000		900,000	900,000		
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	Apr -18	Apr-19	400,000	-	400,000				400,000	
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	Jan-17	1,551,178	-	1,551,178	1,551,178		1,551,178		
Beacon Street Line Repair - Design/CA/RI	75538_7474	Nov-14	Dec-17	443,067	173,845	269,222	211,447	57,775	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
Elevated Water Storage Tanks Repainting - Construction	77552_7493	Jul-19	Jun-21	4,500,000	-	4,500,000				4,500,000	
Business & Operations Support				**131,460,724**	**92,707,839**	**38,752,885**	**8,794,902**	**10,185,285**	**34,246,168**	**19,772,696**	

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881 Equipment Purchase				**29,187,988**	**18,488,576**	**10,699,412**	**2,723,113**	**2,210,000**	**11,314,361**	**5,766,298**	
Security Equipment & Installation	92374_6760	Jan-01	Jun-18	11,101,520	8,603,519	2,498,001	437,200	1,805,000	4,178,343	255,800	
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	6,506,516	4,020,603	2,485,913	2,285,913	200,000	6,506,516		
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**			**9,813,635**	**9,813,635**	**-**					
931 Business Systems Plan	**completed project**			**24,527,709**	**24,527,709**	**-**			**76,479**		
932 Environmental Remediation	**completed project**			**1,478,602**	**1,478,602**	**-**			**(200)**		
933 Capital Maintenance Planning & Development				**15,886,005**	**12,543,838**	**3,342,168**	**1,683,802**	**1,370,804**	**5,474,202**	**287,562**	
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	1,872,994	1,869,994	3,000	3,000		511,594		
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	935,000	730,302	204,698	204,698		935,000		
As-Needed Design Contract 13	98485_7456	Feb-14	Aug-16	966,677	580,562	386,115	386,115		966,677		
As-Needed Design Contract 14	98487_7496	Jun-16	Jun-18	1,425,000	-	1,425,000	538,592	709,127	1,247,719	177,281	
As-Needed Design Contract 15	98488_7497	Jun-16	Jun-18	1,323,355	-	1,323,355	551,397	661,677	1,213,074	110,281	

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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				**23,270,514**	**17,454,074**	**5,816,439**	**833,490**	**100,000**	**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	Aug-18	Oct-19	37,075	37,080	(5)					
Fish Hatchery Pipeline Hydro	98465_7323	Mar-16	Sep-17	1,000,000	66,510	933,490	833,490	100,000	1,000,000		
940 Application Improvement Program				**9,980,394**	**1,476,397**	**8,503,997**	**1,180,218**	**2,984,227**	**5,567,717**	**4,339,552**	
GIS Applications & Integration	92420_7251	Jan-14	Jun-18	350,000	22,272	327,728	122,898	163,864	309,034	40,966	
Lawson Enhancements	92435_7286	Mar-17	Jun-19	1,750,000	-	1,750,000	62,500	750,000	812,500	937,500	
Maximo Upgrade	92436_7287	Jul-15	Dec-18	2,625,904	992,166	1,633,738	703,716	531,441	2,227,323	398,581	
PIMS Enhancements	92437_7288	Jan-17	Sep-18	400,000	-	400,000	57,143	228,571	285,714	114,286	
Enterprise Performance Management Enhancements	92469_7386	Mar-16	Jun-18	200,000	80,900	119,100	44,664	59,550	111,989	14,886	
Enterprise Content Management	98475_7438	Sep-17	Dec-19	4,000,000	-	4,000,000		1,166,667	1,166,667	2,833,333	
Mobile Integrations	98476_7439	Apr-14	Jun-18	300,000	26,569	273,431	189,297	84,134	300,000		
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**	**273,819**	**665,093**	**1,584,560**	**701,953**	
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	273,819	365,093	999,925	456,367	
Electronic Security Plan Implementation	98477_7440	Sep-17	Jun-19	545,586	-	545,586		300,000	300,000	245,586	
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**	**727,590**	**165,107**	**892,697**	**29,943**	
Service Delivery & Best Practices	92421_7252	Dec-16	Aug-17	110,640	-	110,640	44,257	53,107	97,364	13,276	
IT Project Management Methodology	98472_7408	Jan-17	Jun-18	200,000	-	200,000	83,333	100,000	183,333	16,667	
Software Development Life Cycle (SDLC)	98478_7441	Mar-17	Jun-18	612,000	-	612,000	600,000	12,000	612,000		

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946 IT Infrastructure Program				**10,271,000**	**5,373,640**	**4,897,360**	**1,372,870**	**2,306,721**	**7,762,260**	**1,217,769**	
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	364,968	750,000	1,479,657	370,975	
Storage Upgrades	92406_7203	Jul-13	Jun-19	1,575,000	891,532	683,468	284,779	284,779	1,341,925	113,910	
Backup Upgrades	92407_7204	Jul-13	Jun-19	894,000	580,658	313,342	120,516	120,516	821,690	72,310	
Server Management	92408_7205	Oct-13	Jun-19	500,000	266,939	233,061	62,810	75,667	405,416	94,584	
Enterprise Application Integration	98480_7443	Jul-14	Jun-19	2,091,000	468,086	1,622,914	308,692	800,000	1,576,778	514,222	
E-Mail Upgrades	98481_7444	Jun-16	Jun-18	150,000	8,006	141,994	74,733	67,261	141,994		
Enterprise Data Management	98482_7445	Jan-14	Jun-19	1,500,000	1,083,362	416,638	156,372	208,498	1,448,232	51,768	