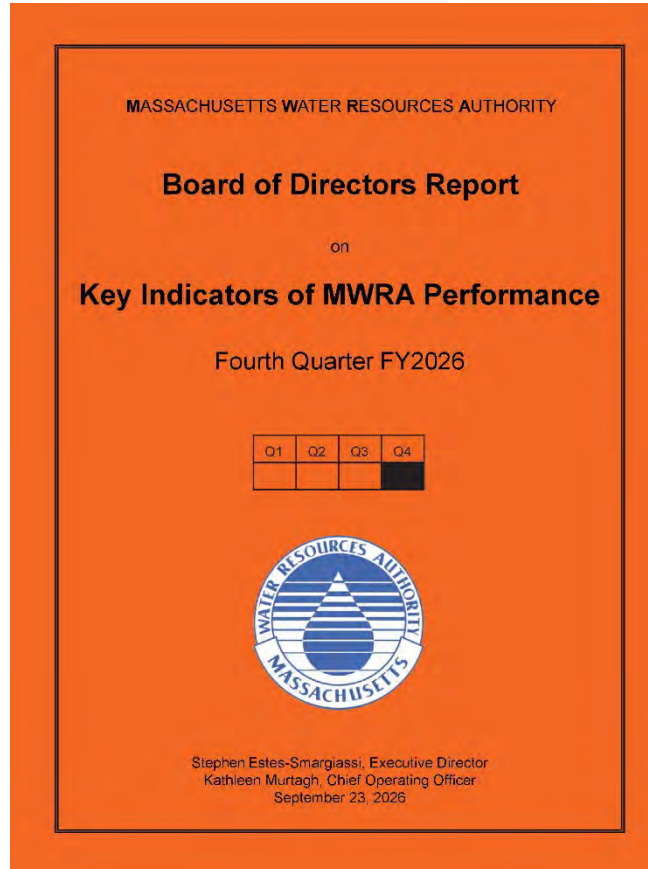


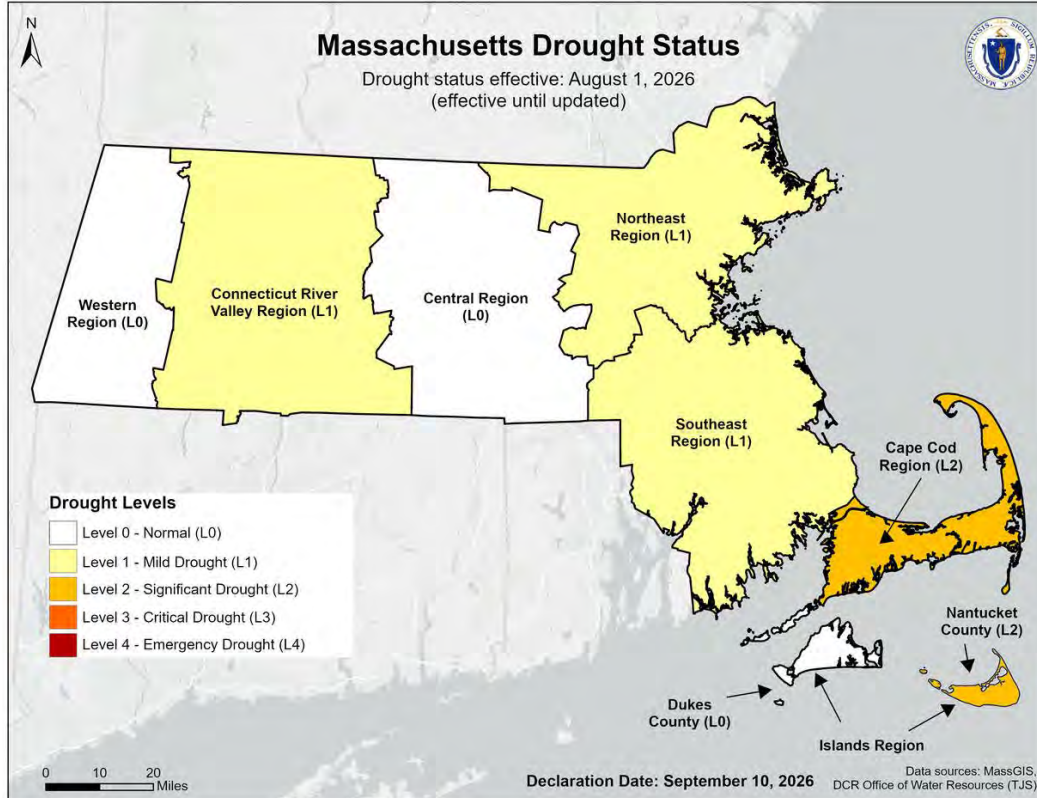


FY26 Third Quarter Orange Notebook Highlights





Drought Conditions Ease, Precipitation Below Average

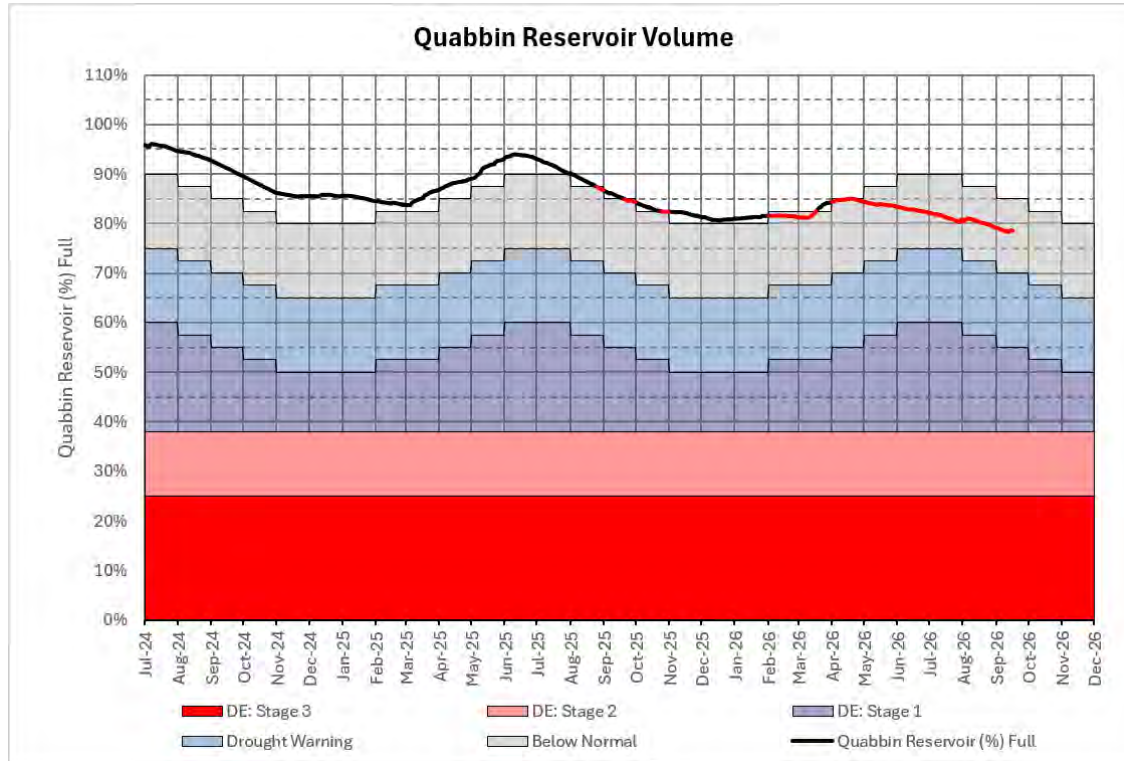


- Rainfall at Deer Island in Q4 was 48% below average (5.0" v. 9.6" expected)
- More rainfall in supply watersheds (roughly 20% below average)
- Deer Island low flow records for May and June
- Drought declarations downgraded since June 30 end of Q4



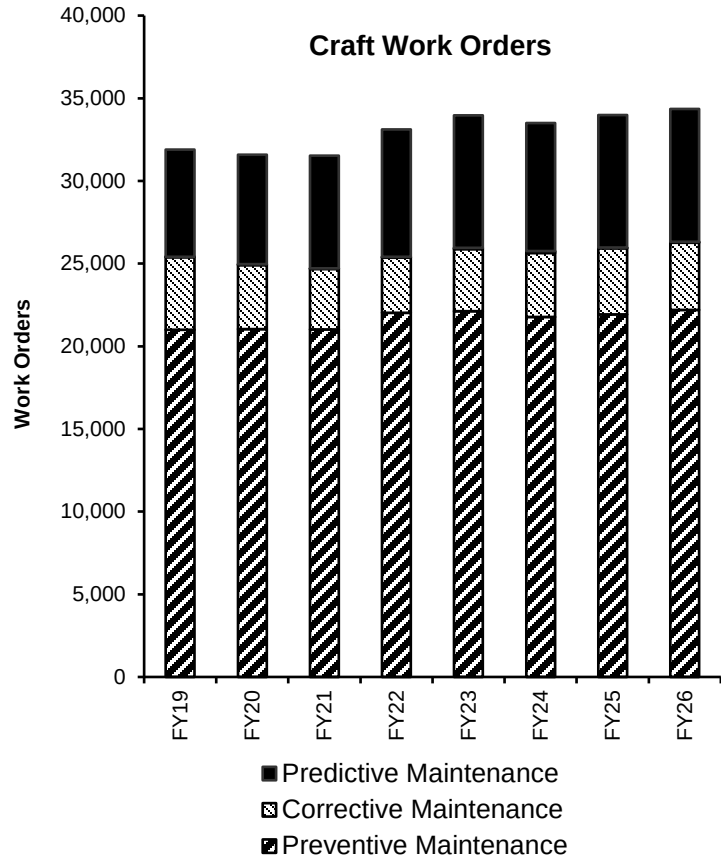
Quabbin Reservoir Remains Below Normal Range

- Quabbin Reservoir volume was 82.1% of capacity as of June 30. Now 78.5% as of mid Sept.





Deer Island Annual Maintenance Metrics



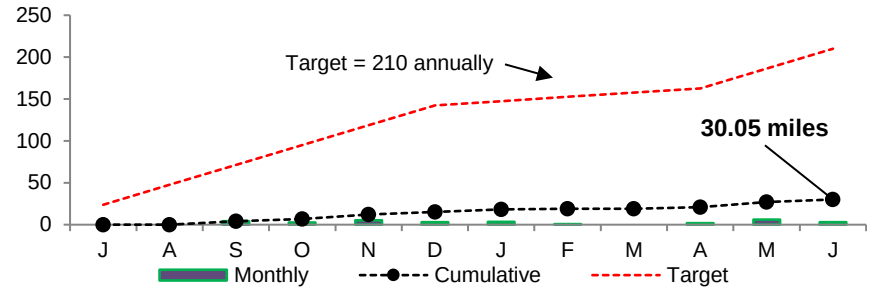
- Annual maintenance targets at Deer Island were all met or exceeded
- Corrective maintenance hours roughly 7% higher than FY25 (hydroelectric turbine failures, primary clarifier repairs, and dewatering line repair in residuals facility)
- Preventative maintenance hours increased by 5% due to new trade staff training



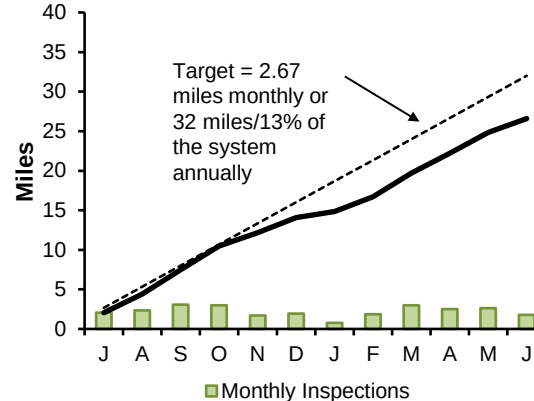
Staff Vacancies Impact Pipeline Inspections

- Working to increase the number of water main inspections; below target due to persistent staffing issues. One additional Service Technician hired in Q4, 2/4 positions now filled
- Wastewater pipeline inspections and cleaning met or were close to annual targets. Wastewater inspection goal is 13% of the system annually.

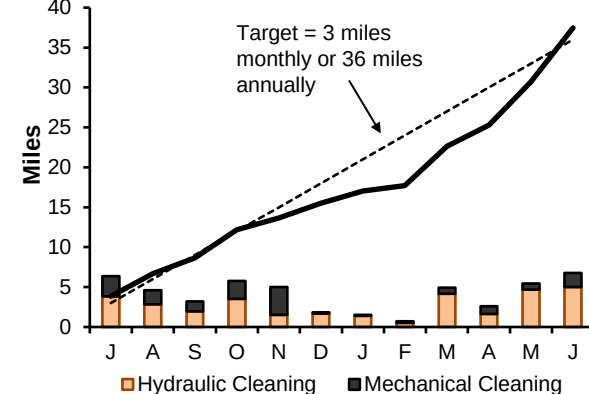
Water Pipeline Miles Surveyed for Leaks



Wastewater Pipeline Inspections



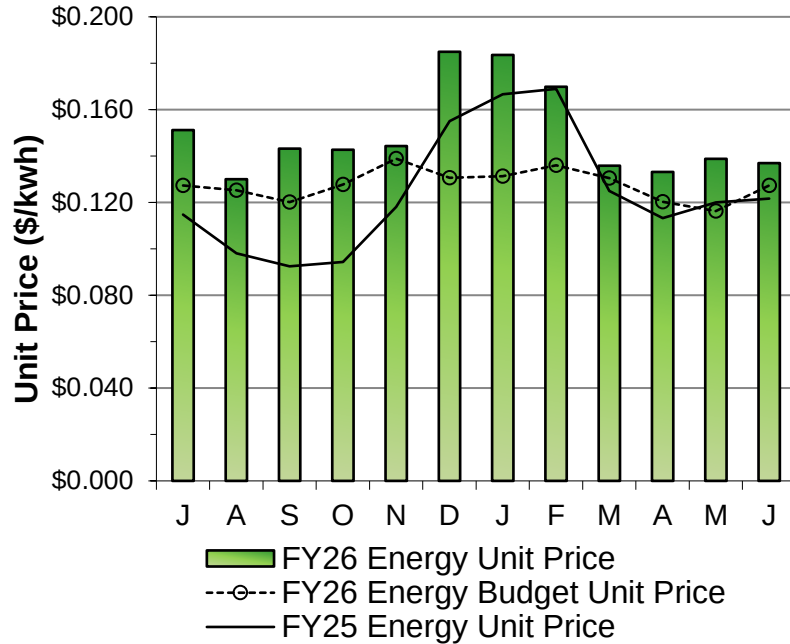
Wastewater Pipeline Cleaning



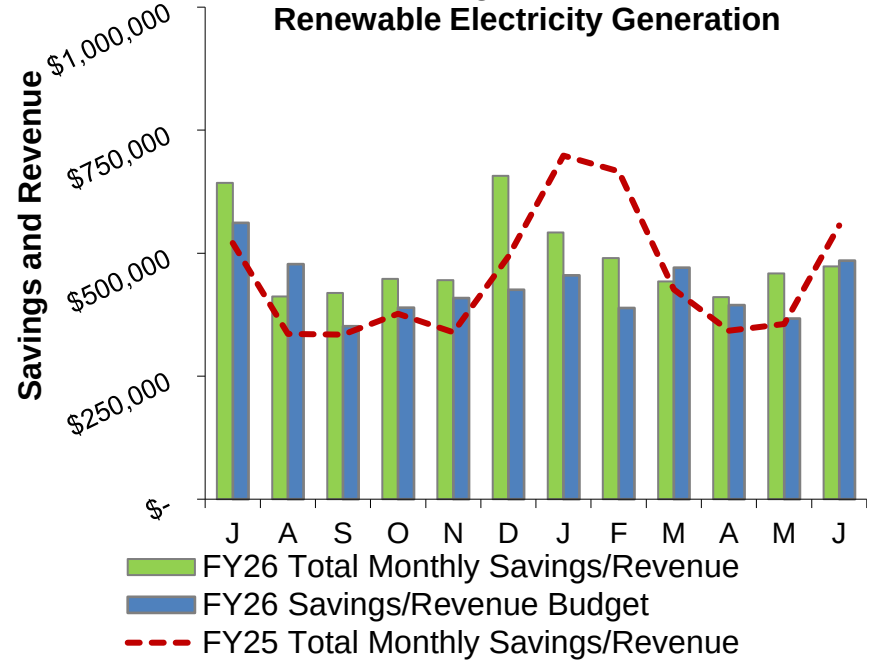


Energy Pricing During FY26

Deer Island Total Electricity Pricing



Value of Savings and Revenue from Renewable Electricity Generation





Presentation to

MWRA Board of Directors

***Design and Installation of Solar Canopy System
at the Deer Island Treatment Plant***

September 23, 2026

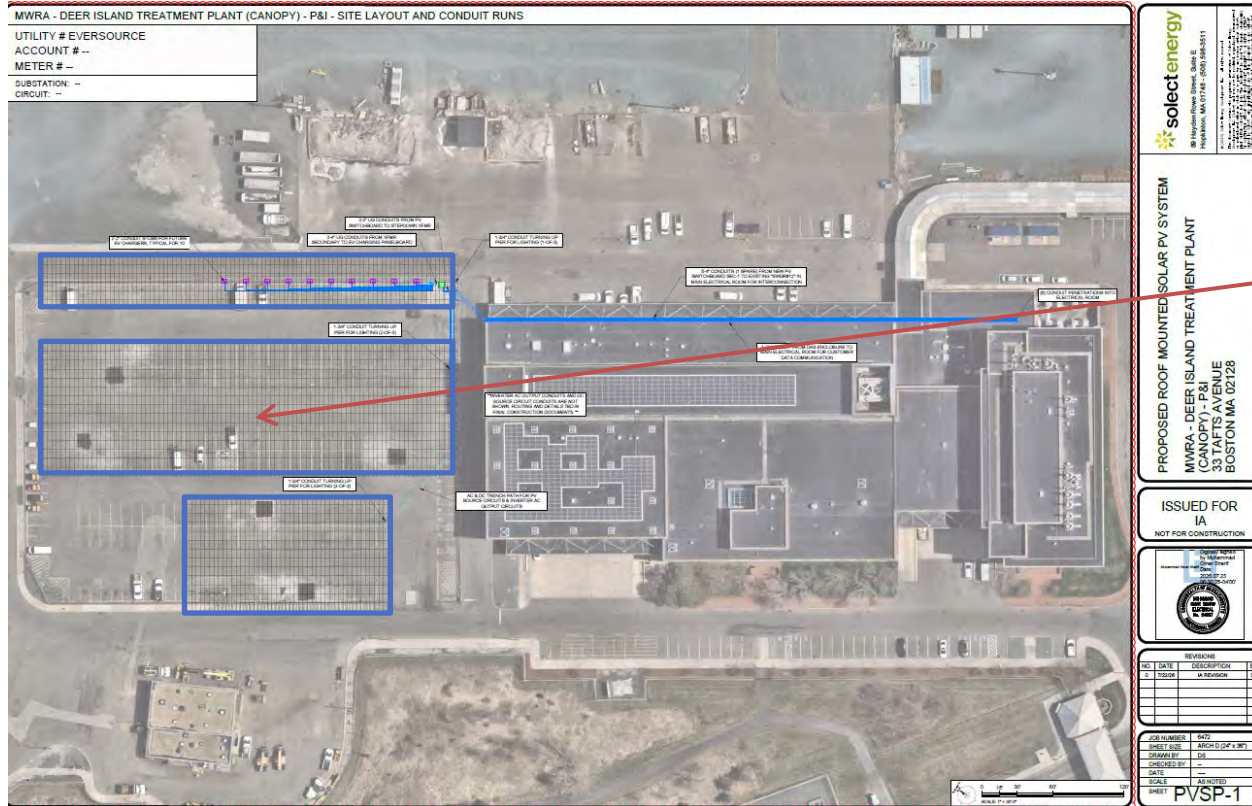


Procurement Process

- Massachusetts General Laws Chapter 164, §137
- PowerOptions Solar Program
 - Competitive Procurement
 - Pre-negotiated Contracts
 - Experienced Solar Developer -> Solect Energy
 - Completed over 200 projects through PowerOptions Program
 - 84 with public entities
 - MWRA Collaboration with Solar Design Team
 - PowerOptions Project Oversight
- Letter Of Intent – Initial Design
- Requesting Approval for Design and Installation Contract



Deer Island Solar Canopy Proposed Project Site Layout





Deer Island Solar Canopy Proposed Project Summary

MWRA- DEER ISLAND TREATMENT PLANT - SITE PLAN



- 1,517.5W DC (990kW AC)
 - 1,738,425 kWh/yr
 - All electricity consumed on-site
-
- Project Completion 571 days from NTP ~ mid 2028





Deer Island Solar Canopy Financials

- Project Cost – \$8,899,849
- FY27 CIP - \$29.4M for Alternative Energy Initiatives
 - \$10M for Deer Island Solar
 - ~\$7.9M Climate Mitigation Trust Grant Reimbursement
- SMART Incentive - Estimated Revenue \$300,000/yr
- Value of Avoided Electricity Purchases - \$260,000/yr
- Social Cost of Carbon Value - \$45,000/yr



Solar Canopy Benefits

- Efficient Use of Developed Land
- Reduction of Statewide Grid Emissions
- Weather Protection – Heat, Rain, Snow
- Electric Vehicle Charging Integration





Presentation to

MWRA Board of Directors

***WRA-5826 Janitorial Services
Deer Island Treatment Plant***

September 23, 2026



WRA-5826 Janitorial Services – Deer Island

- MWRA has been contracting janitorial and window cleaning services at the Deer Island Treatment Plant for the past 25 years.
- Deer Island consists of approximately 229,000 square feet of usable space in 14 occupied buildings that require daily janitorial services
- The contract includes periodic cleaning of the exterior windows, solar panels, and skylights.





WRA-5826 Janitorial Services – Deer Island

- Contract term: 3 years

VENDOR

Facilities Management and Maintenance Inc.

Star Building Services, Inc.

Compass Facility Services, Inc.

BID PRICE

\$1,970,156.13

\$1,990,199.76

\$2,165,023.96



Presentation to

MWRA Board of Directors

DITP Chemical Piping Replacement

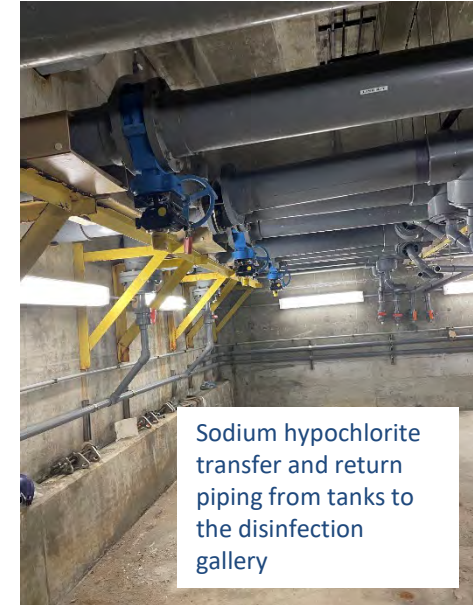
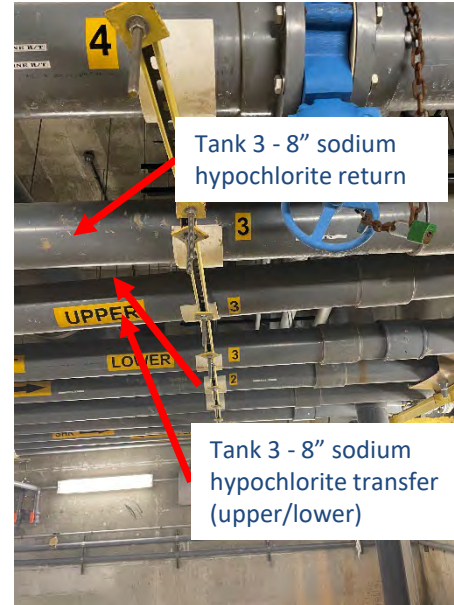
September 23, 2026



Contract 6851 Scope of Services Summary

MWRA Contract No. 6851, includes replacement of 8" sodium hypochlorite and sodium bisulfite piping from the Tank Farm to the Disinfection Gallery.

- Sodium hypochlorite tanks 1, 2, 3
- Sodium bisulfite tanks 1 and 2
- 2,800 LF of 8" diameter pipe for replacement
- 35 valves being replaced and 5 valves added





Contract 6851 Scope of Services – Site Work

- Site excavation as required for the scope of work.
- Install sodium hypochlorite bypass pumping system.
- Remove and replace existing sodium hypochlorite/sodium bisulfite piping, insulation, valves, appurtenances and heat trace system.
- Backfill excavated areas and provide new paving.



Sodium Hypochlorite Transfer and Return Lines
within the Tank Containment Area



Contract 6851 Procurement Summary

Advertised and bid in accordance with Chapter 149 of Massachusetts General Laws. General bids were opened on August 7, 2026, from four (4) contractors as follows:

<i>Engineer's Estimate</i>	<i>\$7,353,727</i>
Walsh Construction Company II, LLC	\$5,999,400
Harding & Smith, LLC	\$7,214,434
Methuen Construction Company	\$7,357,349
WES Construction Corp.	\$8,385,000

Based on the bid evaluation, Walsh Construction Company II, LLC was found to be the lowest responsible and eligible bidder.



Presentation to

MWRA Board of Directors

Section 91B Water Main Leak

September 23, 2026



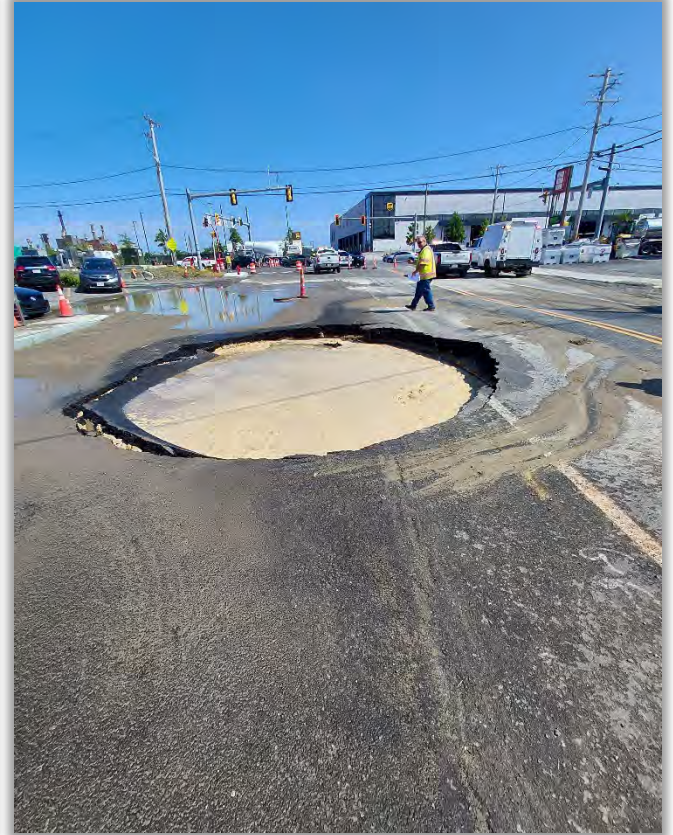
Northern High System - Section 91B



- Northern High Service Area
- Section 91B was installed in 2001
- 16" Ductile Iron Pipe Class 52
- Section 91B required for redundancy
- Sections 56 and 26 are currently isolated



Section 91B Leak – Ballard Street, Saugus





Pipe Repairs and Cleanup





Ballard Street – MassDOT Project





Ballard Street –Restoration



Tuesday – August 18th



Friday – August 21st



Section 91B – Condition Assessment





Presentation to

MWRA Board of Directors

**Sections 53 and 99 Improvements
Design/ESDC
Contract 7485, Amendment 1**

September 23, 2026





Sections 53 and 99 Project Area in City of Malden





Sections 53 and 99 Project Area in City of Malden





Sections 53 and 99 Improvements Construction Packages

CP-1: Engineer's cost estimate \$30M

- Section 68: 800' of new 48-inch pipe
- Section 84: Rehab of 100' of 48-inch pipe with carbon fiber reinforced polymer (CFRP) liner and internal investigation of remaining 800' of 48-inch pipe
- Valve Vault 53-1-A: Replacement of valve vault
 - Advertise: 11/2026
 - Construction NTP: 2/2027
 - Substantial Completion: 8/2030 (42 months)

CP-2: Engineer's cost estimate \$15M

- Section 14: Rehab (C&L) 5,400' of 30-inch pipe
- Section 49/49A: Replacement of existing pipeline with 3,600' of new 24-inch pipe
 - Advertise: 11/2029
 - Construction NTP: 2/2030
 - Substantial Completion: 6/2033 (40 months)



Contract 7485 Amendment 1

- Extend contract duration by 36 months (cover work through CP-1 one year warranty)
 - required due to multiple changes during Preliminary/Final Design
- Provide additional budget for the following:
 - Project Administration: additional 36 months contract duration
 - Preliminary Design: cover CP-1 budget overrun due to multiple iterations of alignments, alternative routes and hydraulic modeling
 - Final Design: cover CP-1 Final Design budget overrun and provide funds to complete the CP-2 Final Design
 - Completed two 60% designs to address alignment changes, including evaluation of trenchless alternatives including micro-tunneling to address City of Malden traffic concerns
 - Redefined Project into two construction contracts which required multiple out of scope submittals and will provide funding to complete both CP-1 and CP-2 Final Design
- Resident Engineering/Inspection for CP-1
 - Amendment will be required for CP-2 Resident Engineering/Inspection cost and additional time/escalation



Proposed Contract 7485 Amendment 1

Task	Description	Original Contract	Amendment 1	Amended Total
1	Project Administration	\$349,021	\$151,200	\$500,211
2	Preliminary Design	\$2,278,091	\$57,872	\$2,335,963
3	Final Design	\$739,076	\$743,120	\$1,482,196
4	ESDC	\$869,074	\$0	\$869,074
5	Technical Assistance Allowance	\$750,000	\$0	\$750,000
6	Resident Engineering/Inspection	\$0	\$1,771,161	\$1,771,161
Total		\$4,985,262	\$2,723,353	\$7,708,615



Presentation to

MWRA Board of Directors

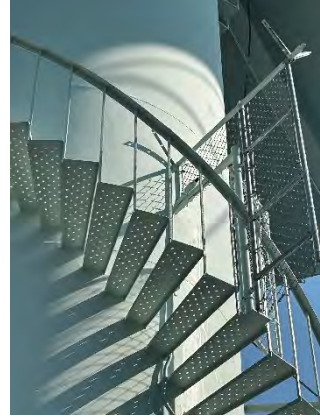
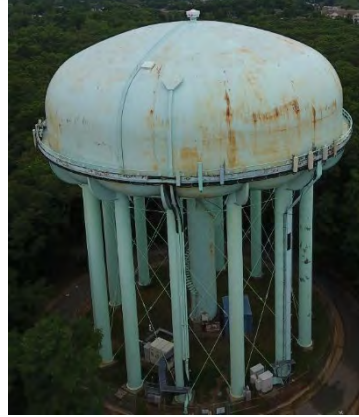
***Steel Water Storage Tank Painting & Improvements
Contract 6832 Amendment 3***

September 23, 2026





CP-1 Contract 7493 Construction Photos



September 2025



June 2026



CP-1 Contract 7493 Construction Photos



Scaffolding System



Steel Plate Repairs



New Internal Tie Rods



Proposed Contract 6832 Amendment 3

Task	Description	*Original Contract + Amendments 1-2	Amendment 3	Amended Total
1	Project Management	\$239,249	\$384,412	\$623,661
2	Design	\$1,157,708	\$69,312	\$1,227,020
3	ESDC	\$1,233,916	\$318,170	\$1,552,086
4	Technical Assistance Allowance	\$300,000	\$150,000	\$450,000
5	Resident Engineering	\$0	\$1,641,172	\$1,641,172
Total		\$2,930,873	\$2,563,066	\$5,493,939

*Amendment 2 was for time only



Contract 6832 Amendment 3

- Extend contract duration by 57 months due to out-of-scope design additions and longer than anticipated construction durations for both CP-1 and CP-2
- Provide additional budget for the following:
 - Project Management: additional 57 months for design/construction/warranty period
 - Final Design: additional design submittal required due to out-of-scope comments on 100% submittal
 - ESDC: additional instrumentation and programming level of effort during construction
 - Technical Assistance Allowance: special inspections of two prefabricated buildings
 - Resident Engineering Services
- Provide escalation for contract extension
- Authorize the Executive Director to approve additional amendments not to exceed \$500,000 & 12 months



Presentation to

MWRA Board of Directors

***Contract 7901 - Gillis, Brattle Court, & Newton Street
Pumping Stations Roof Replacements
Change Order 1***

September 23, 2026



Change Order 1

Item 1: Roof Deck Replacement

Not-to-Exceed \$1,500,000

- Wood Roof Decking Replacement
- New Ventilation Layer
- Interior Protection for Critical Pump Equipment

* Further Authorize Executive Director up to \$555,500 (25%) and 180 Days *



Gillis Pump Station





Deteriorated Decking





Missing Asphalt Shingles and Temporary Roof Patch





Interior Protection of Critical Pump Equipment

