



November 13, 2025

Agenda Information

MWRA staff are working to provide additional details and analysis regarding the draft Updated Long Term CSO Control Plan that was proposed at the October 29, 2025, MWRA Board of Directors Meeting.

In order to address questions and comments that have been received from MWRA Board Members and the public, this item will not be on the agenda, and the Board is not expected to vote at the November 19th Meeting. Instead, it will be considered at a future Board Meeting after further information is gathered.

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MASSACHUSETTS WATER RESOURCES AUTHORITY

Deer Island
33 Tafts Avenue
Boston, MA 02128

Frederick A. Laskey
Executive Director

Chair: R. Tepper
Vice-Chair: A. Pappastergion
Secretary: B. Peña
Board Members:
P. Flanagan
J. Foti
B. Swett
L. Taverna
H. Vitale
J. Walsh
P. Walsh
J. Wolowicz

BOARD OF DIRECTORS' MEETING

Telephone: (617) 242-6000
Fax: (617) 788-4899
TTY: (617) 788-4971

Date: Wednesday, November 19, 2025
Time: 1:00pm
Location: Deer Island Reception/Training Building, 1st Floor
33 Tafts Avenue – Favaloro Meeting Room
Boston, MA 02128

Photo ID required for entry.

This meeting will also be held virtually on Webex.

Webex meeting link (registration required)

<https://mwra.webex.com/weblink/register/rc3246742636b44f5f6a2d83f02576878>

Meeting number: 2343 278 8653

Password: 11192025

AGENDA

I. APPROVAL OF MINUTES

II. REPORT OF THE CHAIR

III. REPORT OF THE EXECUTIVE DIRECTOR

IV. ADMINISTRATION, FINANCE AND AUDIT

A. Information

1. Delegated Authority Report – October 2025
2. First Quarter FY2026 Orange Notebook
3. FY2026 Financial Update and Summary through October 2025

V. WASTEWATER POLICY AND OVERSIGHT

A. Contract Awards

1. Modeling of Massachusetts Bay Water Quality: Four Peaks Environmental Science & Data Solutions LLC, Contract OP-499

B. Contract Amendments/Change Orders

1. Boiler and Water Heater Service, American Refrigeration Company, LCC, Contract OP-463, Change Order 2

VI. WATER POLICY AND OVERSIGHT

A. Information

1. Update on Lead and Copper Rule Compliance – Fall, 2025

B. Approvals

1. Emergency Water Supply Agreement with the Town of Wayland

VII. PERSONNEL AND COMPENSATION**A. Approvals**

1. PCR Amendments – November 2025
2. Appointment of Michael Guarin, Workplace Investigations

VIII. CORRESPONDENCE TO THE BOARD**A. Correspondence regarding the Draft Updated Long Term CSO Control Plan**

- November 13, 2025 letters and attachments from A Better City; Charles River Watershed Association; Esplanade Association; Save the Alewife Brook
- November 3, 2025 e-mail from Joshua Matthews
- November 4 2025 e-mail from Susan Trotz
- November 5, 2025 e-mail from Deirdre O'Brien
- November 8, 2025 e-mail from Valerie Masin
- November 9, 2025 e-mail from Ames Abbot
- November 11, 2025 e-mails from Alyssa Lary; Emily Beinecke; Leili Towfigh; Meryl Perlson; Michelle Scott; Neil Silverman; Stephanie Melikian
- November 12, 2025 e-mails from Amy Kaczur; Ann Houseman; Ari Adland; Bambi Good; Cara Foster Karim; Chris Houseman; Connor Rouge-Burke; Glennon Beresin; Jeanette Minyaoui; Jill Richard; Joanne Michel; Katie Donnelly; Kirsty Bennett; Rob Klein; Robert Saoud; Virginia Bove
- November 13, 2025 e-mails from Alex Barat; Alice Wiseberg; Andy Breeding; August Felso; Cecilia Velander; Charlotte Dale; Chloe Lewis; Cindy Larson; David Brick; Erin O'Connell; Frédérique Bienfait, MD; Jean M. Devine; Janice Bickley; Jennifer and Kyle Angstadt; Jennifer K. Firreno; Jerry Zadow; Jessie M. English, PhD; Jillian Zieff; Joe Cipolla; John Steinberg; John Tracey; Jordan Claman; Kate Evenson; Kerry Graham; Kiely MacMahon; Kris Collins; Laura Spark; Leo Martin; Liane Douglas; Matthias Fischer; Megan Callahan; Michael Richardson-Bach; Nick King; Pete Morelli; Rachel DeLucas; Ragan McNeely; Ray Orfan; Sarah Kacevich; Serena Blacklow; Shannon Ames; Tricia Carney; W. David Lee; Zola Solamente
- Additional correspondence

IX. OTHER BUSINESS**X. EXECUTIVE SESSION**

- i. Approval of the October 22, 2025 Executive Session Minutes

A. Real Estate

1. Watershed Land Acquisition Approval

B. Litigation

To discuss strategy with respect to litigation:

1. *Massachusetts Natural Fertilizer Co., Inc. et al claims; Massachusetts Natural Fertilizer Co., Inc. et al. v. MWRA et al., Worcester Superior Ct. No. 2585CV00439; Trina Brasili v. The Newark Group, Inc. et al., Worcester Superior Ct. No. 2585CV00370*
2. *U.S. v. M.D.C., et al., USDC (Mass) No. 85-0489-RGS (Boston Harbor Case)*

XI. ADJOURNMENT

MASSACHUSETTS WATER RESOURCES AUTHORITY

Meeting of the Board of Directors

October 22, 2025

A meeting of the Massachusetts Water Resources Authority (MWRA) Board of Directors was held on October 22, 2025 at MWRA's Administration Facility in Chelsea and via remote participation.

Chair Tepper presided from MWRA's Chelsea Administration Facility. Board Members Peña, Taverna, Vitale and Patrick Walsh participated at the Administration Facility. Board Members Foti, Pappastergion, Swett and Wolowicz participated remotely. Board Members Flanagan and Jack Walsh were absent.

MWRA Executive Director Frederick Laskey attended at the Chelsea Administration Facility. General Counsel Carolyn Francisco Murphy; Deputy Chief Operating Officers Stephen Cullen and Rebecca Weidman; Director of Finance Thomas Durkin; Director of Administration Michele Gillen; Deer Island Treatment Plant Director David Duest; Director of Environmental and Regulatory Affairs Colleen Rizzi; Senior Program Manager, Planning Michael O'Keefe; Environmental Quality Director David Wu; Budget Director Michael Cole; Internal Audit Director Claude Cormier; Deputy Finance Director/Treasurer Matthew Horan; Procurement Director Douglas Rice; MIS Director Paula Weadick; Human Resources Director Wendy Chu; Chief of Staff Katherine Ronan; Associate General Counsel Angela Atchue; Technical Support Manager Michael Curtis; and Assistant Secretary Kristin MacDougall were among the staff who also attended at the Chelsea Administration Facility.

Vandana Rao, EEA, attended at MWRA Headquarters and Matt Romero, MWRA Advisory Board, attended remotely.

Chair Tepper called the meeting to order at 1:05pm.

ROLL CALL

MWRA General Counsel Francisco Murphy took roll call of Board members in attendance and announced that Board Members Foti, Swett and Wolowicz were participating remotely. The Chair announced that the meeting was being held at MWRA's Chelsea Administration Facility and virtually, via a link posted on MWRA's website. She added that the meeting was being recorded, and that the agenda and meeting materials were available on MWRA's website.

APPROVAL OF SEPTEMBER 17, 2025 MINUTES

A motion was duly made and seconded to approve the minutes of the Board of Directors' meetings of September 17, 2025.

Chair Teppner asked if there was any question or discussion from the Board. Hearing none, she requested a roll call vote in which the members were recorded as follows:

<u>Yes</u>	<u>No</u>	<u>Abstain</u>
Tepper		
Foti		
Peña		
Swett		
		Taverna
Vitale		
P. Walsh		
Wolowicz		

(ref. I)

REPORT OF THE CHAIR

Annual Meeting: Election and Appointment of MWRA Officers, and Committee Assignments

Chair Teppner duly moved to designate this October 22, 2025 meeting as the Annual Meeting, which, as provided in the Authority's By-Laws, will be deemed a special meeting of the Board for the purpose of the election of officers.

The Chair also moved to elect Andrew M. Pappastergion as Vice Chairman of the Board; to appoint Brian Peña as Secretary of the Board and Kristin MacDougall and Katherine Ronan as Assistant Secretaries; to appoint Matthew Horan as Treasurer; to appoint William Kibaja and Michael Cole as Assistant Treasurers; and, to ratify the appointments of Board members to standing Committees, as set forth in the October 22, 2025 Staff Summary presented and filed with the records of this meeting. New Committee Chairs will be appointed approximately every two years.

Chair Teppner asked if there was any discussion or questions from the Board. Hearing none, she requested a roll call vote in which the members were recorded as follows:

<u>Yes</u>	<u>No</u>	<u>Abstain</u>
Tepper		
Foti		
Peña		
Swett		
Taverna		
Vitale		
P. Walsh		
Wolowicz		

(ref. II)

REPORT OF THE EXECUTIVE DIRECTOR

MWRA Executive Director Fred Laskey welcomed Emily Norton and Stefan Geller of the Charles River Watershed Association to the meeting. He reported that MWRA's Subordinate Bonds Credit Rating has been upgraded, congratulated staff for a job well done, and highlighted the rating's value to a strong fiscal position.

Mr. Laskey then presented a brief update on the Section 89 Pipeline project in Stoneham, noting it represents a big step forward for MWRA's water system. Next, he expressed concern about DCR discussions regarding using pesticides in the watersheds to combat invasive species and noted he hopes to meet with the Commissioner on this matter.

Finally, Mr. Laskey announced the upcoming retirement of David Duest, MWRA Deer Island Treatment Plant (DITP) Director. Mr. Duest offered remarks, thanking Board Members and colleagues for their support and contributions to MWRA's mission. (ref. III)

EXECUTIVE SESSION

Chair Tepper requested that the Board move into Executive Session to discuss real estate, security and litigation, since discussing such in Open Session could have a detrimental effect on the negotiating, security and litigating positions of the Authority. She announced that the planned topics for Executive Session were a watershed land acquisition; a security briefing; and discussion with respect to litigation for the variance appeals pending at the OADR and Superior Court relating to the Alewife Brook/Upper Mystic and Charles Rivers as well as the federal court Boston Harbor case. She advised that the Board would return to Open Session after the conclusion of Executive Session.

A motion was duly made and seconded to enter Executive Session for these purposes, and to resume Open Session after Executive Session adjournment.

General Counsel Francisco Murphy reminded Board members that under the Open Meeting Law members who were participating remotely in Executive Session must state that no other person is present or able to hear the discussion at their remote location. A response of "yes" to the Roll Call to enter Executive Session when their name was called would also be deemed their statement that no other person was present at their remote location or able to hear the Executive Session discussion.

Upon the motion duly made and seconded, a roll call vote was taken in which the members were recorded as follows:

<u>Yes</u>	<u>No</u>	<u>Abstain</u>
Tepper		
Foti		
Peña		
Swett		

<u>Yes</u>	<u>No</u>	<u>Abstain</u>
Taverna		
Vitale		
P. Walsh		
Wolowicz		

Voted: to enter Executive Session, and to resume Open Session after Executive Session adjournment.

*** EXECUTIVE SESSION ***

The meeting entered Executive Session at 1:15pm and adjourned at 1:49pm.

(Mr. Pappastergion joined the meeting during Executive Session)

*** CONTINUATION OF OPEN SESSION ***

WASTEWATER POLICY AND OVERSIGHT

Information

Public Engagement and Involvement for Development of the Draft Updated CSO Control Plan

Michael O’Keefe, MWRA Program Manager, Planning, discussed ongoing public engagement and involvement activities in support of the development of the Draft Updated Combined Sewer Control (CSO) Plan undertaken by MWRA and the Cities of Cambridge and Somerville (“Partners”) as detailed in the Staff Summary and presentation slides for this meeting.

Mr. O’Keefe relayed the project Partners’ efforts to address the concerns of a wide range of stakeholders who stood to be impacted by the Updated CSO Control Plan, such as receiving water users, project abutters, and ratepayers. He described an ongoing series of public meetings; continued meetings with watershed groups; and outreach to environmental justice populations.

Mr. O’Keefe reviewed the next steps for the Draft Updated CSO Control Plan, including submittal to EPA and DEP by December 31, 2025; a subsequent regulatory review and comment period; and a public meeting and hearing. He noted that staff had given an informational presentation on CSOs to Board members on September 17, 2025 (ref. V.A) and were planning an October 29 Board of Directors’ meeting to discuss the Partners’ recommended alternatives.

Mr. Peña suggested using alternative platforms for public engagement.

Hearing no further discussion or questions from the Board, Committee Chair Patrick Walsh moved to the next Information item. (ref. V A.1)

2024 Deer Island Outfall Monitoring Overview

David Wu, MWRA Environmental Quality Director, reviewed MWRA's Outfall Monitoring results for Massachusetts Bay in 2024 as presented in the Staff Summary and slides for this meeting. He provided background and an overview of the Outfall Monitoring Program, and key results for effluent, water column, benthic soft bottom communities, and fish and shellfish.

Mr. Wu also discussed the Outfall Contingency Plan and threshold exceedances in 2024 and 2025. He noted that the 2024 caution-level exceedance for effluent nitrogen was under investigation; the 2025 exceedance for *Alexandrium* ("red tide") has been determined to be the result of natural occurrence; and a June 2025 toxicity test failure is a likely outlier, as samples taken in July, August and September met permit limits; however, staff continue to monitor.

Hearing no discussion or questions from the Board, Mr. Walsh moved to the next Information item. (ref. V A.2)

MWRA Industrial Waste Report #41: Industrial Pretreatment Program Annual Report to EPA for FY25

Matthew Dam, MWRA TRAC Director, presented an overview of the Annual Industrial Waste Report for Fiscal Year (FY) 2025, as detailed in the Staff Summary and slides for this meeting. He discussed EPA's Pretreatment Annual Report requirements including report submission through a new electronic portal. He summarized the FY25 Report and highlighted the reassessment of technically based industrial discharge limits (local limits). He noted the reassessment is expected to be complete within six months, and any resulting recommended changes to local limits would require regulatory approval.

In response to a question from Mr. Taverna, Mr. Dam explained that Industrial Pretreatment Program permit fees are subject to regulation; are set to rise by 3% every fiscal year; and the current fee schedule extends through FY29. There was brief discussion about the processes for enforcing MWRA permit violations and reporting to EPA.

Hearing no further discussion or questions from the Board, Mr. Walsh moved to the next Information item. (ref. V A.3)

ADMINISTRATION, FINANCE AND AUDIT
InformationDelegated Authority Report – September 2025

Committee Vice-Chair Vitale invited Board Members' questions about the September 2025 Delegated Authority Report.

Hearing none, he moved to the next Information Item. (rev VI A.1)

FY26 Financial Update and Summary through September 2025

Michael Cole, MWRA Budget Director, summarized financial highlights for the first quarter of FY26, as presented in the Staff Summary for this meeting. He reported on the Current Expense Budget (CEB) variance, which is consistent with FY25 levels, and noted that variance drivers such as wages and salaries, fringe benefits and watershed reimbursements have carried over from FY25. He also discussed the Capital Improvement Program (CIP) variance, reporting that it has improved over the last year.

Mr. Vitale inquired about the allocation of employee insurance premium costs. Mr. Cole relayed that new employees contribute 25% of the cost with a subset of longer-term employees paying 20%; he advised that staff would follow up with more details about life and dental insurance premium allocations. [Staff provided follow-up during the PCR Amendments discussion later in this meeting (ref. VII A.1)].

Mr. Vitale requested more information about FY26 overspending for maintenance. Mr. Cole explained that it is mostly attributable to timing, and staff expect the variance to smooth out over the fiscal year.

In response to an additional question from Mr. Vitale, Mr. Cole relayed that higher Eversource Energy pricing noted in the Staff Summary was associated with peak rates; however, he could not provide exact figures at this time.

Hearing no further discussion or questions from the Board, Mr. Vitale moved to the next information item. (ref. VI A.2)

Internal Audit Department Activities Report – FY2025

Claude Cormier, MWRA Internal Audit Director, reported on FY25 Internal Audit Department Activities as detailed in the Staff Summary. He provided background on the Internal Audit Department, highlighted the results of some internal audits and summarized management advisory services recommendations.

There was discussion with questions and answers about reporting, recommendation and follow-up procedures for management advisory services.

In response to Mr. Vitale's questions regarding MWRA's fringe benefit rate and indirect overhead rates for the Authority's Engineering and Operations Departments, Mr. Cormier advised that staff provide this information at a later date.

At Mr. Vitale's request, Matthew Horan, Deputy Finance Director and Treasurer, provided more information about the recent bond transaction that Mr. Laskey mentioned in his Report (ref. III).

In response to questions from Mr. Pappastergion, Mr. Cormier relayed that staff expect to complete an audit on the Chelsea lease during the second quarter of FY26 and would

present the results to Board members.

There was discussion with questions and answers about consulting fee processes and findings.

Hearing no further discussion or questions from the Board, Mr. Vitale moved to the next Contract Amendments/Change Orders. (ref. VI A.3)

Contract Amendments/Change Orders

Automated Vehicle Locator Tracking System (AVL): Insight Mobile Data, Inc., Contract VEH116, Amendment 2

A motion was duly made and seconded to authorize the Executive Director, on behalf of the Authority, to approve Amendment 2 to Contract WRA-5027, Automated Vehicle Locator Tracking System, with Insight Mobile Data, Inc., increasing the contract amount by \$289,434.60 from \$449,348.10 to \$738,782.70 and extending the contract term by three years, from November 29, 2025 to November 28, 2028.

Douglas Rice, MWRA Procurement Director, provided background on an existing Automated Vehicle Locator Tracking System (AVL) contract with Insight Mobile Data, Inc., as detailed in the Staff Summary. He requested Board approval to increase the contract amount and extend the contract by three years.

Mr. Peña asked why staff were seeking a 36-month amendment rather than procuring a new contract. Mr. Rice explained that the initial three-year contract had no option to renew; last year delegated authority extended the contract for 11-months; and staff believe an amendment is in MWRA's best interest because the existing AVL hardware is still operational. Mr. Pena further inquired whether changes to standard contract language can be made by way of amendment. Mr. Rice responded in the affirmative.

In response to a question from Mr. Vitale concerning preventative maintenance, Mr. Rice advised that he did not believe this AVL system could create work orders from this program. Mr. Vitale asked if the system has cameras, and if so had MWRA evaluated the use of cameras in fleet vehicles. Michele Gillen, MWRA Director of Administration responded that cameras in vehicles had not been contemplated, and doing so would require union negotiations similar to those regarding use of AVL as a secondary investigation tool.

Mr. Vitale asked if MWRA's AVL system was connected to Verizon services. Paula Weadick, MWRA MIS Director, explained that a prior AVL contract used a Verizon solution, but this procurement through the state blanket contract had two vendors on it, but such does not include Verizon.

(Mr. Taverna left and returned to the meeting during the discussion.)

Chair Tepper asked if there was any further discussion or questions from the Board. Hearing none, she requested a roll call vote in which the members were recorded as follows:

<u>Yes</u>	<u>No</u>	<u>Abstain</u>
Tepper		
Foti		
Pappastergion		
Peña		
Swett		
Taverna		
Vitale		
P. Walsh		
Wolowicz		

(ref. VI B.1)

PERSONNEL AND COMPENSATION

Approvals

October 2025 PCR Amendments

A motion was duly made and seconded to approve amendments to the Position Control Register (PCR) as presented in the October 22, 2025 Staff Summary and filed with the records of this meeting.

Referring to an earlier question asked by Mr. Vitale during the Financial Update and Summary discussion (ref. VII A.2) Wendy Chu, MWRA Human Resources Director, relayed that MWRA pays 80% of health and basic life insurance costs for employees hired before July 1, 2003, and 75% for those hired after that date. She added that MWRA does not differentiate payment allocations for dental insurance.

Ms. Chu then requested Board approval for a title and grade change in the Operations Division to ensure internal pay equity per union agreement, as presented in the Staff Summary.

Chair Tepper asked if there was any discussion or questions from the Board. Hearing none, she requested a roll call vote in which the members were recorded as follows:

<u>Yes</u>	<u>No</u>	<u>Abstain</u>
Tepper		
Foti		
Pappastergion		
Peña		
Swett		
Taverna		

Yes No Abstain

Vitale

P. Walsh

Wolowicz

(ref. P&C A.1)

Appointment of Manager, Benefits & HRIS

A motion was duly made and seconded to approve the appointment of Ms. Tara Taylor to the position of Manager, Benefits & HRIS (Non-Union, Grade 14) in the Administration Division, at an annual salary of \$146,250, commencing on a date to be determined by the Executive Director.

Ms. Chu explained that this position will fill a vacancy due to an upcoming retirement. She described the position's work responsibilities; the job posting and selection process; and the recommended candidate's experience and qualifications as detailed in the Staff Summary.

There was brief discussion about the use of the phrase "any equivalent combination of education and experience" on job postings.

Chair Tepper asked if there was any further discussion or questions from the Board. Hearing none, she requested a roll call vote in which the members were recorded as follows:

Yes No Abstain

Tepper

Foti

Pappastergion

Peña

Swett

Taverna

Vitale

P. Walsh

Wolowicz

(ref. P&C A.1)

CORRESPONDENCE TO THE BOARD

There was no Correspondence to the Board (ref. VIII)

OTHER BUSINESS

There was no Other Business. (ref. IX)

ADJOURNMENT

A motion was duly made and seconded to adjourn the meeting.

Hearing no discussion or questions from the Board, Chair Tepper requested a roll call vote in which the members were recorded as follows:

<u>Yes</u>	<u>No</u>	<u>Abstain</u>
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Tepper		
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Foti		
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Pappastergion		
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Peña		
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Swett		
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Taverna		
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Vitale		
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P. Walsh		
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Wolowicz		
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(ref. X)

The meeting adjourned at 2:45pm.

Approved: November 19, 2025

Attest:

Brian Peña, Secretary

LIST OF DOCUMENTS AND EXHIBITS USED

- Draft Minutes of the October 22, 2025 MWRA Board of Directors Meeting (ref. I)
- October 22, 2025 Staff Summary – Annual Meeting: Election and Appointment of MWRA Officers, and Committee Assignments (ref. II.A)
- Presentation – Northern Intermediate High Redundancy Update (ref. III)
- October 22, 2025 Staff Summary and Presentation – Public Engagement and Involvement for Development of the Draft Updated CSO Control Plan (ref. V A.1)
- October 22, 2025 Staff Summary and Presentation – 2024 Deer Island Outfall Monitoring Overview (ref. V A.2)
- October 22, 2025 Staff Summary and Presentation – MWRA Industrial Waste Report #41: Industrial Pretreatment Program Annual Report to EPA for FY25 (ref. V A.3)
- October 22, 2025 Staff Summary – Delegated Authority Report – September 2025 (ref. VI A.1)
- October 22, 2025 Staff Summary and Presentation – FY26 Financial Update and Summary through September (ref. VI A.2)

- October 22, 2025 Staff Summary and Presentation – Internal Audit Department Activities Report – FY2025 (ref. VI A.3)
- October 22, 2025 Staff Summary – Automated Vehicle Locator Tracking System (AVL) Insight Mobile Data, Inc. Contract VEH116, Amendment 2 (ref. VI B.1)
- October 22, 2025 Staff Summary – October 2025 PCR Amendments (ref. VIII A.1)
- October 22, 2025 Staff Summary – Appointment of Manager, Benefits & HRIS (ref VII. A.2)

MASSACHUSETTS WATER RESOURCES AUTHORITY

Meeting of the Board of Directors

October 29, 2025

A meeting of the Massachusetts Water Resources Authority (MWRA) Board of Directors was held on October 29, 2025 at MWRA's Administration Facility in Chelsea and via remote participation.

Chair Tepper presided from MWRA's Chelsea Administration Facility. Board Members Flanagan, Pappastergion, Taverna, Vitale and Patrick Walsh participated at the Administration Facility. Board Members Swett and Wolowicz participated remotely. Board Members Foti, Peña, and Jack Walsh were absent.

MWRA Executive Director Frederick Laskey attended at the Chelsea Administration Facility. General Counsel Carolyn Francisco Murphy; Deputy Chief Operating Officers Stephen Cullen and Rebecca Weidman; Director of Finance Thomas Durkin; Director of Administration Michele Gillen; Chief Engineer Brian Kubaska; Director of Environmental and Regulatory Affairs Colleen Rizzi; Senior Program Manager, Planning, Michael O'Keefe; Director of Environmental Quality David Wu; Program Manager, Environmental Monitoring Chris Goodwin; Deputy Finance Director/Treasurer Matthew Horan; Chief of Staff Katherine Ronan; Associate General Counsel Angela Atchue; Technical Support Manager Michael Curtis; and Assistant Secretary Kristin MacDougall were among the staff who also attended at the Chelsea Administration Facility.

Vandana Rao, EEA and Matt Romero, MWRA Advisory Board attended at the Chelsea Administration Facility.

Chair Tepper called the meeting to order at 10:01am.

ROLL CALL

MWRA General Counsel Francisco Murphy took roll call of Board members in attendance and announced that Board Member Wolowicz was participating remotely. The Chair announced that the meeting was being held at MWRA's Chelsea Administration Facility and virtually, via a link posted on MWRA's website. She added that the meeting was being recorded, and that the agenda and meeting materials were available on MWRA's website.

INTRODUCTION

Chair Tepper thanked staff for preparing for this meeting, and Board members for their participation. MWRA Executive Director Fred Laskey briefly discussed the importance of the Draft Updated Combined Sewer Overflow (CSO) Control Plan and welcomed representatives of Watershed Groups to the meeting. (Mr. Swett joined the meeting).

WASTEWATER POLICY AND OVERSIGHT

Introduction

Kathleen Murtagh, MWRA Chief Operating Officer, outlined the topics to be covered during the meeting; and noted the agenda included time for questions, and that staff would follow up on any questions that could not be answered immediately. She also noted that this meeting was for informational purposes only, and that the Board would not be expected to vote with respect to a recommended Draft Updated CSO Control Plan at this time. She provided a summary of the Plan's submittal and review schedule.

Background

Brian Kubaska, Chief Engineer, provided background on MWRA's CSO Control achievements to date as detailed in the Staff Summary and presentation slides for this meeting. He discussed completed projects; MWRA CSO investments to date by receiving water; system-wide CSO reductions since the start of the CSO Control Program; the locations of variance water CSOs, and variance water requirements. (Mr. Taverna joined the meeting).

Mr. Pappastergion requested that staff provide Board members with copies of the presentation slides. (Staff distributed hard copies during the meeting.)

Water Quality

David Wu, MWRA Director of Environmental Quality, discussed water quality factors for consideration, including sources of pollution; how water quality is assessed with modeling; and preliminary modeling results for the Charles, Mystic and Alewife Brook, as presented in the Staff Summary and meeting slides.

In response to a question from Chair Tepper, Mr. Wu confirmed that the water quality models used reflect the expected impacts of increased rainfall from climate change on the existing MWRA sewer system.

In response to question from Mr. Taverna about the derivation of the "time in compliance" tables. Mr. Wu confirmed that the benchmark of 410 E. coli per 100mL was based in the state water quality standards.

Next, Chris Goodwin, MWRA Program Manager for Environmental Monitoring, presented a summary of preliminary water quality impacts of acute analyses from CSOs as detailed in the Staff Summary and presentation slides for this meeting.

There were questions and answers about the analyses' assumptions and findings, including for worst-case, maximum E. coli water quality impacts in a 2050 typical year.

Levels of Control

Mr. Kubaska reviewed the levels of control considered in the Draft Updated CSO Control Plan, and the available tools used to develop remediation alternatives for the remaining

CSO outfalls in the variance waters, as further outlined in the Staff Summary and slides for this meeting. Mr. Kubaska further discussed the climate change considerations; the four levels of control evaluated; and the general components of an alternative; and tools for controlling CSOs (sewer separation, green stormwater infrastructure, storage, conveyance and a regional tunnel) and provided examples of such tools in the presentation slides. Mr. Kubaska also noted locations of tunnel launch sites for the Alewife and Charles alternatives.

In response to a question from Mr. Taverna, Mr. Kubaska described characteristics of a microtunnel. Mr. Taverna asked if staff had considered relief or parallel sewers as a means of CSO control. Mr. Kubaska explained that relief sewers were not feasible for the Alewife Brook system primarily due to existing system capacity constraints within the downstream system, and the scale of an undertaking to increase the capacity all the way through to the DITP treatment plant.

Public Engagement

Michael O'Keefe, MWRA Senior Program Manager, Planning, discussed ongoing public outreach efforts for the Draft Updated CSO Control Plan, such as public meetings; meetings with watershed groups; outreach to environmental justice populations; and the solicitation and integration of stakeholder input, as further described in the Staff Summary and presentation slides for this meeting. He also briefly discussed the integration of stakeholder input in the draft plan (e.g., act with urgency for both short and long-term solutions; green infrastructure; impacts of climate change) and noted that this topic was previously presented at the October 22, 2025 Board of Directors' meeting.

Alternatives Development

Colleen Rizzi, MWRA Director of Environmental and Regulatory Affairs, outlined the alternatives development process as presented in the Staff Summary and slides for this meeting (considerations before concepts were developed, initial development and screening of technologies, assessment of opportunities to address multiple outfalls with a single control tool, optimization of combination of control tools and assessment of elimination of discharges). Referencing the power point slides Ms. Rizzi described the summary of alternatives under consideration for the Alewife Brook, Mystic River and Charles River.

Mr. Taverna asked if the use of Green Stormwater Infrastructure (GSI) is included in more alternatives than those highlighted during the presentation. Ms. Rizzi responded in the affirmative and provided some examples, namely in alternatives with sewer separation which lends itself to GSI. Mr. Kubaska added that when evaluating alternatives the team didn't see significant impacts to infrastructure sizing when adding GSI. Ms. Rizzi noted that future incorporation of GSI has not been precluded from alternatives and could be added in the future as opportunities and benefits present themselves.

Alternatives Evaluation and Scoring

Ms. Rizzi then presented the alternatives evaluation/selection considerations including discussion on the benefits criteria and scoring; and alternatives evaluation and selection considerations. Referencing the power point slides she outlined the components of the benefits criteria and provided an example of a scoring for an Alewife Brook alternative of 0 CSOs in the 2050 Typical Year.

In response to a question from Chair Pepper, Ms. Rizzi confirmed that the meeting slides on the scoring rubrics were synopses of the detailed rubrics included in the Staff Summary for this meeting. There was general discussion about the scoring process and how the alternatives were weighted based on different priorities that may exist among stakeholders to perform a sensitivity analysis of the criteria. There was also discussion on how some factors such as cost, as well as regulatory and land acquisition risks were considered in addition to the scoring criteria.

Chair Pepper asked why these factors were considered in parallel. Ms. Rizzi explained that the CSO Project Partners (MWRA, Cambridge and Somerville) did not want the factors of cost and regulatory/land acquisition risks to drive the alternatives assessment process; however, land acquisition risks did ultimately influence the selection of an alternative where work would have taken place in Davis Square, Somerville as an example (see the *Recommended Alternatives* section of these minutes for more information).

Chair Pepper asked if the water quality scoring for the Limited Control alternatives included different scoring for how well they reduce CSOs. Ms. Rizzi responded in the affirmative and further explained the criterion.

Mr. Taverna asked if sensitivity analysis was performed for each alternative. Ms. Rizzi explained that it was performed for the alternatives in the zero CSOs in a 2050 typical year level of control category in each water body.

Recommended Alternatives

Ms. Rizzi presented the alternatives under consideration for the Draft Updated CSO Control Plan including estimated costs; timelines; benefits; and recommended alternatives for each water body as presented in the Staff Summary and meeting slides. She noted that the CSO Project Partners recognize that the recommended alternatives may evolve as a result of the regulatory review and public comment process that will follow the submittal of the Draft Updated CSO Control Plan at the end of December 2025.

In response to a question from Mr. Pappastergion regarding why some Alewife Brook alternatives presented were not recommended, Ms. Rizzi explained that alternatives 1.AB Integrated and 2.AB Hybrid 1 require 1-3 acres of land in Davis Square, Somerville for constructed wetland, and acquiring that large of an area of land in a dense residential and commercial area would be unlikely. Mr. Pappastergion asked if the alternatives 1.AB

Integrated and 2.AB Hybrid 2 were not selected because of the improbability of building them. Ms. Rizzi responded in the affirmative. She then described the recommended alternative for Alewife Brook (3 AB Hybrid 2), with zero CSOs in a 2050 typical year.

Mr. Pappastergion asked if the estimated costs for each alternative represented MWRA's costs or total costs. Ms. Rizzi relayed that they represented total costs. Mr. Patrick Walsh asked if the costs included both design and construction. Ms. Rizzi explained the costs were for capital design and construction.

Mr. Pappastergion also requested the estimated number of CSO activations predicted for the recommended Mystic River alternative (6a.MR Hybrid 1) in a 2050 typical year, versus the non-selected alternatives. Ms. Rizzi relayed that 6a.MR Hybrid 1 is expected to result in approximately two activations with 6.8 million gallons of discharge annually, versus 8 activations and 29 million gallons annually if no new CSO control measures were implemented. Mr. Pappastergion inquired about estimated CSO volumes and activations to the Mystic for a 2050 5-year storm and a 2050 25-year storm. Mr. Kubaska explained that staff expect activations under those scenarios; however, model runs of these conditions had not yet completed, and this information would be provided at a later date.

In response to Mr. Pappastergion's question about the estimated number of 2050 typical year activations for the recommended Charles River alternative (8.CR Hybrid 1), Ms. Rizzi relayed that staff expect approximately four activations annually, with a total discharge volume of 26.81 million gallons (treated) and 2.59 million gallons (untreated).

In response to a question from Mr. Patrick Walsh, Ms. Rizzi explained that alternative 8.CR Hybrid 1 would take approximately 23-28 years from design to complete due in part to the use of sewer separation; however, some noticeable benefits could be achieved within 5-7 years.

There was discussion with questions and answers about how factors such as larger storms from climate change, groundwater elevations and system capacity were considered with to assessing sewer separation alternatives.

Mr. Swett advised on the importance of stress testing the design storm models for each alternative to avoid potentially underestimating the volume and frequency of future storms. Mr. Kubaska relayed that stress testing models have not been run yet; modeling is the best tool available for estimating large storm events; and models of this scale are technically challenging.

Mr. Kubaska indicated that expandability to allow for future modifications if needed to address factors such as climate change is a key factor for selecting the recommended alternatives.

Projected CSO Reduction

Mr. Kubaska summarized how the recommended alternatives are projected to perform over time and presented the expected CSO reductions for the Alewife Brook and Mystic River if the recommended alternatives had been in place from 2015-2024, as presented in the materials for this meeting. He noted that the model for corresponding analysis for the Charles River was not yet complete.

At Chair Tepper's request, Mr. Kubaska and MWRA Deputy Chief Operating Officer Stephen Cullen sought to clarify the information presented on two slides concerning projected performance (i.e. Plan performance -2050 Typical Year) and anticipated 2015-2014 CSO reductions (i.e. , Plan performance Historical record Alewife Brook), and Mr. Kubaska advised that staff would work to better respond to the questions presented and provide more clarity in the future.

Cost Sharing Methodologies

Mr. Kubaska reviewed the negotiations, methodologies and distributions for cost sharing among the Project Partners as detailed in the Staff Summary and presentation slides for this meeting. During his presentation, Mr. Kubaska relayed that staff recommend an approximate distribution of an estimated \$870 million for the recommended alternatives allocated at 31% for Cambridge, 22% for Somerville and 47% for MWRA. He advised that these figures had been updated since the Staff Summary for this meeting was originally published and, therefore, differ slightly; additionally, the costs and distributions are preliminary and could change pending the outcome of the review and approval processes for the alternatives and Draft Updated CSO Control Plan.

Financial Considerations

Next, Matthew Horan, MWRA Deputy Finance Director/Treasurer, outlined the projected financial impacts of the recommended alternatives as outlined in the Staff Summary and slides for this meeting. His presentation included discussion of anticipated impacts to debt service, MWRA community wastewater assessments (wholesale sewer rates), and ratepayers. He noted that MWRA's ratepayer impact analysis does not include potential added charges by customer communities to fund local work.

Chair Tepper asked if the financial impacts information presented would be submitted with the Draft Updated CSO Control Plan to EPA as part of the Financial Capability Analysis (FCA). Mr. Horan and Mr. Kubaska explained that the EPA requires the FCA to be submitted in a specific format ; however, staff plan to include additional information on financial and rates impacts with the Draft Plan submittal. Mr. Laskey stressed the importance of the Draft Plan's affordability.

Next Steps

Ms. Murtagh reviewed the CSO Partners' efforts to develop a balanced approach for

updated CSO control, including the solicitation, consideration and incorporation of stakeholder feedback.

She noted that staff believe that the recommended alternatives strike the right balance between many competing factors, including a forward-looking approach to climate change; the protection of the environment and public health; ability to implement the projects; achievement of water quality improvements sooner than later; limitation of stormwater in the MWRA system; the management construction complexity and control of project risk; limited impacts on neighborhoods; protection of existing open and recreational space; and, affordability for ratepayers.

Ms. Murtagh added that the recommended alternatives also offer stakeholders green infrastructure to improve resiliency, reduce flooding and provide community co-benefits as appropriate. She advised that the Updated CSO Control Plan would have a strong influence on MWRA's rates for generations, costing real money for real families.

Finally, Ms. Murtagh then outlined the next steps for the Draft Updated CSO Control Plan as discussed in the Staff Summary and presentation materials for this meeting. She described upcoming milestones, including submittal of the recommended Draft Plan by December 31, 2025 and subsequent public comment period. She noted that staff envision the recommended alternatives would evolve based on feedback from the wider public, and the Final Plan is scheduled to be submitted to EPA and DEP in January 2027.

Chair Tepper thanked staff for their presentation and encouraged Board Members to reach out to MWRA staff with any additional questions.

(Mr. Taverna left and returned to the meeting during the presentation, Mr. Swett left the meeting during the Financial Considerations section, and Ms. Wolowicz left the meeting during the Next Steps section.) (ref. I.A)

CORRESPONDENCE TO THE BOARD

The Chair announced that the MWRA Board of Directors had received correspondence from the Mystic River Watershed Association (MyRWA) and a letter and petition from the Charles River Watershed Association (CRWA). She invited representatives of those organizations to briefly speak. Mr. Patrick Herron from MyRWA and Ms. Emily Norton from CRWA offered remarks and referenced their respective correspondence, as well as the petition.

Mr. Herron expressed appreciation for the work of MWRA; he briefly described the MyRWA communities and referred to MyRWA as active participants in the process as well as stewards of the River for more than 50 years. Next, Mr. Herron expressed significant disappointment in the outcome of the process that led to the preferred alternative; he asked that his statements not be misunderstood; he raised issues of concern, including

CSO discharge, LTCP for the facility; not keeping up with the climate change; discharge of CSOs into Alewife Brook; changing the River's classification; and urged the Board to challenge MWRA to do more than what is offered currently for the inland waterways and compared efforts to those that led to a thriving Boston Harbor.

Next, Ms. Norton spoke on behalf of the CRWA Board of Directors, members, supporters and the millions more who reside in Boston and use the Charles River; she relayed dismay and criticized the recommendations presented to the MWRA Board; she detailed the partnership, efforts of the CRWA and shared goal of a clean and healthy Charles River. Ms. Norton expressed concerns about current CSO discharges as well as proposed CSOs in the future; she compared the differences between stormwater and sewage; and further described public health issues following CSO discharges. Ms. Norton noted CRWA will be reviewing the modeling numbers/data shown today. She described discussions with the public and how they use the Charles River and the importance of a swimmable River. She commented on the communities who are financially invested in reducing stormwater and efforts to clean the Charles River; respect for rate responsibility, but not at the expense of the Charles River not being swimmable and safe for various public uses. She asked the Board to direct the MWRA staff to engage in efforts that would be a model for the Country and work together with CRWA and other organizations to improve and protect the Charles River. (ref. II.A and B)

OTHER BUSINESS

There was no Other Business. (ref. IX)

ADJOURNMENT

A motion was duly made and seconded to adjourn the meeting.

Hearing no discussion or questions from the Board, Chair Tepper requested a roll call vote in which the members were recorded as follows:

<u>Yes</u>	<u>No</u>	<u>Abstain</u>
Tepper		
Flanagan		
Pappastergion		
Taverna		
Vitale		
P. Walsh		

(ref. III)

The meeting adjourned at 12:36pm.

Approved: November 19, 2025

Attest:

Brian Peña, Secretary

LIST OF DOCUMENTS AND EXHIBITS USED

- October 29, 2025 Staff Summary and Presentations: Draft Updated CSO Control Plan Alternatives Recommendation
- October 23, 2025 Letter from Mystic River Watershed Association
- October 23, 2025 Letter and Petition from Charles River Watershed Association

STAFF SUMMARY

TO: Board of Directors
FROM: Frederick A. Laskey, Executive Director
DATE: November 19, 2025
SUBJECT: Delegated Authority Report – October 2025



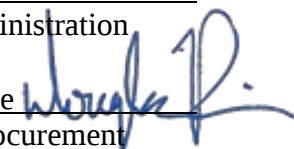
COMMITTEE: Administration, Finance & Audit

X INFORMATION
 VOTE



Michele S. Gillen
Director, Administration

Barbara Aylward, Administrator A & F
Julio Esperas, Assistant Buyer
Preparer/Title



Douglas J. Rice
Director of Procurement

RECOMMENDATION:

For information only. Attached is a listing of actions taken by the Executive Director under delegated authority for the period October 1-31, 2025.

This report is broken down into three sections:

- Awards of Construction, non-professional and professional services contracts and change orders and amendments in excess of \$25,000, including credit change orders and amendments in excess of \$25,000;
- Awards of purchase orders in excess of \$90,000; and
- Amendments to the Position Control Register, if applicable.

DISCUSSION:

The Board of Directors' Management Policies and Procedures, as amended by the Board's vote on February 16, 2022, delegate authority to the Executive Director to approve the following:

Construction Contract Awards:

Up to \$3.5 million if the award is to the lowest bidder.

Change Orders:

Up to 25% of the original contract amount or \$1,000,000.00, whichever is less, where the change increases the contract amount, and for a term not exceeding an aggregate of six months; and for any amount and for any term, where the change decreases the contract amount. The delegations for cost increases and time can be restored by Board vote.

Professional Service Contract Awards:

Up to \$1,000,000 and three years with a firm; or up to \$200,000 and two years with an individual.

Non-Professional Service Contract Awards:

Up to \$1,000,000 if a competitive procurement process has been conducted, or up to \$100,000 if a procurement process other than a competitive process has been conducted.

Purchase or Lease of Equipment, Materials or Supplies:

Up to \$3.5 million if the award is to the lowest bidder.

Up to \$15 million for purchases of chemicals that are required for normal day-to-day operations where the award is to the lowest responsive bidder under a competitive procurement.

Amendments:

Up to 25% of the original contract amount or \$500,000, whichever is less, and for a term not exceeding an aggregate of twelve months.

Amendments to the Position Control Register:

Amendments which result only in a change in cost center.

BUDGET/FISCAL IMPACT:

Recommendations for delegated authority approval include information on the budget/fiscal impact related to the action. For items funded through the capital budget, dollars are measured against the approved capital budget. If the dollars are in excess of the amount authorized in the budget, the amount will be covered within the five-year CIP spending cap. For items funded through the Current Expense Budget, variances are reported monthly and year-end projections are prepared at least twice per year. Staff review all variances and projections so that appropriate measures may be taken to ensure that overall spending is within the MWRA budget.

Construction & Professional Services Delegated Authority Items October 1 – 31, 2025

No.	Date of Award	Title and Explanation	Contract	Amend/CO	Company	Value
C-1	10/09/25	Shaft 5 Building Improvements Design and Engineering Services During Construction Increase additional level of effort to incorporate changes to the plans and specifications as required by the new state building code; project administration and management for Task 1 needed to make final code adjustments; final design efforts due to additional submittal related to HVAC design details.	7599	1	Kleinfelder Northeast, Inc.	\$110,678.00
C-2	10/09/25	Norumbega Reservoir and Schenck's Pond Dam Instrumentation Award of a contract to the lowest responsive bidder for the Norumbega Reservoir and Schenck's Pond Dam instrumentation for a term of 365 calendar days.	W361	Award	Ardent Group, Inc.	\$399,870.00

Purchasing Delegated Authority Items October 1-31, 2025

No.	Date of Award	Title and Explanation	Company	Value
P-1	10/17/25	Purchase Order for Aruba HPE Central AP Foundation Subscriptions, Hardware Controllers, and Three Years of Maintenance and Support—<i>State Contract ITC73</i> Aruba wireless solutions are used at Chelsea, Deer Island and Southborough to create a secure, standardized wireless experience for MWRA users. This procurement provides new Aruba Controllers and subscriptions to manage and monitor all wireless networks.	Worldcom Exchange Inc.	\$110,347.99
P-2	10/17/25	One-Year Purchase Order Contract for the Supply and Delivery of Ferric Chloride The Clinton Wastewater Treatment Plant uses ferric chloride to limit the discharge of phosphorous in its effluent. Compared to the existing contract, the cost has decreased by 2%.	Kemira Water Solutions, Inc.	\$212,400.00
P-3	10/17/25	One-Year Purchase Order Contract for the Removal of Excavated Materials Testing and disposal of excavated material from MWRA job sites.	Brighter Horizons Environmental Corporation	\$385,134.25
P-4	10/17/25	Sole Source Purchase Order for Two Stop Log Assemblies and Two Stop Log Lifts Purchase of two stop log assemblies and two lifting devices for the Secondary Bypass crest gates at Deer Island. This procurement is for materials only. Maintenance staff will remove and replace the existing, corroded stop log assemblies.	Wescor Associates, Inc.	\$617,840.00
P-5	10/17/25	Purchase Order for a New Bar Rack Assembly and Lifting Device This purchase for Shaft 12 at the Quabbin Reservoir includes the fabrication and delivery of a new set of 36 screens with the same dimensions as the existing assemblies, one lifting device used to install and remove the new screens, and one operating rope to operate the lifting device mechanism. MWRA staff will perform all labor to remove and dispose of the existing, corroded bar racks and lifting device, and to install the new equipment.	Atlantic Fluid Technology, Inc.	\$838,920.00
P-6	10/20/25	Purchase Order for One Energy Dispersive X-Ray Fluorescence Spectrometer for the Department of Laboratory Services' Mobile Laboratory The purchase of a new EDXRF is an integral component of the Mobile Laboratory's ability to respond to suspected chemical, biological or radiological drinking water contamination events and ensure public safety	Thermo Electron North America, LLC	\$120,498.62

No.	Date of Award	Title and Explanation	Company	Value
P-7	10/20/25	Purchase Order for the Supply and Delivery of 350,000 Gallons of Ultra-Low Sulfur #2 Diesel Fuel—<i>State Contract ENE53</i> The Deer Island Treatment Plant uses ultra-low sulfur #2 diesel fuel in the Thermal Power Plant.	Global Montello Group Corporation	\$845,145.00
P-8	10/20/25	One-Year Purchase Order Contract for the Supply and Delivery of Ferric Chloride The Deer Island Treatment Plant uses ferric chloride to prevent struvite formation in digested sludge. Compared to the existing contract, the cost has remained the same.	Kemira Water Solutions, Inc.	\$4,488,000.00

STAFF SUMMARY

TO: Board of Directors
FROM: Frederick A. Laskey, Executive Director
DATE: November 19, 2025
SUBJECT: FY2026 First Quarter Orange Notebook



COMMITTEE: Administration, Finance & Audit

X INFORMATION
 VOTE

Stephen Estes-Smargiassi, Director, Planning & Sustainability
Malcolm Ragan, Senior Planner
Preparer/Title


Kathleen M. Murtagh, P.E.
Chief Operating Officer

RECOMMENDATION:

For information only. The Quarterly Report on Key Indicators of MWRA Performance (the Orange Notebook) is prepared at the close of each quarter of the fiscal year.

DISCUSSION:

The Orange Notebook presents performance indicators for operational, financial, workforce, and customer service parameters tracked by MWRA management each month. This staff summary includes highlights from the first quarter of fiscal year 2026.

Service Area in Mild to Significant Drought, Quabbin Remains in Normal Operating Range

Water Supply

The MWRA service area is currently in a mild to significant drought status. The previous drought declaration that persisted through much of FY25 subsided only for the period of May 1 to August 1. The volume of the Quabbin Reservoir was at 84.3% as of September 30, 2025, a decrease of 8.7% (35.3 billion gallons) for the quarter driven by below average precipitation and above average system withdrawals (see page 28). The Quabbin has remained within its normal operating range during this time. Due to the reservoir's large volume, there can be a significant delay between the onset of drought status and decreases in Quabbin levels to a below normal status.

Wastewater

Precipitation during the fourth quarter was 49.5% lower than the four-year average (6.93 inches versus 13.72 inches expected), while plant flow at Deer Island was 20.8% below the four-year average (237.9 mgd versus 300.4 mgd expected). The plant achieved an instantaneous peak flow rate of 854.3 mgd the morning of July 10 during a storm event that brought 1.68 inches of precipitation to the metropolitan Boston area. The current drought has resulted in plant flows below four-year averages for every period in FY26. Annual total plant flow for the previous year was 9.8% below four-year averages while precipitation was 7.6% below average.

Monthly Total Coliform Positives More Frequent than Previous Fiscal Year

Total coliform provides a general indication of the sanitary condition of a water supply. If total coliform are detected in more than five percent of samples in a month (or if more than one sample is positive when less than 40 samples are collected) the water system is required to investigate the possible source/cause with a Level 1 Assessment, which is a checklist designed to help system operators to identify and fix any sanitary defects. A further Level 2 Assessment, which is a more comprehensive and in-depth examination compared to a Level 1, is required if there are two or more Level 1 triggers in a 12-month period.

In the first quarter, 208 out of 6,841 samples from fully and partially supplied communities (3.0%) tested positive for total coliform, 15 of 1,887 (0.8%) shared community/MWRA samples tested positive, and 14 of 427 (3.3%) of the Chicopee Valley Aqueduct community samples tested positive (see page 25). For Quarter 1 of FY25, these values were 1.3%, 0.4%, and 0%, respectively. Level assessments were required in the communities of Bedford, Canton, Hanscom Air Force Base, Norwood, Quincy, South Hadley FD#1, Wilbraham, and Winthrop at some time during Quarter 1. Despite more frequent positive samples, there were no regulatory violations or public health concerns associated with drinking water quality in MWRA's member communities. There were slightly fewer water quality complaints (67 versus 71) over the first quarter compared to FY25, with a majority attributed to local storage and distribution system issues (see page 24).

NPDES Permit Violations at the Clinton Wastewater Treatment Plant

The average monthly limit of 11.6 µg/L for recoverable copper was exceeded during July and August at the Clinton Wastewater Treatment Plant (see page 31). The most recent past exceedance of this limit was recorded in October of 2024. Precipitation and flow volume to the Clinton Plant were both below historical averages during the first quarter. When precipitation is low and there is limited inflow and infiltration directed to the plant, there is less dilution of the gray water that comes from households where most of the copper enters the system. Exceedances of these copper limits are therefore most common during drought periods.

Molybdenum Levels in Sludge Fertilizer Pellets

Molybdenum levels in MWRA's sludge pellets remained within federal and Massachusetts land application limits for all months in the first quarter, but increased each month and exceeded the three-year average level in September. Levels previously exceeded the state limit of 40 mg/kg, but remained within the federal limit of 75 mg/kg during the second quarter of FY25, requiring NEFCo, who operates the plant on behalf of MWRA, to ship pellets to states where the higher federal limit prevails. Molybdenum levels in the first quarter averaged 28.6 mg/kg, 11% below the three-year average, 28% below the Massachusetts state limit, and 62% below the federal limit (see page 4).

Staffing Levels

MWRA completed 25 external hires in Q1 FY26 compared to 36 and 22 external hires during Q1 of FY24 and FY25, respectively. There were fewer retirements in Q1 FY26 with 18, compared to 20 and 26 retirements during Q1 of FY24 and FY25, respectively. The ratio of promotions/transfers versus external hires has remained relatively consistent over the previous two fiscal years. Overall FTEs at the end of the quarter stood at 1,066.9, roughly 86 below the budget

of 1,153 FTEs (see page 50). Staffing vacancies continue to affect water distribution pipeline leak surveys, which are approximately 94% below target for the fiscal year (see page 6).

MASSACHUSETTS WATER RESOURCES AUTHORITY

Board of Directors Report

on

Key Indicators of MWRA Performance

First Quarter FY2026

Q1	Q2	Q3	Q4



Frederick A. Laskey, Executive Director
Kathleen Murtagh, Chief Operating Officer
November 19, 2025

Board of Directors Report on Key Indicators of MWRA Performance

1st Quarter – FY26

Table of Contents

OPERATIONS AND MAINTENANCE	Page	WASTEWATER QUALITY	Page
DITP Operations-.....	1	NPDES Permit Compliance	
Total Power Use/Self-Generation		Deer Island Treatment Plant	30
Plant Flow & Precipitation		Clinton Treatment Plant.....	31
Total Cost of Electricity/Pricing			
DITP Operations-.....	2		
DI Sodium Hypochlorite Use		COMMUNITY FLOWS AND PROGRAMS	
Disinfection Dosage		Total Water Use Core Communities	33
Secondary Blending Events		Community Wastewater Flows	34
DITP Operations & Maintenance Report.....	2	Community Sewer Flow.....	35
Residuals Processing	4	Community Support Programs	
DITP Maintenance	5	Infiltration/Inflow Local Financial Assist.	36
Operations Division – Metering & Reliability	6	Water-Local Pipeline & System Assist.	37
Water Distribution System – Valves	7	Lead Service Line Replacement Loan Progr. ..	38
Wastewater Pipeline/Structures	8	Community Water System Leak Detection	
FOD Metro Facility & Equipment Maintenance	9	and Conservation Outreach	39
Renewable Electricity Generation – 1	10		
Renewable Electricity Generation – 2	11	BUSINESS SERVICES	
Toxic Reduction and Control	12	Procurement	41
Field Operations – Narrative Topics	13	Materials Management	42
Laboratory Services.....	15	MIS Program	43
		Legal Matters	44
		Internal and Contract Audits	48
CONSTRUCTION PROGRAMS			
Projects in Construction.....	17	OTHER MANAGEMENT	
CSO Control Update.....	19	Workforce Management	50
CIP Expenditures.....	20	Workplace Safety Program.....	51
		Job Group Representation.....	52
DRINKING WATER QUALITY AND SUPPLY		MBE/WBE Expenditures.....	53
Source Water – Microbial Results	22	CEB Expenses.....	54
Source Water – Turbidity, pH and Alkalinity	23	Cost of Debt.....	55
Treated Water – Disinfection Effectiveness	24	Investment Income.....	56
Source Water – Algae, Complaints	25		
Bacteria & Chlorine Residual Results.....	26		
Disinfection By-Products, UV 254	27		
Water Supply/Source Water Management.....	28		

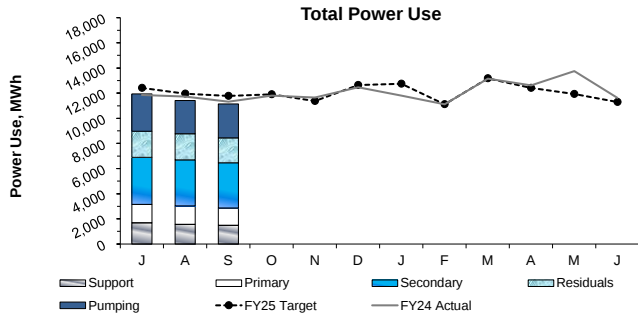
This quarterly report is prepared by MWRA staff to track a variety of performance measures for routine review by the Board of Directors. The content and format of this report is expected to develop as time passes. Information is reported on a preliminary basis as appropriate and available for internal management use and is subject to correction and clarification.

Frederick A. Laskey, Executive Director
Kathleen Murtagh, Chief Operating Officer
November 19, 2025

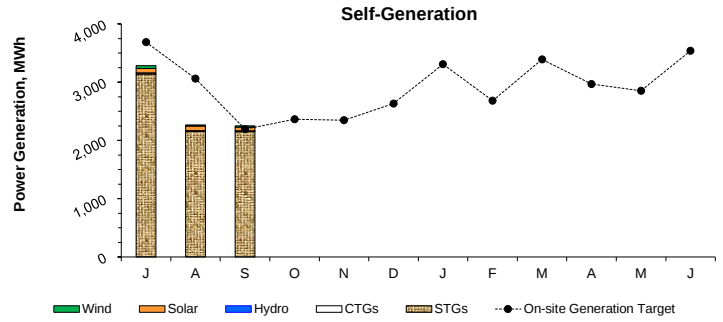
OPERATIONS AND MAINTENANCE

Deer Island Operations

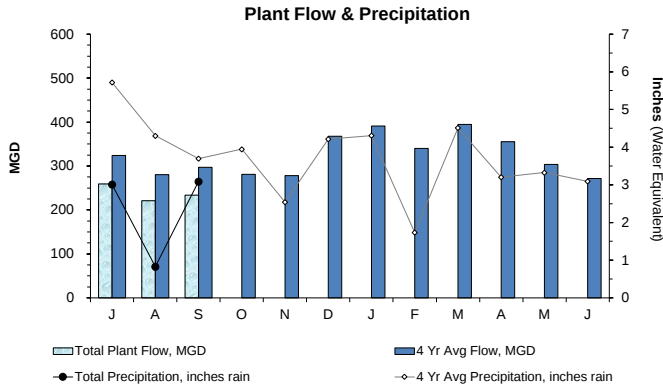
1st Quarter - FY26



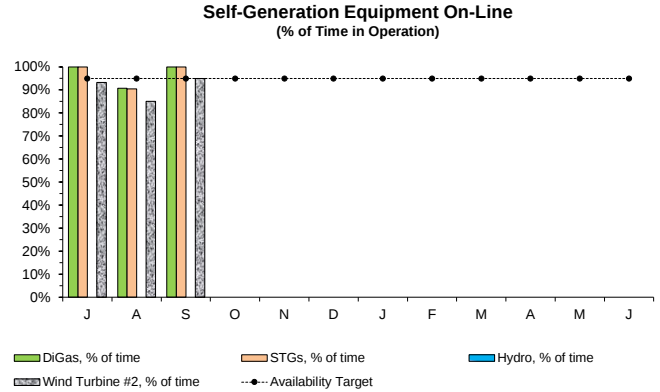
Total power usage in the 1st Quarter was 4.6% below budgetary estimates as plant flow was 20.8% below target with historical data (4 yr avg) used to generate the electricity model, with precipitation 49.5% lower than target (6.93 inches actual versus 13.72 inches expected). As a result, power usage for most major treatment processes were similar to or below their target, including power usage for raw wastewater pumping which was 16.4% below target. However, power usage for the Residuals treatment processes was 6.6% above target due mainly to the extra power used during the transition of Module 2 to Module 1 digester operation earlier in the quarter, and included leaving the digester mixers in the now offline Module 2 digester in operation through the rest of the quarter to keep the diluted sludge in the digesters from settling while they wait to be emptied.



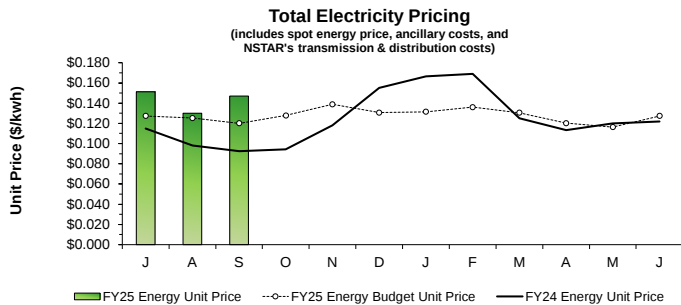
Power generated on-site during the 1st Quarter was 12.8% below target as CTGs generation was well below target. CTGs operation for peak shaving was not needed in July or August since the ISO-New England (ISO-NE) system demand never approached the prevailing peak that occurred in June, earlier than anticipated compared to historical trends. The CTGs were operated only a total of 4.5 hours in Quarter 1, on July 1 for an ISO-NE Demand Response called event, on August 13 for an Eversource issue with their Bus A transformer, and briefly for maintenance/testing purposes. STGs generation was 7.6% below budgetary estimates as the annual maintenance shutdown for the main STG was 12 days this year in comparison to the average of 9 days used for the FY26 budget estimate. Solar Panel generation was 1.4% above target and Wind Turbine generation was 25.0% above target this quarter. Both Hydro Turbines remain out of service pending wicket gate rehabilitation and other needed repairs. The FY26 budget assumes no Hydro Turbine generation through Quarter 2.



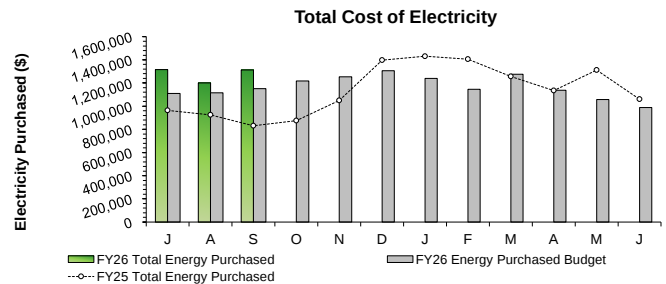
Total Plant Flow for the 1st Quarter was 20.8% below target with the budgeted 4 year average plant flow (237.9 MGD actual vs 300.4 MGD expected) as precipitation was 49.5% lower than target this quarter (6.93 inches actual vs. 13.72 inches expected).



The DiGas System and STGs availability both exceeded the 95% availability target in the 1st Quarter, while the Hydro Turbines remained unavailable for the entire 1st Quarter as both turbines are undergoing wicket gate rehabilitation and other repairs. Wind Turbine availability was 91.1% this quarter as Turbine #2 was out of service for yaw bearing system repairs from August 11 to August 14, had issues with turbulent winds blowing through the digesters on a number of days which caused the turbine to trip, and had periods of low wind conditions. The FY26 budget only includes estimated generation for Wind Turbine #2 as Turbine #1 is currently dismantled.



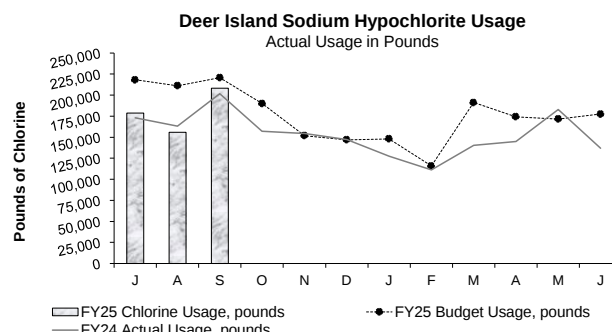
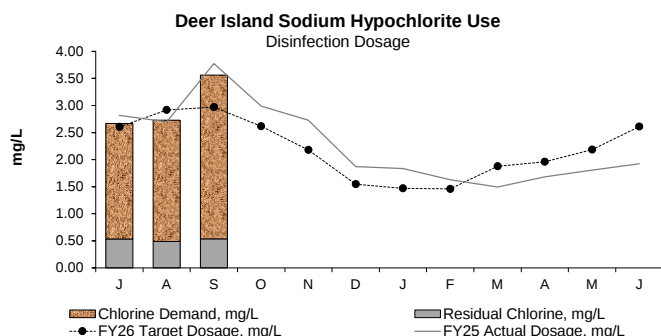
Under the current energy supply contract, a block portion of DI's energy is a fixed rate and the variable load above the block is purchased in real time. The Total Energy Unit Price through September is estimated pending receipt of the Direct Energy invoice. Overall, the average unit price through September is estimated to be 14.8% higher than budgeted. The Total Energy Unit Price includes a fixed block price, spot energy price, transmission & distribution charges, and ancillary charges.



Year-to-date Total Cost of Electricity is estimated to be \$451,755 (13.4%) higher than budgeted through September. The Total Cost of Electricity depicted for September is estimated pending receipt of the Direct Energy invoice. The Total Cost of Electricity is estimated to be higher than target as the estimated Total Energy Unit Price is 14.8% higher than budgeted while the Total Volume of Electricity Purchased was 1.3% below target.

Deer Island Operations

1st Quarter - FY26



The disinfection dosing rate in the 1st Quarter was 5% above budgetary estimates due to several heavy rain events. However, sodium hypochlorite usage in pounds of chlorine was 16.5% below target as overall monthly plant flows were 20.8% below budgetary estimates. DITP maintained an average disinfection chlorine residual of 0.52 mg/L this quarter with an average dosing rate of 2.99 mg/L as chlorine demand was 2.47 mg/L. In March, the disinfection basin effluent total chlorine residual target for dry weather flows was increased from 0.30 mg/L to greater than or equal to 0.50 mg/L, and to even higher levels during wet weather flow conditions, in preparation for the proposed new NPDES seasonal permit limits for indicator bacteria. The purpose for the higher chlorine residual target (and higher sodium hypochlorite dosing) is to continue developing operating strategies for the potential seasonal *Enterococcus* bacteria limit in the proposed permit, an effort that was also undertaken in 2023 and 2024.

The overall disinfection dosing rate (target and actual) is dependent on plant flow, target effluent total chlorine residual levels, effluent quality and NPDES permit levels for fecal coliform (or the proposed seasonal *Enterococcus* bacteria).

Secondary Blending Events

Month	Count of Blending Events	Count of Blending Events Due to Rain	Count of Blending Events Due to Non-Rain-Related Events	Secondary, as a Percent of Total Plant Flow	Total Hours Blended During Month
July	1	1	0	99.9%	3.67
August	0	0	0	100.0%	0.00
September	2	2	0	99.9%	3.25
October					
November					
December					
January					
February					
March					
April					
May					
June					
Total	3	3	0	99.9%	6.92

99.9% of all flows were treated at full secondary during the 1st Quarter as there were three (3) separate secondary blending events in July and September, all due to high plant flows from heavy precipitation. These blending events resulted in 6.92 hours of blending and a total of 15.81 MGAL of primary-only treated effluent blended with secondary effluent. The Maximum Secondary Capacity during the entire quarter was 700 MGD.

Deer Island Operations & Maintenance Report

Environmental/Pumping:

The plant achieved an instantaneous peak flow rate of 854.3 MGD in the 1st Quarter during the morning of July 10. This peak flow occurred during a storm event that brought 1.68 inches of total precipitation to the metropolitan Boston area. The Total Plant Flow was 20.8% below the 4 year average plant flow target for the quarter as precipitation was 49.5% lower than target (6.93 inches actual vs. 13.72 inches expected).

Primary and Secondary Treatments:

The contractor completed the first several phases of the Clarifier Rehabilitation Project (Contract #7395) with the rehabilitation of the Primary Batteries A, B, C and D Influent and Effluent Channels, completing all scheduled work in these channels. The rehabilitation work under this contract includes putting primary influent gates in place, installing new aeration header systems, completing the installation of lower aeration systems, Linabond repair work in the clarifiers, installing drains between Batteries A and B, replacing effluent gates, completing hatch and grating modifications, and expansion joint repairs, in addition to other work. The contractor is currently working in Primary Battery A, clarifiers A1, A2, A3, and A4. The contractor is also replacing the secondary scum influent gates and other equipment in the secondary clarifiers. The plan is to target the rehabilitation of no more than three (3) secondary clarifiers at a time and the contractor is currently working in the Secondary A18, B17, and C18 clarifiers, having completed work in eight (8) other secondary clarifiers. The contractor expects to complete a few more clarifiers in October. There are 18 secondary clarifiers in each battery, totaling 54 clarifiers. Deer Island plans to maintain a secondary process limit of 700 MGD, which is the capacity of 50 clarifiers in operation.

Disinfection/Dechlorination:

MWRA uses sodium hypochlorite to destroy pathogens in plant effluent after primary and secondary treatment. Indicator bacteria such as Fecal Coliforms, *E. coli*, and *Enterococcus* are used to measure the presence of potential pathogens. To provide a proper pathogen kill, sodium hypochlorite, a disinfectant, is added to meet a chlorine demand then regulated by maintaining a chlorine residual. In March, the disinfection basin effluent total residual chlorine target for dry weather was increased from 0.30 mg/L to greater than or equal to 0.50 mg/L and to even higher levels during wet weather flow conditions. The purpose for adjusting to the higher chlorine residual targets (by increasing the sodium hypochlorite dosing) is to continue developing operating strategies for the future more stringent seasonal NPDES permit limits for indicator bacteria prior to the limits coming into effect, an effort that was also undertaken in 2023 and 2024. Deer Island maintained an average disinfection chlorine residual of 0.52 mg/L this quarter with an average dosing rate of 2.99 mg/L as chlorine demand was 2.47 mg/L with the adjusted higher target. Higher usage of both sodium hypochlorite and sodium bisulfite, used for removing the residual chlorine before discharging the effluent, is anticipated in order to comply with the more stringent indicator bacteria limits in the proposed new NPDES permit.

Residuals Treatment:

In July, DITP staff began the process of transitioning digester operation from Module #2 to Module #1. Each Module is comprised of four (4) digesters. This transition is a lengthy process to complete, as each 3 million gallon digester is slowly filled one-at-a-time using the digested sludge overflows from the online digesters, then allowing the digester to slowly acclimate before beginning normal sludge feed. As each digester in Module #1 is placed into service, a digester in Module #2 can then be taken out of service to begin preparation steps for eventual draining, which is also a lengthy process. This transition from Module #2 to Module #1 was completed by the end of July, with the final draining of the Module #2 digesters currently on hold pending repairs to the dewatering line.

Deer Island Operations

1st Quarter - FY26

Deer Island Operations & Maintenance Report (continued)

Odor Control:

Carbon adsorber (CAD) units #1 and #2 in the East Odor Control (EOC) Facility, and units #2, #4, #5, and #6 in the West Odor Control (WOC) Facility were emptied and refilled with new regenerated activated carbon media during the quarter as part of routine maintenance to replace spent activated carbon.

Energy and Thermal Power Plant:

Overall, total power generated on-site accounted for 22.6% of Deer Island's total power use in the 1st Quarter. Renewable power generated on-site (by Solar, Wind, STGs, and Hydro Turbines) accounted for 22.5% of Deer Island's total electrical power use for the quarter.

This summer, DITP was enrolled in an Eversource Connected Solutions Curtailment (Demand Response) program to reduce a portion of DITP's load from the regional electrical grid during peak energy usage periods. In this program only green energy can be used to offset a committed energy demand or the load shed can be achieved by curtailing existing energy demand sources. DITP is enrolled in this program by curtailing the cryogenic oxygen generation process. To be successful, the oxygen generation process would be taken offline for the few hours of an event to defer 2.0 MW of power demand. From a treatment perspective, staff would use stored liquid oxygen that was previously produced and stored in the Liquid Oxygen (LOX) tank to feed the secondary activated sludge without impact to the process during this short interruption, then reactivate the cryogenic compressors after the event has ended to restore normal operation. DITP participated in this program during the summer of 2023 and 2024 and earned over \$46,000 and \$69,000, respectively, by participating. The cryogenic oxygen generation process was taken offline for approximately three (3) hours from 5 p.m. to 8 p.m. on five (5) separate days in July and on one (1) day in August for Eversource Demand Response called events.

Annual scheduled maintenance at the Thermal Power Plant (TPP) began on August 17 and was completed on August 29. Various maintenance activities on the STG, BP-STG, the two (2) Zurn boilers, and the common system was completed. Maintenance was conducted on various pumps, valves, and on instrumentation throughout the TPP and the DITP heat loop system. On August 17, the main STG was taken out of service for maintenance, as well as starting maintenance on the offline Boiler 201. Common system maintenance was conducted from August 24 through August 26 as well as the start of Boiler 101 maintenance. Boiler 201 was placed back into full service during the early morning of August 27 to bring the heating loop back up to temperature and to return the BP-STG to operation. The main STG was returned to service on August 29. All digester gas produced was flared from August 24 to August 27 during the common system shutdown and there were no negative impacts caused by this annual maintenance shutdown.

There are two (2) electrical buses that supply Eversource utility power to DITP via the cross harbor electrical cable. Eversource Bus A was removed from service on the evening of August 13 following their discovery of a transformer leak and has since remained offline pending arrival of replacement parts to allow Eversource to perform the necessary repairs. Staff operated CTG 1A that evening, to isolate Eversource Bus A from DITP to allow Eversource to de-energize the bus to investigate the issue of the leaking transformer in Substation 132 at Deer Island, and to balance the remaining Eversource Bus B electrical load across DITP's Bus A and Bus B. Eversource expects to have all equipment on site and to begin repairing the transformer starting on November 10. The work is expected to take 10 calendar days with Eversource staff working continuously until the work is complete. There is currently no impacts to power from the utility as the Eversource Bus B transformer remains in operation.

DITP electricians replaced all 60 batteries in the 125-volt DC backup battery system for CTG 1A on August 6. The battery backup is critical in the event the CTG trips while in operation and utility power is out. The batteries keep critical systems in operation until the CTG safely comes to a complete stop. CTG 1A was successfully test operated the next day once the battery system was allowed to fully charge through the evening. CTG 2B was available in standby status in the event of a power interruption. Replacement of the batteries for the 24-volt DC battery system for CTG 1A is planned for October.

Regulatory:

Emissions compliance testing for the North Pumping Odor Control (NPOC) treatment system at DITP was conducted by consultants on July 1. The NPOC system treats process air from the North Main Pump Station and the Winthrop Terminal Facility. The DITP Air Quality Operating Permit issued by the MA DEP requires that DITP conduct emissions compliance testing for the various emission units once every five (5) years to demonstrate compliance with applicable total reduced sulfur (TRS) and non-methane hydrocarbon (NMHC) emission limits. This testing requires the continuous emissions monitoring of the inlet and outlet of the odor control treatment system during a minimum of three (3) separate, one (1) hour test runs for TRS at the outlet (stack) of the odor control system and for NMHC at the inlet. All emissions test results demonstrated that DITP was in compliance with the permit limits. The final report summarizing the compliance test results was submitted to the MA DEP in August.

The emissions compliance Annual Relative Accuracy Test Audit (RATA) was successfully completed by the contractor on September 18 for Boiler 101 and on September 19 for Boiler 201. A RATA is required to confirm that data from the boiler's Continuous Emissions Monitoring System is in agreement with corresponding EPA Reference Method test results.

Clinton Operations & Maintenance Report

Dewatering Building

Operations staff dewatered the #1 Gravity Thickener. M&O staff and a vactor crew vactored the manhole in front of the sludge garage door and jetted the lines in the #2 belt filter press containment area that were plugged. The M&O's replaced the upper wash box seals on belt filter presses #1 and #2.

Chemical Building

M&O staff and the Facility Specialist cleaned and rebuilt the #1 Penn Valley Pump. They also jetted soda ash line B and header, and replaced a Lovejoy coupling on the #1 Return Activated Sludge pump. The contractor replaced and wired the motor and pump for sodium hypochlorite pump #2 and the ferric pump #2. The contractor also installed a remote water meter reader.

Aeration Basins

Operations staff cleaned the pH and DO probes in all three (3) aeration tanks. Deer Island staff replaced the tank #6 pH probe and the DO cap sensor on tank #4. Chelsea masonry crew poured a new step for the intermediate lift pump station.

Phosphorus Building

Operations and maintenance staff cleaned the trough and acid washed the #1, #2, and #3 disc filters. Operations staff also cleaned and changed the reagents in both CL17 chlorine analyzers. Deer Island staff calibrated the pH probe in tank train #2. The contractor replaced a fuse block in the #1 Disc filter cabinet. They also removed and replaced a motor to the disc filter #1 spray arm bar.

Headwork's Building

M&O staff cleaned and greased both the upper and lower pin racks, replaced the seal on the #2 grit screw, and greased the grit classifier. The contractor installed a new boiler for the Administration, Chemical and Headworks buildings. Operations staff switched to the #2 grit chamber and washed down the #1 grit chamber.

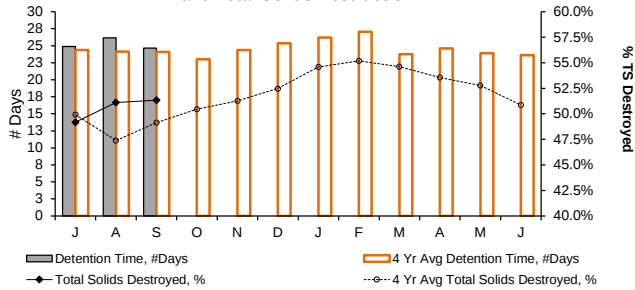
Digester Building

Maintenance staff checked equipment for proper operation and greased the Floating Digester Cover's Ovivo mixer. The contractor worked on the #2 sludge boiler, replacing a few fittings and a valve, and repaired the 3-way valve on the #1 sludge boiler. Operations staff filled the fixed digester cover with plant process water in preparation for pressure testing of the tank by a contractor.

Deer Island Operations & Residuals

1st Quarter - FY26

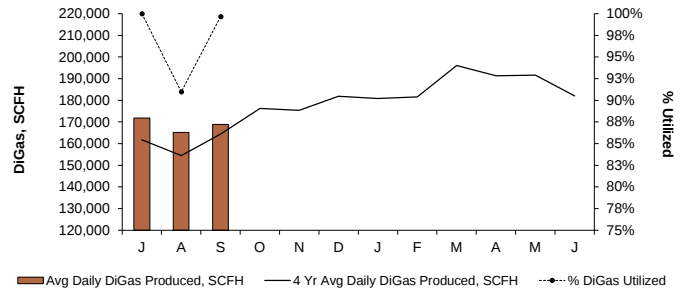
Sludge Detention Time in Digesters and Total Solids Destruction



Total solids (TS) destruction following anaerobic sludge digestion averaged 50.5% during the 1st Quarter, 3.6% above the 4 year average. Sludge detention time in the digesters was 25.2 days, with an average of 8.0 digesters in service, 4.3% above the 4 year average of 24.2 days detention time with an average of 7.8 digesters in service.

Total solids (TS) destruction is dependent on sludge detention time which is determined by primary and secondary solids production, plant flow, and the number of active digesters in operation. Solids destruction is also significantly impacted by changes in the number of digesters and the resulting shifting around of sludge.

Digester Gas Production and % Utilized

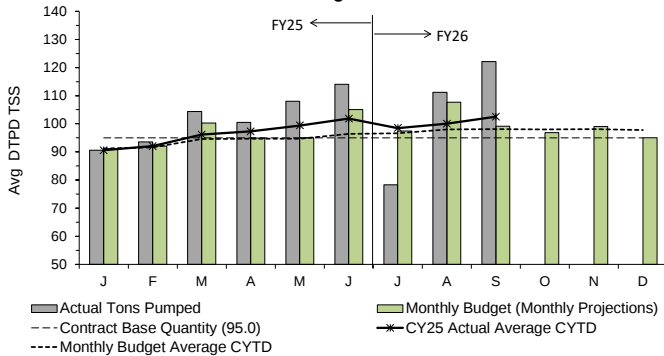


The Avg Daily DiGas Production in the 1st Quarter was 5.2% above target with the 4 Year Avg Daily DiGas Production as detention time in the digesters was 4.3% higher-than-expected, leading to a higher-than-expected total solids destruction and thus, more Digas production. 96.9% of the Digas produced this quarter was utilized at the Thermal Power Plant (TPP), with a low of 91.0% in August due to scheduled annual maintenance at the TPP which required both boilers to be offline for approximately 2.5 days.

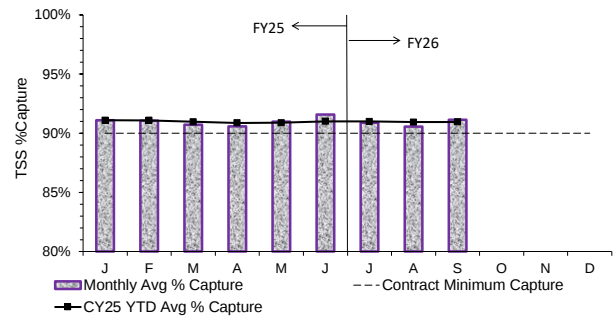
Residuals Pellet Plant

New England Fertilizer Company (NEFCO), a wholly-owned, indirect subsidiary of Synagro Technologies, Inc., operates the MWRA Biosolids Processing Facility (BPF) in Quincy under contract. MWRA pays a fixed monthly amount for the calendar year to process up to 95.0 DTPD/TSS as an annual average (for the new contract period of January 1, 2024 through December 31, 2034). The monthly invoice is based on 95.0 DTPD/TSS (Dry Tons Per Day/Total Suspended Solids) times 365 days divided by 12 months. At the end of the year, the actual totals are calculated and additional payments are made on any quantity above the base amount. On average, MWRA processes more than 95.0 DTPD/TSS each year (FY25's budget is 99.9 DTPD/TSS and the FY26 budget is 101.4 DTPD/TSS).

CY25 Sludge Delivered to BPF



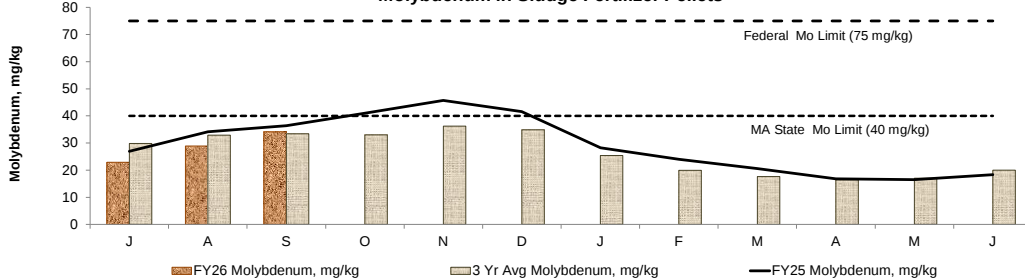
CY25 Monthly Average % Capture of Processed Sludge



The average quantity of sludge pumped to the Biosolids Processing Facility (BPF) in the 1st Quarter was 103.9 TSS Dry Tons Per Day (DTPD), 2.4% above target with the FY26 budget of 101.4 TSS DTPD for the same period. The lower amount of sludge sent to the BPF in July is attributed to the transitioning of digester operation from Module #2 to Module #1, resulting in digested sludge being diverted to fill the Module #1 digesters rather than being sent to the digested sludge holding tanks for a significant portion of the month. The higher amount of sludge pumped to the BPF in August and September is due to the addition of diluted sludge from the offline Module 2 digesters that was drained to the Dystor tanks on DITP as part of the normal process of emptying digesters.

The contract requires NEFCO to capture at least 90.0% of the solids delivered to the Biosolids Processing Facility. The average capture for the 1st Quarter was 90.86%.

Molybdenum in Sludge Fertilizer Pellets



Copper, lead, and molybdenum (Mo) are metals of concern for MWRA as their concentrations in its biosolids have, at times, exceeded regulatory standards for unrestricted use as fertilizer. Molybdenum-based cooling tower water is a significant source of Mo in the sludge fertilizer pellets. The Federal standard for Mo is 75 mg/kg. The Massachusetts Type I biosolids standard for molybdenum was changed from 25 mg/kg to 40 mg/kg in 2016, allowing MWRA to sell its pellets in-state for land application whereas the previous limits forced several months' worth of pellets to be shipped out of state.

The levels were below the DEP Type 1 limit for copper and lead during the 1st Quarter. For Mo, the level in the MWRA sludge fertilizer pellets for the 1st Quarter averaged 28.6 mg/kg, 11% below the 3 year average, 28% below the MA State Limit, and 62% below the Federal Limit. All the monthly Mo results for the 1st Quarter are the final reportable results.

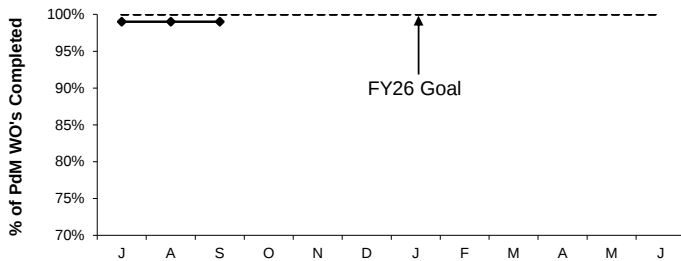
Deer Island Maintenance

1st Quarter - FY26

Productivity Initiatives

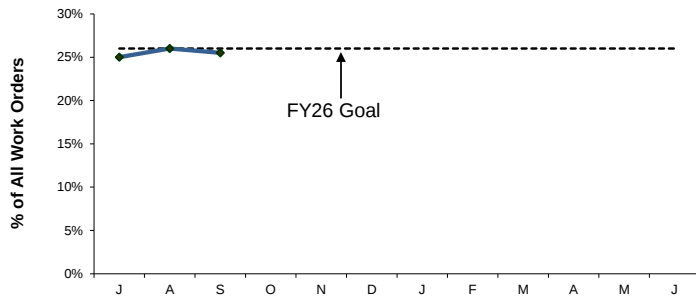
Productivity initiatives include increasing predictive maintenance compliance and increasing PdM work orders. Accomplishing these initiatives should result in a decrease in overall maintenance backlog.

Predictive Maintenance Compliance



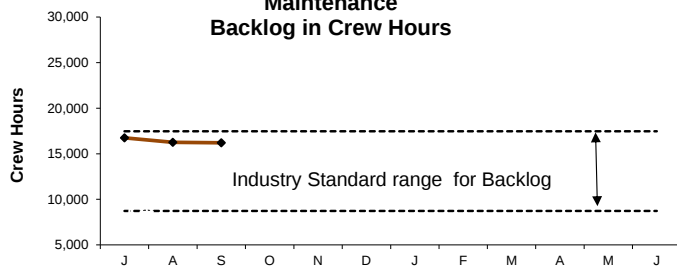
Deer Island's FY26 predictive maintenance goal is 100%. DITP completed 99% of all PdM work orders this quarter. DITP is continuing with an aggressive predictive maintenance program. Deer Island is slightly below goal this quarter.

Predictive Maintenance



Deer Island's increased FY26 predictive maintenance goal is 26% of all work orders to be predictive. 25.5% of all work orders were predictive maintenance this quarter. The industry is moving toward increasing predictive maintenance work to reduce downtime and better predict when repairs are needed.

Maintenance Backlog in Crew Hours

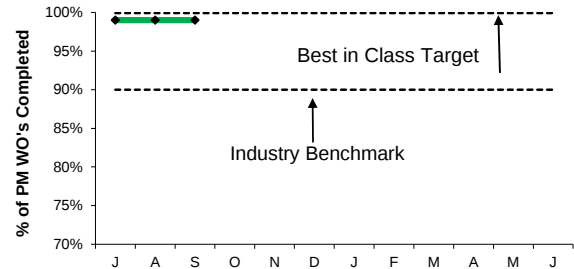


DITP's maintenance backlog at Deer Island is 17,381 hours this quarter. DITP is below the industry average for backlog. The industry Standard for maintenance backlog with 97 staff (currently planned staffing levels) is between 8,730 hours and 17,460 hours. Backlog is affected by (17) Vacancies: (2) B&G, (6) C&C Tech's, (2) Electrician, (2) HVAC Tech, (4) M & Os, and (1) Plumber. Management continues to monitor backlog and to ensure all critical systems and equipment are available.

Proactive Initiatives

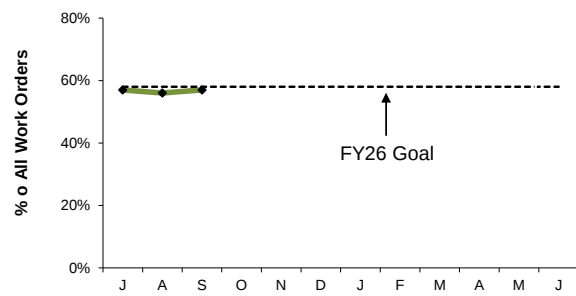
Proactive initiatives include completing 100% of all preventative maintenance tasks and increasing preventative maintenance kitting. These tasks should result in lower maintenance costs.

Preventive Maintenance Compliance



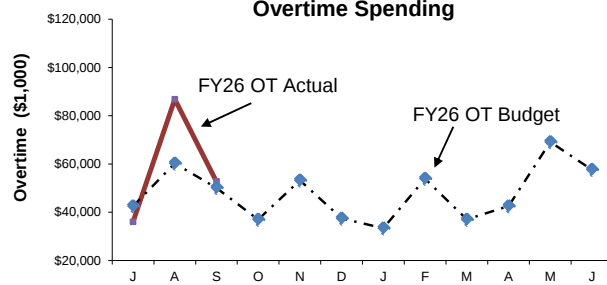
Deer Island's FY26 preventative maintenance goal is 100% completion of all work orders from Operations and Maintenance. DITP completed 99% of all PM work orders this quarter. Deer Island was slightly below our goal, but within Best in Class Target.

Maintenance Kitting



Deer Island's increased FY26 maintenance kitting goal is 58% of all work orders to be kitted. 56.5% of all work orders were kitted this quarter. Kitting is staging of parts or material necessary to complete maintenance work. This has resulted in more wrench time and increased productivity.

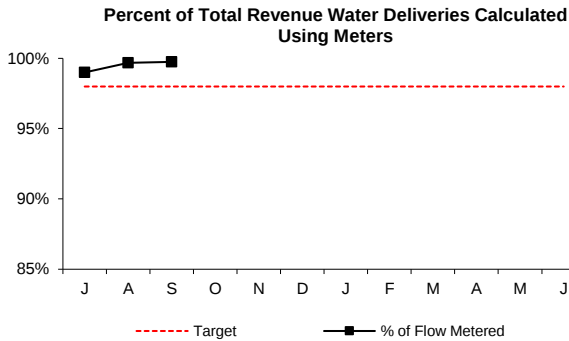
Overtime Spending



Maintenance overtime was over budget by \$23K this quarter and \$23k over for the year. Management continues to monitor backlog and to ensure all critical equipment and systems are available. This quarter's overtime was predominately used for Storm Coverage/High Flows, Pump and Grinder Clogging Issues, Instrumentation PM/CM Work, Central Plant Heating Loop Valve Change-Outs, and Miscellaneous Tank Work.

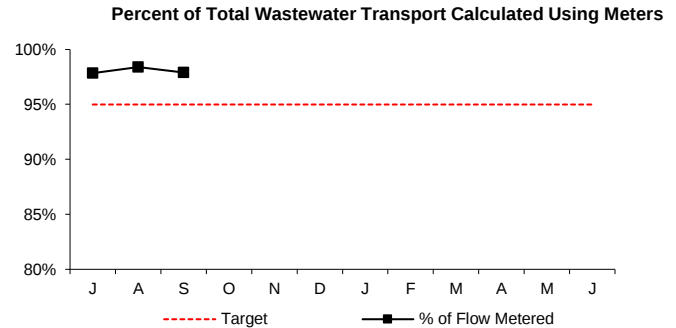
1st Quarter - FY26

WATER METERS



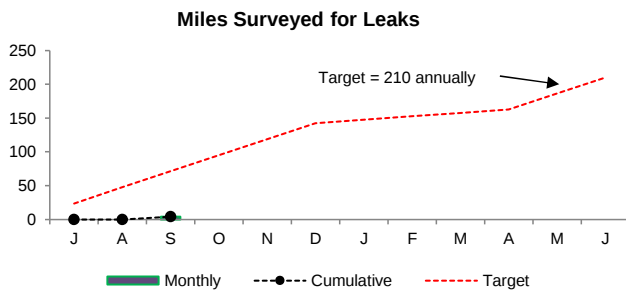
The target for revenue water deliveries calculated using meters is 98%. Estimates are generated for meters that are out of service due to instrumentation problems or in-house and capital construction projects. During Q1 of FY2026, 99.4% of the water billed was metered flow.

WASTEWATER METERS



The wastewater metering system is now operating in a typical mode following closeout of the replacement project. The target for revenue collection meters is a 95% capture rate which has been achieved consistently since the new meters have been online. In Q1 of FY2026, 1.95% of the data required estimates, while 98.05% was metered.

WATER DISTRIBUTION SYSTEM PIPELINES



During the 1st Quarter - FY26, 4.27 miles of water mains were inspected. The total inspected for the fiscal year to date is 4.27 miles. We have been unable to meet the Annual Target due to staffing issues.

[illegible]

During the 1st Quarter - FY26 4 leaks were detected, and 4 were repaired. Refer to FY26 Leak Report below for details. Also, there was community service ranging from individual leak location to surveys completed in 3 communities this quarter.

1st Quarter - FY26

[illegible][illegible]

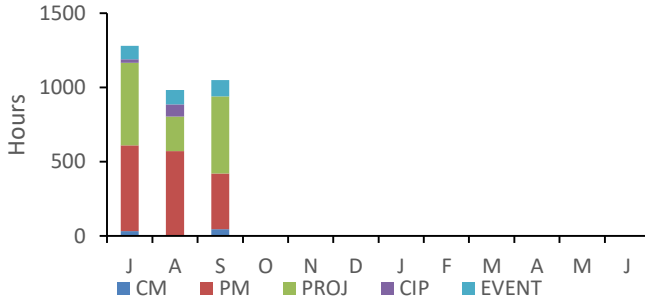
Water Distribution System Valves

1st Quarter - FY26

Background

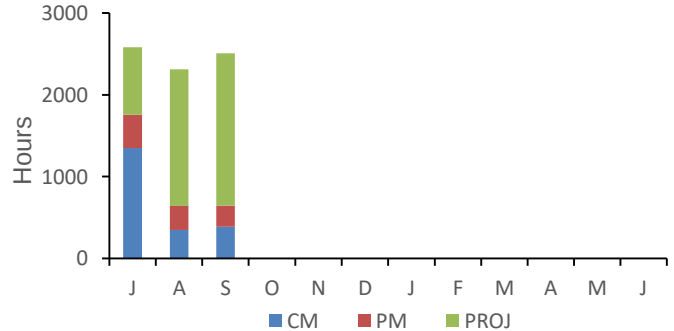
Valves are exercised, rehabilitated, or replaced in order to improve their operating condition. This work occurs year round. Valve replacements occur in roadway locations during the normal construction season, and in off-road locations during the winter season. Valve exercising can occur year round but is often displaced during the construction season. This is due to the fact that a large number of construction contracts involving rehabilitation, replacement, or new installation of water lines, requires valve staff to operate valves and assist with disinfection, dechlorination, pressure-testing, and final acceptance. Valve exercising can also be impacted due to limited redundancy in the water system; valve exercising cannot be performed in areas where there is only one source of water to the community meters or flow disruptions will occur.

Water Valve Labor Hours



During the 1st Quarter of FY26 there was a total of 3,316 hours worked. Percentage breakdown; Corrective Maintenance 2%, Preventative Maintenance 46%, Project 40%, Capital Improvement Project 3%, Event - Wtr Fountain

Water Pipeline Labor Hours



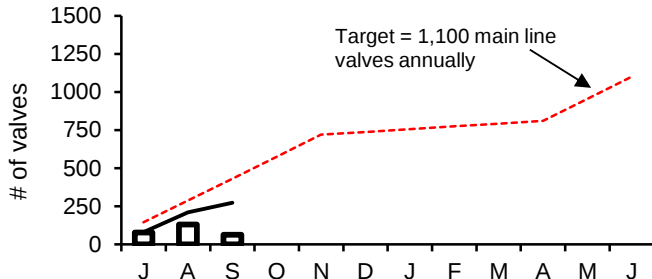
During the 1st Quarter of FY26 there was a total of 7,400 hours worked. Percentage breakdown; Corrective Maintenance 28%, Preventative Maintenance 13%, Project 59%

Type of Valve	Inventory #	Operable Percentage	
		FY26 to Date	FY26 Targets
Main Line Valves	2,270	97.5%	95%
Blow-Off Valves	1,793	99.3%	95%
Air Release Valves	1,547	96.7%	95%
Control Valves	49	100.0%	95%

Key to Symbols:

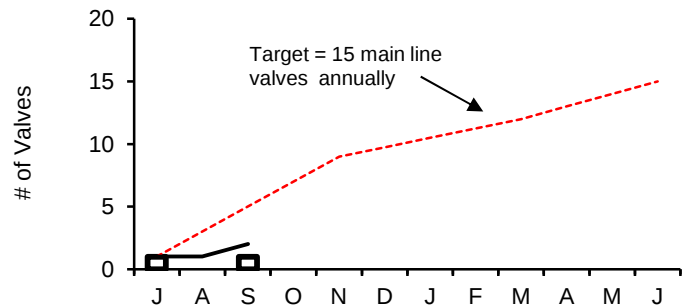
- FY26 Monthly Total
- FY26 Cumulative Total
- FY26 Target

Main Line Valves Exercised



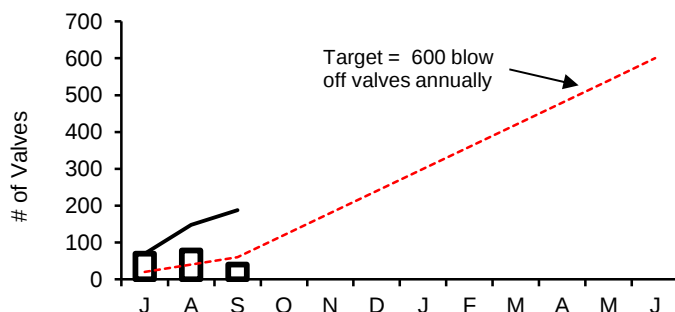
During the 1st Quarter of FY26, 274 main line valves were exercised. The total exercised for the fiscal year to date is 274.

Main Line Valves Replaced



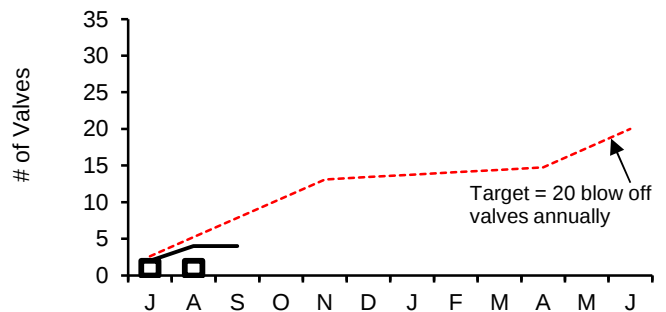
During the 1st Quarter of FY26, there was 2 main line valve replaced. The total replaced for the fiscal year to date is 2.

Blow-Off Valves Exercised



During the 1st Quarter of FY26, 188 blow off valves were exercised. The total exercised for the fiscal year to date is 188.

Blow-Off Valves Replaced



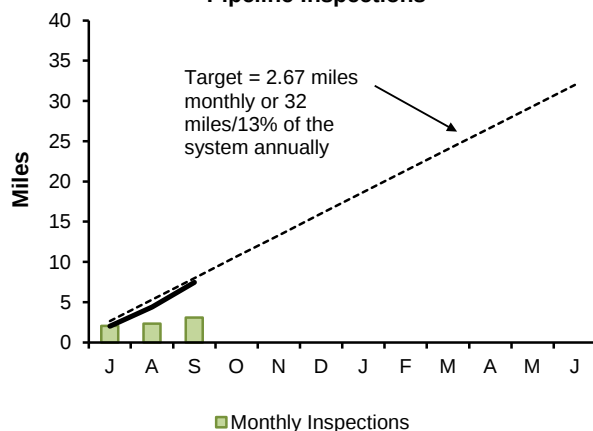
During the 1st Quarter of FY26, there were 4 blow off valves replaced. The total replaced for the fiscal year to date is 4.

Wastewater Pipeline and Structure Inspections and Maintenance

1st Quarter - FY26

Inspections

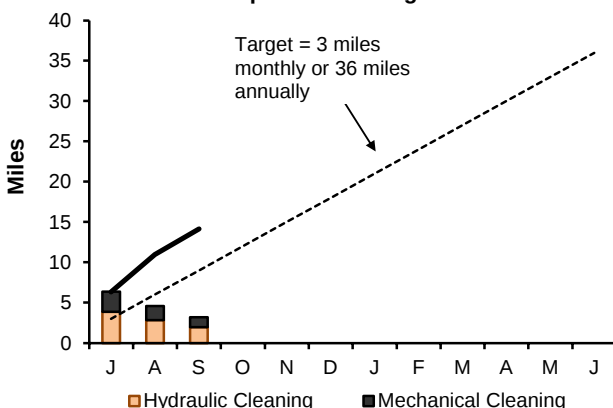
Pipeline Inspections



Staff internally inspected 7.49 miles of MWRA sewer pipe during this quarter. The year to date total is 7.49 miles. No Community Assistance was provided.

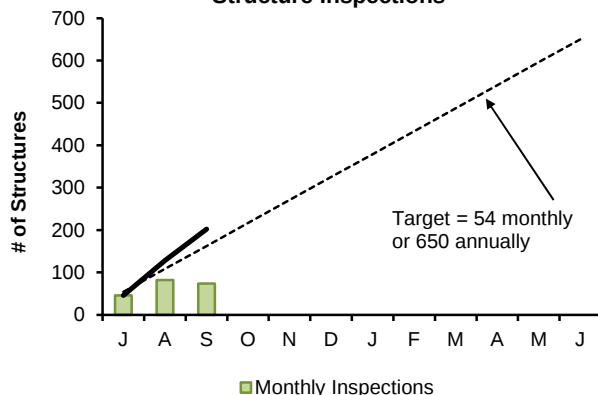
Maintenance

Pipeline Cleaning



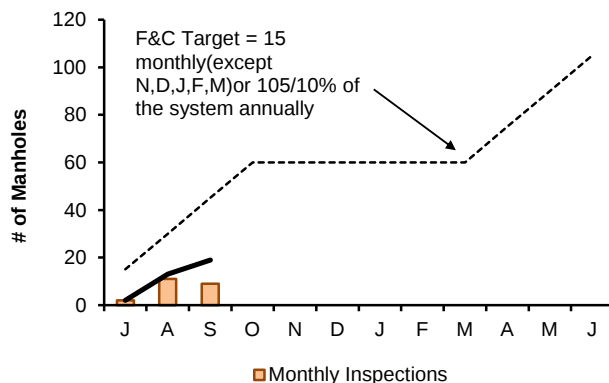
Staff cleaned 14.16 miles of MWRA sewer pipe, and removed 5.50 yards of grit. The year to date total is 14.16 miles. Community Assistance was provided to Clinton for an SSO.

Structure Inspections



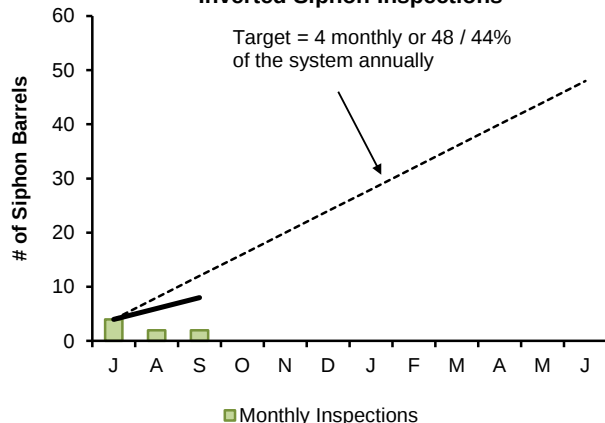
Staff inspected the 36 CSO structures and performed 166 other additional manhole/structure inspections during this quarter. The year to date total is 202 inspections.

Manhole Rehabilitation



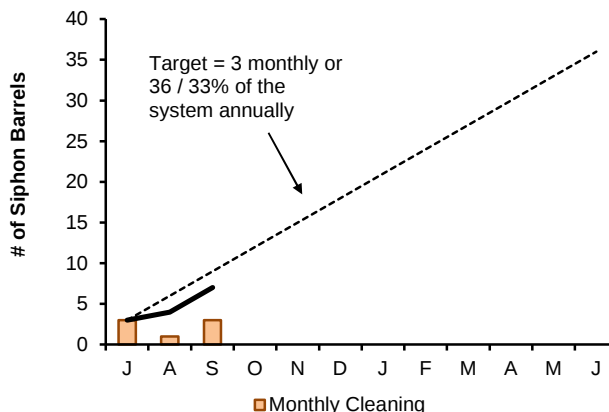
Staff replaced 19 frame and cover replacement this quarter. The year to date total is 19.

Inverted Siphon Inspections



Staff inspected 8 siphon barrels this quarter. The year total is 8 inspections.

Inverted Siphon Cleaning

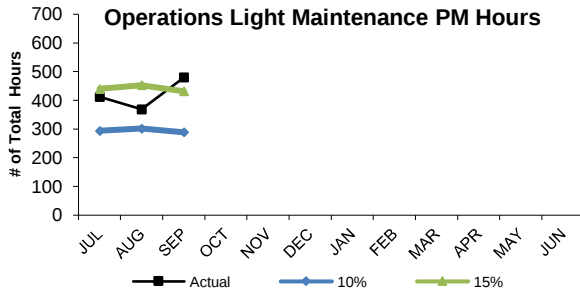


Staff cleaned 7 siphon barrels this quarter.

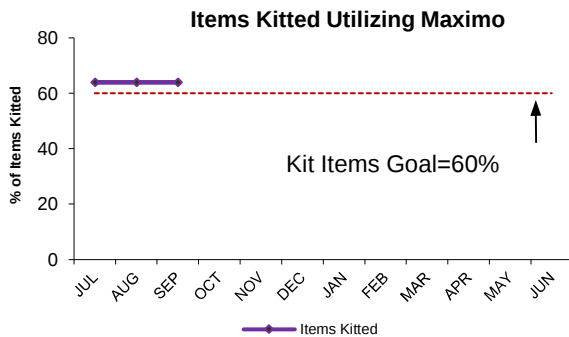
Field Operations' Metropolitan Equipment & Facility Maintenance

1st Quarter - FY26

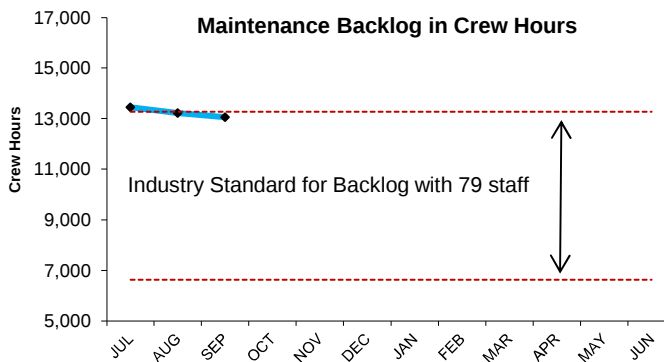
Several maintenance and productivity initiatives are in progress. The goal for the Overall PM completion and the Operator PM completion is 100%. The Operator PM and kitting initiatives frees up maintenance staff to perform corrective maintenance and project work, thus reducing maintenance spending. Backlog and overtime metrics monitor the success of these maintenance initiatives.



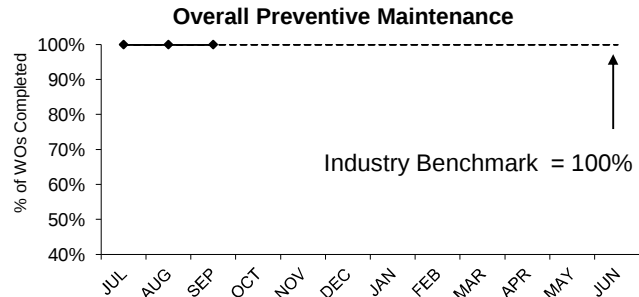
Operations staff averaged 420 hours per month of preventive maintenance during the 1st Quarter of FY26, an average of 14% of the total PM hours for the 1st Quarter, which is within the industry benchmark of 10% to 15%.



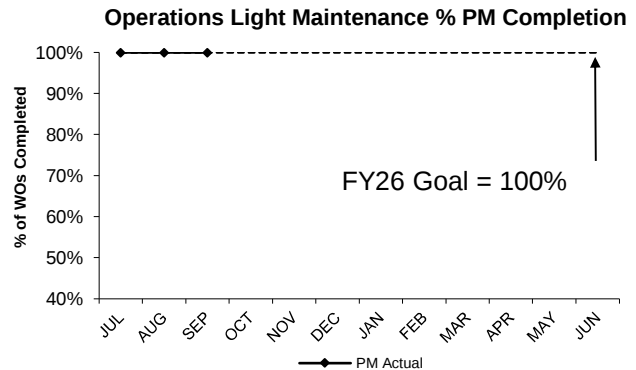
Operations' FY26 maintenance kitting goal has been set at 60% of all work orders to be kitted. Kitting is the staging of parts or material necessary to complete maintenance work. In the 1st Quarter of FY26, 64% of all applicable work orders were kitted. This resulted in more wrench time and increased productivity.



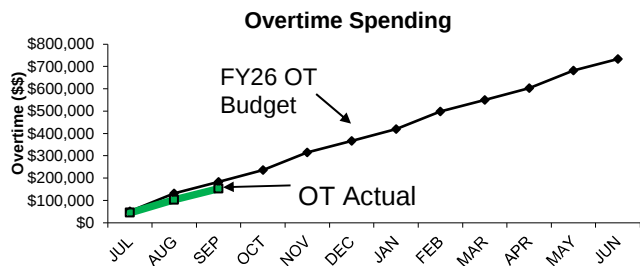
The 4th Quarter of FY26 backlog average is 13240 hours. Which is within the industry benchmark of 6,636 to 13,275 hours. The current backlog is due to vacancies and several large maintenance projects.



The Field Operations Department (FOD) preventive maintenance goal for FY26 is 100% of all PM work orders. Staff completed 100% of all PM work orders in the 1st Quarter of FY26.



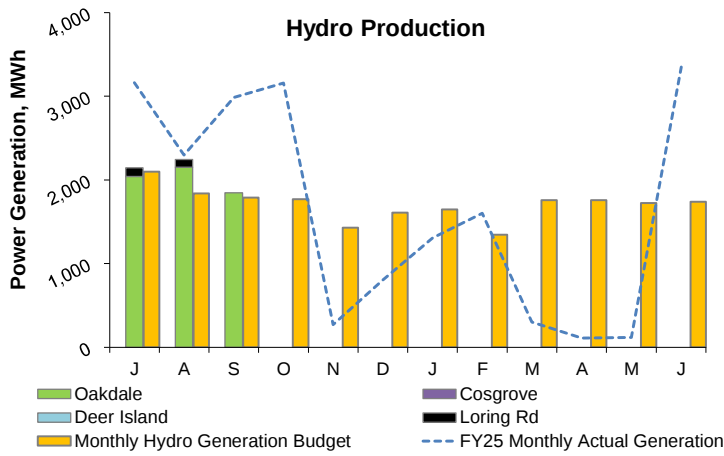
Wastewater Operations complete light maintenance PM's which frees up maintenance staff to perform corrective maintenance. Operations' FY26 PM goal is completion of 100% of all PM work orders assigned. Operations completed 100% of PM work orders in the 1st Quarter of FY26.



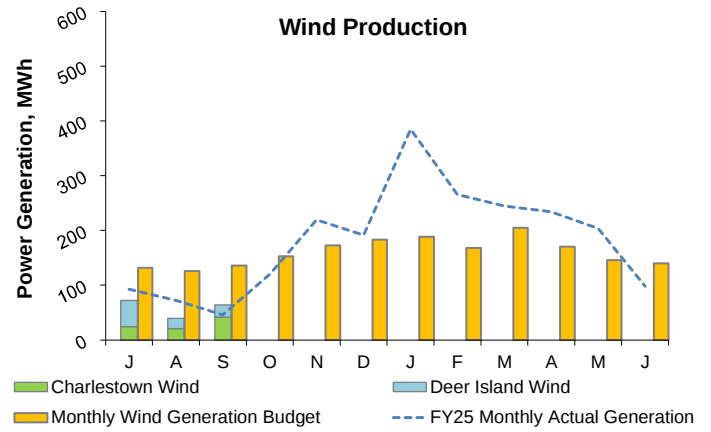
Maintenance overtime was \$10,005 under budget on average, per month, for the 1st Quarter of FY26. Overtime is used for critical maintenance repairs and wet weather events. The overtime budget through the 1st Quarter of FY26 is \$183,458. Overtime spending was \$153,443 which is \$30,015 under budget for the fiscal year.

Renewable Electricity Generation: Savings and Revenue

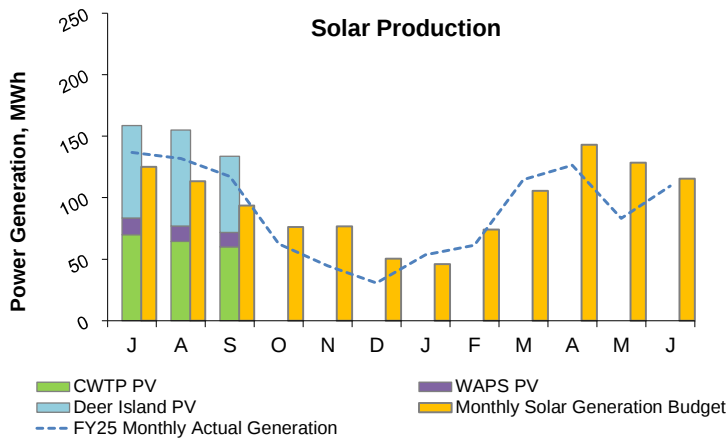
1st Quarter - FY26



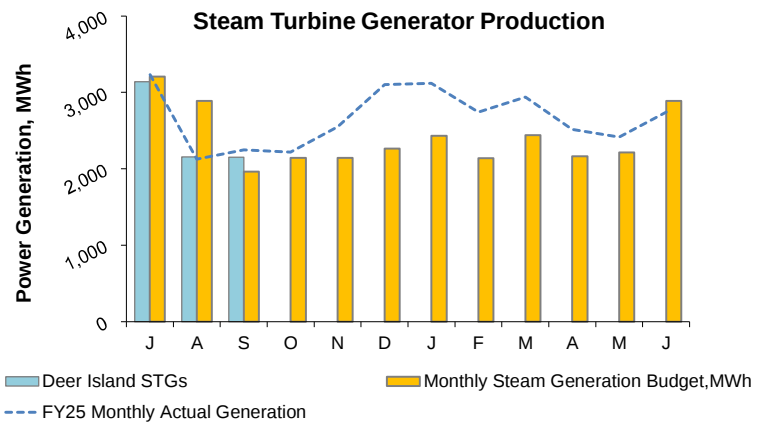
In Quarter 1, renewable energy produced from hydroelectric turbines totaled 6,334 MWh, 11% above budget. Deer Island hydroturbines are both unavailable due to wicket gate rehabilitation and other repairs. Cosgrove remains offline to allow for rehab work at the Wachusett Dam Lower Gatehouse, and is expected to return to service in Q2. Billing data for the Loring Rd turbine has not yet been received



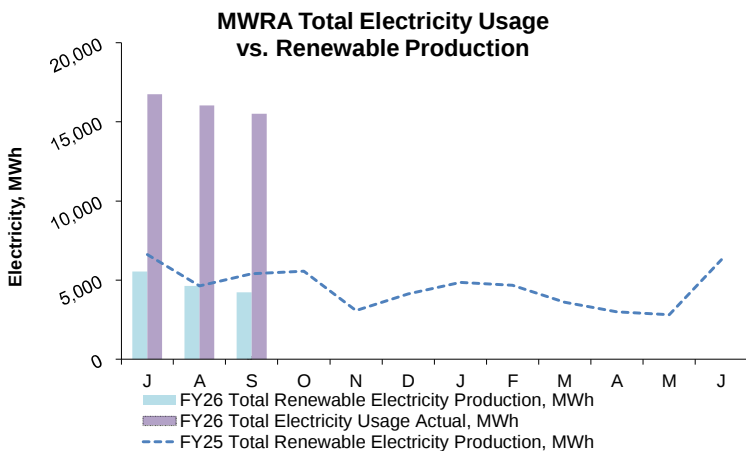
In Quarter 1, wind turbine production totaled 175 MWh, 55% below budget. Deer Island Turbine #1 has been out of service since April 2022 and is scheduled for replacement by 2027.



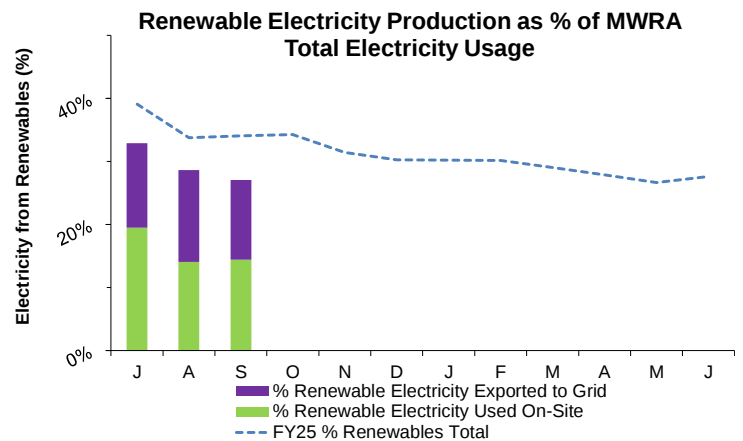
In Quarter 1, energy production from all solar PV systems totaled 447 MWh; 35% above budget¹. The Deer Island Residuals Odor Control roof mounted array has been offline since September 2022 due to a failed inverter. The system will remain offline pending full replacement.



In Quarter 1, the renewable energy produced from Deer Island's steam turbine generators totaled 7,446 MWh; 8% below budget¹.



In Quarter 1, total renewable electricity production was 14,402 MWh, 1% below budget. The MWRA total electricity usage is the sum of all electricity purchased for Deer Island and FOD plus electricity produced and used on-site at these facilities. Approximately 99% of FOD electrical accounts are accounted for by actual billing statements; minor accounts that are not tracked on a monthly basis such as meters and cathodic protection systems are estimated based on this year's budget.

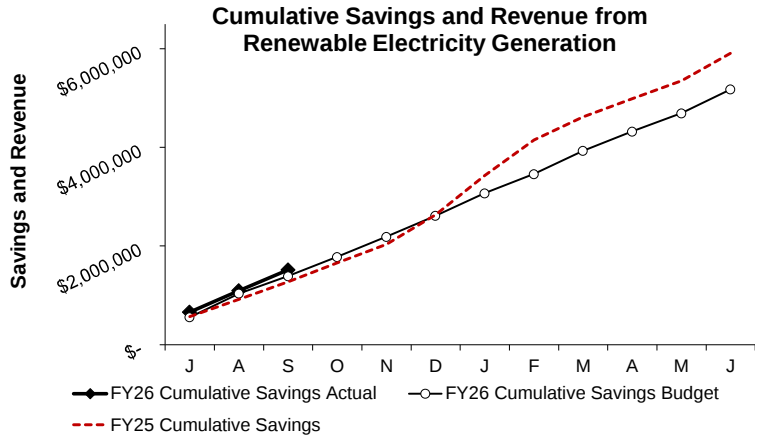
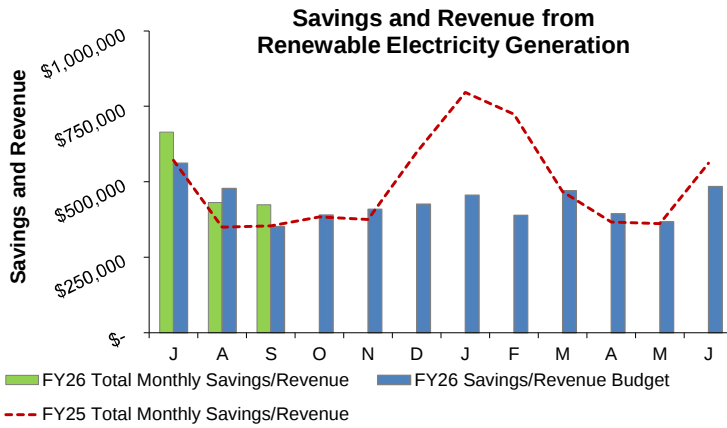


All renewable electricity generated on DI is used on-site (this accounts for more than 50% of MWRA renewable generation). Almost all renewable electricity generated off-DI is exported to the grid.

Notes: 1. Budget values are based on historical averages for each facility and include operational impacts due to maintenance work.

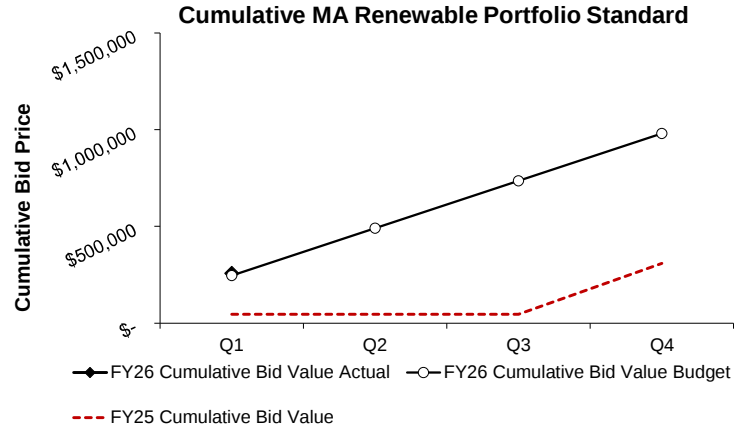
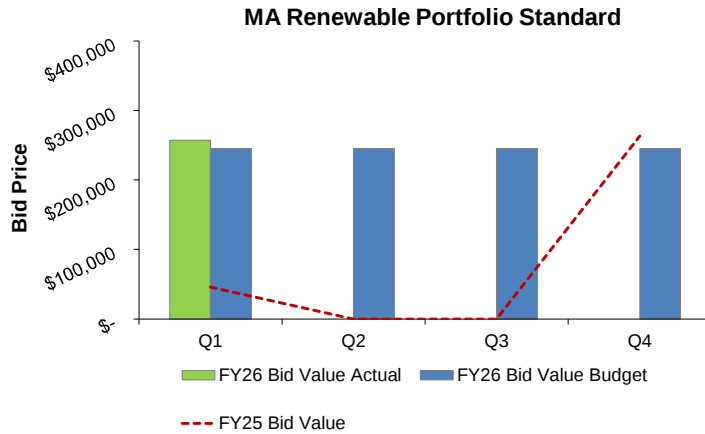
Renewable Electricity Generation: Savings and Revenue

1st Quarter - FY26



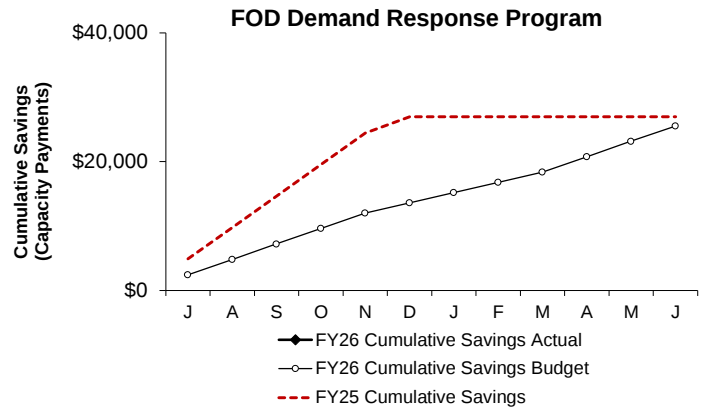
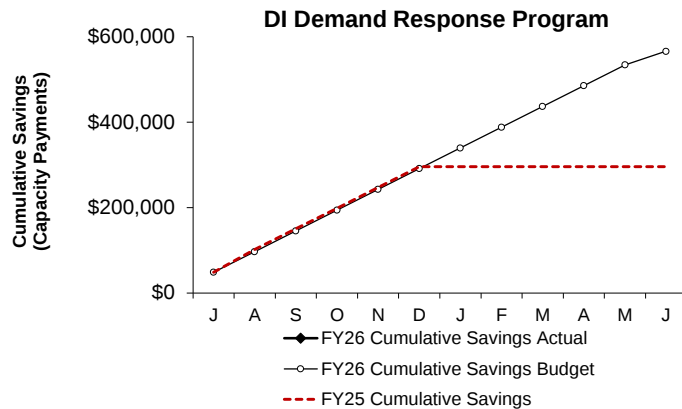
Savings and revenue from renewable sources is estimated at \$1,519,211 in Quarter 1, 9% above budget. Pricing for DI Energy is estimated in September due to billing delays.

Savings and revenue¹ from all renewable energy sources include wind turbines, hydroelectric generators, solar panels, and steam turbines (DI). This includes savings and revenue due to electricity generation (does not include avoided fuel costs and RPS RECs). The use of DITP digester gas as a fuel source provides the benefit of both electricity generation from the steam turbine generators, and provides thermal value for heating the plant, equivalent to approximately 5 million gallons of fuel oil per year (not included in charts above).



5,993 Class I RECs Renewable Energy Certificates (RECs) were sold in Q1 of FY26^{2,3} with a value of \$189,128, as well as 2,449 Class II RECs with a value of \$68,174. REC values reflect the bid value on the date that bids are accepted. Cumulative bid values reflects the total value of bids received to date.

*MWRA's SRECs have transitioned to the Class 1 REC category starting in FY23.

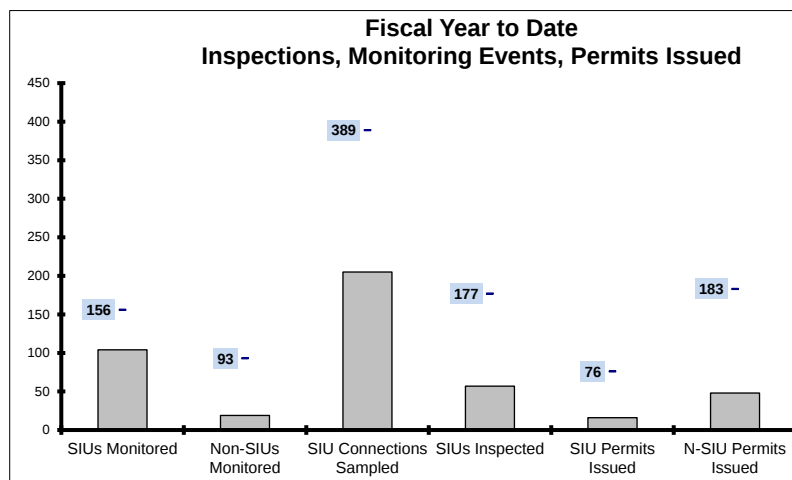


Currently Deer Island, Loring Rd, Brusch Hydro, and JCWTP participate in the ISO-New England Demand Response Programs. By agreeing to reduce demand and operate the facility generators to help reduce the ISO New England grid demand during periods of high energy demand, MWRA receives monthly Capacity Payments from ISO-NE. When MWRA operates the generators during an ISO-NE called event, MWRA also receives energy payments from ISO-NE. Payments total \$295,710 through December 2024 at Deer Island, and \$26,978 through December for Loring Rd, Brusch Hydro, and JCWTP. No payments have been received for FY26.

- Notes:
1. Savings and Revenue: Savings refers to any/all renewable energy produced that is used on-site therefore saving the cost of purchasing that electricity, and revenue refers to any value of renewable energy produced that is sold to the grid.
 2. Only the actual energy prices are being reported. Therefore, some of the data lags up to 3 months due to timing of invoice receipt.
 3. Budget values are based on historical averages for each facility and include operational impacts due to maintenance work.

Toxic Reduction and Control

1st Quarter - FY26



EPA Required SIU Monitoring Events
for FY25: 156
YTD : **104**

Required Non-SIU Monitoring Events
for FY25: 93
YTD : **19**

SIU Connections to be Sampled
For FY25: 389
YTD: **205**

EPA Required SIU Inspections
for FY25: 177
YTD: **57**

SIU Permits due to Expire
In FY25: 76
YTD: **16**

Non-SIU Permits due to Expire
in FY25: 183
YTD: **48**

Significant Industrial Users (SIUs) are MWRA's highest priority industries due to their flow, type of industry, and/or their potential to violate limits. SIUs are defined by EPA and require a greater amount of oversight. EPA requires that all SIUs *with flow* be monitored at least once during the fiscal year.

The "SIU Monitored" data above, reflects the number of industries monitored; however, many of these industries have more than one sampling point and the "SIU Connections Sampled" data reflect samples taken from multiple sampling locations at these industries.

EPA requires MWRA to issue or renew 90 percent of SIU permits within 120 days of receipt of the application or the permit expiration date - whichever is later. EPA also requires the remaining 10 percent of SIU permits to be issued within 180 days.

Number of Days to Issue a Permit								
	0 to 120		121 to 180		181 or more		Permits Issued	
	SIU	Non-SIU	SIU	Non-SIU	SIU	Non-SIU	SIU	Non-SIU
Jul	9	12	0	0	0	4	9	16
Aug	0	11	0	1	0	0	0	12
Sep	6	13	1	3	0	4	7	20
Oct	0	0	0	0	0	0	0	0
Nov	0	0	0	0	0	0	0	0
Dec	0	0	0	0	0	0	0	0
Jan	0	0	0	0	0	0	0	0
Feb	0	0	0	0	0	0	0	0
Mar	0	0	0	0	0	0	0	0
Apr	0	0	0	0	0	0	0	0
May	0	0	0	0	0	0	0	0
Jun	0	0	0	0	0	0	0	0
% YTD	94%	75%	6%	8%	0%	17%	16	48

TRAC's annual monitoring and inspection goals are set at the beginning of each fiscal year but they can fluctuate due to the actual number of SIUs.

In addition to the Annual SIU inspections required under TRAC's EPA approved Industrial Pretreatment Program, other inspections are usually undertaken, including for enforcement, permit renewal, follow up, temporary construction dewatering sites, group/combined permit audits, spot, sampling locations, visit only and out of business facility.

Monitoring of SIUs and Non-SIUs is dynamic for several reasons, including: newly permitted facilities; sample site changes requiring a permit change; changes in operations necessitating a change in SIU designation; non-discharging industries; a partial sample event is counted as an event even though not enough sample was taken due to the discharge rate at the time; and sometimes increased/decreased inspections lead to permit category changes requiring additional monitoring events

This is the first quarter of the MWRA fiscal year, FY26.

In this quarter, 64 permits issued.

There were 16 SIUs, of which 6 were issued on time.

There were 48 non-SIUs of which 13 were issued on time, with 18 late beyond 180 days.

All but 6 of the SIU permits were issued within the 120-day timeframe. The 1 SIUs issued after 120 days were due to outstanding permit fees holding up the issuance of the permits.

In FY25, there have been 34 completely new permits issued: 3-LFLP, 10-02 N-SIUs, 15-Dental, 4-DEW, 1 One-Time, 1-G2

For the Clinton Sewer Service area, there was 0 SIU permits issued during the 4th Q FY25.

TRAC completed 5 first time SIU monitoring events and 35 first time NSIU monitoring events.

Permit Categories, as defined in CMR 10.101(2):

SIU- Significant Industrial User

DEW - Category 12 Temporary Construction Site Dewatering Permit

LFLP - Category 10 Non-Significant Industrial User with Low Flow and Low Pollutant

02 N-SIU - Category 2 Non-Significant Industrial User

Dental - Category D1 Dental Group Permit

G2 - Category G2 Group Permit for Food Processing

One- Time - One Time Discharge Permit

Field Operations Highlights

1st Quarter – FY26

METRO WATER OPERATIONS AND MAINTENANCE

Valve Program:

- Supported isolations on: Sections 90 & 68 (Blow Off Replacement), Sections 8 & 44 (Main Line Valve Replacement), Sections 80, 45, 8 (Leak Repairs). CIP Contractors were supported by isolation and dewatering of portions of Section 101 (Contract 7457), Section 25 (Contract 6956) and Section 47 (Contract 7484). Other work included the repair of a butterfly valve on WASM 10B, Meter 230 Check Valve Repair, Walnut Hill Tank draining, Bellevue Tank Control Valve Rebuild and the mainline valve exercising of 16 water main sections.

Water Pipeline Program

- Staff completed Blow-Off replacements in Revere (Section 68) and Hyde Park (Sections 90), Main Line Valve Replacements in Hyde Park (Section 44) and East Boston (Section 8). Additional work during the quarter included leak repairs on the Section 80 (36-inch main) in Wellesley and Needham, West Roxbury (Section 77), Arlington (Section 45), and Waltham (WASM10).

OPERATIONS ENGINEERING

Capital Project Support:

- Section 89 Replacement: Staff continued to provide submittal review and developed plans for the reactivation of the final phase of the project.
- NEHS Improvements: Staff continued to provide support on CP2 and CP3. Provided submittal review for CP2 and provided comments and hydraulic modeling support for CP3.
- Section 24 and 25: Staff coordinated final walkthrough and provided review comments on detail records and final documentation.
- Sections 99 and 53: Staff provided hydraulic modeling and review comments on the 100% design submittal.
- Walnut Hill Tank Rehab: Supported submittal reviews and developed plans for isolation of tank.
- Hydraulic Model Upgrades: Staff continued to provide an in-depth review of the final model and developed updated demand scenarios to support the Tunnel Program.
- Section 101: Staff supported the startup of the new portion of Section 101 and are providing detail record reviews.

Operations Support:

- Staff continue to manage the Union Park Contract and prioritize and implement facility projects. Coordinating SCADA Upgrades
- Staff provided bi-weekly onsite monitoring of the H2S levels for the Odor Control systems at BWRPS and HNPS and continued to monitor levels at NIHW.
- Community Support: Staff supported the startup of the Winthrop PRV's and BWSC's valve replacement project in East Boston.
- Metro Process Control: Continued Processbook development for facilities and OMMS. Provided support on the conversion from Processbook to DataParc and the COMMS rollout.

SCADA

Water System Work

- Continued technical support for: JCWTP PLC replacement project and network management improvements; Wachusett Lower Gate House and Steel Tank Projects; firewall update project. Replaced PLC processor at Oak Hill; began replacement of Nash Hill MPLS equipment with new PIP circuit router; installed new PIP circuit router at Shaft 5; began reorganization of western servers; installed new time server on metro water network.

Wastewater System Work

- Continued work on: network management improvements and Braintree/Weymouth Pump Station Improvements. Replaced PLC rack in S. Boston Pump Station; installed wireless routers at Hingham and IPS; worked on design of CSO beacon; reviewed design of Ward St/Columbus upgrade; continued design of BOSO19 and Framingham SCADA upgrades; updated router at New Neponset; started rebuild of license servers; developing logic for Somerville Marginal Beacon.

ENVIRONMENTAL QUALITY-WATER

- Algae: Early in the quarter *Chrysosphaerella* algae levels were elevated in Quabbin reservoir, and reservoir-profiling buoy data also showed increasing levels of chlorophyll-a at both reservoirs. *Chrysosphaerella* and chlorophyll-a levels decreased in the Quabbin reservoir in August and were not detected by September. Continued weekly cyanobacteria inspections at active and standby reservoirs.
- Regulatory Sampling: Staff conducted Unregulated Contaminant Monitoring Rule sampling July 7–9.

Field Operations Highlights

1st Quarter – FY26

Synthetic Organic Compounds and perchlorate samples were collected at MWRA finished water taps in August. Staff performed regulatory Q3 Disinfection-by-product sampling on August 11 – 14. Staff performed regulatory Optimal Water Quality Parameter quarterly sampling between September 8 – 16 at 27 community locations.

- Non-Regulatory: Staff performed weekly sampling at Chestnut Hill reservoir in response to elevated levels of cyanobacteria. Results from July required notification to DEP and DPH and posting a cyanobacteria advisory. Continued weekly sampling from late July to September until two rounds of sampling showed cyanobacteria levels decreased below the DPH threshold. DPH lifted the advisory on September 15. In August, staff performed second-year sampling for DBPs and opportunistic pathogens in Marblehead, Brookline and Milton for a research project.
- In-House Support: This quarter, staff continued sampling for the CWTP lead pipe-rig study. On July 25 conducted pipeline clearance sampling in Waltham. On August 7 conducted clearance sampling at Waltham's Cedarwood tank. Water quality and VOC test results were typical, and the tank was reactivated. On September 18 and 23, performed clearance sampling in support of Winthrop PRV station improvement project. On September 30 performed clearance sampling at pipeline locations in Chelsea/East Boston.
- Contaminant Monitoring System (CMS): Responded to seven CMS alarms. On September 10 and 11 performed enhanced monitoring of all CMS sites and buoys, with no issues observed in support of 9/11 security monitoring protocol.
- Wachusett & Quabbin Buoys: Monthly swapping of sondes on Quabbin and Wachusett buoys with freshly calibrated sondes. A fixed depth buoy continued to monitor water quality in Wachusett's Quinapoxet Basin.
- Data Management Group (<http://wqdmgdev.mwra.net/>): Staff submitted monthly DEP and DPH reports on schedule. Total coliform Rule (TCR) data for Chicopee were updated in databases. Staff also fulfilled two data requests this quarter. Programming developed and tested UV-IT calculation algorithms for compliance reporting as a redundant measure to the routine software.
- Environmental/Chemical Contract Management: Staff began 5-year SWPP update for Lonergan Intake. The Bulk Treatment Chemical Supply

Emergency Action Plan was revised and finalized. Staff collected sodium hypochlorite samples for contract lab testing and trained a new CWTP employee on chemical delivery acceptance and testing procedures.

ENVIRONMENTAL QUALITY- WASTEWATER

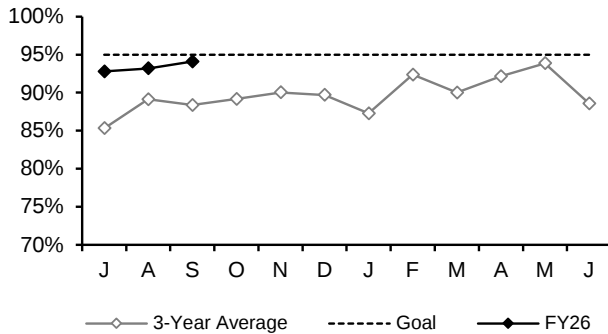
- Ambient Monitoring: Following elevated paralytic shellfish poisoning (PSP) observations in Massachusetts Bay reported by the Division of Marine Fisheries on May 28, MWRA initiated Alexandrium rapid response surveys starting June 3. Results showed counts exceeding 100 cells per liter, resulting in a Contingency Plan exceedance, which was reported to regulatory agencies as required by the NPDES permit. MWRA continued enhanced weekly monitoring through July 8, when results confirmed the bloom had ended. Surveys of the seafloor in Boston Harbor and Massachusetts Bay were completed in early August. Staff are working on the annual Outfall Monitoring Overview, the outfall benthic report, and the Bowdoin College chlorophyll report.
- Harbor/CSO Receiving Water Monitoring: Staff submitted the annual water quality report for the Charles and Mystic Rivers and Alewife Brook as required by the CSO Variances on July 15.
- Permitting and Compliance Reporting: There were 14 notification/web postings about CSOs and blending. Posted 21 compliance documents to MWRA's website. Submitted the Clinton Landfill Spring 2025 Semiannual Groundwater and Stormwater Report to MassDEP in July. Demand Management and I/I Reports required by the DITP NPDES Permit were submitted in August. Submitted new Multi-Sector General Permit No Exposure Certifications for 13 wastewater facilities in September.
- Cooperation with other agencies: Staff attended monthly meetings with EPA and DEP on MWRA's CSO control efforts. ENQUAL staff have also been participating with other stakeholders on CSO engagement and public notification efforts. Staff attended and participated in the September CSO public meeting. Staff attended the Northeastern Regional Association of Ocean Observing Systems Board of Directors meeting in August. Staff are working with Deer Island to complete a questionnaire on DITP for the Massachusetts Division of Marine Fisheries.

Laboratory Services

1st Quarter - FY26

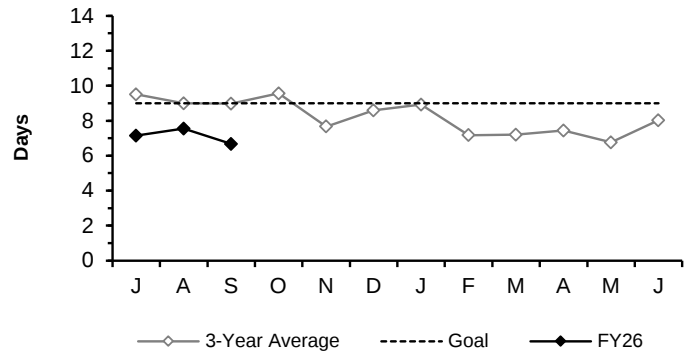
Laboratory Services supports the laboratory sampling, testing, and consulting needs of various client groups primarily in the Operations Division. This includes drinking water transmission and treatment, wastewater collection and treatment, wastewater residuals management, industrial-pretreatment monitoring, and environmental quality.

Percent On-Time Results



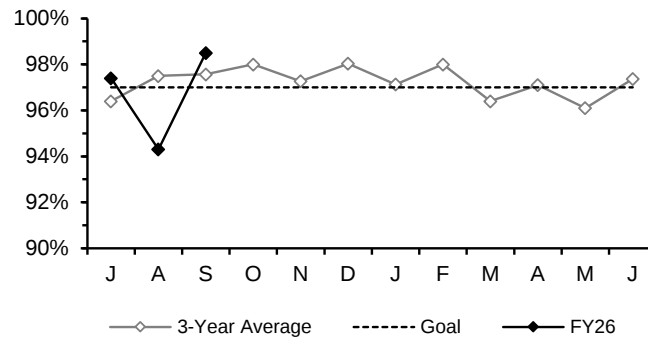
The Percent On-Time measurement assesses performance against internal client due dates. These due dates are shorter than the compliance reporting requirements to allow for internal review of the data.

Turnaround Time



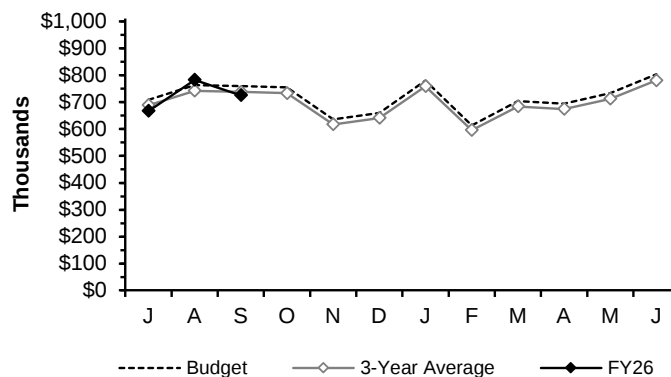
Turnaround Time measures the average time from sample receipt to sample completion.

Percent QC Within Specifications



Percent QC Within Specifications measures the fraction of Quality Control tests that met required limits during the month.

Value of Services Rendered



Value of Services Rendered models the true cost of the lab work performed, including fringe benefits that are not a part of the Laboratory Services budget.

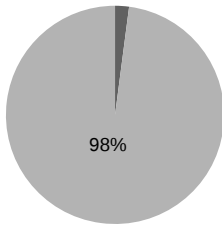
School Lead Program: During the 1st quarter of FY26, MWRA's lab completed 402 tests from 55 schools and childcare facilities in 28 communities. Since 2016, MWRA's Laboratory has conducted over 47,000 tests from 717 schools and daycares in 49 communities. We have also completed 1126 home lead tests under the DPH sampling program and 2326 lead tests in response to resident requests since 2017.

CONSTRUCTION PROGRAMS

Engineering & Construction Projects In Construction

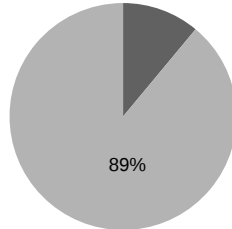
1st Quarter – FY26

Cost



■ Amount Remaining
■ Billed to Date

Time



■ Time Remaining
■ Time Expended

Carroll Water Treatment Plant SCADA Improvements

Project Summary: The current SCADA control equipment has reached the end of its useful life, and future vendor support for the installed PLC base is no longer guaranteed. This contract includes the supply and installation of replacement instrumentation panels, PLC's, UPS backup power, fiber-optic communication network, wiring between the existing panels, and new equipment and refurbishment of the operator control room. In addition, a new server room equipped with HVAC and fire suppression is being constructed to house redundant computer hardware supporting active and backup SCADA systems.

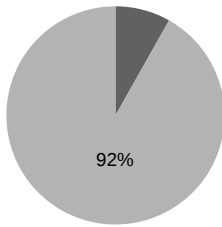
Contract Amount: \$13,808,614.75

Contract Duration: 1,675 Days

Notice to Proceed: 1-Sep-21

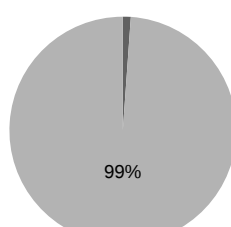
Contract Completion: 3-Apr-26

Cost



■ Amount Remaining
■ Billed to Date

Time



■ Time Remaining
■ Time Expended

Section 89 Replacement Pipeline

Project Summary: This project will include replacement of a 10,500-foot portion of PCCP with class IV reinforcing wire, line valves and appurtenances, and abandonment of the 118-year old, 24-inch diameter cast iron Section 29 pipeline.

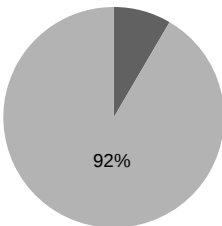
Contract Amount: \$36,983,977.57

Contract Duration: 1,534 Days

Notice to Proceed: 5-Aug-21

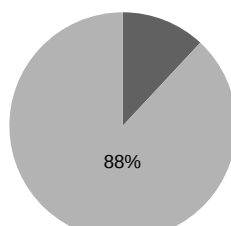
Contract Completion: 17-Oct-25

Cost



■ Amount Remaining
■ Billed to Date

Time



■ Time Remaining
■ Time Expended

Intermediate High Pipeline Improvements CP2

Project Summary: This contract includes replacement and hydraulic pipe size increase from 16 to 20 inches of 5,900 linear feet for Section 25 and the cleaning and lining rehabilitation of 3,300 linear feet of Section 24 along with replacement of revenue Meters 2 and 40 (both serving Watertown). The majority of this work is located in Watertown with minor work in Newton at the crossing of the Charles River. This project also reroutes Section 25 from Common Street in Watertown, to Bellevue Road, Russell Avenue and extending along Mount Auburn Street per the request of the City of Watertown following road reconstruction work in Common Street.

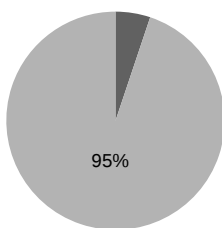
Contract Amount: \$22,080,200.69

Contract Duration: 912 Days

Notice to Proceed: 20-Jul-23

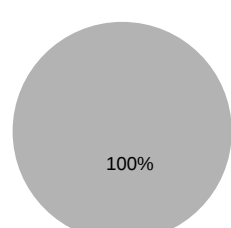
Contract Completion: 17-Jan-26

Cost



■ Amount Remaining
■ Billed to Date

Time



■ Time Remaining
■ Time Expended

Construction of Water Mains – Section 101

Project Summary: This construction contract consists of a new 36-inch diameter water main and appurtenances extending from MWRA's Meter 182 at the Waltham/Lexington town line down Lexington Street to Totten Pond Road, where it will connect to Waltham's water system. This new water main will provide sufficient capacity to maintain water service to Waltham during the anticipated shutdown of MWRA's WASM 3 pipeline and the Lexington Street Pumping Station for future rehabilitation.

Contract Amount: \$37,293,126.11

Contract Duration: 1175 Days

Notice to Proceed: 12-Jul-22

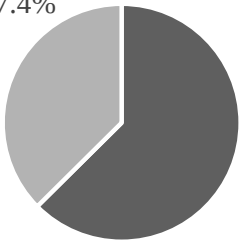
Contract Completion: 29-Sep-25

Deer Island Wastewater Treatment Plant Projects In Construction

1st Quarter – FY26

Cost

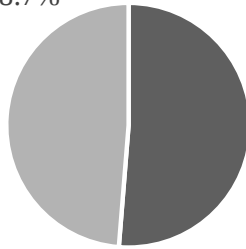
37.4%



- Amount Remaining
- Billed to Date

Time

48.7%



- Time Remaining
- Time Expended

7395 - Clarifier Rehabilitation Phase 2

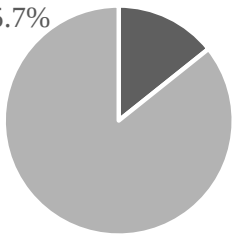
Project Summary: This project involves the replacement of the original remaining scum and sludge equipment, as follows: over 400 Primary Clarifier influent, effluent, and dewatering gates; 384 primary effluent cross channel gate actuators; approximately 450 secondary scum influent gates and actuators; wear strip rails, 768 head shaft and idler sprockets; over 3000 linear feet of influent channel aerations piping systems; 360 head shafts collector drives and chains; return sludge line vent piping; approximately 400 concrete and aluminum hatches and associated electrical and control systems.

Contract Amount: \$296,551,613.00 **Contract Duration:** 1919 Days

Notice to Proceed: 10-Mar-23 **Contract Completion:** 10-Jun-28

Cost

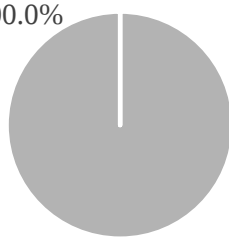
85.7%



- Amount Remaining
- Billed to Date

Time

100.0%



- Time Remaining
- Time Expended

7734 - Deer Island Treatment Plant Roofing

Replacement at Various Buildings

Project Summary: This project includes the removal and replacement of 86,500 square feet of roofing on the following buildings: Cryogenic Compressor; Gravity Thickener Complex; Thermal/Power Plant; Main Switchgear; and Digester Complex Modules 1, 2 and 3. Buildings to be reroofed in the Digester Complex include: Module 1- Digester Equipment Complex Roof, Elevator/Stair Lobby Roof and Elevator Penthouse Roof; Module 2 - Digester Equipment Complex Roof; and Module 3- Digester Equipment Complex Roof and Elevator Penthouse Roof.

Contract Amount: \$8,930,259.49 **Contract Duration:** 545 Days

Notice to Proceed: 28-Dec-2023 **Contract Completion:** 25-Jun-2025

CSO Control Program

1st Quarter – FY26

Overview

Over the last 35 years substantial progress has been made toward reducing Combined Sewer Overflow (CSO) discharges within the Metropolitan Boston area. All 35 projects in the CSO Long-Term Control Plan (LTCP) were completed as of December 2015. Subsequently, MWRA completed a multi-year CSO post-construction monitoring program and performance assessment, filing the Final CSO Post Construction Monitoring Program and Performance Assessment Report with the Court and submitted copies to EPA and DEP in December 2021. A supplement to the 2021 Final Combined Sewer Overflow Report was submitted in December 2024. April 2024 Annual report shows an 88% reduction in CSO in a typical year, from 3.3 billion gallons to 397 million gallons, with 78 of 86 outfalls meet or materially meet the LTCP goals for CSO activation frequency and volume. MWRA, Cambridge, and Somerville (referred to as the Partners) are each required to submit a Draft Updated CSO Control Plan for their respective outfalls (or a joint plan) to MassDEP and the U.S. Environmental Protection Agency (“EPA”) by December 31, 2025. Plans are required to include evaluation of CSO control alternatives *up to and including full elimination*.

Court Ordered Levels of CSO Control

MWRA attended the final required joint meeting with the Conservation Law Foundation (CLF) and the MassDEP/EPA on 12/13/2024.

Ongoing Projects as of October 1, 2025

- *East Boston CSO Control*: BWSC completed Phase 3 of East Boston CSO Control in spring 2024. Phase 4 includes five sewer separation contracts, finishing by 2030. The first contract was advertised in spring 2025 and given notice to proceed on 9/9/2025.
- *South Boston*: –Contract 1 completed September 2023, Contract 2 projected to be completed by 4/6/2026, Contract 3 is ongoing with notice to proceed given 10/7/2024. Contract 4 is still in the design phase.
- *Somerville Marginal New Pipe Connection*- the Somerville Marginal New Pipe Connection involves constructing a new underground junction chamber and motorized control gate to hydraulically connect the Somerville Marginal influent conduit with the interceptor, providing real-time flow control and system integration with MWRA SCADA to reduce CSO discharges to the Mystic River. RJV Contractors was awarded the notice to proceed in October 2025 and the anticipated substantial completion date is February 2026.
- *CAM005* – weir will be raised and lengthened to reduce CSO activation and frequency. A Draft Preliminary Design workshop was held on 12/19/24 with Cambridge DPW and Mount Auburn Hospital. The task order to modify the RE-051 weir wall is at the 100% design. Advertised 8/7/2025; NTP 10/6/2025. Construction plans and specifications are under review. Anticipated construction NTP 12/15/25.

CSO Variances

MassDEP has issued multi-year CSO variances allowing MWRA, Cambridge, and Somerville to continue limited CSO discharges to Alewife Brook, the Upper Mystic River, and the Charles River lower basin. The 2024 variances require Updated LTCPs, addressing CSO control levels, cost evaluations, performance improvements, public participation, and affordability.

- Plan Timeline: Draft Updated LTCP due December 31, 2025. Final Plan due December 2027.
- Approval & Schedule: MassDEP and EPA conditionally approved MWRA’s Scope of Work on 5/11/2022. A schedule extension was submitted on 9/22/22, and in May 2023, EPA/MassDEP confirmed adherence to the revised schedule.
- Meetings & Public Engagement: Monthly meetings track progress, with the last held on 10/8/2025 and the next on 11/12/2025. A public meeting sharing Updated CSO Control Plans: Alternative Under was held on 9/25/2025. Next public meeting in fall of 2026.
- Completed & Upcoming Studies:
 - O Alewife PS Optimization (submitted 4/27/2021)
 - O Somerville Marginal CSO Reduction Study (submitted 12/27/2021)
 - O Alewife Brook & Charles River System Optimization (submitted 12/28/2022)
 - O MWRA CSO Variances Optimization Measures Report (submitted 1/31/2023)
 - O Odor control feasibility study complete and submitted 6/2/2025
 - O Real-time notification submitted 8/29/2025
 - O Floatables control study submitted 9/30/2025

CIP Expenditures

1st Quarter – FY26

FY26 Capital Improvement Program Expenditure Variances through September by Program - (\$ in thousands)				
Program	FY26 Budget Through September	FY26 Actual Through September	Variance Amount	Variance Percent
Wastewater	\$37,642	\$25,682	(\$11,960)	-32%
Waterworks	\$27,108	\$27,193	\$85	0%
Business and Operations Support	\$5,117	\$2,199	(\$2,918)	-57%
Total	\$69,868	\$55,074	(\$14,794)	-21%

Wastewater:

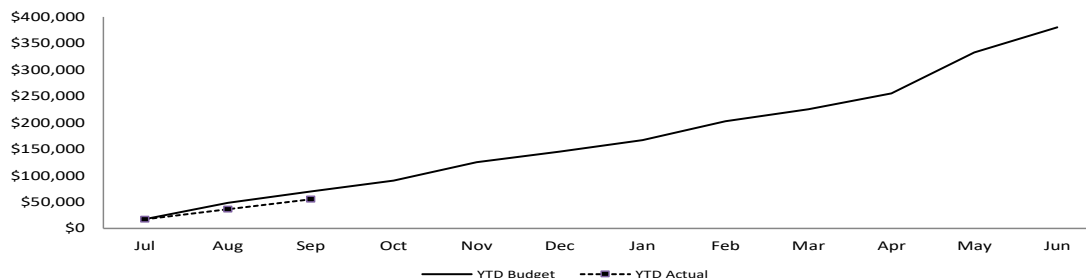
- Spending was less than planned in Wastewater primarily due to less than anticipated grants and loans for the Infiltration/Inflow (I/I) Local Financial Assistance Program, less than planned contractor progress for the Hayes Pump Station Rehab Construction, Deer Island Treatment Plant Clarifier Rehabilitation Phase 2 Construction and the DITP Roof Replacement contracts, and lower than projected task order work for DITP As-Needed Design contracts.
- This less than planned spending was partially offset by greater than planned consultant progress for Digester & Storage Tank Rehab Design/ESDC, and work anticipated in FY25 that was completed in FY26 for the West Roxbury Tunnel Inspection and Braintree-Weymouth Improvements contracts.

Water:

- Spending was greater than planned in Waterworks primarily due to contractor progress for Section 56 Replacement/Saugus River Construction, CP-2 NEH Improvements, NIH Section 89/29 Replacement, CP-2, Sections 24 & 25 Construction as well as greater than anticipated requests for community loans for the Local Financial Assistance Program.
- This greater than planned spending was partially offset less than anticipated contractor progress for the Section 75A and 47 Extension CP-1, Waltham Section 101 Pipeline Construction and Wachusett Lower Gatehouse Pipe Replacement contracts, less than anticipated consultant progress for Metropolitan Water Tunnel Program Final Design/ESDC and Geotechnical Support Services, WASM 3 MEPA/Design/CA/RI, and Walnut Hill Steel Water Tank Painting and Improvements CA, lower than projected task order work for CWTP Technical Assistance, and schedule change for NIH Storage Design/CA/RI.

Budget vs. Actual CIP Expenditures (\$ in thousands)

Total FY26 CIP Budget of \$380,250



Construction Fund Management

All payments to support the capital program are made from the Construction Fund. Sources of fund in-flows include bond proceeds, commercial paper, SRF reimbursements, loan repayments by municipalities, and current revenue. Accurate estimates of cash withdrawals and grant payments (both of which are derived from CIP spending projections) facilitate planning for future borrowings and maintaining an appropriate construction fund balance.

Cash Balance as of 9/27/25	\$117.1 million
Unused capacity under the debt cap:	\$2.64 billion
Estimated date for exhausting construction fund without new borrowing:	November 2025
Estimated date for debt cap increase to support new borrowing:	Not anticipated at this time
Commercial paper/Revolving loan outstanding:	\$ 139.5 million
Commercial paper capacity / Revolving Loan	\$ 98.8 million
Budgeted FY26 Cash Flow Expectancy*:	\$245 million

DRINKING WATER QUALITY AND SUPPLY

Source Water – Microbial Results and UV Absorbance

1st Quarter – FY26

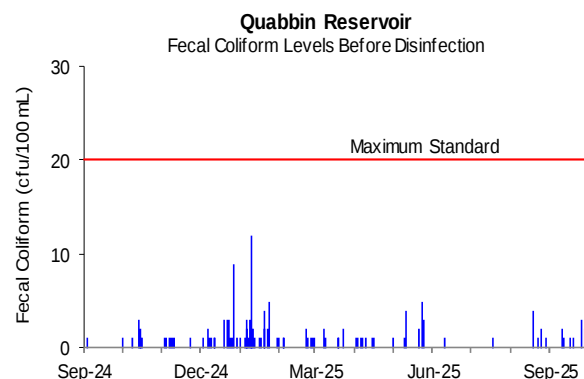
Source Water – Microbial Results

Total coliform bacteria are monitored in both source and treated water to provide an indication of overall bacteriological activity. Most coliforms are harmless. However, fecal coliforms, a subclass of the coliform group, are identified by their growth at temperatures comparable to those in the intestinal tract of mammals. They act as indicators of possible fecal contamination. The Surface Water Treatment Rule for unfiltered water supplies allows for no more than 10% of source water samples prior to disinfection over any six-month period to have more than 20 fecal coliforms per 100mL.

Sample Site: Quabbin Reservoir

Quabbin Reservoir water is sampled at the William A. Brutsch Water Treatment Facility raw water tap before being treated and entering the CVA system.

All samples collected during the quarter were below 20 cfu/100mL. **For the current six-month period, 0.0% of the samples have exceeded a count of 20 cfu/100mL.**

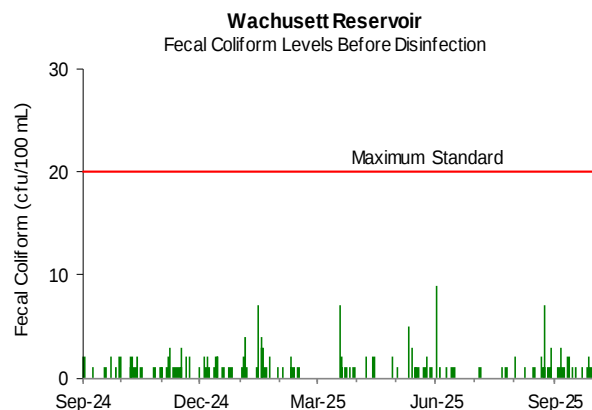


Sample Site: Wachusett Reservoir

Wachusett Reservoir water is sampled at the CWTP raw water tap in Marlborough before being treated and entering the MetroWest/Metropolitan Boston systems.

In the wintertime when smaller water bodies near Wachusett Reservoir freeze up, many waterfowl will roost in the main body of the reservoir - which freezes later. This increased bird activity tends to increase fecal coliform counts. DCR has an active bird harassment program to move the birds away from the intake area.

All samples collected during the quarter were below 20 cfu/100mL. **For the current six-month period, 0.0% of the samples exceeded a count of 20 cfu/100mL.**

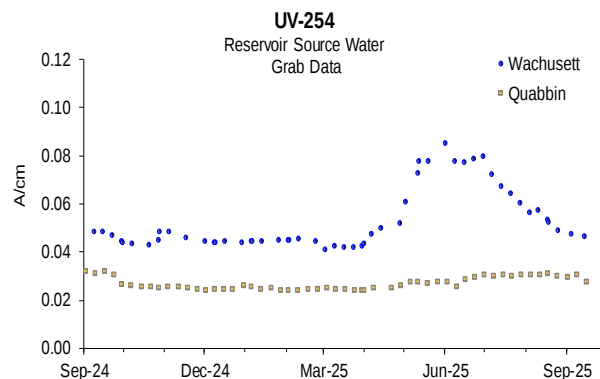


Source Water – UV Absorbance

UV Absorbance at 254nm wavelength (UV-254), is a measure of the amount and reactivity of natural organic material in source water. Higher UV-254 levels cause increased ozone and chlorine demand resulting in the need for higher ozone and chlorine doses, and can increase the level of disinfection by-products. UV-254 is impacted by tributary flows, water age, sunlight and other factors.

Quabbin Reservoir UV-254 levels averaged 0.030 A/cm for the quarter.

Wachusett Reservoir UV-254 levels averaged 0.060 A/cm for the quarter.



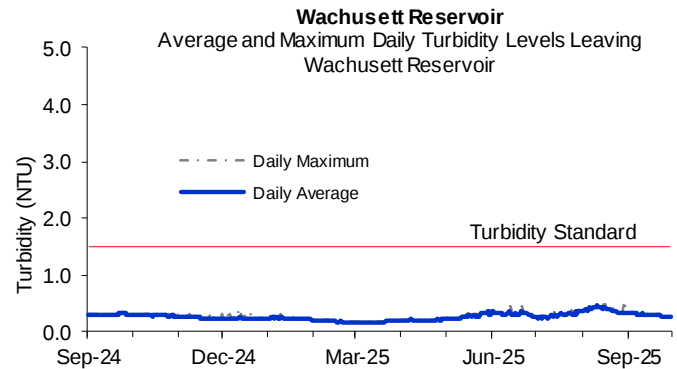
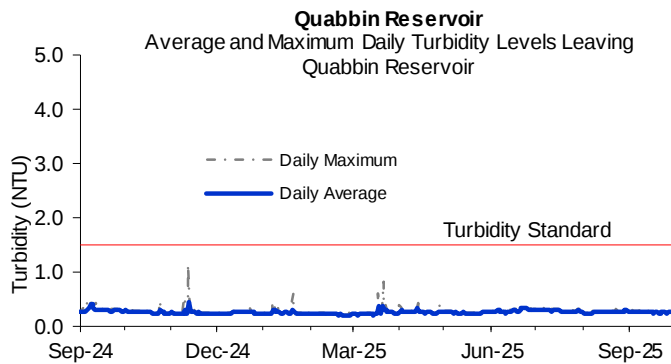
Source Water – Turbidity

1st Quarter – FY26

Turbidity is a measure of suspended and colloidal particles including clay, silt, organic and inorganic matter, algae and microorganisms. The effects of turbidity depend on the nature of the matter that causes the turbidity. High levels of particulate matter may have a higher disinfectant demand or may protect bacteria from disinfection effects, thereby interfering with the disinfectant residual throughout the distribution system.

There are two standards for turbidity: all water must be below five NTU (Nephelometric Turbidity Units), and water only can be above one NTU if it does not interfere with effective disinfection.

Turbidity of Quabbin Reservoir water is monitored continuously at the Brutsch Water Treatment Facility (BWTF) before UV and chlorine disinfection. Turbidity of Wachusett Reservoir is monitored continuously at the Carroll Water Treatment Plant (CWTP) before ozonation and UV disinfection. Maximum turbidity results at Quabbin and Wachusett were within DEP standards for the quarter.

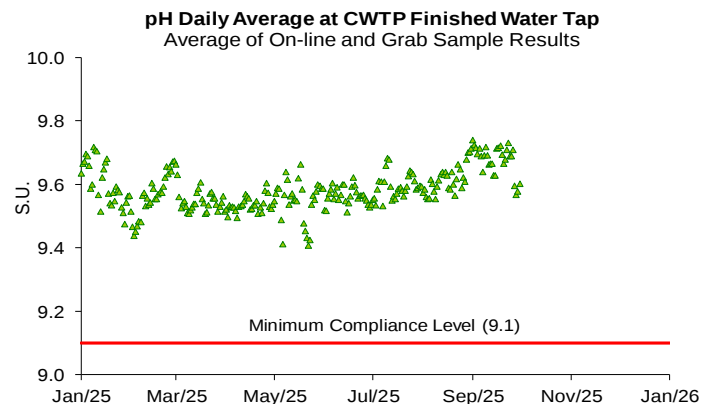
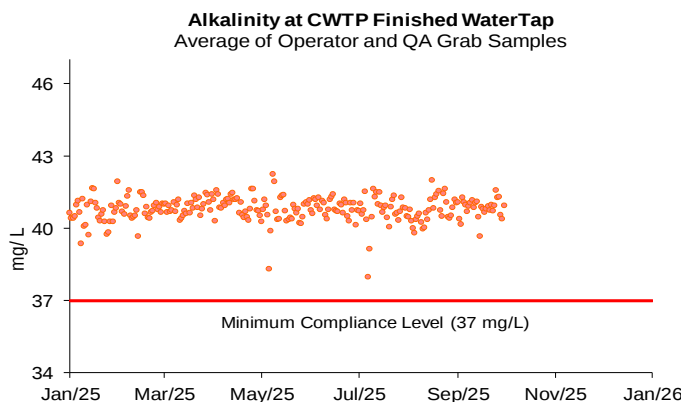


Treated Water – pH and Alkalinity Compliance

MWRA adjusts the alkalinity and pH of Wachusett water at CWTP to reduce its corrosivity, which minimizes the leaching of lead and copper from service lines and home plumbing systems into the water. MWRA tests finished water pH and alkalinity daily at the CWTP's Fin B sampling tap. MWRA's target for distribution system pH is 9.3; the target for alkalinity is 40 mg/l. Per DEP requirements, CWTP finished water samples have a minimum compliance level of 9.1 for pH and 37 mg/L for alkalinity. Samples from 27 distribution system locations have a minimum compliance level of 9.0 for pH and 37 mg/L for alkalinity. Results must not be below these levels for more than nine days in a six month period. Distribution system samples are collected in March, June, September, and December.

Each CVA community provides its own corrosion control treatment. See the CVA report:
<https://www.mwra.com/node/6548>.

Quarterly distribution system samples were collected over a two-week period in September. Distribution system sample pH ranged from 9.3 to 9.7 and alkalinity ranged from 39 to 42 mg/L. Over the past six months, no sample results were below the compliance levels.



Treated Water – Disinfection Effectiveness

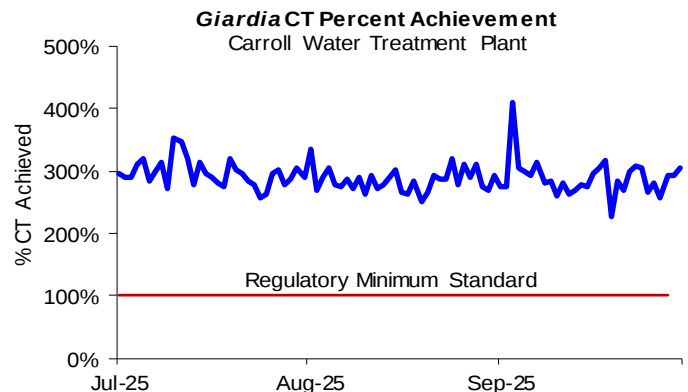
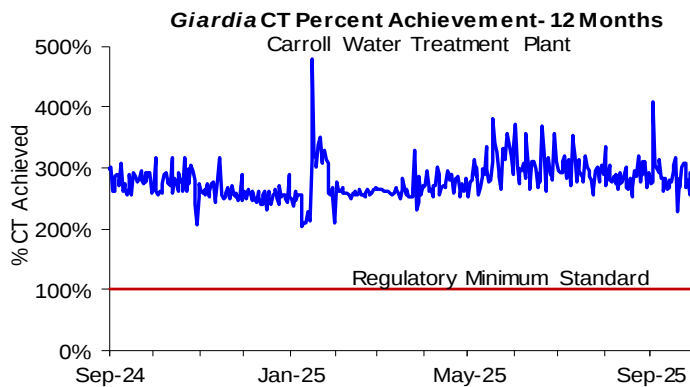
1st Quarter – FY26

At the Carroll Water Treatment Plant (CWTP), MWRA meets the required 99.9% (3-log) inactivation of *Giardia* using ozone (reported as CT: concentration of disinfectant x contact time) and the required 99% (2-log) inactivation of *Cryptosporidium* using UV (reported as IT: intensity of UV x time). MWRA calculates inactivation rates hourly and reports *Giardia* inactivation at maximum flow and *Cryptosporidium* inactivation at minimum UV dose. MWRA must meet 100% of required CT and IT.

CT achievement for *Giardia* assures CT achievement for viruses, which have a lower CT requirement. For *Cryptosporidium*, there is also an “off-spec” requirement. Off-spec water is water that has not reached the full required UV dose or if the UV reactor is operated outside its validated ranges. No more than 5% off-spec water is allowed in a month.

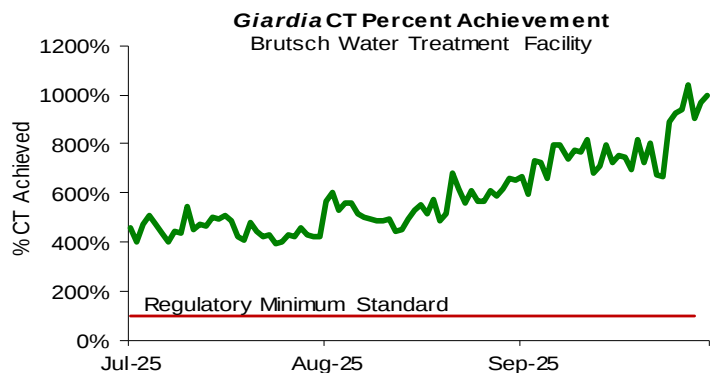
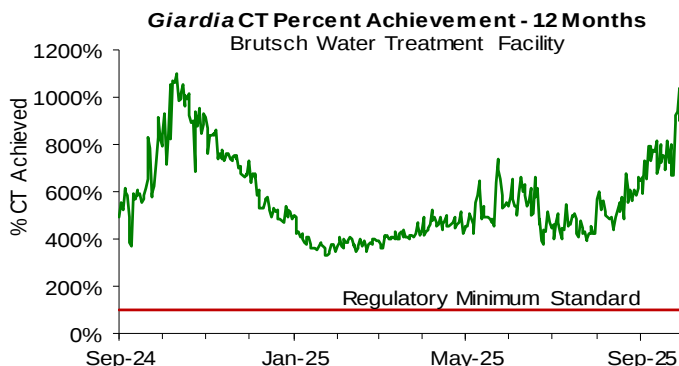
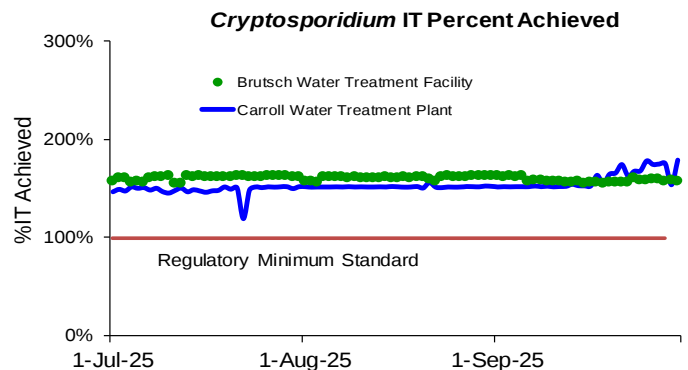
Wachusett Reservoir – MetroWest/Metro Boston Supply:

- The chlorine dose at the CWTP varied between 3.85 and 4.40 mg/L for the quarter.
- Ozone dose at the CWTP varied between 1.3 to 2.6 mg/L for the quarter.
- Giardia* CT was maintained above 100% at all times the plant was providing water into the distribution system this quarter, as well as every day for the last fiscal year.
- Cryptosporidium* IT was maintained above 100% for the quarter. Off-spec water was less than 5%.
- The CWTP SCADA Improvements project is progressing with the cutover of process equipment and data collection for the Train B ozone contactors. This can be seen in January 2025. The project is expected to continue into the spring of 2026.



Quabbin Reservoir (CVA Supply) at: Brutsch Water Treatment Facility

- The chlorine dose at BWTF is adjusted in order to achieve MWRA's seasonal target of 0.75 - 0.85 mg/L (November 1 – May 31) and 0.85 - 1.05 mg/L (June 1 – October 31) at Ludlow Monitoring Station.
- The chlorine dose at BWTF varied between 1.65 to 2.00 mg/L for the quarter.
- Giardia* CT was maintained above 100% at all times the plant was providing water into the distribution system for the quarter.
- Cryptosporidium* IT was maintained above 100% for the quarter. Off-spec water was less than 5%.



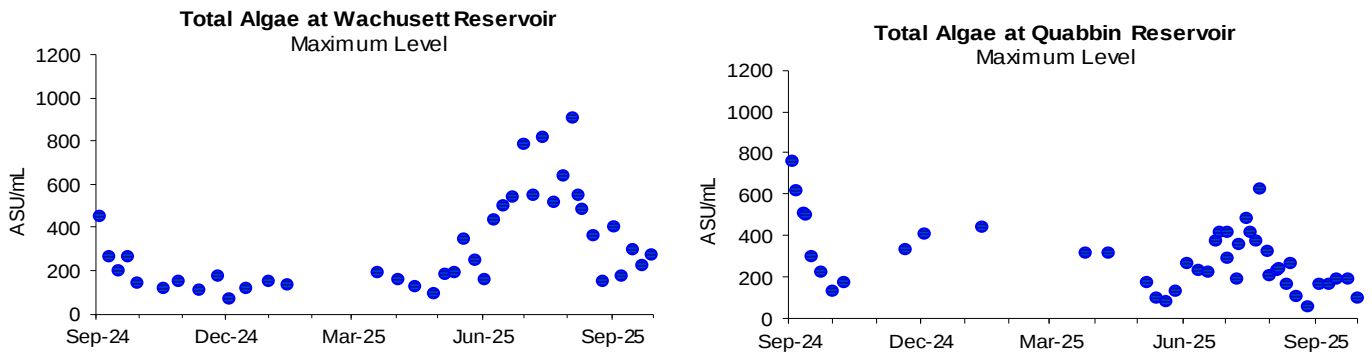
Source Water - Algae

1st Quarter – FY26

Algae levels in the Wachusett and Quabbin Reservoir are monitored by DCR and MWRA. These results, along with taste and odor complaints, are used to make decisions on source water treatment for algae control.

Taste and odor complaints at the tap may be due to algae, which originate in source reservoirs, typically in trace amounts. Occasionally, a particular species grows rapidly, increasing its concentration in water. When *Synura*, *Anabaena*, or other nuisance algae bloom, MWRA may treat the reservoirs with copper sulfate, an algaecide. During the winter and spring, diatom numbers may increase. While not a taste and odor concern, consumers that use filters may notice a more frequent need to change their filters.

In the 1st quarter, there were no complaints which may be related to algae reported from the local water departments. There have been no samples collected from January 14 until mid-March as significant ice cover on the reservoirs prevents safe algae sampling.



Drinking Water Quality Customer Complaints: Taste, Odor, or Appearance

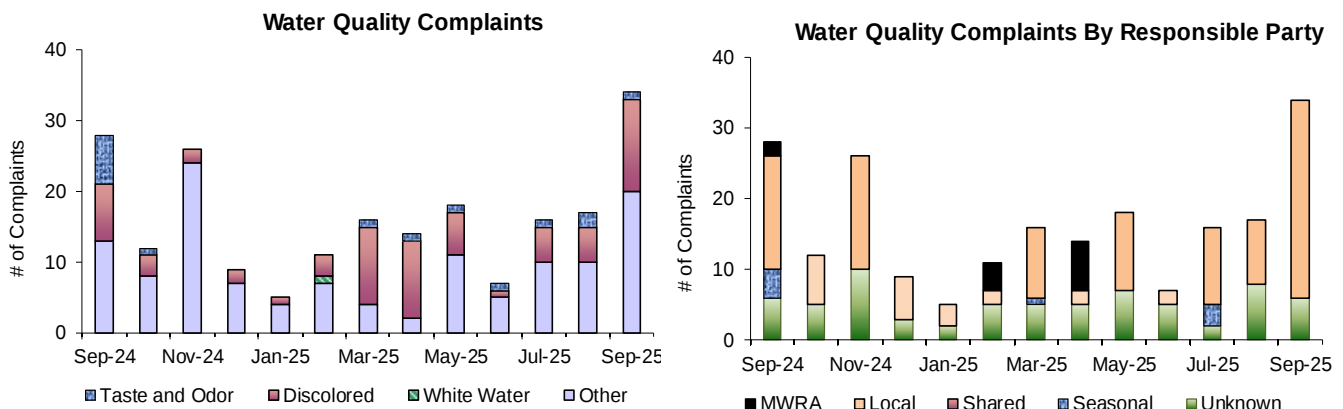
MWRA collects information on water quality complaints that typically fall into four categories: 1) discoloration due to MWRA or local pipeline work; 2) taste and odor due to algae blooms in reservoirs or chlorine in the water; 3) white water caused by changes in pressure or temperature that traps air bubbles in the water; or 4) "other" complaints is a broad category and can include conditions such as low pressure, no water, water main or service line disruptions without discoloration, clogged filters, or other issues.

MWRA routinely contacts communities to classify and tabulate water complaints from customers. This count, reflecting only telephone calls to towns, probably captures only a fraction of the total number of customer complaints. Field Operations staff have improved data collection and reporting by keeping track of more kinds of complaints, tracking complaints to street addresses and circulating results internally on a daily basis.

Communities reported 67 complaints during the quarter compared to 71 complaints from 1st Quarter of FY25. Of these complaints, 23 were for "discolored water", 4 were for "taste and odor", and 40 were for "other". Of these complaints, 48 were local community issues, 3 were seasonal in nature, and 16 were unknown in origin.

For the Quarter:

- Water main breaks resulted in no water (NW) and discolored water (DW) complaints from Arlington(NW4), Bedford(DW1), and Somerville(NW17, DW2).
- DPW resolved these complaints by flushing a hydrant: Somerville(specs in water), Southborough(clogged filter).
- Somerville reported 16DW and one low pressure (LP) complaint due to local community flushing, valve testing or flow testing.
- Boston(LP1) and Somerville(NW3) reported complaints which were residential related.
- Medford and Boston submitted samples to MWRA for testing.
- Chicopee(1, other) and Marblehead(LP2) reported complaints which resolved themselves after the investigations.



Bacteria & Chlorine Residual Results for Communities in MWRA Testing Program

1st Quarter – FY26

While all communities collect bacteria samples and chlorine residual data for the Total Coliform Rule (TCR), data from the 44 systems that use MWRA's Laboratory are reported below.

The MWRA TCR program has 144 sampling locations. These locations include sites along MWRA's transmission system, water storage tanks and pumping stations, as well as a subset of the community TCR locations.

Samples are tested for total coliform and *Escherichia coli* (*E.coli*). *E.coli* is a specific coliform species whose presence likely indicates potential contamination of fecal origin.

If *E.coli* are detected in a drinking water sample, this is considered evidence of a potential public health concern. Public notification is required if repeat tests confirm the presence of *E.coli* or total coliform.

Total coliform provide a general indication of the sanitary condition of a water supply. If total coliform are detected in more than 5% of samples in a month (or if more than one sample is positive when less than 40 samples are collected), the water system is required to investigate the possible source/cause with a Level 1 or 2 Assessment, and fix any identified problems.

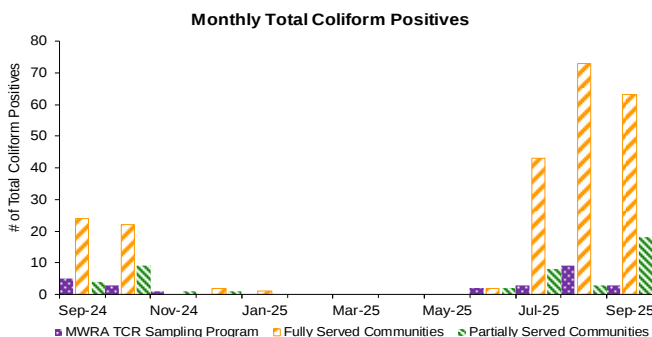
A disinfectant residual is intended to maintain the sanitary integrity of the water; MWRA considers a residual of 0.2 mg/L a minimum target level at all points in the distribution system.

Highlights

In the first quarter, two hundred and eight of the 6,841 fully and partially served samples (3.0%) tested positive for total coliform. Fifteen of the 1887 Shared Community/MWRA samples (0.8%) tested positive for total coliform. Fourteen of the 427 CVA/MWRA community samples (3.3%) tested positive for total coliform. These communities were required to perform a level assessment this quarter: Bedford, Canton, Hanscom AFB, Norwood, Quincy, South Hadley FD1, Wilbraham, Winthrop. Two routine samples from July, one collected at a Canton storage tank and the other at MWRA's Walnut Hill Storage tank, were present for *E.coli*. Repeat samples were absent for both total coliform and *E.coli*. No regulatory or public health impacts as a result of the single detects. 0.3% of the Fully Served community quarterly samples had chlorine residuals lower than 0.2 mg/L.

NOTES:

- MWRA total coliform and chlorine residual results include data from community locations. In most cases these community results are indicative of MWRA water as it enters the community system; however, some are strongly influenced by local pipe conditions. Residuals in the MWRA system are typically between 1.0 and 2.8 mg/L.
- The number of samples collected depends on the population served and the number of repeat samples required.
- These communities are partially supplied, and may mix their chlorinated supply with MWRA chloraminated supply.
- Part of the Chicopee Valley Aqueduct System. Free chlorine system.



		Total Coliform		E.coli	# Assessment
		# Samples (b)	# (%) Positive	Positive	Required
MWRA	a	MWRA Locations	406	4 (1.0%)	1
		Shared Community/MWRA sites	1481	11 (0.7%)	0
		Total: MWRA	1887	15 (0.8%)	1
Fully Served		ARLINGTON	172	1 (0.6%)	0
		BELMONT	104	0 (0%)	0
		BOSTON	798	1 (0.1%)	0
		BROOKLINE	257	1 (0.4%)	0
		CHELSEA	168	1 (0.6%)	0
		DEER ISLAND	52	0 (0%)	0
		EVERETT	169	0 (0%)	0
		FRAMINGHAM	273	0 (0%)	0
		LEXINGTON	149	1 (0.7%)	0
		LYNNFIELD	18	0 (0%)	0
		MALDEN	234	0 (0%)	0
		MARBLEHEAD	75	1 (1.3%)	0
		MARLBOROUGH	153	0 (0%)	0
		MEDFORD	243	3 (1.2%)	0
		MELROSE	117	0 (0%)	0
		MILTON	105	1 (1.0%)	0
		NAHANT	30	0 (0%)	0
		NEWTON	285	2 (0.7%)	0
		NORTHBOROUGH	48	0 (0%)	0
		NORWOOD	180	79 (43.9%)	0
		QUINCY	374	39 (10.4%)	0
		READING	154	0 (0%)	0
		REVERE	240	2 (0.8%)	0
		SAUGUS	112	0 (0%)	0
		SOMERVILLE	252	0 (0%)	0
		SOUTHBOROUGH	30	0 (0%)	0
		STONEHAM	94	1 (1.06%)	0
		SWAMPSCOTT	57	0 (0%)	0
		WALTHAM	216	0 (0%)	0
		WATERTOWN	143	0 (0%)	0
		WESTON	45	0 (0%)	0
		WINTHROP	120	46 (38.3%)	0
		Total: Fully Served	5467	179 (3.3%)	
Partially Served		BEDFORD	69	5 (7.2%)	0
		BURLINGTON	161	9 (5.6%)	0
		CANTON	134	8 (6.0%)	1
		HANSCOM AFB	39	3 (7.7%)	0
		NEEDHAM	123	0 (0%)	0
		PEABODY	231	0 (0%)	0
		WAKEFIELD	131	0 (0%)	0
		WELLESLEY	105	0 (0%)	0
		WILMINGTON	87	0 (0%)	0
		WINCHESTER	101	0 (0%)	0
		WOBURN	192	4 (2.1%)	0
		Total: Partially Served	1373	29 (2.1%)	
		Total: Fully and Partially Served	6840	208 (3.0%)	
CVA	d	MWRA CVA Locations	106	0 (0%)	0
		CHICOPEE	195	0 (0%)	0
		SOUTH HADLEY FD1	72	8 (11.1%)	0
		WILBRAHAM	54	3 (5.6%)	0
		Total: CVA	427	14 (3.3%)	

Chlorine Residuals in Fully Served Communities

	2024				2025								
	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
% <0.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.1	0.1
% <0.2	0.2	0.4	0.7	0.4	0.2	0.0	0.0	0.1	0.2	0.0	0.1	0.3	0.4
% <0.5	1.5	2.0	2.5	2.2	1.5	0.8	0.7	0.6	0.5	0.4	1.0	1.9	2.1
% <1.0	5.6	7.6	7.3	5.2	2.7	1.8	1.5	1.3	1.7	3.0	4.3	5.2	4.6
% ≥1.0	93.9	92.0	92.7	94.8	97.3	98.2	98.5	98.7	98.3	97.0	95.7	94.8	95.4

Treated Water Quality: Disinfection By-Product (DBP) Levels in Communities

1st Quarter – FY26

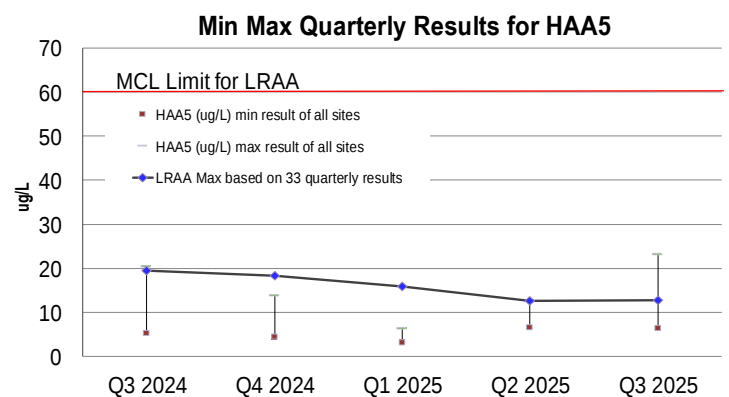
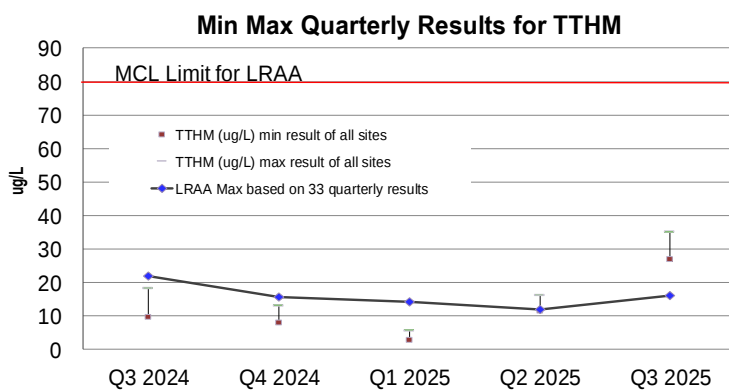
Total Trihalomethanes (TTHMs) and Haloacetic Acids (HAA5s) are by-products of disinfection treatment with chlorine. They are of concern due to their potential adverse health effects at high levels. EPA's locational running annual average (LRAA) standard, using the most recent four quarterly results, is 80 µg/L for TTHMs and 60 µg/L for HAA5s. The locational running annual average at each individual sampling location must be below the standard.

Bromate is tested monthly as required for water systems, like CWTP, that treat with ozone. EPA's RAA Maximum Contaminant Level (MCL) standard for bromate is 10 µg/L. The current RAA for Bromate at the CWTP finished water tap is 0.0 µg/L.

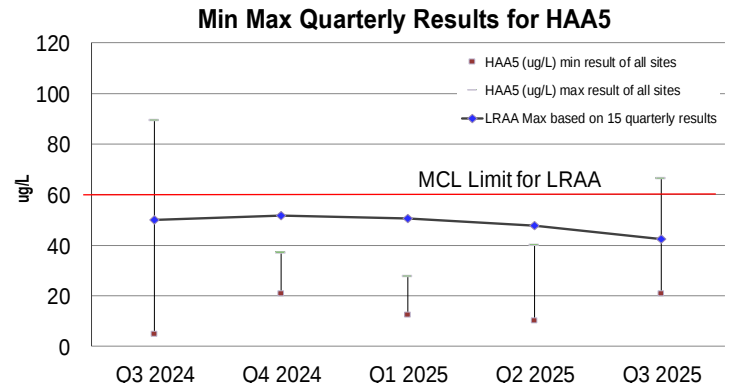
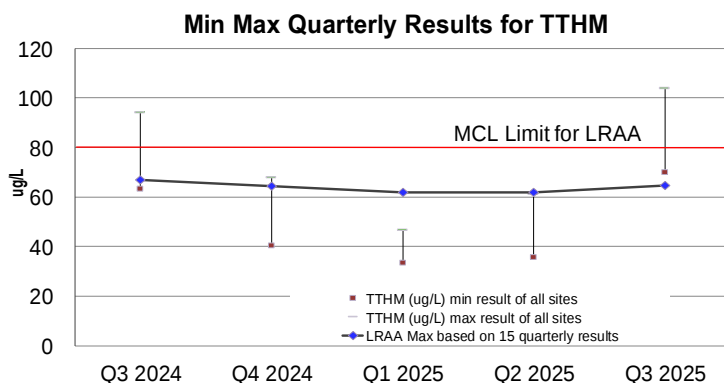
MWRA's TTHM and HAA5 sampling program includes sampling at 33 MetroWest and Metro Boston communities sites. Partially served and CVA communities are responsible for their own compliance monitoring and are regulated individually.

The LRAA for TTHMs and HAA5s for MWRA's Compliance Program (represented as the line in the top two graphs below) remains below current standards. The Max LRAA in the quarter for TTHMs = 16.0 µg/L; HAA5s = 12.8 µg/L. No LRAA exceedances or violations occurred this quarter for MetroBoston and for any of the CVA communities.

MetroBoston Disinfection By-Products



CVA Disinfection By-Products (Combined Results Chicopee, Wilbraham, & South Hadley FD1)



Water Supply and Source Water Management

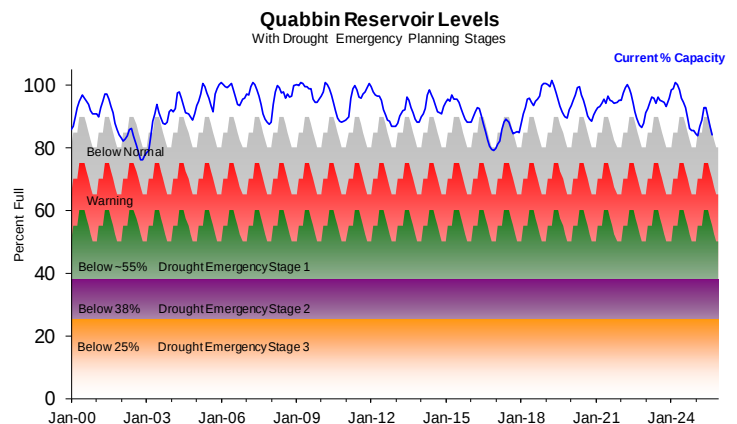
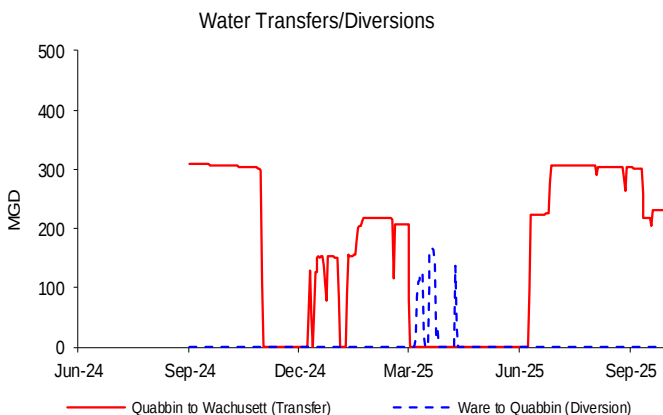
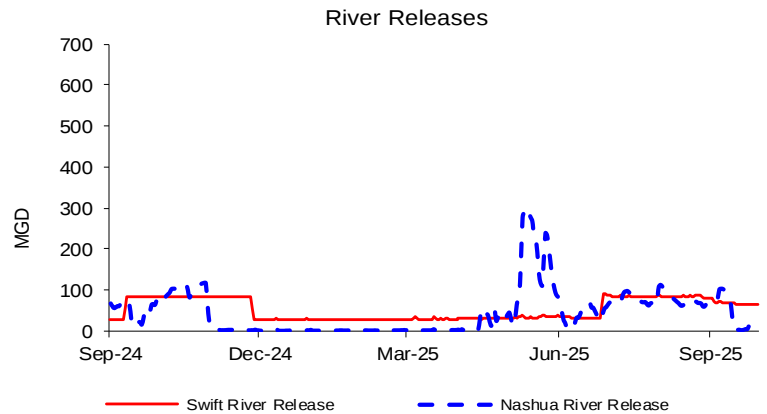
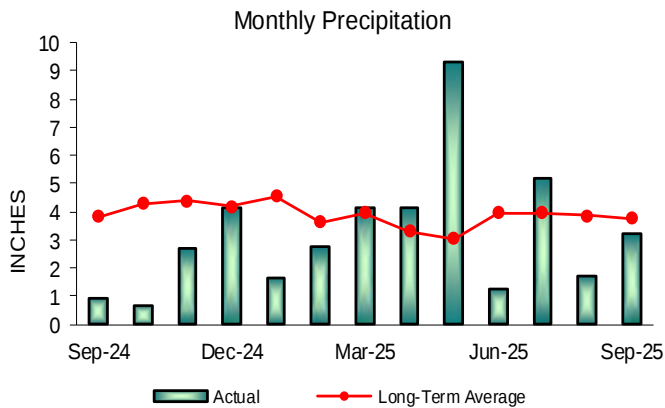
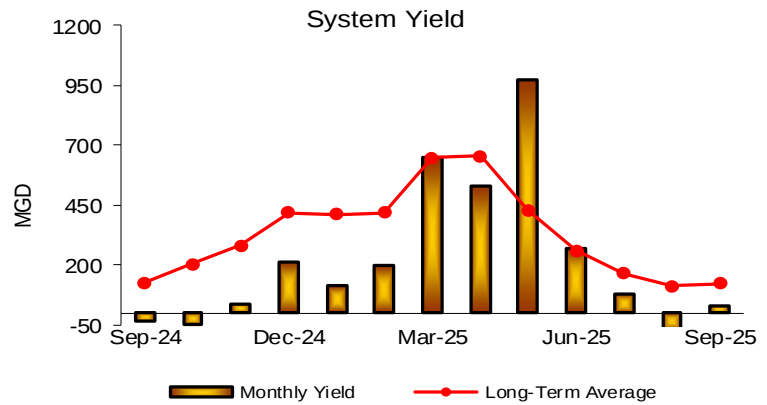
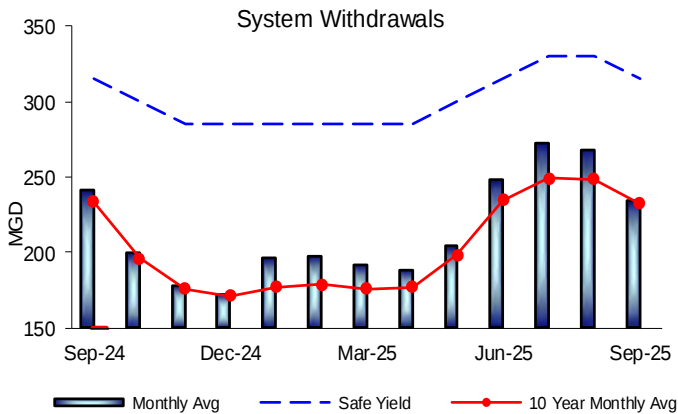
1st Quarter – FY26

Background

A reliable supply of water in MWRA's reservoirs depends on adequate precipitation during the year and seasonal hydrologic inputs from watersheds that surround the reservoirs. Demand for water typically increases with higher summer temperatures and then decreases as temperatures decline. Quabbin Reservoir was designed to effectively supply water to the service areas under a range of climatic conditions and has the ability to endure a range of fluctuations. Wachusett Reservoir serves as a terminal reservoir to meet the daily demands of the Greater Boston area. A key component to this reservoir's operation is the seasonal transfer of Quabbin Reservoir water to enhance water quality during high demand periods. On an annual basis, Quabbin Reservoir accounts for nearly 50% of the water supplied to Greater Boston. The water quality of both reservoirs (as well as the Ware River, which is also part of the System Safe Yield) depend upon implementation of DCR's DEP-approved Watershed Protection Plans. System Yield is defined as the water produced by its sources, and is reported as the net change in water available for water supply and operating requirements.

Outcome

The volume of the Quabbin Reservoir was at 84.3% as of September 30, 2025; a 8.7 % decrease for the quarter, which represents a decrease of more than 35.3 billion gallons of storage and a decrease in elevation of 4.71'. System withdrawal was above its long term quarterly average. Precipitation and Yield were below their long term quarterly averages. Quabbin is in normal operating range for this time of year.



WASTEWATER QUALITY

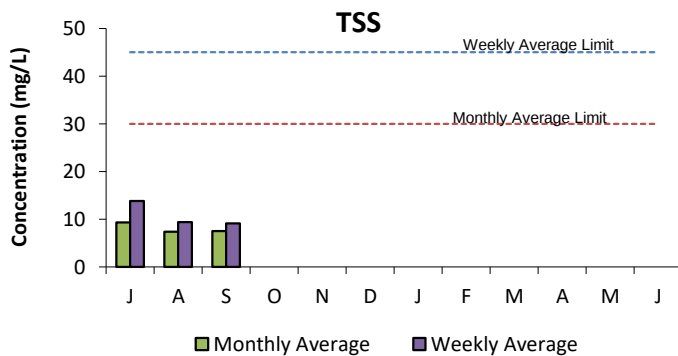
NPDES Permit Compliance: Deer Island Treatment Plant

1st Quarter - FY26

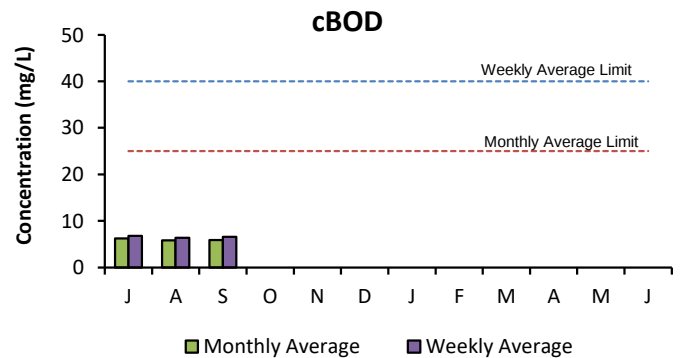
NPDES Permit Limits

Effluent Characteristics	Units	Limits	July	August	September	1st Quarter Violations	FY26 YTD Violations
Dry Day Flow (365 Day Average):	MGD	436	251.5	249.8	251.7	0	0
cBOD: Monthly Average	mg/L	25	6.2	5.8	5.9	0	0
Weekly Average	mg/L	40	6.8	6.4	6.6	0	0
TSS: Monthly Average	mg/L	30	9.3	7.4	7.5	0	0
Weekly Average	mg/L	45	13.8	9.4	9.1	0	0
TCR: Monthly Average	ug/L	456	0.0	0.0	0.0	0	0
Daily Maximum	ug/L	631	0.0	0.0	0.0	0	0
Fecal Coliform: Daily Geometric Mean	col/100mL	14000	55	27	14	0	0
Weekly Geometric Mean	col/100mL	14000	9	8	6	0	0
% of Samples >14000	%	10	0	0	0	0	0
Consecutive Samples >14000	#	3	0	0	0	0	0
pH:	SU	6.0-9.0	6.4-7.0	6.4-6.9	6.5-6.9	0	0
PCB, Aroclors: Monthly Average	ug/L	0.000045	UNDETECTED			0	0
Acute Toxicity: Inland Silverside	%	≥50	>100	>100	68.8	0	0
Mysid Shrimp	%	≥50	77.3	>100	66.1	0	0
Chronic Toxicity: Inland Silverside	%	≥1.5	25.0	50.0	50.0	0	0
Sea Urchin	%	≥1.5	>100	>100	77.2	0	0

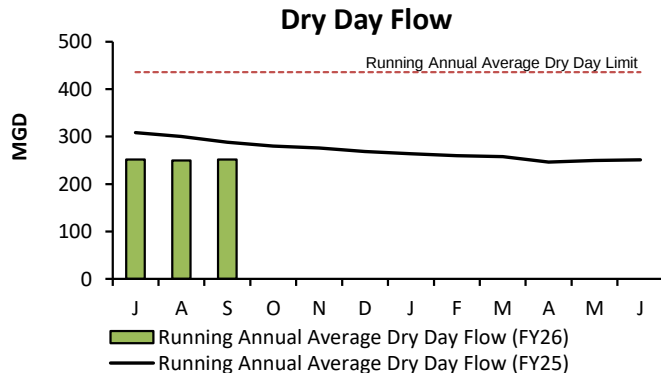
There have been no permit violations in FY26 to date at the Deer Island Treatment Plant (DITP).



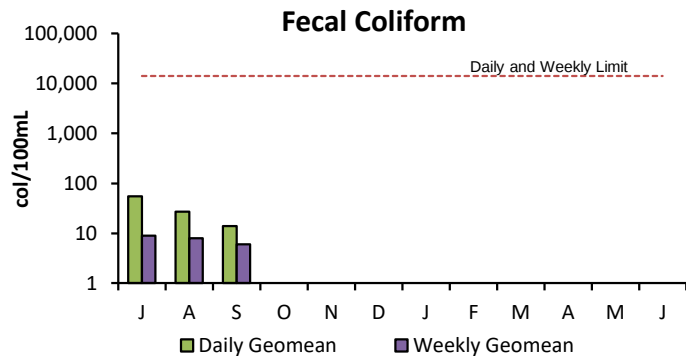
Total Suspended Solids (TSS) in the effluent is a measure of the amount of solids that remain suspended after treatment. All TSS measurements for the 1st Quarter were within permit limits.



Carbonaceous Biochemical Oxygen Demand (cBOD) is a measure of the amount of dissolved oxygen required for the decomposition of organic materials in the environment. All cBOD measurements for the 1st Quarter were within permit limits.



Running Annual Average Dry Day Flow is the average of all dry weather influent flows over the previous 365 days. The Dry Day Flow for the 1st Quarter was well below the permit limit of 436 MGD.



Fecal Coliform is an indicator for the possible presence of pathogens. The levels of these bacteria after disinfection show how effectively the plant is inactivating many forms of disease-causing microorganisms. In the 1st Quarter, all permit conditions for fecal coliform were met.

NPDES Permit Compliance: Clinton Wastewater Treatment Plant

1st Quarter - FY26

Effluent Characteristics		Units	Permit Limits	July	August	September	1st Quarter Violations	FY26 YTD Violations
Dissolved Oxygen	Daily Minimum	mg/L	≥6	8.4	8.6	8.3	0	0
BOD	Average Monthly	lb/day	500	<54.0	9.9	15.0	0	0
	Average Weekly	lb/day	500	<85.0	20.5	20.2	0	0
	Average Monthly	mg/L	20	<3.4	0.7	1.2	0	0
	Average Weekly	mg/L	20	<5.1	1.5	1.7	0	0
BOD removal	Average Monthly	%	≥85	98.2	99.6	99.4	0	0
pH Range	Monthly Minimum	S.U.	6.5	6.91	7.4	7.3	0	0
	Monthly Maximum	S.U.	8.3	7.69	7.8	7.7	0	0
TSS	Average Monthly	lb/day	500	33.0	18.1	<25.7	0	0
	Average Weekly	lb/day	500	40.0	56.3	<29.8	0	0
	Average Monthly	mg/L	20	2.1	1.2	<2.0	0	0
	Average Weekly	mg/L	20	2.4	3.8	<2.0	0	0
TSS Removal	Average Monthly	%	≥85	99.4	99.7	99.5	0	0
Ammonia Nitrogen June 1st - October 31st	Average Monthly	mg/L	2.0	0.02	<0.1	<0.1	0	0
	Maximum Daily	mg/L	3.0	0.04	<0.1	<0.1	0	0
Total Phosphorus April 1st - October 31st	Average Monthly	lb/day	3.8	1.1	0.8	1.1	0	0
		mg/L	0.15	0.07	0.05	0.09	0	0
Total Recoverable Copper	Average Monthly	µg/L	11.6	13.1	12.3	10.9	2	2
	Maximum Daily	µg/L	14.0	13.9	12.3	10.9	0	0
Rolling Average Effluent Flow	Average Monthly	MGD	3.01	2.18	2.16	2.15	0	0
Total Residual Chlorine	Average Monthly ¹	µg/L	17.6	<20.0	<20.0	0.4	0	0
	Maximum Daily	µg/L	30.4	<20.0	<20.0	4.0	0	0
<i>Escherichia coli</i>	Average Monthly ²	colonies/100mL	126	5.0	5.1	5.0	0	0
	Maximum Daily	colonies/100mL	409	7.0	7.1	5.0	0	0
Acute (LC ₅₀) ³	Maximum Daily	%	≥100	>100.0	N/A	N/A	0	0
Chronic (C-NOEC) ³	Maximum Daily	%	≥62.5	100.0	N/A	N/A	0	0

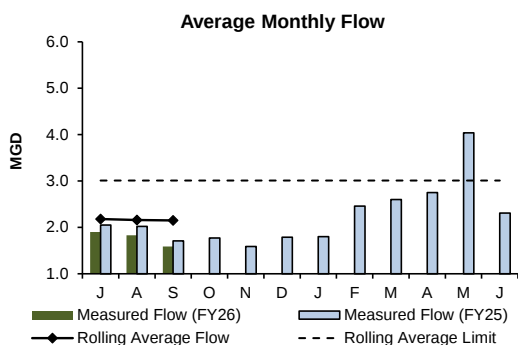
There have been two permit violations in FY26 at the Clinton Treatment Plant.

1st Quarter: There were two permit violations in the first quarter, both for average monthly total recoverable copper.

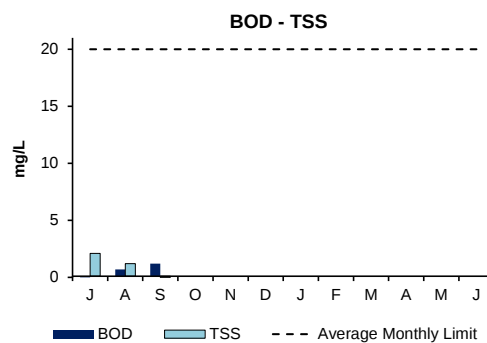
¹ 20 µg/L compliance level.

² Expressed as a geometric mean.

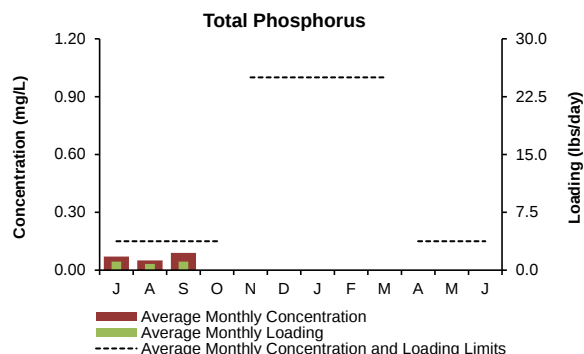
³ Toxicity testing is conducted on a quarterly basis.



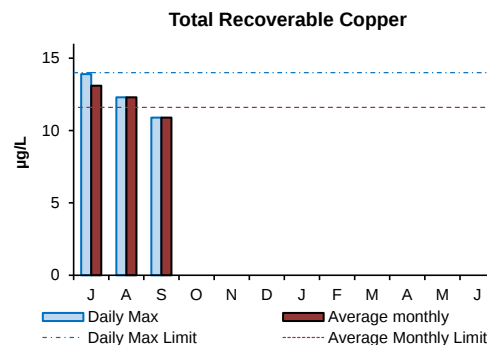
The graph depicts the rolling annual average monthly flow, measured in million gallons per day, exiting the plant. The 12-month rolling average flows during the 1st Quarter were below the permit limit.



Average monthly concentrations of BOD and TSS were below permit limits in the 1st Quarter. The permit monthly limit for both parameters is 20 mg/L.



Total phosphorus limits are most stringent during the growing season from April to October. The 1st Quarter's average monthly concentrations and loadings for total phosphorus were below permit limits.



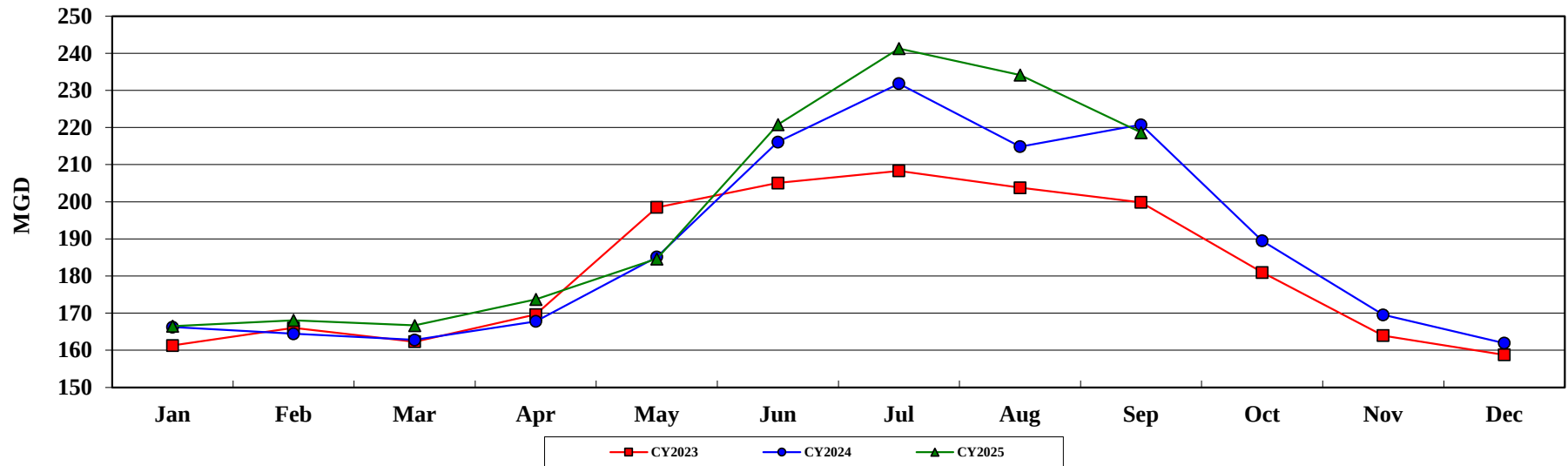
Daily maximum concentrations of total recoverable copper were below permit limits during the 1st Quarter while average monthly concentrations were above permit limits in July and August. Permit daily and monthly limits are 14.0 µg/L and 11.6 µg/L respectively.

COMMUNITY FLOWS AND PROGRAMS

Customer Water Use

1st Quarter - FY26

MWRA Water Supplied: All Revenue Customers



Water Use (million gallons per day)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Average	Annual Average
CY2023	161.272	165.989	162.292	169.594	198.499	205.042	208.304	203.762	199.844	180.948	163.937	158.736	186.227	181.612
CY2024	166.216	164.428	162.771	167.755	185.117	216.090	231.863	214.851	220.742	189.490	169.526	161.886	192.304	187.622
CY2025	166.464	168.077	166.664	173.719	184.616	220.793	241.266	234.140	218.636				197.393	1,738.330

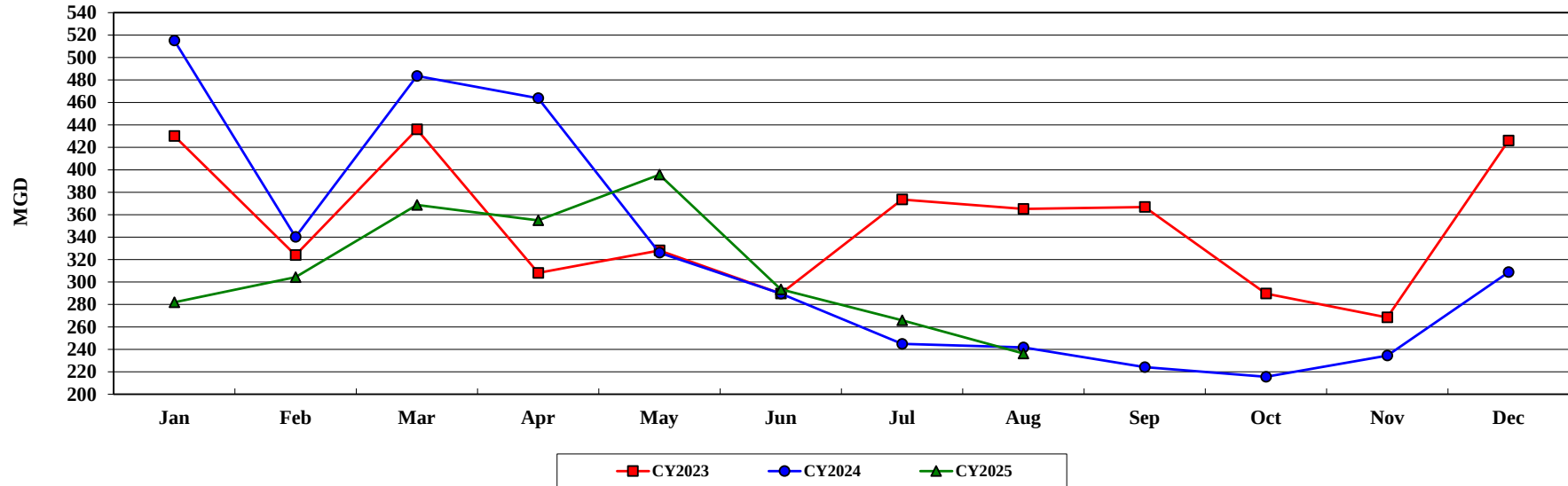
The September 2025 Community Water Use Report was recently distributed to communities and customers served by the MWRA's Metropolitan and Chicopee Valley waterworks systems. Each community's annual water use relative to the system as a whole is the primary factor in allocating the annual water rate revenue requirement to MWRA water communities. Calendar year 2025 water use will be used to allocate the FY2027 water utility rate revenue requirement.

MWRA customers used an average of 197.4 mgd in the 1st quarter (Jul-Sep 2025) of FY2026. This is an increase of 38.3 mgd or 19.8% compared to the 4th quarter of FY2025.

Community Sewer Flow

YTD - FY26

MWRA Metro-System Sewer Flow



Sewer Flow (million gallons per day)

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	YTD Average	Annual Average
CY2023	430.060	323.980	435.990	308.110	328.160	289.710	373.540	365.130	366.840	289.680	268.470	426.070	357.717	351.159
CY2024	515.140	340.120	483.590	463.770	326.090	289.640	244.870	241.730	224.160	215.540	234.450	308.770	363.196	324.130
CY2025	281.960	304.280	368.660	354.940	395.670	293.410	265.870	236.270					312.641	304.062

The 2025 8-Month Community Sewer Flow Report was recently distributed to the 43 communities served by the MWRA's Metropolitan sewer system. Each community's share of sewer flow relative to the system as a whole is used to allocate the annual sewer rate revenue requirement to MWRA sewer communities. The average of calendar year 2023-2025 sewer flow will be used to allocate the FY2027 sewer utility rate revenue requirement.

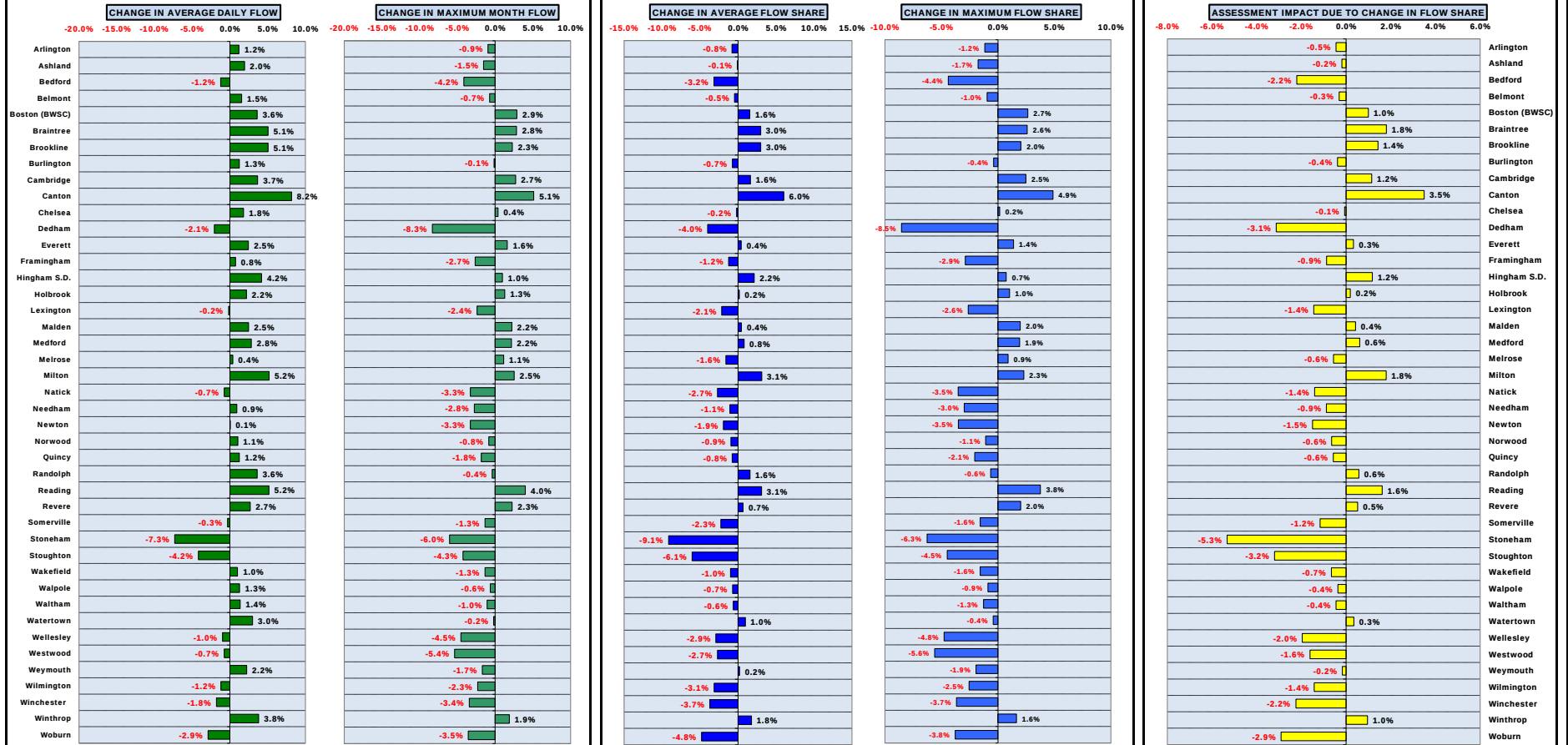
MWRA customer sewer flow averaged 312.6 mgd in the first eight months of CY2025. This is a decrease of 50.6 mgd or 13.9% compared to the first eight months of CY2025.

How CY2023-25 Community Wastewater Flows Could Effect FY2027 Sewer Assessments ^{1,2,3}

The flow components of FY2027 sewer assessments will be calculated using a 3-year average of CY2023 to CY2025 wastewater flows compared to FY2026 assessments that will use a 3-year average of CY2022 to CY2024 wastewater flows.

But as MWRA's sewer assessments are a ZERO-SUM calculation, a community's assessment is strongly influenced by the RELATIVE change in CY2023 to CY2025 flow share compared to CY2022 to CY2024 flow share, compared to all other communities in the system.

The chart below illustrates the change in the TOTAL BASE assessment due to FLOW SHARE CHANGES. ⁴



¹ MWRA uses a 3-year flow average to calculate sewer assessments. Three-year averaging smoothes the impact of year-to-year changes in community flow share, but does not eliminate the long-term impact of changes in each community's relative contribution to the total flow.

² Based on actual flows through August 2025.

³ Flow data is preliminary and subject to change pending additional MWRA and community review.

⁴ Represents ONLY the impact on the total BASE assessment resulting from the changes in average and maximum wastewater FLOW SHARES.

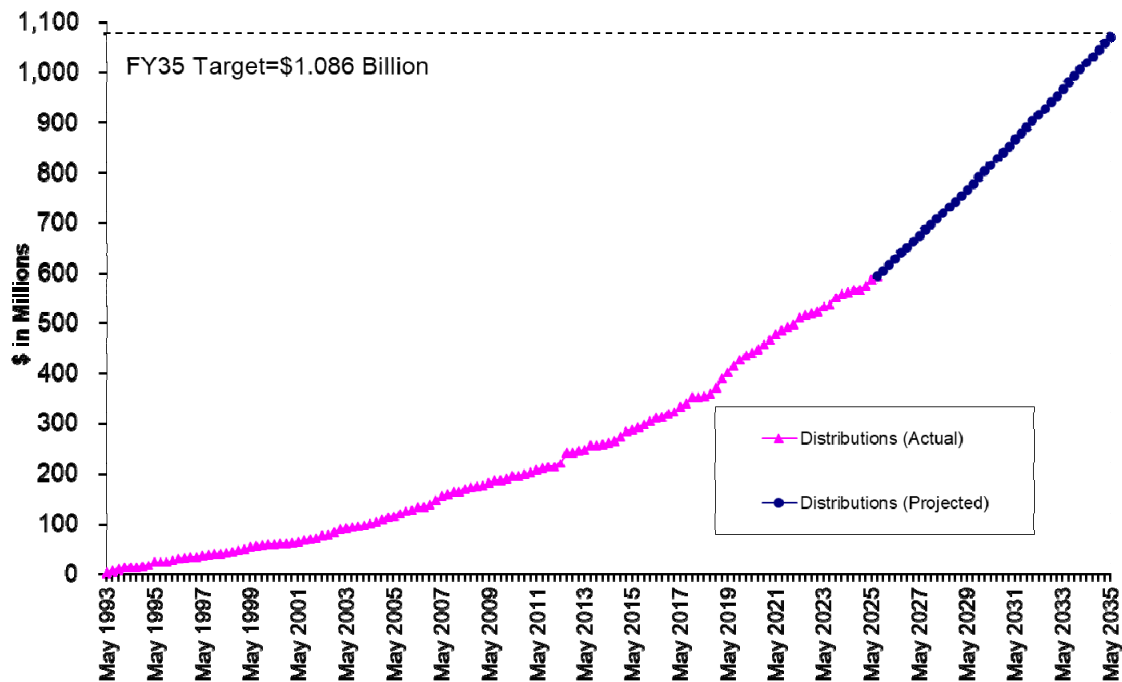
Community Support Programs

1st Quarter – FY26

Infiltration/Inflow Local Financial Assistance Program

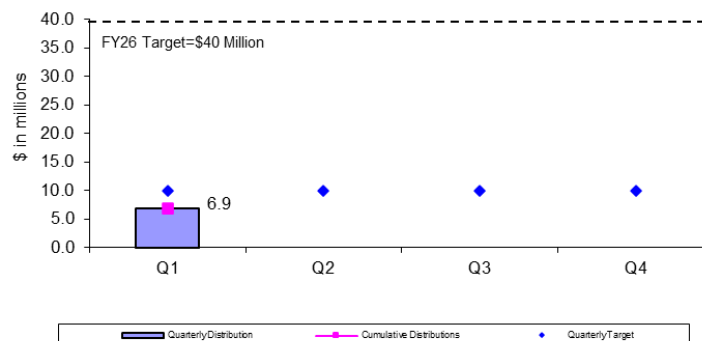
MWRA's Infiltration/Inflow (I/I) Local Financial Assistance Program provides \$1085.75 million in grants and interest-free loans (average of about \$22 million per year from FY93 through FY35) to member sewer communities to perform I/I reduction and sewer system rehabilitation projects within their locally-owned collection systems. Eligible project costs include: sewer rehabilitation construction, pipeline replacement, removal of public and private inflow sources, I/I reduction planning, engineering design, engineering services during construction, etc. I/I Local Financial Assistance Program funds are allocated to member sewer communities based on their percent share of MWRA's wholesale sewer charge. Phase 1-8 funds (total \$300.75 million) were distributed as 45% grants and 55% loans with interest-free loans repaid to MWRA over a five-year period. Phase 9 through 12 funds (total \$360 million) are distributed as 75% grants and 25% loans with interest-free loans repaid to MWRA over a ten-year period. Phase 13 funds of \$100 million are distribution as ten-year interest-free loan-only funds. Phase 14 funds (total \$100 million) are distributed as 75% grants and 25% loans with interest-free loans repaid to MWRA over a ten-year period. Phase 15 provides an additional \$100 million in ten-year interest-free loan-only funds. Phase 16 funds (total \$125 million) are distributed as 75% grants and 25% loans with interest-free loans repaid to MWRA over a ten-year period.

I/I Local Financial Assistance Program Distribution FY93-FY35



During the 1st Quarter of FY26, \$6.9 million in I/I Local Financial Assistance Program distributions were made to fund projects in Belmont, Newton and Stoneham. Total grant/loan distribution to date for FY26 is \$6.9 million. From FY93 through the 1st Quarter of FY26, all 43 member sewer communities have participated in the program and \$693 million has been distributed to fund 705 local I/I reduction and sewer system rehabilitation projects. Distribution of the remaining funds has been approved through FY35 and community loan repayments will be made through FY45. All scheduled community loan repayments have been made.

FY26 Quarterly Distributions of Sewer Grant/Loans



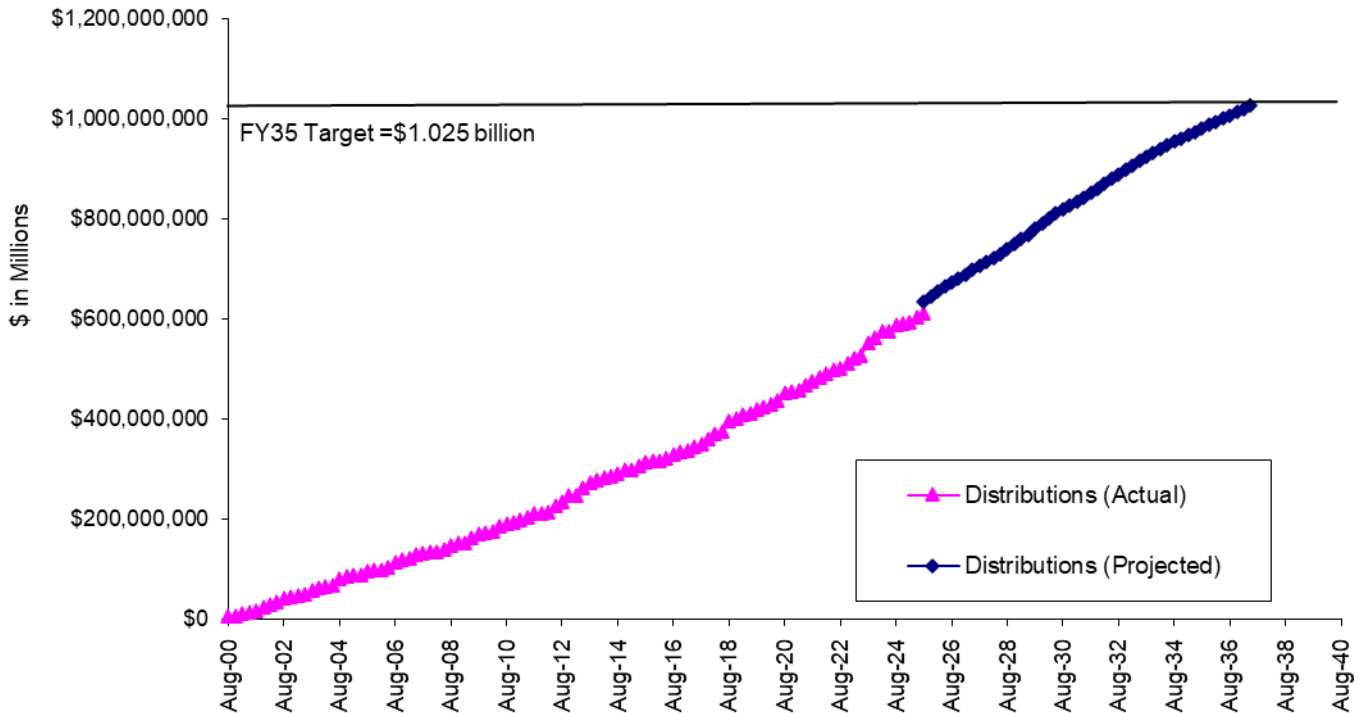
Community Support Programs

1st Quarter – FY26

Local Water System Assistance Program

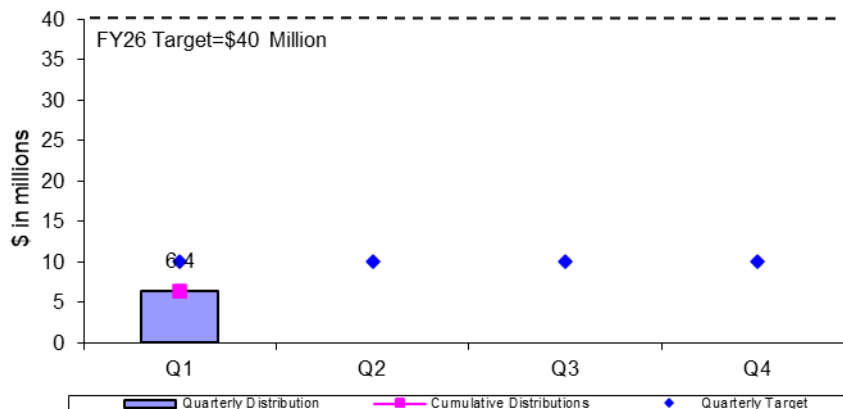
MWRA's Local Water System Assistance Programs (LWSAP) provides \$1.025 billion in interest-free loans (an average of about \$24 million per year from FY01 through FY35) to member water communities to perform water main rehabilitation projects within their locally-owned water distribution systems. There have been four (3) funding phases: Phase 1 at \$222 Million, Phase 2 at \$210 Million, and Phase 3 at \$293 Million. Eligible project costs include: water main cleaning/lining, replacement of unlined water mains, lead service replacements, valve, hydrant, water meter, tank work, engineering design, engineering services during construction, etc. MWRA partially-supplied communities receive pro-rated funding allocations based on their percentage use of MWRA water. Interest-free loans are repaid to MWRA over a ten-year period beginning one year after distribution of the funds. The Phase 1 water loan program concluded in FY13 with \$222 million in loan distributions. The Phase 2 - LWSAP concluded in FY25 with \$209 million in loan distributions. The Phase 3 LWSAP is authorized for distributions from FY18 through FY30. And the Phase 4 LWSAP is authorized for distributions from FY25 through FY35.

Local Water System Assistance Program Distribution FY01-FY35



During the 1st Quarter of FY26, \$6.4 million in interest-free loans was distributed to fund local water projects in Belmont, Lynnfield Water District, Norwood, Somerville, Swampscott and Stoughton. Total loan distribution to date for FY26 is \$6.4 million. From FY01 through the 1st Quarter of FY26, \$610 million has been distributed to fund 546 local water system rehabilitation projects in 45 MWRA member water communities. Distribution of the remaining funds has been approved through FY35 and community loan repayments will be made through FY45. All scheduled community loan repayments have been made.

FY26 Quarterly Distributions of Water Loans



Community Support Programs

1st Quarter – FY26

Lead Service Line Replacement Loan Program

By its vote on March 16, 2016, the Board approved an enhancement to the Local Water System Assistance Program to provide up to \$100 million in 10-year zero-interest loans to communities solely for efforts to fully replace lead service lines. On June 26, 2024, the Board approved an additional \$100 million, and authorized the inclusion a 25% grant for communities who commit to fully fund the replacement of the portion of lead service lines located on private property.

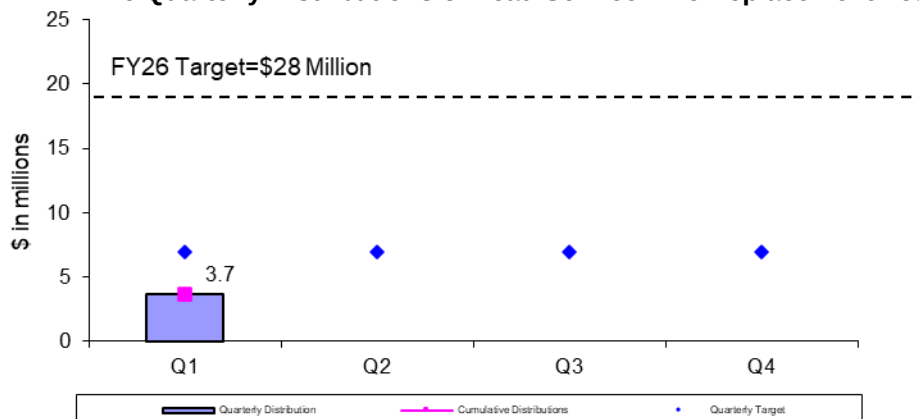
The Lead Service Line Replacement Loan Program is also referenced as the Lead Replacement Program or LRP. Each community can develop its own program, tailored to their local circumstances. MWRA's goal in providing financial assistance to member communities is to help communities remove lead from their water systems. MWRA's goal is for all lead service lines to be removed by 2032, meeting the requirements of the Lead and Copper Rule Improvements.

Distributed Lead Funds

Boston	\$3.5M
Brookline	\$2.0M
Chelsea	\$2.6M
Everett	\$7.0M
Lexington	\$3.9M
Malden	\$2.8M
Marblehead	\$0.3M
Marlborough	\$5.8M
Medford	\$8.0M
Melrose	\$1.0M
Milton	\$1.7M
Needham	\$1.0M
Newton	\$4.0M
Quincy	\$3.0M
Reading	\$1.5M
Revere	\$3.3M
Somerville	\$2.5M
Watertown	\$1.8M
Weston	\$0.2M
Winchester	\$3.4M
Winthrop	\$5.6M
Total	\$64.9M

During the 1st Quarter of FY26, \$3.7 million in Lead Replacement Program grants and loans were distributed to fund local water projects in Malden and Milton. Total loan distribution to date for FY26 is \$3.7 million. From FY17 through the 1st Quarter of FY26, \$64.9 million has been distributed to fund 62 lead replacement projects in 21 MWRA member water communities. Distribution of the remaining funds has been approved through FY33 and community loan repayments will be made through FY43. All scheduled community loan repayments have been made.

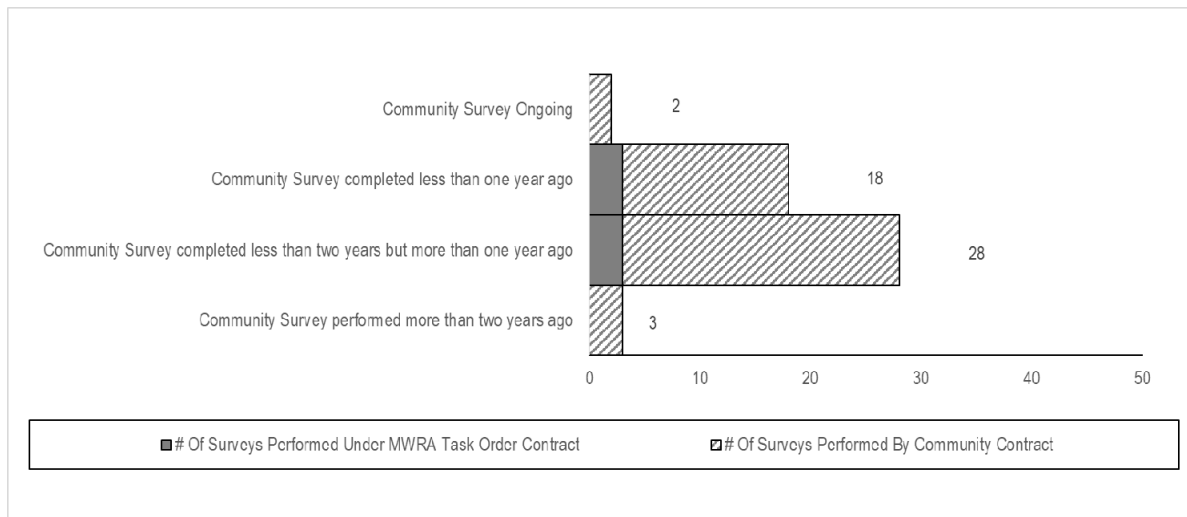
FY26 Quarterly Distributions of Lead Service Line Replacement Loans



Community Support Programs 1st Quarter – FY26

Community Water System Leak Detection

To ensure member water communities identify and repair leaks in locally-owned distribution systems, MWRA developed leak detection regulations that went into effect in July 1991. Communities purchasing water from MWRA are required to complete a leak detection survey of their entire distribution system at least once every two years. Communities can accomplish the survey using their own contractors or municipal crews, or alternatively, using MWRA's task order leak detection contract. MWRA's task order contract provides leak detection services at a reasonable cost that has been competitively procured (3-year, low-bid contract) taking advantage of the large volume of work anticipated throughout the regional system. Leak detection services performed under the task order contract are paid for by MWRA and the costs are billed to the community the following year. During the 1st Quarter of FY26, all member water communities were in compliance with MWRA's Leak Detection Regulation.



Community Water Conservation Outreach

MWRA's Community Water Conservation Program helps to maintain average water demand below the regional water system's safe yield of 300 mgd. Current 5-year average water demand is less than 200 mgd. The local Water Conservation Program includes distribution of water conservation education brochures (indoor - outdoor bill-stuffers) and low-flow water fixtures and related materials (shower heads, faucet aerators, and toilet leak detection dye tabs), all at no cost to member communities or individual customers. The Program's annual budget is \$25,000 for printing and purchase of materials. Annual distribution targets and totals are provided in the table below. Distributions of water conservation materials are made based on requests from member communities and individual customers.

	Annual Target	Q1	Q2	Q3	Q4	Annual Total
Educational Brochures	100,000	8,615				<u>8,615</u>
Low-Flow Fixtures (showerheads and faucet aerators)	10,000	4,731				<u>4,731</u>
Toilet Leak Detection Dye Tablets	-----	3,051				<u>3,051</u>

BUSINESS SERVICES

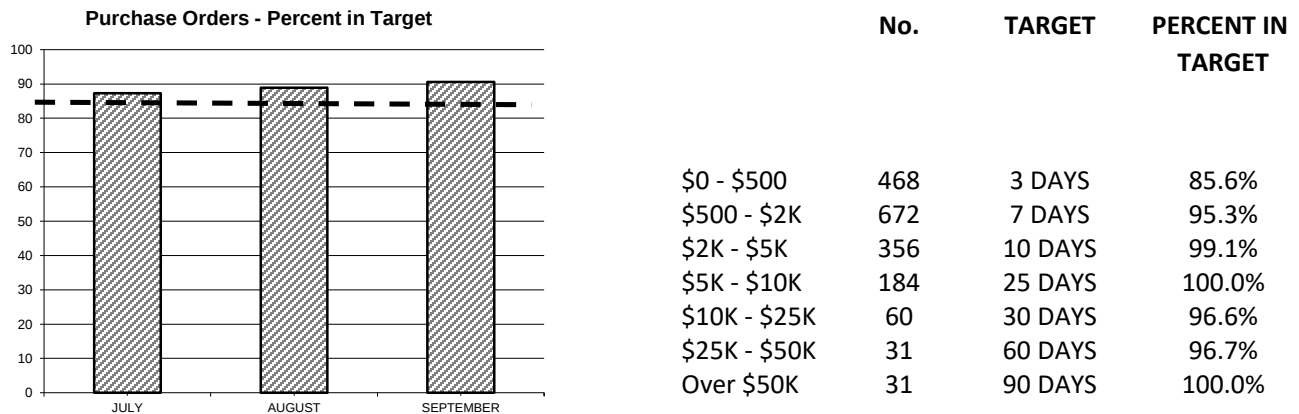
Procurement: Purchasing and Contracts

1st Quarter - FY26

Background: Goal is to process 85% of Purchase Orders and 80% of Contracts within Target timeframes.

Highlights: Processed 94% of purchase orders within target; Average Processing Time was 4.29 days vs. 4.21 days in Qtr 1 of FY25. Processed 66% (5 of 8) of contracts within target timeframes; Average Processing Time was 121 days vs. 129 days in Qtr 1 of FY25.

Purchasing



The Purchasing Unit processed 1802 purchase orders, 66 less than the 1,736 processed in Qtr 1 of FY25 for a total value of \$16,816,757 versus a dollar value of \$28,301,365 in Qtr 1 of FY25.

The purchase order processing target was met for all categories.

Contracts, Change Orders and Amendments

Procurement executed eight contracts with a value of \$3,971,875 and seven amendments with a value of \$2,343,169. Three contracts were not executed within the target timeframes. One contract was not executed within the target timeframe due to additional procurement requirements necessary for Insurance services. Insurance for all categories of coverage was obtained timely and according to schedule. Another contract was delayed due to delays obtaining proof of insurance coverage. The final contract was delayed due to the decision to add additional sites to the contract.

Staff reviewed 43 proposed change orders and 33 draft change orders.

Twenty six change orders were executed during the period. The dollar value of all non-credit change orders

Note: A credit change order is a change order that results in a decrease in contract value.

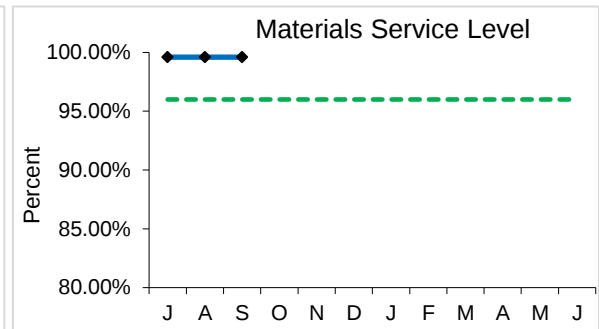
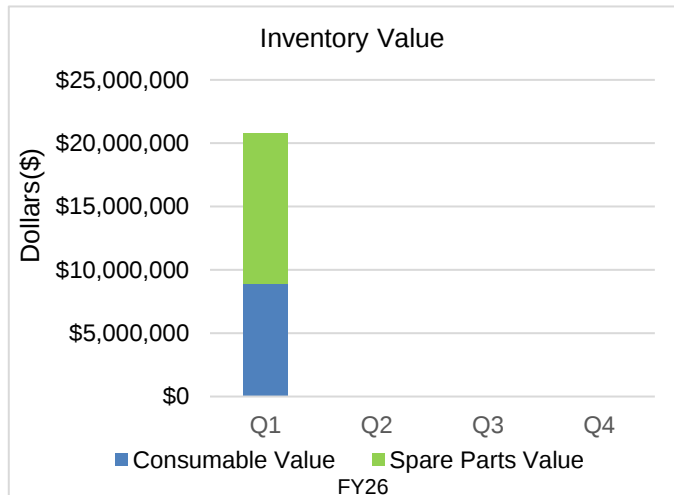
Materials Management

1st Quarter - FY26

The Materials Management department manages the three regional warehouses (Chelsea, Deer Island and Southboro). This includes the replenishment and receipt of both consumable and spare parts items to meet the needs of the MWRA. Additionally, MWRA tools and equipment are safeguarded through the Property Pass unit within the Materials Management department.

Inventory goals focus on:

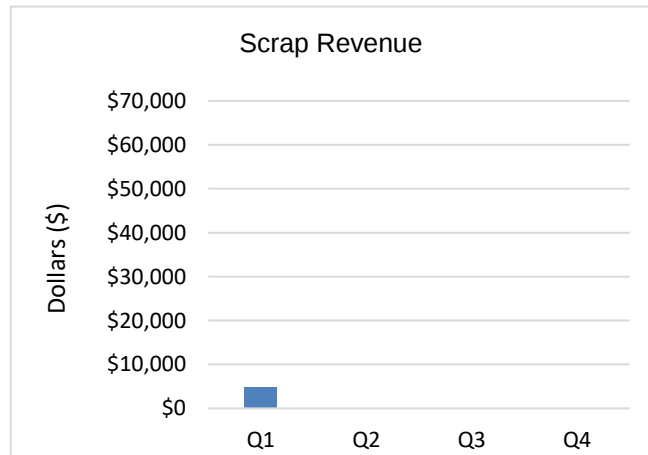
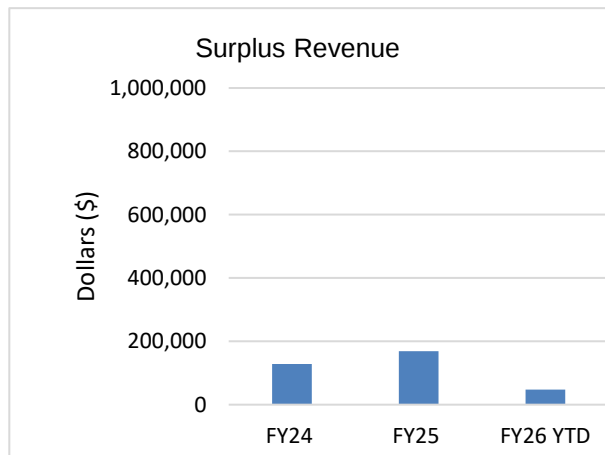
- Maintaining optimum levels of consumables inventory (office supplies, electrical, safety, etc.) and spare parts inventory (critical items such as actuators, motors, muffin monsters, etc.) necessary to support MWRA Operations and Maintenance. Typically spare parts carry longer lead times.
- Adding new items to inventory to meet changing business needs.
- Reviewing consumables and spare parts for obsolescence.
- Managing and controlling valuable equipment and tools via the Property Pass Program.



The service level is the percentage of stock requests filled. The goal is to maintain a service level of 96%. Staff issued 8,221 (99.6%) of the 8,258 items requested in Q1 from the inventory locations for a total dollar value of \$2,718,684.

Property Pass Program:

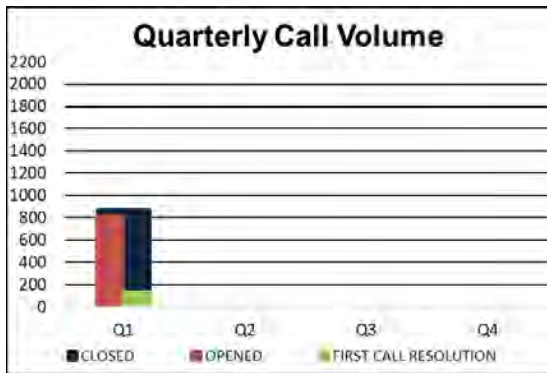
- Conducts audits of tools and equipment to ensure the safeguarding of MWRA assets.
- Manages the disposition and sale of surplus tools and equipment through GovDeals, an online auction site.
- Manages the surplusing of scrap metals and materials generating revenue to the MWRA staff.



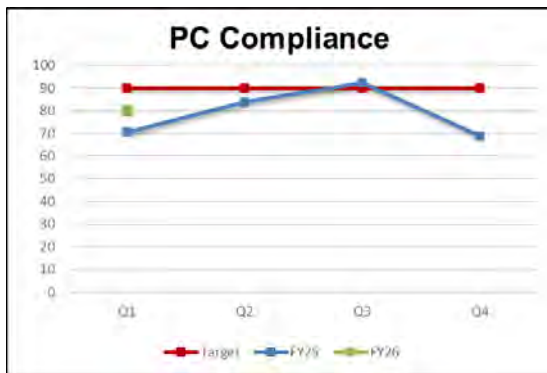
MIS Program

1st Quarter – FY26

Numbers & Statistics



Summary of calls managed by the Helpline.



Percentage of user endpoints that are in compliance with system updates. These numbers are a direct reflection of accessibility to these systems.

Project Updates

Infrastructure & Security

O365 Migration: 97% of all Windows devices have been upgraded to Windows. All user mailboxes and public folders have been migrated to Exchange Online. MIS continues to work with staff on shared mailbox migrations. The Tunnel departments SharePoint site was successfully migrated to MWRA tenant and staff are working on the decommission of the old site and hardware infrastructure. MS Teams integration with conference room equipment is being evaluated and the transition of MFA from Okta to MS Entra ID is underway. Testing continues for utilizing MS Team as complete Webex replacement for messaging, meetings and webinars.

VOIP: Outstanding DITP phone extensions have been migrated to VOIP. Decommissioning of old telephony system has been started.

Server/Database Version Upgrades: Staff continue to meet monthly to review and identify migration paths of infrastructure to maintain support.

Deer Island Edge Switch Upgrades: MIS staff are working with DITP Engineering on the scope of work to replace the fiber cabling between these building and the Admin/Lab building. Anticipated 90% design documents in September.

Wired Network Access Controls: Reconfiguration of network printers is being done in preparation for implementation.

Distributed Antenna System: Expansion of the distributed antenna system on DITP is in progress along with the new system installations in Southborough, Carroll Water Treatment Plant, and the Chestnut Hill pump station.

Library, Record Center, & Training

Library: Completed 15 research requests and provided access to 9 new books and 3 new standards upon request. The MWRA Library Portal supported 1,287 searches on topics including historical reports, benefits of open space, Somerville Marginal CSO Facility operation and maintenance manuals, and odor control.

Record Center (RC): Added 24 new boxes and handled 113 total boxes. The RC scrubbed 819 records in the ECM database linking to boxes and land plan drawings to help maintain accurate data. The RC disposed of 448 boxes with permission from the RCB. The record manager attended 3 virtual RCB meetings. The RC performed database/physical box searches for various departments. Research included: Engineering documents, staff summaries, Law requests, public record requests, CSO records, various construction contracts.

MIS Training: In Q1, 20 online IT lessons were taken (20 YTD), by 34 employees (34 YTD).

Applications

Infor Upgrade/Migration: MIS staff continued work on ERP and Custom Development tasks, including analysis, development, and testing. RICE components (Reports, Integrations, Customizations, Extensions) are mostly completed. Unit Testing and Systems Integration Testing are done. APIs for Maximo Asset Management integration are developed; 18 of 19 integrations have passed unit testing. User Acceptance Testing (UAT) is underway. PIMS-TRAC invoices and GIC interfaces have been successfully tested. Data validation for HCM and FSM is nearly complete. Oracle EPM integrations are finalized. Lawson historical data has been archived in the CloudSuite data lake.

dataParc (PI ProcessBook Upgrade): Operations selected dataParc to replace the obsolete ProcessBook application and the implementation project was completed in August. ProcessBook displays have been migrated to dataParc displays and training has been provided to the end users and application administrators.

LIMS: MIS staff collaborated with Labware (LIMS vendor) and DLS to conduct an upgrade assessment and scoping study for the LIMS application. A meeting was held to review the assessment report and plan a Proof-of-Concept (POC) to evaluate Water and Contract Lab templates against DLS requirements. MIS and DLS prepared and sent a checklist of POC items to the vendor. The POC is scheduled to begin in either Q4 or Q1 and will guide the upgrade path. MIS updated the PIMS-LIMS sample login database view to enforce uppercase formatting for SAMPLE.SPEC_TYPE values, preventing transaction errors.

Budgeting: The Budget Department is replacing the legacy Hyperion system with Oracle's cloud-based Enterprise Performance Management (EPM) application. Design, build, and unit testing phases are complete. End users are currently wrapping up User Acceptance Testing (UAT). Project completion is targeted for early October.

Maximo and Maximo-Lawson Interfaces: MIS staff has completed the development of nineteen (19) Maximo-CloudSuite application programming interfaces (API). The interfaces manage the transactions between CloudSuite and Maximo. Unit testing has completed for 18 interfaces and user acceptance testing is now underway.

Legal Matters

1st Quarter - FY26

PROJECT ASSISTANCE

Real Estate, Contract, Energy, Environmental, and Other Support:

- **8(m) Permits and License Agreements:** Reviewed one hundred and seventeen (117) 8(m) permits, including any related MEPA Section 61 Findings and revised direct connect permit template. Updated template for revocable wireless permit agreement. Drafted: a one-day license for DITP; amendment to State Police license for installed equipment at DITP; and a license for drone equipment at DITP concerning a pilot program for the Massachusetts Port Authority.
- **Real Property:** Finalized Wachusett Watershed WPR Acquisition W-001262 (Bigelow), Quabbin Watershed Preservation Restriction Acquisition W-001264 (Carmody), and Quabbin Watershed Fee Acquisition W-001263 package (Breezeway Farm Realty Trust). Researched land records concerning proposed fee acquisition for W-001275 for property located in New Salem/Quabbin. Finalized 16 notices of offer (including acceptances of offer and grants of easements) for the acquisition of temporary easements needed for Contract 7216, Interceptor Renewal No. 7 Malden-Melrose (Sections 41/42/49/54/65). Finalized 9 notices of offer (including acceptances of offer and grants of easements) for MWRA Contract 6224/6225 - Siphon and Junction Structure Rehabilitation Project. Drafted notice of offer related to grant of permanent easement from property owner of 396-400 Lexington Street in Waltham, MA needed for MWRA Contract No. 7457 – Section 101 Pipeline Extension Waltham. Reviewed property rights in Natick and Wayland related to the location of Natick's and Wayland's proposed respective permanent water pump stations. Provided updated property review for Saugus River Crossing Section 56 Replacement Project concerning Lynn Harbor Park land; reviewed conveyance deed from Lynn Harbor Park, LLC to the City of Lynn. Reviewed property interests for MWRA's Ward Street Headworks in Boston and related Letter of Intent with Wentworth Institute of Technology. Reviewed property acquisition, legislation and order of taking for Hultman Aqueduct land and applicability of Article 97. Reviewed property records and drafted legislation for acquisition of property interests in furtherance of MWTP. Reviewed Weston aqueduct property rights adjacent to 190 Stonebridge Road in Wayland and drafted letter to owner of 190 Stonebridge Road property. Drafted letter related to United States Shipbuilding Museum.
- **Environmental:** Provided ongoing assistance to Tunnel Program, Real Property, and Environmental staff regarding Phase I Environmental Site Assessment for anticipated real property acquisitions for the Tunnel Program. Prepared draft water supply continuation agreement for the Lynnfield Center Water District. Reviewed proposed Massachusetts legislation H.1031/S.608 - *An Act relative to Combined Sewer Overflows*. Assisted with final preparation of water supply agreement for the Lynnfield Center Water District. Prepared preliminary Draft Memorandum of Agreement between MWRA and a member community regarding water supply.
- **Energy:** Provided ongoing assistance to the energy team with review of contract terms and conditions for potential solar canopy/rooftop installation on Deer Island. Reviewed DPU approval of Harbor Electric Energy 2024 Capacity and Support Charge True-up for Deer Island Cross Harbor Cable (DPU No. 25-67).
- **Miscellaneous:** Drafted case briefs for certain US Supreme Court cases. Finalized presentation materials for acquisition of property interests in furtherance of MWTP. Revised and verified property ownership, certificates of insurance, and finalized boring work notice letters and access agreement for the MWTP. Reviewed disposition of property interest concerning land acquired for water distribution and applicability of Article 97. Reviewed documents for submission to Records Conservation Board for disposition. Researched, reviewed and prepared chart of various states' open meeting laws. Updated and finalized MIS departmental records management exit procedures and standard operating procedures for paper records and electronic records and assisted Records Manager with finalizing presentation materials for staff training. Reviewed contract terms and drafted correspondence for various construction matters. Finalized award of title examination and attorney title certification procurement and drafted letter of engagement. Completed research and finalized terms for certain procurement documents. Finalized SOP for documenting MWRA's

internal delegated authority approval process for acquisition and disposition of real estate matters. Drafted internal memorandum with recommendation to advance securing property interests to support construction needs for Interceptor Renewal No. 7 Malden-Melrose. Reviewed letter of intent, verified property rights, and assisted E&C staff with identifying property interests needed to support construction activities for Ward Street Headworks project.

- **Public Records Requests:** During the 1st Quarter FY 2026, MWRA received and responded to One Hundred Forty-Eight (148) public records requests.

LITIGATION/TRAC APPEALS

New Lawsuits

- In re: Desktop Metal, Inc., et al.; USBK S. District of Texas/Houston Div. Case No. 25-90268 (CML). In August 2025, the Authority received a Notice of Debtors' Emergency Motion for Entry of an Order Authorizing & Approving Private Sale of Assets in this matter
- Discover Card Merchant Settlement Class Action; In September 2025. Law Division received notice of class action from the Administrator of the Discover Card class action. The Finance department is checking with the credit card processor to confirm whether MWRA has a claim. The claim filing deadline is May 2026.
- Trina Brasili v. The Newark Group, Inc. et al.; Worcester Superior Court C.A. No. 2585CV00370. In March, 2025 the plaintiff brought claims of negligence, ultrahazardous activity/strict liability, willful and wanton conduct, and breach of warranty for failure to warn alleging, among other things, that her land and water have been contaminated with PFAS that migrated through runoff and groundwater, that she ingested and was otherwise exposed to water and soil contaminated with PFAS, and that she has suffered personal injuries as a result of such exposure. The plaintiff alleges and seeks damages for, among other things, bodily injuries, diminution in earning capacity, pain and suffering, emotional distress, economic loss and medical expenses. The defendants include, among others, the claimants in the Chapter 21E Notice received by the Authority in July 2023. In September, 2025 such claimants and another defendant filed a motion for leave to join the Authority and others in the action, or in the alternative to file third party complaints against the Authority and others, to assert claims of contribution and/or indemnity for the plaintiff's alleged damages, as well as claims of contribution and reimbursement for costs of any response action taken pursuant to Chapter 21E. The Court rejected the motion for failure of the moving parties to comply with the applicable rule of civil procedure. The moving parties are allowed to re-file their motion.

New Claims:

- MWRA Contract No. 7348/Quinapoxet Dam Removal Project: The Authority received a demand letter from a law firm representing Lucianos Excavation, Inc. with respect to a dispute concerning the Quinapoxet Dam removal project, MWRA Contract number 7348. The contractor alleges it is entitled to payment of 74,788.56 plus treble damages and attorneys' fees.
- Charles Allen, MVA: The Authority received a demand letter from a law firm representing Charles Allen, an employee of a subcontractor on an MWRA project, demanding compensation for injuries allegedly sustained in an accident at the Deer Island Treatment Plant.

Significant Developments:

- Barletta Heavy Division, Inc. ("BHD") v. MWRA; Suffolk Superior Court C.A. No. 2484CV02185-BLS2. After an August 6 2025 Status Conference, a further Status Conference is scheduled for December 11, 2025.
- Walsh Construction Co. (f/k/a Perry Fiberglass Products, Inc.) v. MWRA; Suffolk Superior Court C.A. No. 2484CV02841-BLS2. This matter was accepted into the Business Litigation Section on August 18, 2025.

- MWRA v. Baldwin Energy, LLC & Hanover Insurance Co; Suffolk Superior Court C.A. No. 2484CV01019-BLS2. After a Status Conference held on July 23, 2025, the court scheduled a Final Pre-Trial Conference for December 3, 2025.
- Unified Contracting, Inc. v. MWRA; Suffolk Super Court C.A. No. 2384CV00927-BLS2. The parties participated in a settlement meeting and arrived at an agreement in principle to settle the matter, pending finalization of settlement documents.

Closed Lawsuits:

- In re: Desktop Metal, Inc., et al.; USBK S. District of Texas/Houston Div. Case No. 25-90268 (CML). MWRA does not have a claim for past due amounts in the Desktop Metal bankruptcy case.

Closed Claims:

- There are no closed claims in 1st Quarter FY 2026.

Subpoenas:

- During 1st Quarter FY 2026, no subpoenas closed, one subpoena was re-issued. There are two pending subpoenas.

TRAC/MISC. ADMIN. APPEALS

Appeals Pending:

- There is one pending TRAC appeal:

Tri-Town Regional Water District; MWRA Docket No.23-03

SUMMARY OF PENDING LITIGATION MATTERS

TYPE OF CASE/MATTER	As of Sept 2025
Construction/Contract/Bid Protest	4
Tort/Labor/Employment	0
Environmental/Regulatory/Other	5
Eminent Domain/Real Estate	0
TOTAL	
Other Litigation matters (restraining orders, etc.) - Class Action suits	3
TOTAL – all pending lawsuits	12
Claims not in suit	3
Bankruptcy	4
Wage Garnishment	1
TRAC/Adjudicatory Appeals	1
Subpoenas	2
TOTAL – ALL LITIGATION MATTERS	23

LABOR AND EMPLOYMENT

New Matters

- A union requested arbitration, contesting the MWRA's denial of a grievance asserting that the MWRA failed to pay an employee holiday pay and overtime.
- A union requested arbitration, contesting the MWRA's denial of a grievance asserting that the MWRA improperly required an employee to submit to drug and alcohol testing and unjustly disciplined the employee.
- An employee filed a charge of discrimination at the MCAD, alleging race/color discrimination in the hiring process.
- A former employee filed an appeal of the determination of the Department of Unemployment Assistance that such former employee voluntarily left employment and is accordingly not eligible for benefits.

Significant Developments

- None

Matters Concluded

- The MWRA settled a grievance that a Union filed on behalf of a former employee asserting that the MWRA failed to pay the employee for working out of title.¹
- A union withdrew a request for arbitration and corresponding grievance that asserted that the MWRA suspended an employee in violation of the collective bargaining agreement.
- The EEOC dismissed a former employee's charge of race-based discrimination, harassment and retaliation.
- The Department of Unemployment Assistance affirmed its prior decision that a former employee voluntarily left employment and is accordingly disqualified from receiving benefits.
- An arbitrator issued an award in favor of the MWRA, affirming the MWRA's denial of three grievances and ruling that the MWRA did not violate the collective bargaining agreement when employees other than the three grievants worked overtime to cover shift vacancies.

¹ This matter was settled in January of 2025, but was inadvertently not included in the Yellow Notebook for January of 2025.

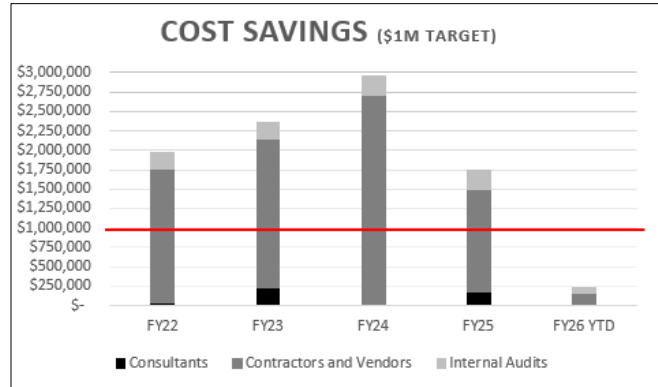
INTERNAL AUDIT AND CONTRACT AUDIT ACTIVITIES

1st Quarter - FY26

Purpose

Internal Audit evaluates the effectiveness of internal controls and procedures and monitors the quality, efficiency and integrity of the Authority's operating and capital programs. Through our audits and reviews, we assess whether internal controls are functioning as intended and that only reasonable, allowable and allocable costs are paid to consultants, contractors and vendors.

Cost Savings	FY26 YTD
Consultants	\$5,918
Contractors and Vendors	\$161,129
Internal Audits	\$63,289
Total	\$230,336



Highlights

During the 1st quarter FY26, an audit of MIS Software Management controls and procedures was completed. The objectives of this audit included controls and procedures related to financial administration, tracking and monitoring of MIS software installed on assets deployed to, reclaimed from, and transferred to employees, as well as collected from terminated employees. Our recommendation consisted of enhancing controls and procedures for maintaining the Maximo Licensing Application for all active licenses. A review of the Purchasing Card Program is progressing.

In addition, IA completed 1 incurred cost audit and 1 labor burden review. There are 6 incurred cost audits, 3 labor burden reviews, and 4 consultant reviews in process. IA also issued 13 indirect cost rate letters to consultants following a review of their consultant disclosure statements.

Status of Recommendations

During FY26, 1 recommendation was closed.

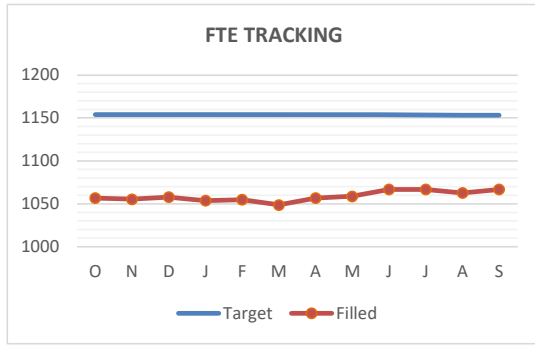
IA follows-up on open recommendations on a continuous basis. All open recommendations have target dates for implementation and are generally targeted to be closed within 12 months of the audit report issue date.

Report Title (issue date)	Audit Recommendations		
	Open	Closed	Total
Accounts Payable Process (3/14/2024)	0	6	6
MIS Asset Management (6/28/2024)	1	6	7
MIS Software Management (9/30/2025)	<u>1</u>	<u>0</u>	<u>1</u>
Total Recommendations	2	12	14

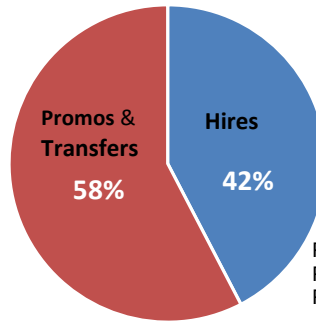
OTHER MANAGEMENT

Workforce Management

1st Quarter - FY26



Position Filled by Hires/Promos & Transfer for YTD



	Pr/Trns	Hires	Total
FY24	117 (56%)	93 (44%)	210
FY25	124 (58%)	90(42%)	214
FY26	34 (58%)	25 (42%)	59

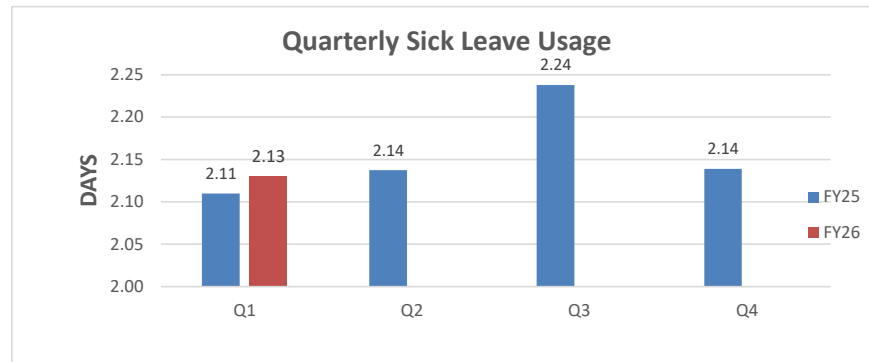
FY26 Budget for FTE's = 1153.2

FTE's as of Sept = 1066.9

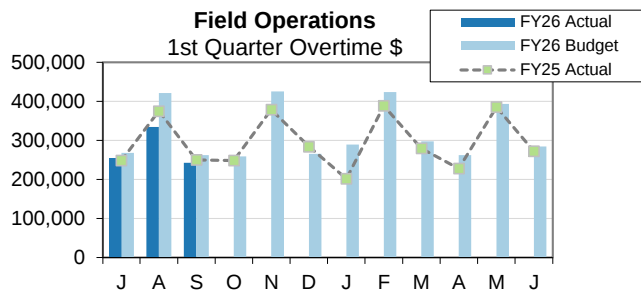
Tunnel Redundancy as of Sept 2025 = 8

POSITION CHANGE by FY

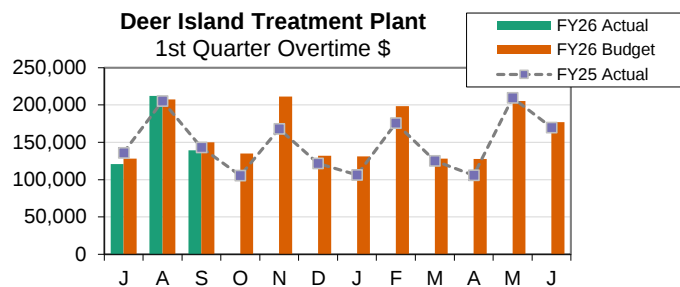
FY	HIRES	PROMOS	TRANSFER	RETIRE	RESIGN	DISMISS	DECEASED
FY22	65	108	30	82	45	2	3
FY23	91	118	15	46	31	5	5
FY24	93	97	20	48	30	5	4
FY25	90	107	17	54	25	5	3
FY26	25	22	12	18	6	1	0



Average quarterly sick leave for the 1st Quarter of FY26 has increased compared to the 1st Quarter of FY25 (2.13 from 2.11)



Total Overtime for Field Operations for First Quarter (Q1) (FY26) was \$833k, which is \$118k or 12.5% under budget. Fewer anticipated emergency events contributed to lower spending in Q1. Rain events totaled \$169k, or 61% of the \$273k expended on Emergency OT for FOD in Q1. Total Planned Scheduled Maintenance was \$223k, which was comprised of Regular Training of \$34k; Planned Off-Hours OT of \$143k. Operator Coverage OT for Q1 was \$269k, due to vacancies.

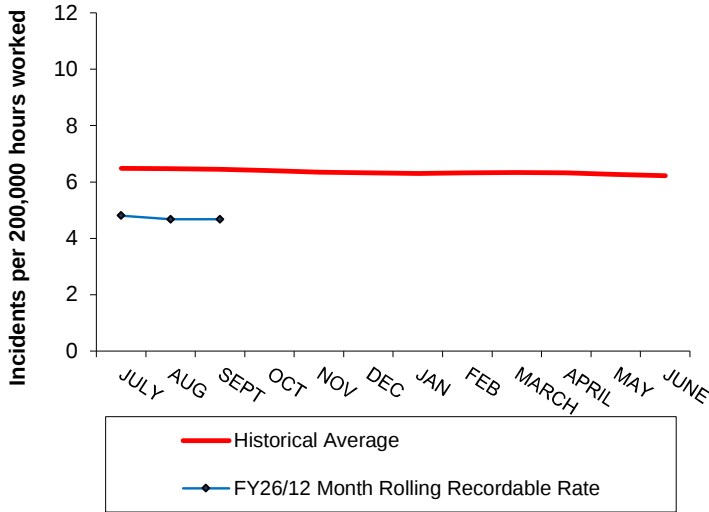


Total overtime for Deer Island for the first quarter (Q1) (FY26) was \$472k, which is (\$14k) or (2.9%) under budget - due to (\$83k) **Shift Coverage** - driven by (\$45k) Thermal & (\$37k) Wastewater Ops. (\$3k) **Storm Coverage**. Offset a by \$72k **Planned/Unplanned** comprised of \$43k WW Ops & \$41k Maint.

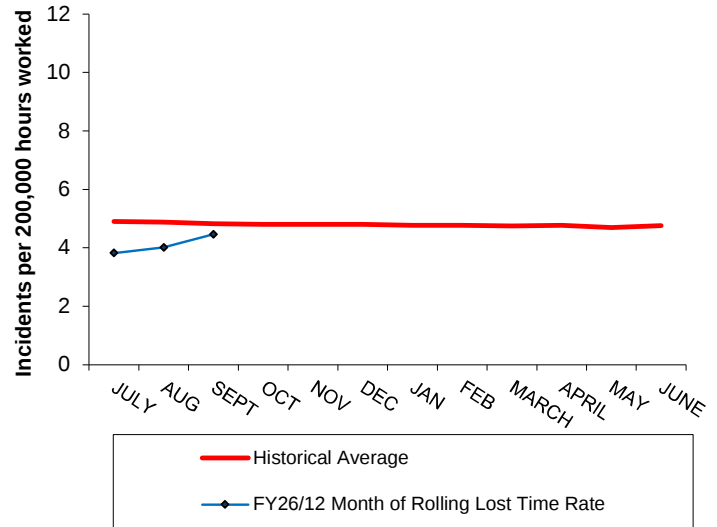
Workplace Safety

1st Quarter - FY26

Recordable Injury & Illness Rates



Lost Time Injury & Illness Rates

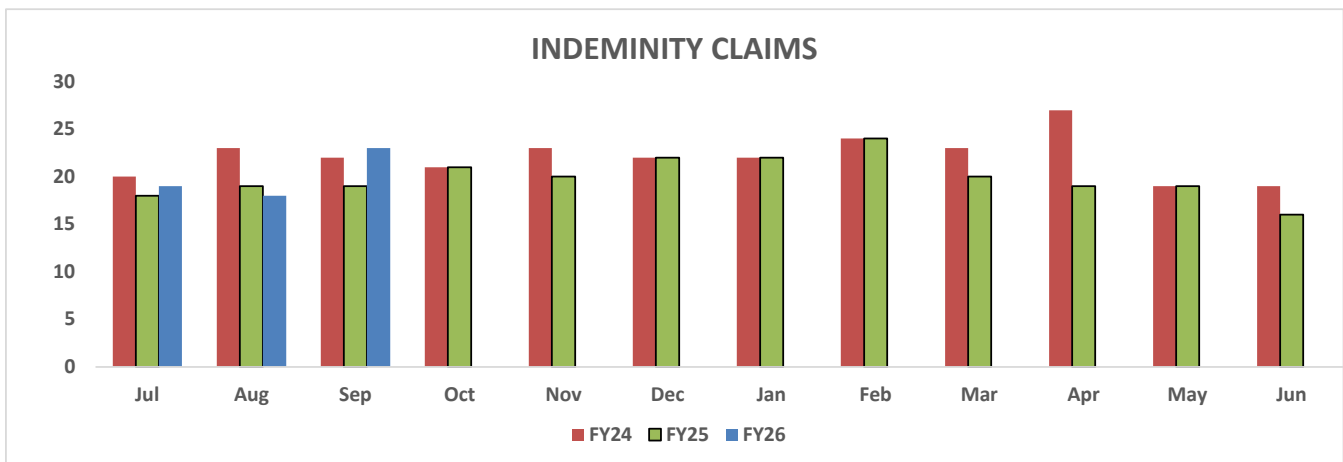


- 1 "Recordable" incidents are all work-related injuries and illnesses which result in death, loss of consciousness, restriction of work or motion, transfer to another job, or require medical treatment beyond first aid. Each month this rate is calculated using the previous 12 months of injury data.
- 2 "Lost-time" incidents, a subset of the recordable incidents, are only those incidents resulting in any days away from work, days of restricted work activity or both - beyond the first day of injury or onset of illness. Each month this rate is calculated using the previous 12 months of injury data.
- 3 The "Historical Average" is computed using the actual MWRA monthly incident rates for FY04 through FY25

WORKERS COMPENSATION HIGHLIGHTS

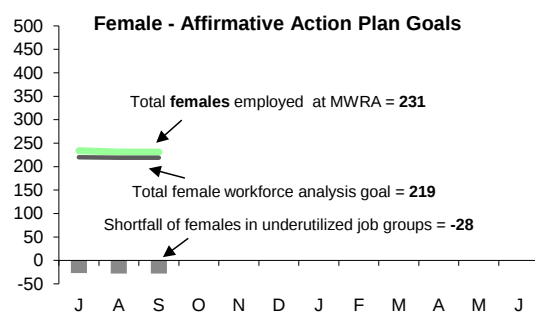
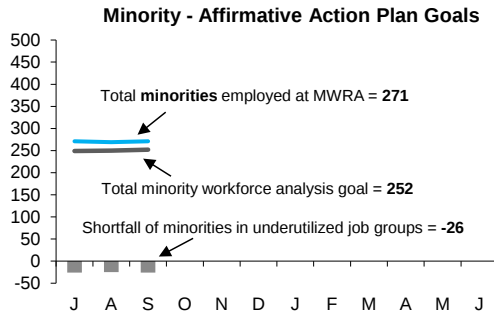
		1st Q Total(s) as of 9/30/25		
		New	Closed	Open Claims
Lost Time		4	3	10
Medical Only		3	6	115
Report Only		5	5	
		QYTD		FYTD
Regular Duty Returns		0		0
Light Duty Returns		0		0
Indemnity payments as of September 30th included in open claims listed				23

INDEMINITY CLAIMS



MWRA Job Group Representation

1st Quarter - FY26



Highlights:

At the end of Q1 FY26, 5 job groups or a total of 26 positions are underutilized by minorities as compared to 5 job groups for a total of 23 positions at the end of Q1 FY25; for females 7 job groups or a total of 28 positions are underutilized by females as compared to 8 job groups or a total of 27 positions at the end of Q1 FY25. During Q1, 7 minorities and 4 females were hired. During this same period 5 minorities and 6 females were terminated.

Underutilized Job Groups - Workforce Representation

Job Group	Employees as of 9/30/2025	Minorities as of 9/30/2025	Achievement Level	Minority Over or Underutilized	Females As of 9/30/2025	Achievement Level	Female Over or Underutilized
Administrator A	23	3	1	2	9	1	8
Administrator B	26	5	5	0	8	7	1
Clerical A	19	9	4	5	14	14	0
Clerical B	20	4	4	0	3	5	-2
Engineer A	83	17	21	-4	18	22	-4
Engineer B	57	17	16	1	19	11	8
Craft A	126	17	26	-9	0	7	-7
Craft B	114	25	23	2	1	6	-5
Laborer	58	13	15	-2	3	2	1
Management A	86	18	20	-2	32	22	10
Management B	35	12	6	6	5	6	-1
Operator A	54	3	12	-9	2	6	-4
Operator B	75	26	14	12	5	5	0
Professional A	29	8	8	0	14	13	1
Professional B	173	54	54	0	73	66	7
Para Professional	45	18	10	8	18	14	4
Technical A	50	20	12	8	6	11	-5
Technical B	5	2	1	1	1	1	0
Total	1078	271	252	45/-26	231	219	40/-28

AACU Candidate Referrals for Underutilized Positions

Job Group	Job Titles	# of Vacancies	Underutilization F=Female M=Minority	Requisition- Internal/ External	Status - New Hire Promo Rehire	Selected Applicants
CB-Clerical B	Inventory Control Specialist	1	F	Int.	P	1WM
EA-Engineering A	Assets Manager District Supervisor Project Engineer Sr Engr Reservoir Operations Program Manager, Chemistry Sr. Program Mgr. E&C	6	M/F	4 Int. 2 Int./Ext.	4 Promo 1 NH 1 RH	4WM 1AM 1WF
KA-Craft A	Unit Supervisor-Mech M & O Specialist-Wastewater x 2 Asst Auto Technician in Training	4	M/F	1 Int. 3 Int./Ext.	1 Promo 1 NH 2 RH	3WM 1HM
KB-Craft B	Med Volt Electrical Specialist Instrument Technician Heavy Equipment Operator x 2 Junior Instrument Technician HVAC Technician Toolmaker Facilities Specialist	8	F	1 Int. 7 Int./Ext.	4 Promo 4 NH	5WM 2BM 1BF
L-Laborers	OMC Laborer x 2 Building/Grounds Worker	3	M	3 Int./Ext.	3 NH	2WM 1HM
MA-Management A	Maintenance Manager Program Manager, Water Quality	2	M	1 Int. 1Int./Ext.	1 Promo 1NH	2WM
MB-Management B	Area Manager Operations Supervisor	2	F	2 Int. 1Int./Ext.	2 Promo	2WM
OA-Operator A	Area Supervisor I (Metro Water) Supervisor, Logistics Unit	2	M/F	2 Int.	2 Promo	2WM
TA-Technical A	Sr Field Service Technician x 2	2	F	2 Int./Ext.	2 NH	1WM 1BM

Minority/Women-Owned Business Enterprise (MBE/WBE) Expenditures

1st Quarter – FY26

MWRA's goals for construction and professional services expenditures for minority owned business enterprises (MBE) and women owned business enterprises (WBE) is based upon a 2002 Availability Study.* The goals are as follows:

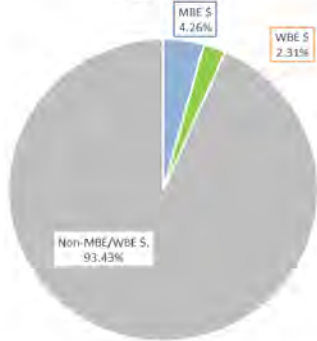
Construction: 7.24% MBE / 3.6% WBE

Professional Services: 7.18% MBE / 5.77% WBE

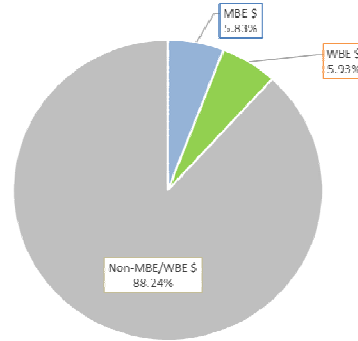
Participation goals are only placed on contracts when there is a reasonable expectation of participation from available MBE and WBE firms, whether as prime contractors or as subcontractors, to perform the contracted work.

*MWRA is in the process of competitively procuring an expert firm to perform a new availability analysis during the calendar year of 2026.

Contract Dollars Spent on MBE/WBE Construction Firms Monitored by AACU
in Q1 of FY26



Contract Dollars Spent on MBE/WBE Professional Service Firms Monitored by AACU
in Q1 of FY26



In accordance with the Affirmative Action Plan (AAP) for calendar year 2025, MWRA is reporting expenditures for Qtr 1 of FY26 in the format consistent with the approved AAP. MWRA is monitoring 14 construction contracts and 29 professional services contracts. In this quarter, MWRA has spend approximately 4.26% (approximately \$1.7 million) of all construction payments to MBE firms, and 2.31% (approximately \$974K) on WBE firms. In Qtr 1 of FY26, the MWRA has spend approximately 5.83% (approximately \$573K) of all professional services payments to MBE firms, and 5.93% (approximately \$582K) on WBE firms. In Qtr 1 of FY26, MWRA has spent approximately \$31,245 dollars to MBE or WBE vendors for goods and services.

Calendar Year (2026) to Date					
	Total Payments	MBE Payments (\$)	MBE % of Payments	WBE Payments (\$)	WBE % of Payments
Construction	\$42,209,345	\$1,798,755	4.26%	\$974,201	2.31%
Professional Services	\$9,829,336	\$573,003	5.83%	\$582,961	5.93%
Grand Totals:	\$52,038,682	\$2,371,758	4.56%	\$1,557,162	2.99%

CEB Expenses

1st Quarter – FY26

As of September 2025, total expenses are \$214.8 million, \$5.2 million or 2.4% lower than budget, and total revenue is \$229.6 million, \$1.1 million or 0.5% over the estimate, for a net variance of \$6.3 million.

Expenses –

Direct Expenses are \$73.8 million, \$3.3 million or 4.2% under budget.

- **Wages & Salaries** were \$2.4 million under budget or 7.7%. Regular pay is \$2.4 million under budget, largely due to lower head count. YTD through September, the average Full Time Equivalent (FTE) positions was 1,074 or 92 below the 1,166 FTE's budgeted.
- **Fringe Benefits** expenses were \$921k under budget or 12.3%, primarily due to lower spending for Health Insurance of \$916k, reflecting the lower than budgeted head count. As of September, FTEs were 92 below budget.
- **Ongoing Maintenance** expenses were \$673k over budget or 6.7% due to more than anticipated spending of projects through September and unanticipated software license purchase.
- **Other Services** expenses were \$408k or 4.7% under budget driven by Grit & Screenings of \$151k and Sludge Pelletization of \$142k, both due to lower quantities.

Indirect Expenses were \$35.5 million, \$1.3 million or 3.6% below budget driven by lower than budgeted Watershed Reimbursement.

Capital Finance Expenses totaled \$105.4 million, \$595k under budget or 0.6%. The positive variance was a result of lower than budget variable interest expense of \$595k due to lower interest rates.

Revenue and Income –

Total Revenue and Income is \$229.6 million, \$1.1 million or 0.5% over the estimate. The favorable variance was driven by higher Investment Income of \$5.9 million, \$842k over the estimate due to higher than anticipated interest rates, and Other Revenue of \$176k driven by Miscellaneous and Energy Revenues.

	Sep 2025 Year-to-Date			
	Period 3 YTD Budget	Period 3 YTD Actual	Period 3 YTD Variance	%
EXPENSES				
WAGES AND SALARIES	\$ 31,684,099	\$ 29,259,891	\$ (2,424,208)	-7.7%
OVERTIME	1,605,163	1,411,635	(193,528)	-12.1%
FRINGE BENEFITS	7,497,688	6,576,702	(920,986)	-12.3%
WORKERS' COMPENSATION	544,933	593,755	48,822	9.0%
CHEMICALS	5,564,654	5,668,228	103,574	1.9%
ENERGY AND UTILITIES	7,360,190	7,680,256	320,066	4.3%
MAINTENANCE	10,048,532	10,721,347	672,815	6.7%
TRAINING AND MEETINGS	166,488	65,341	(101,147)	-60.8%
PROFESSIONAL SERVICES	2,647,750	2,488,173	(159,577)	-6.0%
OTHER MATERIALS	1,376,524	1,173,321	(203,203)	-14.8%
OTHER SERVICES	8,604,110	8,196,520	(407,590)	-4.7%
TOTAL DIRECT EXPENSES	\$ 77,100,131	\$ 73,835,169	\$ (3,264,962)	-4.2%
INSURANCE	\$ 1,382,293	\$ 1,318,479	\$ (63,814)	-4.6%
WATERSHED/PILOT	6,429,725	5,168,003	(1,261,722)	-19.6%
HEEC PAYMENT	1,749,198	1,749,198	-	0.0%
MITIGATION	467,288	467,288	-	0.0%
ADDITIONS TO RESERVES	491,871	491,871	-	0.0%
RETIREMENT FUND	26,347,117	26,347,117	-	0.0%
POST EMPLOYEE BENEFITS	-	-	-	---
TOTAL INDIRECT EXPENSES	\$ 36,867,492	\$ 35,541,953	\$ (1,325,539)	-3.6%
STATE REVOLVING FUND	\$ 19,906,249	\$ 19,906,249	\$ -	0.0%
SENIOR DEBT	62,468,241	62,468,241	-	0.0%
DEBT SERVICE ASSISTANCE	-	-	-	---
CURRENT REVENUE/CAPITAL	-	-	-	---
SUBORDINATE MWRA DEBT	22,827,841	22,827,841	-	0.0%
LOCAL WATER PIPELINE CP	-	-	-	---
CAPITAL LEASE	804,265	804,265	-	0.0%
VARIABLE DEBT	-	(594,893)	(594,893)	---
DEFEASANCE ACCOUNT	-	-	-	---
DEBT PREPAYMENT	-	-	-	---
TOTAL CAPITAL FINANCE EXPENSE	\$ 106,006,596	\$ 105,411,703	\$ (594,893)	-0.6%
TOTAL EXPENSES	\$ 219,974,219	\$ 214,788,825	\$ (5,185,394)	-2.4%
REVENUE & INCOME				
RATE REVENUE	\$ 219,690,250	\$ 219,690,250	\$ -	0.0%
OTHER USER CHARGES	3,002,153	3,050,858	48,705	1.6%
OTHER REVENUE	785,685	961,829	176,144	22.4%
RATE STABILIZATION	-	-	-	---
INVESTMENT INCOME	5,088,538	5,930,732	842,194	16.6%
TOTAL REVENUE & INCOME	\$ 228,566,626	\$ 229,633,669	\$ 1,067,043	0.5%

Cost of Debt

1st Quarter – FY26

MWRA borrowing costs are a function of the fixed and variable tax exempt interest rate environment, the level of MWRA's variable interest rate exposure and the perceived creditworthiness of MWRA. Each of these factors has contributed to decreased MWRA borrowing costs since 1990.

Average Cost of MWRA Debt FYTD

Fixed Debt (\$2.56 billion)	3.25%
Variable Debt (\$295.4 million)	2.86%
SRF Debt (\$750.5 million)	1.88%
Weighted Average Debt Cost (\$3.70 billion)	2.93%

Most Recent Senior Fixed Debt Issue April 2024

2024 Series B and C (\$445.5 million)	3.68%
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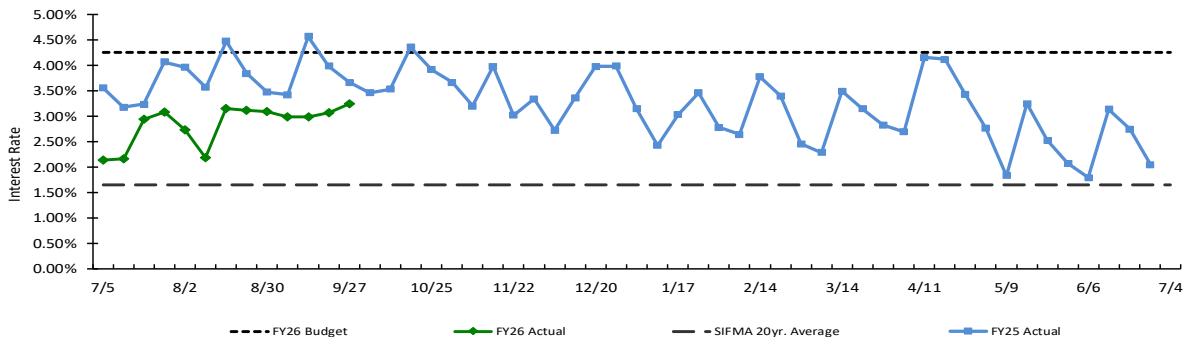


Bond Deal	1998AB	2000A	2000D	2002B	2002J	2003D	2004A	2004B	2005A	2006AB	2007AB	2009AB	2010AB	2011B
Rate	5.04%	6.11%	5.03%	5.23%	4.71%	4.64%	5.05%	4.17%	4.22%	4.61%	4.34%	4.32%	4.14%	4.45%
Avg Life	24.4 yrs	26.3 yrs	9.8 yrs	19.9 yrs	19.6 yrs	18.4 yrs	19.6 yrs	13.5 yrs	18.4 yrs	25.9 yrs	24.4 yrs	15.4 yrs	16.4 yrs	18.8 yrs

Bond Deal	2011C	2012AB	2013A	2014D-F	2016BC	2016D	2017BC	2018BC	2019BC	2019EFG	2020B	2021BC	2023BC	2024BC
Rate	3.95%	3.93%	2.45%	3.41%	3.12%	2.99%	2.98%	3.56%	2.82%	2.66%	2.33%	2.56%	3.35%	3.68%
Avg Life	16.5 yrs	17.9 yrs	9.9 yrs	15.1 yrs	17.4 yrs	18.8yrs	11.2 yrs	11.7yrs	11.9yrs	9.73 yrs.	15.6 yrs	12.2 yrs	10.45 yrs	11.77 yrs

Weekly Average Variable Interest Rates vs. Budget

MWRA currently has eight variable rate debt issues with \$334.8 million outstanding, excluding commercial paper. Variable rate debt has been less expensive than fixed rate debt in recent years as short-term rates have remained lower than long-term rates on MWRA debt issues. In September, the Securities Industry and Financial Markets Association rate ranged from a high of 2.89% to a low of 2.60% for the month. MWRA's issuance of variable rate debt, although consistently less expensive in recent years, results in exposure to additional interest rate rise as compared to fixed rate debt.

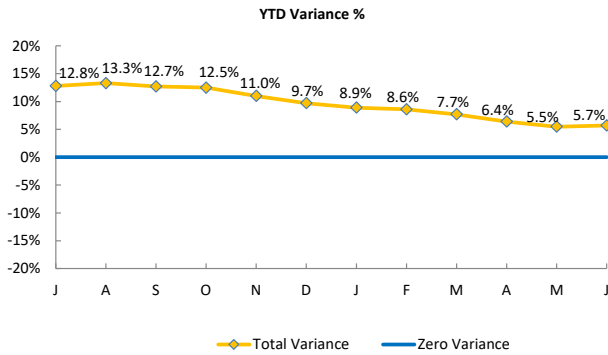


Investment Income

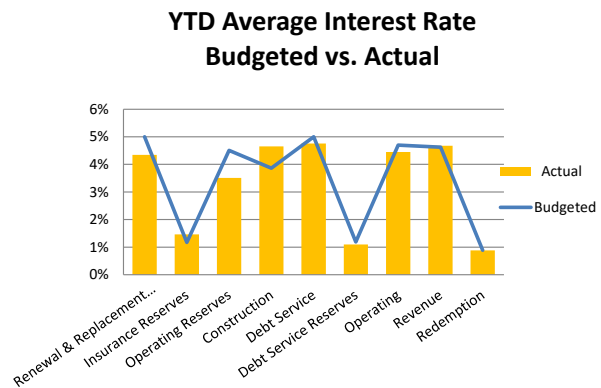
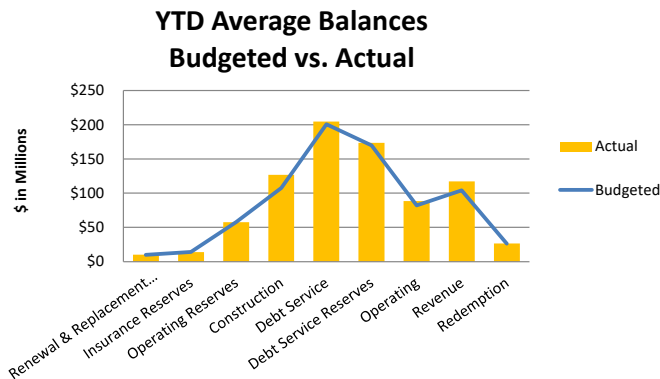
4th Quarter – FY25

No update is available for this quarter

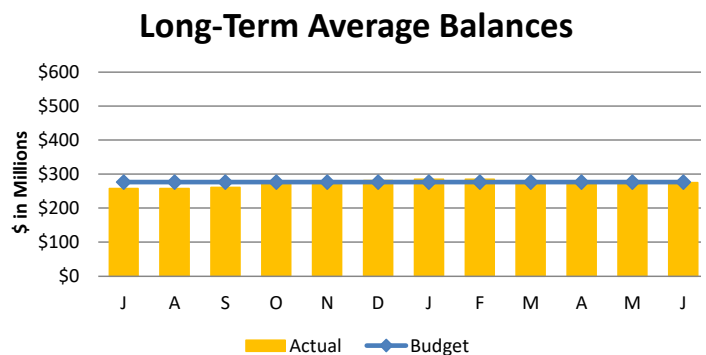
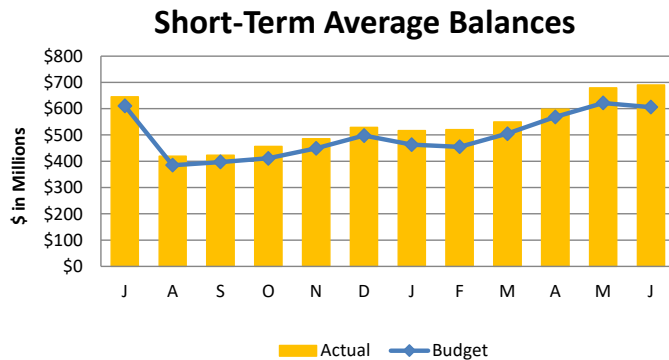
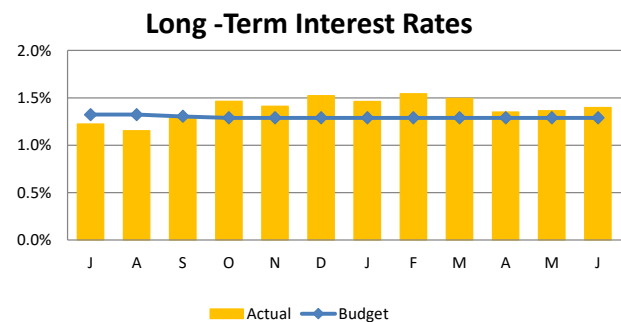
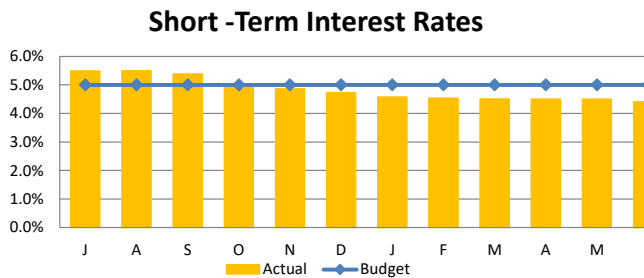
- YTD variance is 5.7%, \$1.6 million, over budget due to higher than budgeted average balances.



	YTD BUDGET VARIANCE			
	(\$000)			
	BALANCES IMPACT	RATES IMPACT	TOTAL	%
Renewal & Replacement Reserves	\$7	-\$66	-\$59	-11.8%
Insurance Reserves	\$0	\$41	\$41	24.9%
Operating Reserves	-\$7	-\$575	-\$582	-22.3%
Construction	\$869	\$806	\$1,675	40.3%
Debt Service	\$192	-\$494	-\$302	-3.0%
Debt Service Reserves	\$44	-\$159	-\$115	-5.7%
Operating	\$287	\$10	\$297	7.7%
Revenue	\$605	\$66	\$672	14.0%
Redemption	\$0	\$0	\$0	0.1%
Total Variance	\$1,997	-\$370	\$1,627	5.7%



Monthly



STAFF SUMMARY

TO: Board of Directors
FROM: Frederick A. Laskey, Executive Director
DATE: November 19, 2025
SUBJECT: FY26 Financial Update and Summary through October



COMMITTEE: Administration, Finance & Audit

Michael J. Cole, Budget Director
James J. Coyne, Budget Manager
Preparer/Title

X INFORMATION

 VOTE



Thomas J. Durkin
Director, Finance

RECOMMENDATION:

For information only. This staff summary provides the financial results and variance highlights for Fiscal Year 2026 through October 2025, comparing actual spending to the budget.

DISCUSSION:

The total Year-to-Date variance for the FY26 CEB is \$8.6 million, due to lower direct expenses of 4.7% or \$4.8 million, indirect expenses of 3.0% or \$1.2 million, and debt service costs of 0.9% or \$1.2 million, and higher revenue of 0.5% or \$1.4 million.

FY26 Current Expense Budget

The CEB expense variances for FY26 by major budget category were:

- Lower Direct Expenses of 4.7% or \$4.8 million under budget. Spending was lower for Wages & Salaries, Fringe Benefits, Other Services, Professional Services, Overtime, Chemicals, Maintenance, and Training & Meetings. Spending was higher than budget for Utilities, Other Materials, and Workers' Compensation.
- Lower Indirect Expenses of 3.0% or \$1.2 million under budget due primarily to lower Watershed reimbursements.
- Lower Debt Service expenses of 0.9% or \$1.2 million was a result of lower than projected variable interest expense.
- Revenue was 0.5% or \$1.4 million over the estimate driven by Investment Income of \$0.9 million due to higher than budgeted interest rates.

**FY26 Budget and FY26 Actual Variance by Expenditure Category
(In millions)**

	FY26 Budget	FY26 Actual	\$ Variance	% Variance
Direct Expenses	\$102.4	\$97.6	-\$4.8	-4.7%
Indirect Expenses	\$40.0	\$38.8	-\$1.2	-3.0%
Capital Financing	\$139.2	\$137.9	-\$1.2	-0.9%
Total	\$281.6	\$274.3	-\$7.2	-2.6%

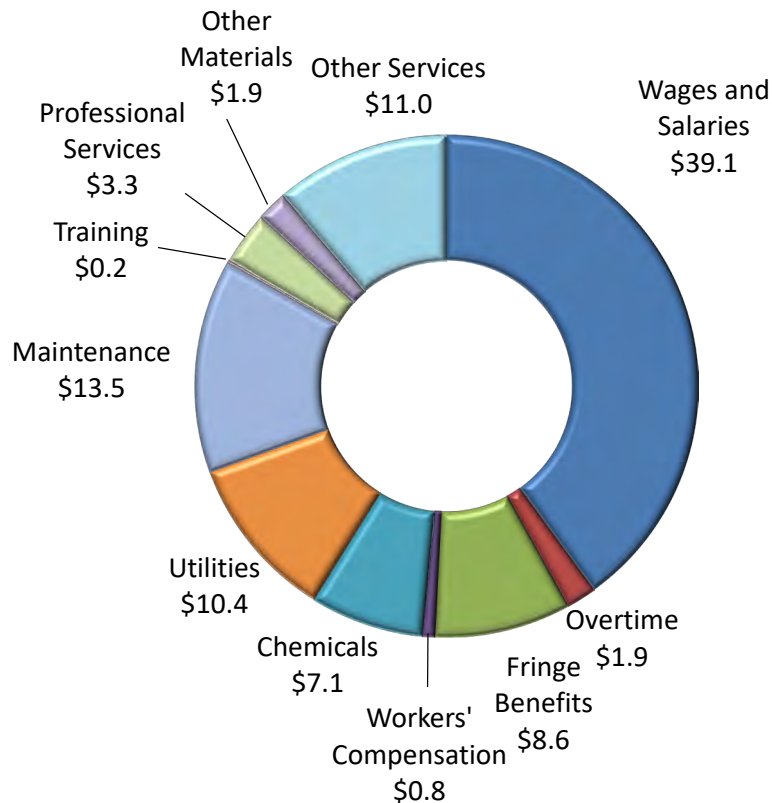
Totals may not add due to rounding

Please refer to Attachment 1 for a more detailed comparison by line item of the budget variances for FY26.

Direct Expenses

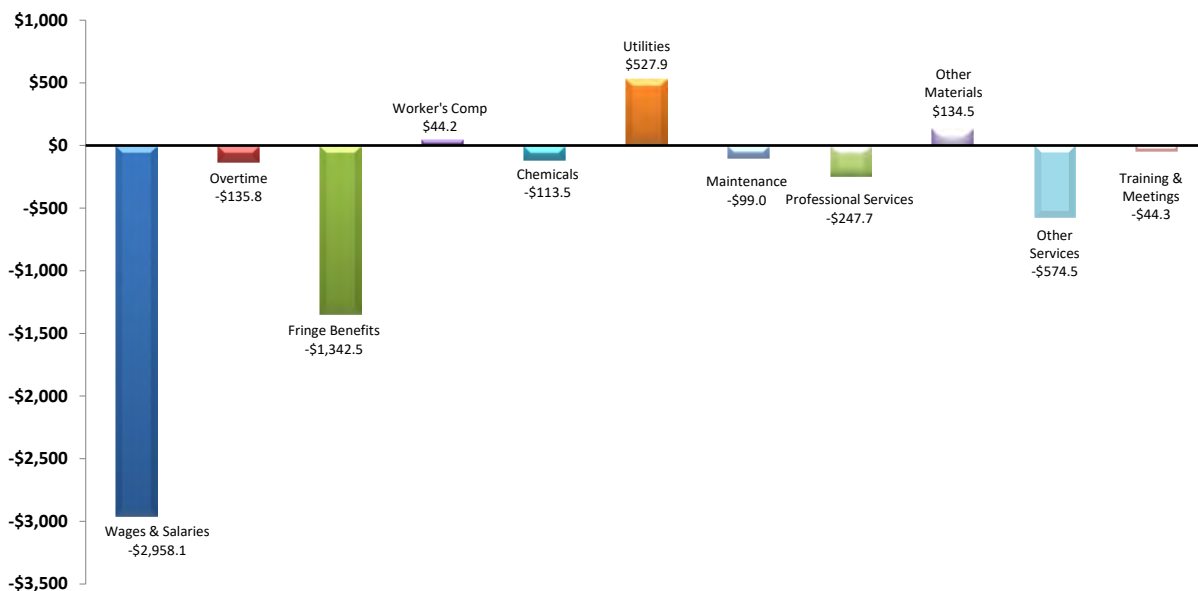
FY26 direct expenses through October totaled \$97.6 million, which was \$4.8 million or 4.7% less than budgeted.

**FY26 Direct Expenses
(in millions)**



Spending was lower for Wages & Salaries, Fringe Benefits, Other Services, Professional Services, Overtime, Chemicals, Maintenance, and Training & Meetings. Spending was higher than budget for Utilities, Other Materials, and Workers' Compensation.

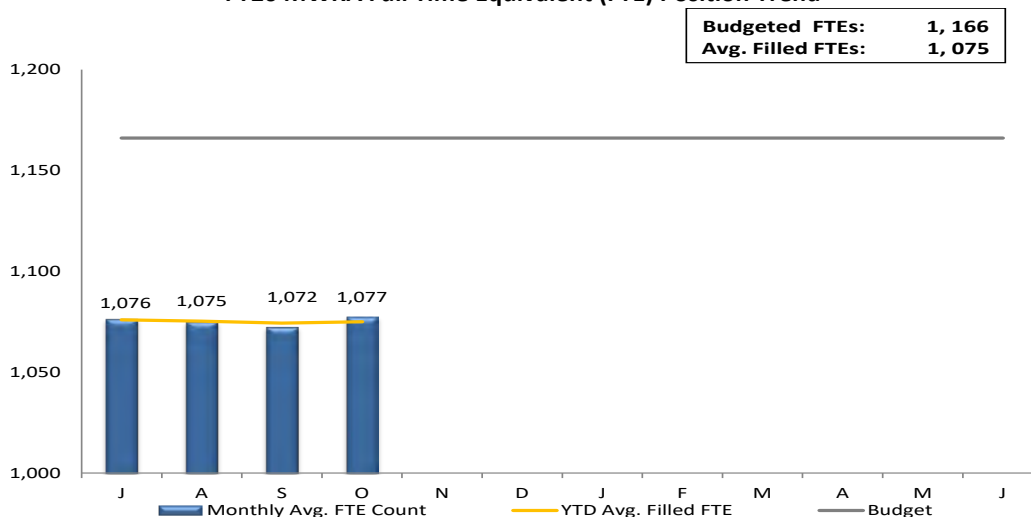
**FY26 Direct Expense Variances
(in thousands)**



Wages and Salaries

Wages and Salaries were lower than budget by \$3.0 million or 7.0%. Through October, there were 91 fewer average FTEs (1,075 versus 1,166 budget) or 7.8% and lower average salaries for new hires versus retirees. The timing of backfilling vacant positions also contributed to Regular Pay being under budget.

FY26 MWRA Full Time Equivalent (FTE) Position Trend



Fringe Benefits

Fringe Benefits spending was lower than budget by \$1.3 million or 13.5%. This is primarily driven by lower than budgeted Health Insurance costs of \$1.3 million, due to fewer than budgeted participants in health insurance plans, increased contribution by external new hires vs. lower contribution rates of staff retiring, and the shift from family to individual plans which are less expensive.

Other Services

Other Services were lower than budget by \$575,000 or 5.0% driven by lower than anticipated expenses through October for Memberships/Dues/Subscriptions of \$329,000, and Telecommunications of \$315,000, as well as Grit & Screenings Removal of \$135,000 primarily due to lower quantities.

Utilities

Utilities were higher than budget by \$528,000 or 5.4%. Higher than budgeted spending for Electricity of \$399,000 was driven by Deer Island Treatment Plant (DITP) of \$541,000 which was primarily due to Eversource Energy for higher pricing. Field Operations was under budget by \$128,000 due to lower demand as a result of fewer wet weather events, resulting in less pumping. Higher spending for Water of \$140,000 was primarily due to greater than projected water usage at DITP as a result of the DITP Primary and Secondary Clarifier Rehabilitation project.

Professional Services

Professional Services were lower than budget by \$248,000 or 7.0% driven by lower Computer Systems Consultant of \$212,000, Other Services of \$111,000, both due to less than anticipated spending through October. These were partially offset by greater than anticipated spending for Legal Services of \$100,000 and Lab & Testing Analysis of \$82,000 through October.

Overtime

Overtime expenses were lower than budget by \$136,000 or 6.6%. Lower than budgeted spending for the Field Operations Department (FOD) of \$81,000 was due to less emergency overtime as a result of less rain events and planned overtime due to vacancies. Lower spending in TRAC of \$36,000, Engineering & Construction of \$14,000, and Occupational Health & Safety of \$15,000, all were due to less than anticipated needs. Year-to-Date rainfall was a major contributor for the less than anticipated overtime.

Other Materials

Other Materials spending was higher than budget by \$134,000 or 7.5% driven by Vehicle Purchases/Replacements of \$573,000 due to earlier than anticipated purchases through October, partially offset by lower Computer Hardware of \$305,000 due to less than anticipated purchases through October, Other Materials of \$139,000 due to less than anticipated materials purchases including gravel, and Vehicle Expense of \$103,000 due to less than anticipated spending driven by lower fuel prices.

Chemicals

Chemicals were lower than budget by \$114,000 or 1.6%. Lower Sodium Bisulfite of \$166,000 primarily driven by lower volume at DITP of \$86,000 due to lower quantities to dechlorinate the effluent which will be fine-tuned as a result of new permit requirements, and Wastewater Operations of \$66,000 due to lower volume as a result of less than anticipated CSO activations. Lower Activated Carbon of \$131,000 primarily in Wastewater Operations due to the timing of carbon change-outs. Lower Liquid Oxygen of \$77,000 was due to lower dosing at Carroll Water Treatment Plant, and Lower Polymer of \$64,000 was due to lower than expected secondary sludge production. This was partially offset by higher Hydrogen Peroxide of \$350,000 to reduce elevated H₂S levels for odor pretreatment and corrosion control and allows staff to perform maintenance activities and ongoing tank work more safely within the tanks due to the low flows. DITP flows are 15.4% less than planned and the CWTP flows are 7.9% greater than planned through October. It is important to note that Chemical variances are also based on deliveries which in general reflect the usage patterns. However, the timing of deliveries is an important factor.

Maintenance

Maintenance was lower than budget by \$99,000 or 0.7%. Maintenance Services were less than budget by \$1.2 million driven by Building and Grounds Services of \$823,000 due to less than anticipated services through October including invasives control, Pipe Services of \$248,000 due to less than anticipated services including paving and manhole rehabilitation, and Electrical Services of \$134,000 due to less than anticipated electrical services and testing. Maintenance Materials were greater than budget by \$1.1 million driven by higher Plant & Machinery Materials of \$514,000 due to greater than anticipated purchases through October including Reactor Mixer Gearbox 50 H.P. Replacement, and Electrical Materials of \$230,000 also due to greater than anticipated spending through October.

Training & Meetings

Training & Meetings were lower than budget by \$44,000 or 20.5% primarily due to less than anticipated spending on meetings and conferences through October.

Worker's Compensation

Worker's Compensation expenses were greater than budget by \$44,000 or 6.1%. The variance is due to higher than budgeted expenses for Compensation Payments of \$77,000 and Administrative Expenses of \$9,000, partially offset by lower Medical Payments of \$42,000. Due to uncertainties of when spending will happen, the budget was spread evenly throughout the year.

Indirect Expenses

Indirect Expenses totaled \$38.8 million, which is \$1.2 million or 3.0% lower than budget. The variance is driven by lower Watershed Reimbursement.

Based on FY26 operating activity only, the Watershed Division is \$1.2 million or 14.4% under budget. Lower spending on Wages & Salaries, Fringe Benefits, and Maintenance drove the

variance. When factoring in the FY25 balance forward of \$77,000 which was paid during Q1 of FY26, Watershed Reimbursement is \$1.1 million or 13.4% below budget through October 2025.

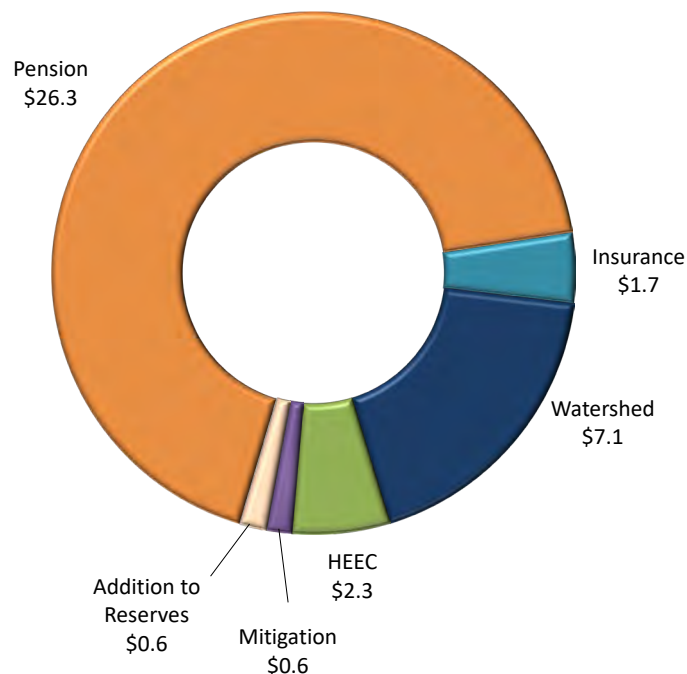
FY26 Watershed Protection Variance
(in millions)

\$ in millions	FY26 Budget	FY26 Actual	FY26 \$ Variance	FY26 % Variance
Operating Expenses	8.6	7.4	-1.2	-14.2%
Operating Revenues - Offset	0.3	0.3	0.0	-9.0%
FY26 Operating Totals	8.3	7.1	-1.2	-14.4%
DCR Balance Forward (FY25 year-end accrual true-up)	0.0	0.1	0.1	
FY26 Adjusted Operating Totals	8.3	7.1	-1.1	-13.4%
PILOT	0.0	0.0	0.0	0.0%
Total Watershed Reimbursement	8.3	7.1	-1.1	-13.4%

Totals may not add due to rounding

MWRA reimburses the Commonwealth of Massachusetts Department of Conservation (DCR) and Recreation - Division of Water Supply Protection – Office of Watershed Management for expenses. The reimbursements are presented for payment monthly in arrears. Accruals are being made monthly based on estimated expenses provided by DCR and trued-up monthly based on the monthly invoice. MWRA's budget is based on the annual Fiscal Year Work Plan approved by the Massachusetts Water Supply Protection Trust. The FTE count at the end of October was 145.0 (146.8 on a year-to-date basis) vs. a budget of 151.

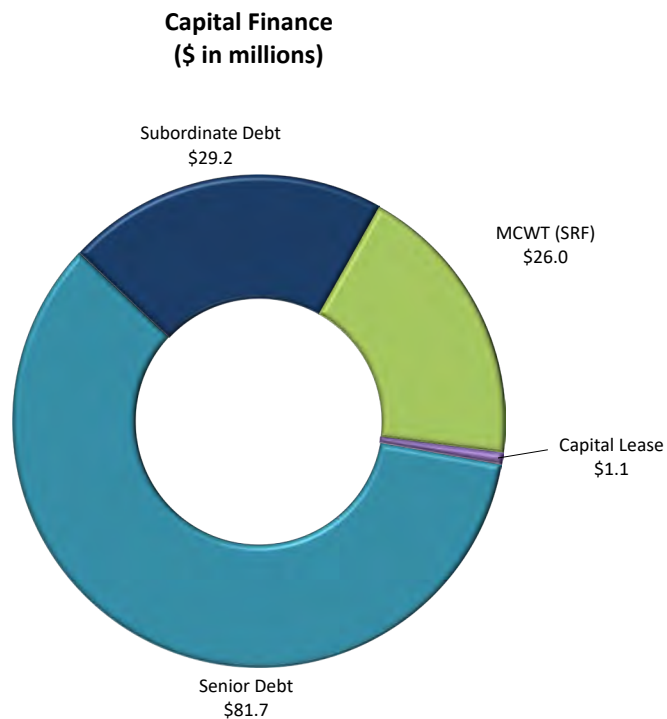
FY26 Indirect Expenses
(in millions)



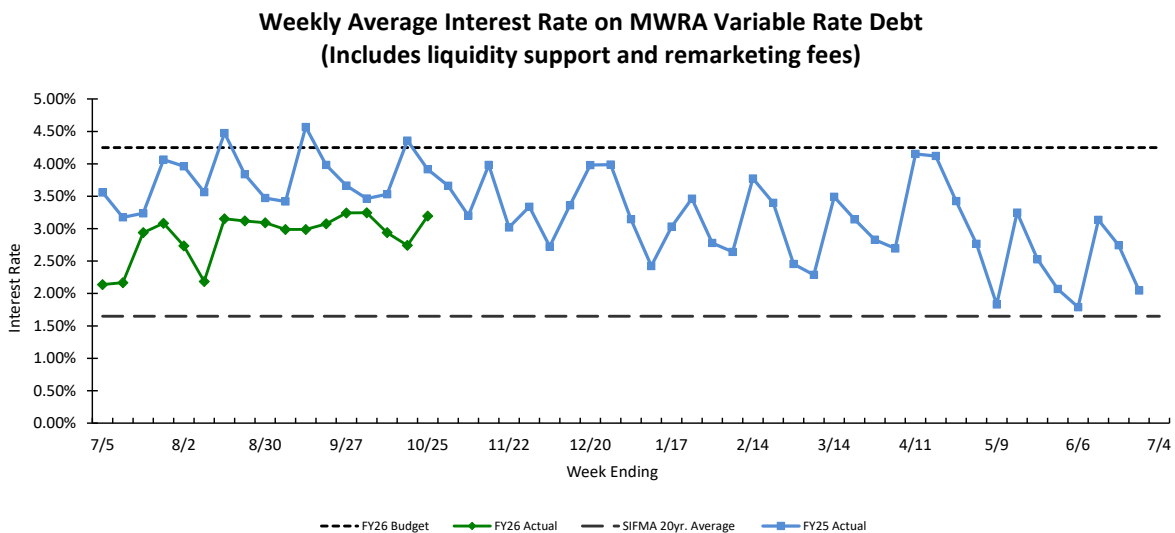
Capital Financing

Capital Financing expenses include the principal and interest payments for fixed senior debt, the variable subordinate debt, the Massachusetts Clean Water Trust (SRF) obligation, the costs for the local water pipeline projects, current revenue for capital, Optional Debt Prepayment, and the Chelsea Facility lease payment.

Capital Financing expenses in FY26 through October totaled \$137.9 million which was \$1.2 million or 0.9% lower than budget driven by lower than anticipated variable interest expense of \$1.2 million due to favorable rates.



The graph below reflects the FY26 actual variable rate trend by week against the FY26 Budget.



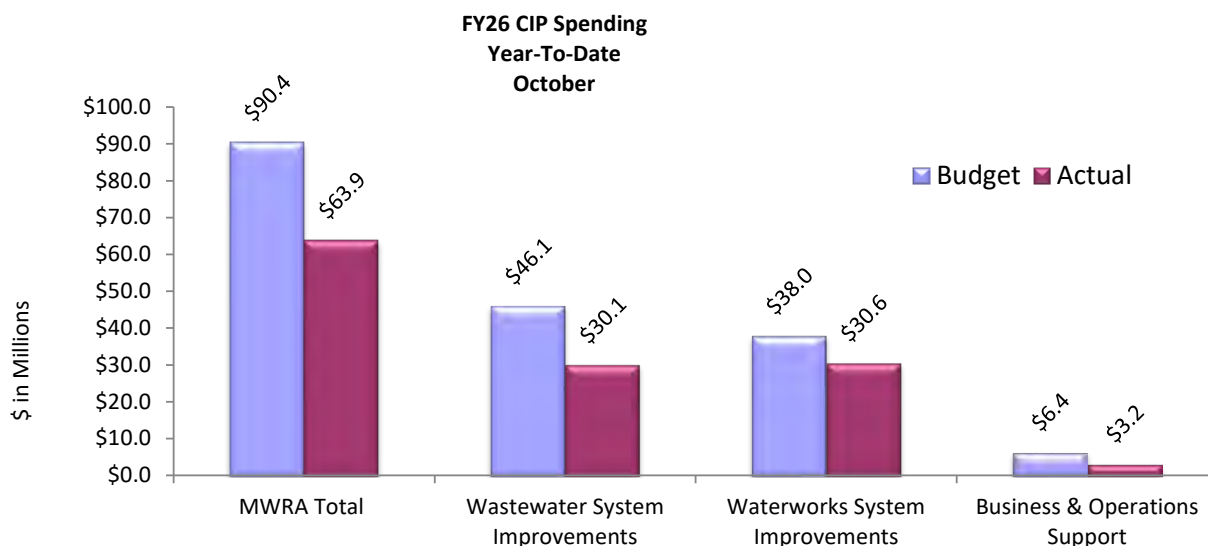
Revenue & Income

Revenues of \$301.4 million were \$1.4 million or 0.5% greater than the estimate driven by Investment Income which was \$853,000 or 12.7% greater than planned due to higher than assumed interest rates. Other Revenue of \$487,000 also contributed to the greater than budgeted estimate, and was driven by Energy Revenue of \$478,000.

FY26 Capital Improvement Program

Capital expenditures in Fiscal Year 2026 through October totaled \$63.9 million, \$26.5 million or 29.3% under planned spending.

After accounting for programs which are not directly under MWRA's control which include the Inflow and Infiltration (I/I) grant/loan program, the Local Water System Assistance loan program, and the community managed Combined Sewer Overflow (CSOs) projects, capital spending totaled \$70.8 million, \$9.7 million or 12.1% under planned spending.



Overall, CIP spending reflects less than planned spending in Wastewater Improvements (\$16.0 million), less than planned spending in Waterworks (\$7.4 million) and less than planned spending in Business and Operations Support (\$3.2 million). Major variances in Wastewater are primarily due to less than anticipated requests for community grants and loans for the I/I Local Financial Assistance Program, less than anticipated progress for Hayes Pump Station Rehab, the Deer Island Treatment Plant (DITP) Clarifier Rehab Phase 2 contract, DITP Roofing Replacement, and Somerville Marginal New Pipe Connection, and lower than projected task order work for DITP As-Needed Design contracts.

Major variances in Waterworks include less than anticipated net spending for the Water Loan Program, and less than planned contractor progress for Section 75A and 47 Extension - CP-1,

Metro Redundancy Interim Improvements CP2 Shaft 5, Waltham Water Pipeline, Wachusett Lower Gatehouse Pipe & Boiler Replacement, less than planned consultants progress for Metro Water Tunnel Program Final Design/ESDC, Geotechnical Support Services and WASM 3 - MEPA/Design/CA/RI, updated schedule for NIH Storage - Design CA/RI, and lower than projected task order work for CWTP Technical Assistance. This was partially offset by greater than planned contractor progress for Section 56 Replacement/Saugus River – Construction, CP-2 NEH Improvements, Section 89/29 Replacement Construction, and CP-2, Sections 25 & 24 – Construction.

\$ in Millions	Budget	Actuals	\$ Var.	% Var.
Wastewater System Improvements				
Interception & Pumping	6.9	6.0	(0.9)	-13.2%
Treatment	23.5	20.0	(3.5)	-14.9%
Residuals	0.0	0.1	0.1	0.0%
CSO	2.5	1.3	(1.2)	-47.8%
Other	13.1	2.6	(10.5)	-79.9%
Total Wastewater System Improvements	\$46.1	\$30.1	(\$16.0)	-34.7%
Waterworks System Improvements				
Drinking Water Quality Improvements	1.1	0.5	(0.6)	-54.4%
Transmission	19.4	13.5	(5.9)	-30.3%
Distribution & Pumping	15.7	19.8	4.1	25.9%
Other	1.8	(3.2)	(5.0)	-270.9%
Total Waterworks System Improvements	\$38.0	\$30.6	(\$7.4)	-19.4%
Business & Operations Support	\$6.4	\$3.2	(\$3.2)	-49.6%
Total MWRA	\$90.4	\$63.9	(\$26.5)	-29.3%

FY26 Spending by Program:

The main reasons for the project spending variances in order of magnitude are:

Other Wastewater: Less than planned spending of \$10.5 million

- \$10.5 million for Community I/I due to less than anticipated requests for community grants and loans.

Waterworks Transmission: Less than planned spending of \$5.9 million

- \$1.2 million for Metro Redundancy Interim Improvements CP2 Shaft 5, \$1.0 million for Waltham Water Pipeline and \$0.9 million for Wachusett Lower Gatehouse Pipe & Boiler Replacement all due to less than anticipated contractor progress.
- \$1.1 million for Metropolitan Water Tunnel Program Final Tunnel Design/ESDC, \$0.7 million for Geotechnical Support Services, and \$0.6 million for WASM 3 - MEPA/Design/CA/RI all due consultants progress less than planned.
- \$0.4 million for Quinapoxet Dam Removal due to pending balancing credit change order.

Other Waterworks: Less than planned spending of \$5.0 million

- \$6.3 million for Local Financial Assistance due to less than anticipated net spending for the Community Water Loan Program.
- \$0.7 million for Steel Tank Improvements - Design/CA due to CA services less than anticipated.

- This under planned spending was partially offset by greater than planned spending of \$1.8 million for Steel Tank Improvements – Construction due to greater than anticipated contractor progress.

Water Distribution and Pumping: Greater than planned spending of \$4.1 million

- Greater than anticipated progress of \$3.1 million for Section 56 Replacement/Saugus River Construction, \$2.7 million for CP-2 NEH Improvements, \$2.5 million for Section 89/29 Replacement Construction and \$1.1 million for CP-2, Sections 25 & 24 Construction.
- This greater than planned spending was partially offset by less than planned spending of \$4.0 million for Section 75 and 47 Extension CP-1 Construction due to less than planned contractor progress, and \$0.8 million for NIH Storage Design CA/RI due to updated schedule.

Wastewater Treatment: Less than planned spending of \$3.5 million

- \$2.1 million for DITP As-Needed Design due to (lower than projected task order work).
- \$1.7 million for Clarifier Rehabilitation Phase 2 Construction and \$1.1 million for DITP Roofing Replacement due to contractors progress was less than anticipated.
- This under planned spending was partially offset by greater than planned spending of \$1.0 million for Digester & Storage Tank Rehabilitation Design/ESDC and \$0.4 million for HVAC Equipment Replacement - Design/ESDC due to consultant progress greater than anticipated.

Business & Operations Support: Less than planned spending of \$3.2 million

- \$1.4 million for As-Needed Design Contracts due to lower than projected task order work.
- \$0.6 million for Lawson Upgrade and \$0.5 million for Servers due to less than anticipated progress for implementation.
- \$0.5 million for Security Equipment & Installation due to project delays including upgrades to communication circuits and Incident Management System.

Combined Sewer Overflow: Less than planned spending of \$1.2 million

- \$1.0 million for Somerville Marginal New Pipe Connection due to contractor progress less anticipated.

Interception & Pumping: Less than planned spending of \$0.9 million

- \$2.6 million for Hayes Pump Station Rehab Construction due to contractor progress less than anticipated.
- This underspending was partially offset by work planned in FY25 that was completed in FY26 of \$1.3 million for West Roxbury Tunnel Inspection and \$0.5 million for the Braintree-Weymouth Improvements Construction contracts.

Drinking Water Quality Improvements: Less than planned spending of \$0.6 million

- \$0.6 million for CWTP Technical Assistance due to lower than projected task order work.

Please see Attachment B for detailed FY26 CIP variance explanations of all FY26 for projects.

Construction Fund Balance

The construction fund balance was \$119.8 million as of the end of October. Commercial Paper/Revolving Loan available capacity was \$135.0 million.

ATTACHMENTS:

Attachment 1 – Variance Summary October 2025

Attachment 2 – Current Expense Variance Explanations

Attachment 3 – Capital Improvement Program Variance Explanations

ATTACHMENT 1
FY26 Actuals vs. FY26 Budget

	Oct 2025 Year-to-Date				
	Period 4 YTD Budget	Period 4 YTD Actual	Period 4 YTD Variance	%	FY26 Approved
<u>EXPENSES</u>					
WAGES AND SALARIES	\$ 42,017,788	\$ 39,059,719	\$ (2,958,069)	-7.0%	\$ 133,658,992
OVERTIME	2,045,474	1,909,723	(135,751)	-6.6%	6,449,019
FRINGE BENEFITS	9,920,170	8,577,675	(1,342,495)	-13.5%	30,489,107
WORKERS' COMPENSATION	726,577	770,730	44,153	6.1%	2,179,730
CHEMICALS	7,231,760	7,118,259	(113,501)	-1.6%	19,307,228
ENERGY AND UTILITIES	9,833,490	10,361,344	527,854	5.4%	33,579,064
MAINTENANCE	13,555,157	13,456,196	(98,961)	-0.7%	43,622,667
TRAINING AND MEETINGS	216,094	171,817	(44,277)	-20.5%	689,741
PROFESSIONAL SERVICES	3,544,038	3,296,321	(247,717)	-7.0%	11,302,703
OTHER MATERIALS	1,793,133	1,927,587	134,454	7.5%	7,656,637
OTHER SERVICES	11,543,731	10,969,224	(574,507)	-5.0%	39,045,372
TOTAL DIRECT EXPENSES	\$ 102,427,412	\$ 97,618,595	\$ (4,808,818)	-4.7%	\$ 327,980,260
INSURANCE	\$ 1,807,614	\$ 1,701,461	\$ (106,153)	-5.9%	\$ 5,529,173
WATERSHED/PILOT	8,255,919	7,146,380	(1,109,539)	-13.4%	35,118,900
HEEC PAYMENT	2,332,264	2,337,639	5,375	0.2%	6,837,804
MITIGATION	611,069	611,069	-	0.0%	1,869,152
ADDITIONS TO RESERVES	643,217	643,217	-	0.0%	1,967,486
RETIREMENT FUND	26,347,117	26,347,117	-	0.0%	26,347,117
POST EMPLOYEE BENEFITS	-	-	-	---	5,349,182
TOTAL INDIRECT EXPENSES	\$ 39,997,200	\$ 38,786,883	\$ (1,210,317)	-3.0%	\$ 83,018,814
STATE REVOLVING FUND	\$ 26,031,249	\$ 26,031,249	\$ -	0.0%	\$ 84,683,758
SENIOR DEBT	81,689,238	81,689,238	-	0.0%	289,254,618
DEBT SERVICE ASSISTANCE	-	-	-	---	-
CURRENT REVENUE/CAPITAL	-	-	-	---	21,500,000
SUBORDINATE MWRA DEBT	30,389,957	30,389,957	-	0.0%	91,345,699
LOCAL WATER PIPELINE CP	-	-	-	---	10,208,818
CAPITAL LEASE	1,051,731	1,051,731	-	0.0%	3,217,060
VARIABLE DEBT	-	(1,227,918)	(1,227,918)	---	-
DEFEASANCE ACCOUNT	-	-	-	---	-
DEBT PREPAYMENT	-	-	-	---	8,500,000
TOTAL CAPITAL FINANCE EXPENSE	\$ 139,162,175	\$ 137,934,257	\$ (1,227,918)	-0.9%	\$ 508,709,953
TOTAL EXPENSES	\$ 281,586,787	\$ 274,339,735	\$ (7,247,053)	-2.6%	\$ 919,709,027
<u>REVENUE & INCOME</u>					
RATE REVENUE	\$ 287,287,250	\$ 287,287,250	\$ -	0.0%	\$ 878,761,000
OTHER USER CHARGES	4,843,745	4,897,529	53,784	1.1%	10,939,768
OTHER REVENUE	1,146,419	1,633,595	487,176	42.5%	6,675,834
RATE STABILIZATION	-	-	-	---	-
INVESTMENT INCOME	6,717,403	7,569,229	851,826	12.7%	23,332,425
TOTAL REVENUE & INCOME	\$ 299,994,817	\$ 301,387,603	\$ 1,392,786	0.5%	\$ 919,709,027

ATTACHMENT 2
Current Expense Variance Explanations

Total MWRA	FY26 Budget October	FY26 Actuals October	FY26 Actual vs. FY26 Budget		Explanations
			\$	%	
<u>Direct Expenses</u>					
Wages & Salaries	42,017,788	39,059,719	(2,958,069)	-7.0%	Wages and Salaries were lower than budget by \$3.0 million or 7.0. Through October, there were 91 fewer average FTEs (1,075 versus 1,166 budget), lower average new hire salaries versus retirees, the timing of backfilling vacant positions.
Overtime	2,045,474	1,909,723	(135,751)	-6.6%	Overtime expenses were lower than budget by \$136,000 or 6.6%. Lower than budgeted spending for the Field Operations Department (FOD) of \$81,000 due to less emergency overtime as a result of less rain events and planned overtime due to vacancies. Lower spending in TRAC of \$36,000, Engineering & Construction of \$14,000, and Occupational Health & Safety of \$15,000, all due to less than anticipated needs. Year-to-Date rainfall was a major contributor for the less than anticipated overtime.
Fringe Benefits	9,920,170	8,577,675	(1,342,495)	-13.5%	Fringe Benefits spending was lower than budget by \$1.3 million or 13.5%. This is primarily driven by lower Health Insurance costs of \$1.3 million, due to fewer than budgeted participants in health insurance plans, increased contribution by external new hires vs. lower contribution rates of staff retiring, and the shift from family to individual plans which are less expensive.
Worker's Compensation	726,577	770,730	44,153	6.1%	Worker’s Compensation expenses were greater than budget by \$44,000 or 6.1%. The variance is due to higher than budgeted expenses for Compensation Payments of \$77,000 and Administrative Expenses of \$9,000, partially offset by Medical Payments of \$42,000. Due to uncertainties of when spending will happen, the budget was spread evenly throughout the year.
Chemicals	7,231,760	7,118,259	(113,501)	-1.6%	Chemicals were lower than budget by \$114,000 or 1.6%. Lower Sodium Bisulfite of \$166,000 primarily driven by lower volume at DITP of \$86,000 due to lower quantities to dechlorinate the effluent which will be fine tuned as a result of new permit requirements, and Wastewater Operations of \$66,000 due to lower volume as a result of less than anticipated CSO activations. Lower Liquid Oxygen of \$77,000 due to lower dosing at Carroll Water Treatment Plant, Lower Activated Carbon of \$131,000 primarily in Wastewater Operations due to the timing of carbon change-outs, Lower Polymer of \$64,000 due to lower than expected secondary sludge production. This was partially offset by higher Hydrogen Peroxide of \$350,000 to reduce elevated H2S levels for odor pretreatment and corrosion control and allows staff to perform maintenance activities and ongoing tank work more safely within the tanks due to the low flows. DITP flows are 15.4% less than planned and the CWTP flows are 7.9% greater than planned through October. It is important to note that Chemical variances are also based on deliveries which in general reflect the usage patterns. However, the timing of deliveries is an important factor.

ATTACHMENT 2
Current Expense Variance Explanations

Total MWRA	FY26 Budget October	FY26 Actuals October	FY26 Actual vs. FY26 Budget		Explanations
			\$	%	
Utilities	9,833,490	10,361,344	527,854	5.4%	Utilities were higher than budget by \$528,000 or 5.4%. Higher than budgeted spending for Electricity of \$399,000 driven by Deer Island Treatment Plant (DITP) of \$541,000 which was primarily due to Eversource Energy for higher pricing. Field Operations was under budget by \$128,000 due to lower demand as a result of fewer wet weather events, resulting in less pumping. Higher spending for Water of \$140,000 primarily due to greater than projected water usage at DITP as a result of the DITP Primary and Secondary Clarifier Rehabilitation project.
Maintenance	13,555,157	13,456,196	(98,961)	-0.7%	Maintenance was lower than budget by \$99,000 or 0.7%. <i>Maintenance Services</i> were less than budget by \$1.2 million driven by Building and Grounds Services of \$823,000 due to less than anticipated services through October including invasives control, Pipe Services of \$248,000 due to less than anticipated services including paving and manhole rehabilitation, and Electrical Services of \$134,000 due to less than anticipated electrical services and testing. This underspending was partially offset by higher Computer Services of \$192,000 due to greater than anticipated spending through October. <i>Maintenance Materials</i> were greater than budget by \$1.1 million driven by higher Plant & Machinery Materials of \$514,000 due to greater than anticipated spending through October including the earlier than anticipated purchase of Reactor Mixer Gearbox 50 H.P. Replacement and Electrical Materials of \$230,000 also due to greater than anticipated spending through October.
Training & Meetings	216,094	171,817	(44,277)	-20.5%	Training & Meetings were lower than budget by \$44,000 or 20.5% primarily due to less than anticipated spending on meetings and conferences driven by MIS (\$30,000), Admin Director's Office (\$25,000), Procurement (\$11,000), partially offset by FOD of \$48,000 and Operations Administration of \$19,000.
Professional Services	3,544,038	3,296,321	(247,717)	-7.0%	Professional Services were lower than budget by \$248,000 or 7.0% driven by lower Computer Systems Consultant of \$212,000, Other Services of \$111,000, both due to less than anticipated spending through October. These were partially offset by greater than anticipated spending for Legal of \$100,000 and Lab & Testing Analysis of \$82,000 through October.
Other Materials	1,793,133	1,927,587	134,454	7.5%	Other Materials spending was higher than budget by \$134,000 or 7.5% driven by Vehicle Purchases/Replacements of \$573,000 due to earlier than anticipated purchases through October, partially offset by Computer Hardware of \$305,000 due to less than anticipated purchases through October, Other Materials of \$139,000 due to less than anticipated materials purchases including gravel purchases, and Vehicle Expense of \$103,000 due to less than anticipated spending driven by lower fuel prices.
Other Services	11,543,731	10,969,224	(574,507)	-5.0%	Other Services were lower than budget by \$575,000 or 5.0% driven by lower than anticipated expenses through October for Memberships/Dues/Subscriptions of \$329,000 and Telecommunications of \$315,000, and Grit & Screenings Removal of \$135,000 primarily due to lower quantities.
Total Direct Expenses	102,427,412	97,618,595	(4,808,817)	-4.7%	

ATTACHMENT 2
Current Expense Variance Explanations

Total MWRA	FY26 Budget October	FY26 Actuals October	FY26 Actual vs. FY26 Budget		Explanations
			\$	%	
Indirect Expenses					
Insurance	1,807,614	1,701,461	(106,153)	-5.9%	Lower premiums of \$183,000 partially offset by higher payments/claims of \$77,000 than budgeted.
Watershed/PILOT	8,255,919	7,146,380	(1,109,539)	-13.4%	Lower Watershed Reimbursement is \$1.1 million less than budget driven by lower spending on Wages & Salaries, Maintenance, and Fringe Benefits.
HEEC Payment	2,332,264	2,337,639	5,375	0.2%	HEEC True up.
Mitigation	611,069	611,069	-	0.0%	
Addition to Reserves	643,217	643,217	-	0.0%	
Pension Expense	26,347,117	26,347,117	-	0.0%	
Post Employee Benefits	-	-	-		
Total Indirect Expenses	39,997,200	38,786,883	(1,210,317)	-3.0%	
Debt Service					
Debt Service	139,162,175	137,934,257	(1,227,918)	-0.9%	Capital Financing was \$1.2 million less than budget due to lower than projected variable interest expense.
Debt Service Assistance	-	-	-		
Total Debt Service Expenses	139,162,175	137,934,257	(1,227,918)	-0.9%	
Total Expenses	281,586,787	274,339,735	(7,247,051)	-2.6%	
Revenue & Income					
Rate Revenue	287,287,250	287,287,250	-	0.0%	
Other User Charges	4,843,745	4,897,529	53,784	1.1%	Primarily higher than estimated DI water.
Other Revenue	1,146,419	1,633,595	487,176	42.5%	Other Revenue was \$487,000 or 42.5% greater than budget due to Energy Revenue of \$478,000, Miscellaneous Revenue of \$61,000, partially offset by Profit & Loss on Disposal of Equipment of \$65,000.
Rate Stabilization	-	-	-		
Investment Income	6,716,403	7,569,229	852,826	12.7%	Investment Income is over budget due to higher than assumed interest rates.
Total Revenue	299,993,817	301,387,603	1,393,786	0.5%	
Net Revenue in Excess of Expenses	18,407,030	27,047,868	8,640,837		

ATTACHMENT 3
FY26 CIP Variance Report (\$000s)

	FY26 Budget October	FY26 Actuals October	Actuals vs. Budget		Explanations
			\$	%	
Wastewater					
Interception & Pumping (I&P)	\$6,937	\$6,023	(\$915)	-13.2%	<u>Less than planned spending</u> Hayes Pump Station Rehab - Construction: \$2.6M (contractor progress less than anticipated) <u>Greater than planned spending</u> West Roxbury Tunnel Inspection: \$1.3M, Braintree-Weymouth Improvements Construction: \$481k and IPS Transformer Replacement: \$270k (work planned in FY25 performed in FY26)
Treatment	\$23,504	\$19,998	(\$3,506)	-14.9%	<u>Less than planned spending</u> DITP As-Needed Design: \$2.1M (lower than projected task order work) Clarifier Rehabilitation Phase 2 Construction: \$1.7M and DITP Roofing Replacement: \$1.1M (contractors' progress less than anticipated) <u>Greater than planned spending</u> Digester & Storage Tank Rehabilitation Design/ESDC: \$956k and HVAC Equipment Replacement - Design/ESDC: \$409k (consultants' progress greater than anticipated) Digester Cover Replacement: \$289k (contractor progress greater than anticipated)
Residuals	\$0	\$133	\$133	n/a	
CSO	\$2,526	\$1,320	(\$1,207)	-47.8%	<u>Less than planned spending</u> Somerville Marginal New Pipe Connection: \$1.0M (contractor progress less than anticipated)
Other Wastewater	\$13,127	\$2,643	(\$10,484)	-79.9%	<u>Less than planned spending</u> I/I Local Financial Assistance: \$10.5M (less than anticipated requests for community grants and loans)
Total Wastewater	\$46,095	\$30,116	(\$15,979)	-34.7%	

ATTACHMENT 3
FY26 CIP Variance Report (\$000s)

	FY26 Budget October	FY26 Actuals October	Actuals vs. Budget		Explanations
			\$	%	
Waterworks					
Drinking Water Quality Improvements	\$1,052	\$480	(\$572)	-54.4%	<u>Less than planned spending</u> CWTP Technical Assistance: \$584k (lower than projected task order work)
Transmission	\$19,358	\$13,500	(\$5,859)	-30.3%	<u>Less than planned spending</u> CP2 Shaft 5 Construction and REI: \$1.2M, Waltham Water Pipeline Construction and REI: \$1.0M, and Wachusett Lower Gatehouse Pipe & Boiler Replacement Construction: \$911k (contractors' progress less than anticipated) Metropolitan Water Tunnel Program Final Design/ESDC: \$1.1M, Geotechnical Support Services: \$684k and WASM 3 - MEPA/Design/CA/RI: \$609k(consultants' progress less than planned) Quinapoxet Dam Removal - Construction: \$387k (pending balancing credit change order) <u>Greater than planned spending</u> Land Acquisition: \$334k (greater than antipated land acquisitions)
Distribution & Pumping	\$15,726	\$19,795	\$4,069	25.9%	<u>Greater than planned spending</u> Section 56 Replacement/Saugus River - Construction: \$3.1M, CP-2 NEH Improvements: \$2.7M, Section 89/29 Replacement Construction: \$2.5M and CP-2, Sections 25 & 24 - Construction: \$1.1M (greater than planned contractor progress) <u>Less than planned spending</u> Section 75A and 47 Extension - CP-1 Construction: \$4.0M (less than planned contractor progress) NIH Storage - Design CA/RI:\$780k (updated schedule)
Other Waterworks	\$1,844	(\$3,152)	(\$4,996)	n/a	<u>Less than planned spending</u> Local Water Pipeline Financial Assistance Program: \$6.3M (less than anticipated net spending for the Community Water Loan Program) Steel Tank Improvements - Design/CA: \$673k (CA services less than anticipated) <u>Greater than planned spending</u> Steel Tank Improvements - Construction: \$1.8M (greater than planned contractor progress) CWTP SCADA Upgrades - Design, Programming, RE: \$352k (consultant progress greater than anticipated)
Total Waterworks	\$37,981	\$30,623	(\$7,358)	-19.4%	

ATTACHMENT 3
FY26 CIP Variance Report (\$000s)

	FY26 Budget October	FY26 Actuals October	Actuals vs. Budget		Explanations
			\$	%	
Business & Operations Support					
Total Business & Operations Support	\$6,364	\$3,207	(\$3,157)	-49.6%	<u>Less than planned spending</u> As-Needed Design Contracts: \$1.4M (lower than projected task order work) Lawson Upgrade: \$635k and Servers v.2: \$500k (less than anticipated progress for implementation) Security Equipment & Installation: \$482k (delays with projects including upgrades to communication circuits and Incident Management System) <u>Greater than planned spending</u> FY24-28 Vehicle Purchases: \$329k (greater than anticipated vehicle purchases)
Total MWRA	\$90,440	\$63,946	(\$26,494)	-29.3%	

STAFF SUMMARY

TO: Board of Directors
FROM: Frederick A. Laskey, Executive Director
DATE: November 19, 2025
SUBJECT: Modeling Massachusetts Bay Water Quality
Four Peaks Environmental Science & Data Solutions LLC
Contract OP-499



COMMITTEE: Wastewater Policy & Oversight

Rebecca Weidman, Deputy Chief Operating Officer
David Wu, Director, Environmental Quality
Claudia Mazur, Ph.D., Project Manager
Preparer/Title

 INFORMATION
 X VOTE


Michele S. Gillen

Director of Administration


Kathleen M. Murtagh, P.E.
Chief Operating Officer

RECOMMENDATION:

To approve the recommendation of the Selection Committee to award Contract OP-499, Modeling Massachusetts Bay Water Quality, to Four Peaks Environmental Science & Data Solutions LLC in the amount of \$190,509.84 for a contract term of 48 months from the Notice to Proceed.

DISCUSSION:

This contract will provide services for marine water quality modeling related to the Deer Island Treatment Plant effluent outfall in Massachusetts Bay in accordance with Deer Island's National Pollutant Discharge Elimination System (NPDES) permit, which states that MWRA must "update, maintain, and run the three dimensional hydrodynamic water quality 'Bays Eutrophication Model' developed in 1995 by Hydroqual, Inc. and the U.S. Geological Survey (USGS), on a routine basis (at least every year), for the purpose of predicting conditions caused by nutrient loading and in order to support decisions about the need for nutrient limits and the appropriate level of any such limit for the discharge."

Hydroqual and the USGS developed the original model in the mid-1990s. Simulations of years since 2008 have not run the original Hydroqual/USGS model and instead have used very similar configurations of more recent model software with consent from the Environmental Protection Agency (EPA) and the Massachusetts Department of Environmental Protection (MassDEP). For 2000-2005 conditions, University of Massachusetts Boston completed the modeling requirements under a cooperative research agreement; for 2006-2016 conditions, University of Massachusetts Dartmouth completed the modeling requirements under a series of sole source contracts; and for 2017-2024 conditions, Deltares USA completed the modeling requirements under consecutive competitively awarded contracts.

Contract OP-499 will have a 48-month term, from 2025 to 2029 and include the next sequence of NPDES permit required routine modeling and reporting for the 2025-2028 period. This contract

was structured based on the existing NPDES permit. While MWRA does not have a timeline for the final issuance of the 2023 draft NPDES permit for Deer Island, the contract can be modified or terminated based on any new conditions in a new final Deer Island permit.

The scope of services for this contract outlines the primary objectives: to model and report on conditions for the 2025–2028 period; and, to update the modeling tools, including clear documentation and user instructions to support future use by others and MWRA. The contract also includes a task order allowance of \$55,000 to cover any additional services required by MWRA to advance the project. Examples of potential task order activities include conducting and reporting on one or more synthesis/application simulations to address new topics of interest identified during the contract period; and performing maintenance and updates to modeling scripts as needed. These efforts will ensure continued model improvement, functionality, and reliability.

As in previous contracts, the scope of services was designed to ensure that, at the end of the contract, MWRA will have ownership of all aspects of the model (software license and documentation), as well as the ability to run the model using MWRA computational resources in future years without interruption. In addition, the scope of services was designed to position MWRA to independently conduct future modeling after the contract has ended.

Procurement Process

On September 2, 2025, MWRA issued a one-step Request for Qualifications/Proposals (RFQ/P), which was publicly advertised in the Goods and Services Bulletin, the Boston Herald, Banner Publications, the Dorchester Reporter, and El Mundo. In addition, a notice was sent directly to 35 individuals from a broad range of consulting firms and universities. Twenty-three firms requested the RFQ/P documents. On October 3, 2025, two proposals were received from Deltares USA and Four Peaks Environmental Science & Data Solutions LLC.

The RFQ/P included the following evaluation criteria and points: Cost (25 points); Qualifications and Key Personnel (25 points); Experience, Past Performance on Similar Non-Authority Projects, Past Performance on Authority Projects (25 points); Capacity/Organization and Management Approach (15 points); and Technical Approach (10 points).

The following table represents the proposed costs. The independent budget estimate prepared by staff was \$212,800. This budget estimate was based on the previous contract costs with a 3% increase over four years.

Proposer	Cost
Four Peaks Environmental Science & Data Solutions LLC	\$190,509.84
<i>Staff Estimate</i>	<i>\$212,800.00</i>
Deltares USA, Inc.	\$278,025.61

The Selection Committee met on October 30, 2025 to evaluate and rank the proposals. The results of the Selection Committee’s evaluation and ranking are presented below:

Proposer	Total Final Score	Ranking
Four Peaks Environmental Science & Data Solutions LLC	466.30	1
Deltares USA, Inc.	416.95	2

The cost of the recommended proposal from Four Peaks was lower than the staff's estimate by 10.5%. The Committee believes that this is primarily because Four Peaks staff have experience with the model during the current contract as a subconsultant to the incumbent firm and can complete the work efficiently. Additionally, detailed work plans made it clear that Four Peaks understood the requirements of the scope of services. Deltares USA, who is the incumbent on the current contract, presented a proposal that was 30.7% higher than the staff's estimate. This cost discrepancy was largely due to higher cost associated with report writing. The salary rates in both proposals are generally consistent with those used in the staff estimate.

MWRA staff contacted the references provided by both proposers. Each gave positive evaluations of the firms. In addition, Four Peak's references did not indicate any potential project management problems on projects where the firm was the lead consultant. The references gave Four Peaks excellent reviews for project management, technical knowledge, and compliance with both the relevant project schedule and budget.

The Selection Committee was impressed with the qualifications of both proposers' key personnel. All proposed staff hold advanced degrees and possess extensive relevant experience with several key personnel demonstrating strong records of successful project management on similarly large and complex efforts. Four Peaks stood out for the team's strong qualifications and extensive expertise in both hydrodynamic modeling and water quality modeling, which the Selection Committee found highly relevant to the nature of the project. Deltares USA's team proposed personnel whose experience was more focused on hydrodynamic modeling without specific expertise in water quality.

Both Deltares USA and Four Peaks have current, relevant experience working on MWRA's Bays Eutrophication Model. This experience was considered to be significant by the Selection Committee due to their direct familiarity with the model. The Selection Committee was pleased to see past work on comparable water quality models in similar ecosystems, especially Four Peak's work with the San Francisco Estuary Institute. This work resulted in a model of San Francisco Bay to evaluate water quality and nutrient impacts. Deltares USA developed a model of the Gulf of Saint Vincent for SA (South Australia) Water examining seagrass habitat. While this SA Water model was considered relevant, the Four Peaks San Francisco Bay model has very similar goals to the Bays Eutrophication Model.

MWRA staff contacted the references provided by both proposers. Each gave positive evaluations of the firms. Evaluations of capacity were generally favorable with the Selection Committee emphasizing the continuity of model execution as a particular strength for both firms. However, the Committee expressed concerns that the Deltares USA Project Manager appeared to be assuming both managerial and technical responsibilities. No such concerns were identified for Four Peaks.

Additionally, Selection Committee members noted that Four Peaks executed most of the modeling and reporting tasks on the current Bays Eutrophication Model contract. Regarding the technical approach, the Selection Committee found both firms' approaches to be sound and had no substantive criticisms. Further, low cost, water quality modeling expertise, and capacity were identified as the biggest advantages of the Four Peaks proposal. Based on the overall ranking, the Selection Committee recommends the award of this contract to Four Peaks Environmental Science & Data Solutions LLC in an amount not to exceed \$190,509.84.

BUDGET/FISCAL IMPACT:

Sufficient funds for this contract are included in the Environmental Quality FY26 Current Expense Budget under Account 22500-10602.

MBE/WBE PARTICIPATION:

There are no MBE or WBE participation requirements for this contract due to the limited opportunities for subcontracting.

STAFF SUMMARY

TO: Board of Directors
FROM: Frederick A. Laskey, Executive Director
DATE: November 19, 2025
SUBJECT: Boiler and Water Heater Service
American Refrigeration Company, LLC
Contract OP-463, Change Order 2



COMMITTEE: Wastewater Policy and Oversight

Brian M. Davern, Project Manager, Service Contracts
Michael L. Costa, Senior Program Manager, Metro Trade
John T. Parkhurst, Director, Wastewater
Preparer/Title

 INFORMATION
 X VOTE


Kathleen M. Murtagh, P.E.
Chief Operating Officer

RECOMMENDATION:

To authorize the Executive Director, on behalf of the Authority, to approve Change Order No 2 to Contract OP-463, Boiler and Water Heater Service, with American Refrigeration Company, LLC for a not-to-exceed amount of \$248,000, increasing the contract amount from \$707,650 to \$955,650, with no increase in contract term.

Further, to authorize the Executive Director to approve additional change orders as may be needed to Contract OP-463 in an amount not-to-exceed the aggregate of \$150,000 in accordance with the Management Policies and Procedures of the Board of Directors.

DISCUSSION:

Contract OP-463 provides annual preventive maintenance services, and non-emergency and emergency repair services for boiler and water heaters located at various MWRA facilities, including four headwork facilities, ten wastewater pump stations, four combined sewer overflow facilities, the Chelsea Screen House, seven water pumping stations, and the two Chelsea facility buildings.

This contract includes provisions for emergency repair work with a required response time to ensure that downtime is minimized. There is also a provision for non-emergency repair work to address as needed, non-critical corrective maintenance. MWRA has been contracting these services for more than 20 years.

This Change Order

Change Order 2 is required to support unanticipated boiler replacements and repairs at three facilities. Changes to the replacement parts allowance and onsite repair hours are required to support this work.

Replacement Parts

Not-to-Exceed \$140,000

The contract included an allowance for Replacement Parts in the amount of \$160,000. Change Order 1 increased this line item by \$60,000 due to unanticipated repairs at several locations, such as the replacement of the Smith Boiler that had failed at the Clinton Wastewater Treatment Plant. Staff estimate that an additional \$140,000 will be sufficient to cover necessary replacement parts relating to three additional large projects. These projects are: 1) replacement of the Skidmore Boiler feed system for Columbus Park Boiler 1 and replacement of three boiler sections and associated gaskets on the same boiler; 2) replacement of three sections of Boiler 1 at Ward Street Headworks; and, 3) the regasketing of the boiler at Caruso Pump Station and removing a 1-1/2-inch bypass valve that is restricting flow.

Onsite Non-Emergency (Unforeseen) Repairs

Not-to-Exceed \$108,000

The original contract included onsite non-emergency repairs from 7:00 a.m. to 3:00 p.m. for 1,800 hours at a unit price of \$160 per hour. The estimated quantity in the contract was based on historic usage. Change Order 1 increased this line item by \$40,000 (250 hours at \$160 per hour) due to several unanticipated repairs, including replacing the Smith Boiler at Clinton Wastewater Treatment Plant, installing a bypass pump at Chelsea Screen House, and replacing the gaskets and observation glass at Braintree-Weymouth Pump Station. However, additional hours are also required for the three large projects described above. These projects are required to maintain sufficient heating in the facilities and were unanticipated and, therefore, not included under this contract. These facilities have required more extensive repairs and replacements than estimated at the time of bid. Staff believe that an additional 675 hours will be sufficient to cover non-emergency (unforeseen) repairs during the remaining term of the contract, which ends October 21, 2026. As a result, this line item is requested to be increased by 675 additional hours at a unit price of \$160 per hour for a total of \$108,000.

These items were identified by MWRA staff as overruns in quantities. MWRA staff and the Contractor have agreed to an amount not-to-exceed \$248,000. The Contractor proceeded with this work at its own risk in order to complete the remainder of the contract work.

CONTRACT SUMMARY:

	<u>Amount</u>	<u>Time</u>	<u>Date</u>
Original Contract:	\$607,650	1095 Days	10/22/23
Change Orders:			
Change Order 1*	\$100,000	0 Days	10/20/25
Change Order 2	<u>\$248,000</u>	<u>0 Days</u>	Pending
Total of Change Orders:	<u>\$348,000</u>	<u>0 Days</u>	
Adjusted Contract:	\$955,650	1095 Days	

*Approved under delegated authority

If Change Order 2 is approved, the cumulative value of all change orders to this contract will be \$348,000 or 57% of the original contract amount. Work on this contract is approximately 66% complete.

BUDGET/FISCAL IMPACTS:

Funding for this work is included in the Field Operations Department's FY26 Current Expense Budget (CEB). Sufficient funds will be included in subsequent CEB requests for the remaining portion of this three-year contract.

MBE/WBE PARTICIPATION:

There were no MBE/WBE participation requirements established for this contract due to limited opportunities for subcontracting.

STAFF SUMMARY

TO: Board of Directors
FROM: Frederick A. Laskey, Executive Director
DATE: November 19, 2025
SUBJECT: Update on Lead and Copper Rule Compliance – Fall 2025

Frederick A. Laskey

COMMITTEE: Water Policy & Oversight

X INFORMATION
____ VOTE

Stephen Estes-Smargiassi, Director, Planning and Sustainability
Preparer/Title

Kathleen Murtagh
Kathleen M. Murtagh, P.E.
Chief Operating Officer

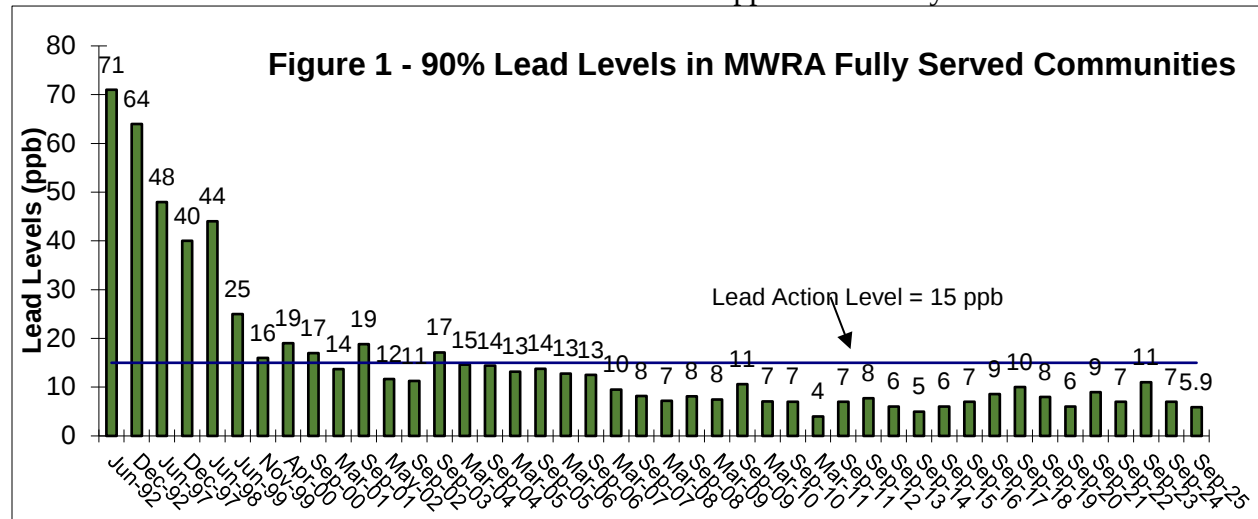
RECOMMENDATION:

For information only. This staff summary discusses results from the fall 2025 Lead and Copper Rule sampling round, and the status of MWRA's lead service line replacement program.

DISCUSSION:

Under the federal Lead and Copper Rule (LCR), each year MWRA and every fully supplied community are required to sample from homes *that are likely to have high lead levels*. These are usually homes with lead services or lead solder. The Environmental Protection Agency (EPA) requires that nine out of ten of the sampled homes have lead levels at or below the Action Level of 15 parts per billion (ppb).

MWRA and its communities conducted the 2025 LCR sampling round beginning in September 2024. The 90th percentile lead value for the system as a whole is 5.9 ppb. The MWRA system has been below the lead Action Level of 15 ppb in every round since 2004.



In addition to determining how the system performs as a whole, EPA and the Massachusetts Department of Environmental Protection (MassDEP) look at each individual community. Each

community is evaluated based on the samples collected in their community, typically 20 per community. During this sampling round, three communities, Boston, Malden and Medford, were individually over the lead Action Level and will need to take action as described below.

Due to EPA Region 1 and MassDEP requiring a heightened focus on sampling in homes with lead service lines, over the past several years the percentage of samples from homes with lead service lines has increased from approximately 40 percent of the sampling pool to approximately 65 to 70 percent. MWRA's data matches that of most other public water systems, in that homes with lead service lines are more likely to have elevated lead levels. In MWRA's sampling data, results from homes with lead service lines typically are three to five times higher than those from homes that have copper pipes with lead solder. In this sampling round, 18 out of 593 samples were above the lead Action Level; of the 18 samples above the Action Level, 15 were from homes with lead service lines. This data reinforces MWRA's prioritizing the accelerated replacement of all lead service lines, for both public health protection and compliance with the regulation.

Responses to Each High Sample:

Every sample over the lead Action Level is taken seriously. MWRA staff immediately contact the community, and the community contacts the resident within three days with the results. This includes providing information to the resident about the health risks of lead, and simple actions they can take. Within 30 days, the community follows up with the resident to offer to further investigate the possible causes of the elevated levels. In some cases, this results in the lead service line being replaced. In addition, within five days, MWRA sampling staff check the water in the vicinity to assess whether the pH and alkalinity meet MWRA's corrosion control targets. In each of the 18 cases, pH and alkalinity results were typical and within limits.

Community Response Actions:

As of October 2024, the Lead and Copper Rule Revisions (LCRR¹) now require that any public water system over the lead Action Level do a "Tier 1 Public Notice" within 24 hours of exceeding the lead Action Level. Based on EPA Region 1's changes to the MWRA sampling agreement, MWRA's communities have been "piloting" this requirement for several years, and MWRA and MassDEP staff have some experience in smoothly facilitating the notice.

Typically, the Public Notice requirement entails providing the public notification to news outlets, using community reverse 911, and posting the notice on its website within 24 hours, as well as publishing it in a newspaper within 14 days. MWRA provided technical assistance to each of the three communities in advance, as well as providing assistance in working with MassDEP.

Previous Public Notices have resulted in press coverage focused on the need to replace lead service lines, providing some additional impetus for homeowners to work with the communities to determine if they have a lead service line and to remove it. This fall, there has been relatively little media attention to the notices, although there were calls to both MWRA and the communities directly from concerned customers. The Boston Water and Sewer Commission (BWSC) provided an easy to understand context for the notice in the banner on its web page, and within the notice itself, explaining the issues around the presence of lead service lines and BWSC's efforts to identify and replace them at no cost to owners.

¹ There are actually two sets of overlapping changes to the LCR – the LCRR and the LCR Improvements – with changes implemented over the periods October 2024 and October 2027.

The three communities will also need to mail a Public Education brochure on lead in water to all of their customers. In addition to providing information on the health risks of lead, and practical steps a family can take to reduce lead exposure, the brochure encourages those with lead services to work with their water department to get the service line replaced. MWRA provides graphics and printing support for the brochure.

MWRA transmitted all the sample results to MassDEP and each community. The communities are required to transmit the results to each individual resident that collected a sample within 30 days. Lead data from all samples collected under the LCR since 1992, as well as under other programs, are posted on MWRA's website. [Lead | MWRA](#)

School and Childcare Sampling:

Under the LCR, MassDEP requires that each community collect samples from two schools or childcare facilities during each sampling round. Only two samples out of 124 (from 57 schools or childcare facilities tested) were above the lead Action Level. As with residential samples, MWRA staff immediately contact any community that has a school sample above the Action Level. All school data were provided to each community to transmit to the schools, and are available on DEP's online school database. A link to the DEP database is available on the MWRA webpage. [Lead Test Results | MWRA](#)

In addition to the testing done under the LCR, MWRA continues to offer no-cost laboratory analysis services to any of our customer communities that want to sample drinking water taps in schools or childcare facilities. The program is offered in coordination with the MassDEP's similar program. MWRA's laboratory has conducted over 47,000 tests from 717 schools and childcare facilities in 49 communities since 2016.

Under the revised LCR, beginning in 2028, communities will be required to conduct sampling in 20 percent of elementary schools and licensed childcare facilities each year. This will be a substantial increase in community and MWRA workload.

CHANGES TO EPA'S LEAD AND COPPER RULE:

There have been some important recent changes to the regulatory requirements, as previously presented to the Board over the past several years, and some upcoming deadlines of note. Each community developed and submitted to MassDEP an inventory of all of its service lines in October 2024. Then by November 2024, they mailed informational letters to every property with a lead service line (LSL), certain galvanized lines and any line for which the community did not have full information on its material (unknowns). All MWRA communities met those deadlines. Each community will need to do the same notice each year by the end of December, based on its updated inventory. Staff are providing reminders to communities of these requirements.

An updated service line inventory at the end of 2027 will set the baseline for the mandatory LSL replacement rates. Staff are working with communities to prioritize resolving any unknowns in their system, and to ramp up replacement programs toward MWRA's goal of replacing all LSL by the end of 2032. Communities will need to submit a formal LSL replacement plan to MassDEP by the end of 2027, including how they will meet the many new requirements for communicating

with customers, managing the required specifics of the replacement process, and documenting and certifying all of their efforts.

Several changes after 2027 will likely increase reported lead levels and increase the risk of exceeding the Action Level. If a community has LSLs, it must sample at those homes. Samples taken at homes with a LSL will include taking five consecutive samples and using the highest of the first or fifth sample taken in calculating the lead level for that home, and the lead Action Level will be reduced to 10 ppb from 15 ppb.

Deferral of Corrosion Control Changes with Accelerated Lead Service Line Replacement

After 2027, if system-wide results indicate that MWRA is over the lead Action Level, MWRA would be required to re-evaluate its corrosion control treatment. MWRA proactively proceeded with such a review to avoid being forced into an abbreviated schedule and potentially fewer reliable findings. A final report is anticipated in early 2026. The report will indicate that switching treatment would slightly reduce lead levels, and that MWRA's outside expert reviewers felt that accelerating LSL replacement was a higher priority and a more effective public health risk reduction strategy. However, if MWRA exceeds the new lower lead Action Level, the default regulatory requirement would be for MWRA to change treatment.

As discussed at the February, May, and November 2024 presentations to the Board of Directors, EPA recognized that evaluating, designing and constructing changes to corrosion control treatment takes about five years, and that accelerating LSL replacement is an important public health goal. The final changes to the LCR include a provision that a public water system that exceeds the lead Action Level can defer proceeding with changes to its corrosion control treatment if it commits to replacing all of its lead service lines within five years, at a rate of 20 percent per year.

Corrosion control treatment is complex, affects many other aspects of treatment, and has complicated short-term and long-term interactions with materials within the distribution system and even home plumbing. To avoid the uncertainty and potential inadvertent negative impacts of treatment changes, MWRA expects to avail itself of this accelerated replacement provision.

MWRA has set a goal of full replacement of all LSLs by the end of 2032 (five years after the LCR Improvements comes into effect) and staff are working with member communities to accelerate LSL replacement toward that goal. The changes to the financial assistance program to include a 25 percent grant to those communities fully funding full LSL replacement at no cost to the homeowner went into effect in July 2024, and have been extensively publicized to member communities with training classes jointly sponsored by the Advisory Board as well as individual outreach efforts to every community.

UPDATE ON LEAD SERVICE LINE REPLACEMENT PROGRAM

As described above, the new program was launched in 2024, and substantial outreach has occurred and is occurring. Since that expansion, 12 communities have applied for and received \$21.07 million in funding (\$4.54 million of that is grants) to:

- o replace 1,570 LSLs;
- o replace 172 lead goosenecks; and
- o conduct 1,665 test pits to determine unknown service line materials.

An additional \$7.5 million is anticipated to be distributed by the end of 2025 to fund two additional projects.

Since the inception of the Lead Service Line Replacement Program in 2016, 21 MWRA water communities have received a total of \$64.85 million in funding to support 62 projects through MWRA's Lead Service Line Replacement Program. MWRA-funded projects to date include:

- o 9,517 LSLs replaced;
- o 1,579 lead goosenecks replaced; and
- o 4,131 unknowns identified.

In addition to work funded through MWRA's Lead Service Line Replacement Program, communities also continue to replace LSLs using other MWRA loan funds, local funds, or state revolving loans.

MWRA community service line inventory submittals to MassDEP in October 2024 (and reviewed and approved as of the spring) showed a total of 524,810 service lines. MWRA communities had 14,078 known LSLs (2.7%), 2,856 galvanized requiring replacement (GRR) lines (0.5%), and 75,050 unknown material lines (14%). MWRA staff are encouraging communities to prioritize replacing LSL and GRR lines, and to make substantial progress on resolving the material for those service lines identified as unknown material². Both those communities with a large number of lines in those categories, and those with only a few LSLs are the initial focus of highest attention.

If a community is able to replace all of its LSLs, it is likely that their sampling results will show fewer elevated samples, contributing to a lower local 90th percentile and helping the regional 90th percentile go down. That community will also be subject to far fewer new requirements under the LCR Improvements after 2027. For example, with \$750,000 of MWRA funding, Marlborough was able to replace its remaining 22 LSLs and 16 GRRs and identify 21 unknowns, completing their obligations under the revisions to the LCR.

Two of the communities with large numbers of LSLs and unknowns are Malden and Medford. Malden continues to make progress in its program and is now offering private side replacements at no cost. It reports that the number of LSLs has decreased from 2,460 in October 2024 to 2,193 now, about an 11 percent reduction and reduced its unknowns by 244, about a 35 percent reduction. As of August, Medford has reduced its unknowns by 536, about a 12 percent reduction, and LSLs by 288, about a six percent reduction. While both are making good progress, they will need to increase their replacement rates to meet the 2032 goal.

A number of communities are reporting large numbers of "unknown" material service lines, which will complicate initial attempts to understand the full universe of service lines that will need to be replaced per year to meet the 2032 goal. Communities can use MWRA loan programs in their efforts to identify the actual material of unknown lines.

² The revised LCR does not require the proactive replacement of the short connector piece called a lead gooseneck. It does require that systems replace the gooseneck when "encountered," typically during main replacement or repair. MWRA encourages communities to use their MWRA Local Water System Assistance Program loan funds for this purpose.

BUDGET/FISCAL IMPACTS:

The FY26 CIP includes \$200 million of which approximately \$135.5 million remains and is available in the approved Lead Service Line Replacement Loan and Grant Program, which is currently anticipated to be sufficient to replace all the currently known LSLs in the MWRA water service area. Interest costs are budgeted in the current expense budget.

STAFF SUMMARY

TO: Board of Directors
FROM: Frederick A. Laskey, Executive Director
DATE: November 19, 2025
SUBJECT: Emergency Water Supply Agreement with the Town of Wayland



COMMITTEE: Water Policy & Oversight

 INFORMATION

 X VOTE

Rebecca Weidman, Deputy Chief Operating Officer
Colleen Rizzi, P.E., Director, Env and Regulatory Affairs
Preparer/Title



Kathleen M. Murtagh, P.E.
Chief Operating Officer

RECOMMENDATION:

To authorize the Executive Director, on behalf of the Authority, and contingent upon approval of the MWRA Advisory Board, to execute an Emergency Water Supply Agreement with the Town of Wayland for a period of up to six months, substantially in the form set forth in Attachment A, hereto.

DISCUSSION:

The Town of Wayland (“Town” or “Wayland”), acting through its Department of Public Works, submitted a request to MWRA for emergency water withdrawal under MWRA’s Operating Policy No. OP.05: *Emergency Water Supply Withdrawals*, which applies to communities outside MWRA’s Water Service Area that are seeking MWRA water on an emergency basis. Under OP.05, MWRA may approve short-term emergency connections for up to 60 calendar days. Further, emergency connections lasting longer than 60 calendar days and up to six-months require MWRA Board approval, as well as MWRA Advisory Board approval for second and subsequent six-month withdrawal periods. This is the Town’s third emergency withdrawal. Upon approval, long-term emergency connections are subject to the implementation of a six-month Emergency Water Supply Agreement.

On November 5, 2025, one of the Town’s larger water supplies and treatment facility, Baldwin Pond Treatment Plant, experienced failures associated with its Ultra-Low Air Dryers. The Town operates a pair of these dryers as part of its ozone treatment system. Without these dryers in operation, the ozone system cannot be operated, which requires Wayland to take the plant out of service. Recent service calls to repair the dryers have resulted in a makeshift solution that is not sustainable and could fail again at any moment. With an imminent failure likely, the Town requested activation of an existing emergency connection to MWRA’s Hultman Aqueduct, until backordered parts arrive sometime later in November. For this reason, it was very likely that the Baldwin Pond Treatment Plant would become inoperable, and the Town would need to supplement its remaining supplies with MWRA water from the emergency connection. On average, the Baldwin Pond Treatment Plant produces about 550,000 gallons per day (gpd) of finished water, which would be replaced with MWRA water should the plant be taken out of service. Wayland

staff are taking every step possible to optimize its remaining supplies.

OP.05 requires that an emergency declaration from MassDEP be in effect to authorize emergency withdrawals from the MWRA water system. According to MassDEP, an Emergency Declaration No. 0021193 issued to the Town on August 26, 2025, remains in effect and can be utilized for this current situation.

On November 5, 2025, MWRA staff authorized the Town, pursuant to OP.05, to activate its emergency connection for up to 30 days to ensure it had adequate water supply, with the understanding that MWRA staff would request a contract for up to six months at the November 19, 2025, Board meeting, and approval from the MWRA Advisory Board at its next meeting on November 20, 2025. The Town activated the emergency connection on November 7, 2025.

Wayland's Previous Emergency Withdrawals

Wayland's Summer of 2025 Emergency Connection Request

Beginning on August 26, 2025, the Town previously activated its emergency connection to MWRA due to a piping failure at its Happy Hollow PFAS Treatment Plant, forcing the Town to shut down the treatment facility. This facility is the largest water supply for the Town and without it, the Town was unable to meet water demands. This was Wayland's second request to activate its emergency connection to MWRA, which required the issuance of a MassDEP Emergency Declaration and approval of the MWRA Advisory Board.

MWRA's OP.05 includes the following waiver provision: "The MWRA may, in its discretion, waive any of the conditions or requirements set forth in the Policy and Procedure, not otherwise mandated by law or regulation, if it finds that the community has demonstrated unusual factors or extraordinary circumstances that would make imposition of the condition or requirement upon that community unfair or inappropriate and that the proposed action will not jeopardize the MWRA's ability to supply its existing water communities." Given the severity of the situation and concern for public health and safety, MWRA approved the emergency connection with written confirmation that the Emergency Declaration was pending and the Advisory Board supported MWRA staff's recommendation to approve the emergency connection. Staff notified the MWRA Board of Directors of the approval on August 26, 2025, and authorized Wayland to activate its emergency connection that evening. The Town's Emergency Declaration was issued by MassDEP on August 26, 2025 (see Attachment B) and the MWRA Advisory Board approved the emergency water supply during a meeting on August 28, 2025.

The Town withdrew water from MWRA within the 60-day approval. Wayland did not anticipate further withdrawals at the expiration of the approval period.

Wayland's 2024 Emergency Connection Request

Beginning July 25, 2024, the Town activated its emergency connection to MWRA due to a positive E. Coli sample in the raw water of its Chamberlain Well. Concurrently the Town was conducting maintenance and repairs to the Happy Hollow PFAS Treatment Plant. MassDEP's Emergency Declaration expired upon completion of the Town's work, or September 30, 2024, whichever was sooner. MWRA entered into an Emergency Water Supply Agreement with Wayland and per OP.05 considered this the Town's Period One Emergency Supply Agreement.

Emergency Water Supply Approval Criteria and Requirements

OP.05 sets forth withdrawal criteria and requirements. Compliance with key criteria/requirements associated with the Town's request are as follows:

- *Personnel with authority to approve:* the Executive Director, Chief Operating Officer, or Deputy Chief Operating Officer are authorized to approve the emergency use of MWRA water through an existing or temporary connection to the MWRA or an MWRA water system community by a non-MWRA water system or facility for a period not to exceed 60 calendar days.
- *Emergency connections lasting longer than 60 days and up to six months require MWRA Board of Directors' approval for the first instance, and both Board of Directors' and MWRA Advisory Board approval for subsequent withdrawal periods.* These long-term emergency connections are subject to an Emergency Water Connection Agreement between the community and MWRA.
- *MassDEP must declare a water supply emergency exists in the requesting community.* MassDEP issued an Emergency Declaration on August 26, 2025, that is in effect until February 26, 2026.
- *There must be no negative impact on MWRA's system and member communities.* The Town's withdrawal will not have a negative impact on MWRA's system. The emergency connection is located on MWRA's watermain at a pump station designed and constructed by Wayland in the event they needed an emergency water supply. The Town completed a hydraulic analysis during design to ensure the emergency pump station would meet water demands and not cause adverse impacts on the Town distribution system and MWRA analyzed the connection and impacts of withdrawal before approving the connection.
- *A long-term plan to remedy supply deficiencies must be developed.* The Town started the process for supplemental water supply from the MWRA water system as a long-term supply. The Town has been coordinating with MWRA to determine an appropriate connection location to the MWRA water system and associated pipe route. The Town is currently working on the design and will begin the environmental review process once the pipeline route and impacts are fully defined.
- *The applicant community does not use MWRA water supply as a chronic emergency backup supply without equitable contribution for the fair asset value of the MWRA waterworks system.* This is the third emergency supply withdrawal period for the Town. The Town is required to pay 110% of 2/3 net asset value. Should the Town request subsequent emergency withdrawals, those withdrawal periods require additional asset value contributions, as outlined in OP.05.
- *The Community must submit a detailed description of water conservation and water accountability programs undertaken.* The Town implements water conservation and demand management strategies and is working toward meeting the requirements of its 2021 Water Management Act permit to lower unaccounted for water percentages (from 10.6% to 10% or less) and residential gallons per capita day (RGPCD) water demands from 68 RGCPD to 65 RGCPD or less. Strategies include annual leak detection, annual water meter testing, rapid leak repair, tiered water billing, seasonal water bans, and periodic water conservation

outreach.

Contents of Proposed Emergency Water Supply Agreement

The proposed Emergency Water Supply Agreement (“Agreement”) limits water withdrawals to a maximum rate of 1.0 millions gallons per day (mgd), with an expected average withdrawal of 0.5 mgd. The proposed term of the Agreement will be for the period of November 5, 2025, through February 5, 2026, unless terminated sooner because a MassDEP Declaration of Water Supply Emergency is no longer in place, or other exigent circumstances. Pursuant to the Agreement, all withdrawals must be metered. The Agreement also requires the Town to adhere to all conditions and requirements contained in the MassDEP Declaration of Water Supply Emergency. The Agreement reflects MWRA’s charges for emergency withdrawals, including a 10% premium charge added to the prevailing rate and the required net asset value contribution.

Status of Admission Process

Wayland is seeking admission to the MWRA water supply system and will soon begin the environmental review process. The Town has coordinated closely with MWRA as they developed connection and pipeline alternatives.

BUDGET/FISCAL IMPACT:

Pursuant to OP.05, water taken for the third emergency withdrawal period is charged at 110% of the MWRA prevailing rate, and 110% of 2/3 of the net asset value. MWRA will review actual use information to determine and assess the charges. The volume of the emergency withdrawals and therefore the amount of revenue MWRA will receive cannot be projected at this time.

ATTACHMENTS:

Attachment A: Proposed Emergency Water Supply Agreement

Attachment B: MassDEP Emergency Declaration

EMERGENCY WATER SUPPLY AGREEMENT – PERIOD THREE
BETWEEN
THE MASSACHUSETTS WATER RESOURCES AUTHORITY
AND
THE TOWN OF WAYLAND

Parties.

This Emergency Water Supply Agreement (“Agreement”) is entered into by and between the Massachusetts Water Resources Authority (“MWRA”), and the Town of Wayland (“Wayland”) hereinafter jointly referred to as the “Parties.” This Agreement documents the agreement and understanding of the Parties regarding the arrangement whereby MWRA will supply water to Wayland through an emergency connection Wayland has with MWRA, and whereby Wayland will purchase a portion of its water supply from the MWRA on an as-needed, emergency basis for a period not exceeding six months, as indicated in paragraph 10 hereof.

Recitals.

- R.1. In December 1984, the MWRA was created by the Massachusetts legislature to operate, regulate, finance, and modernize the waterworks and sewerage systems servicing the greater metropolitan Boston area. Operating pursuant to the terms of Section 8(d) of its Enabling Act, chapter 372 of the Acts of 1984, as amended (the “Act”), and pursuant to the Policies and Procedures for Emergency Water Supply Connections of its Board of Directors, the MWRA may enter into arrangements to provide emergency supplies of water to any local body of the Commonwealth, provided certain conditions are met.
- R.2. Wayland is a duly constituted municipal corporation of the Commonwealth of Massachusetts.
- R.3. Wayland drinking water is supplied by the following sources: Happy Hollow Wells, Baldwin Pond Wells, Campbell Well, and Chamberlain Well. Wayland has a fifth source called the Meadowview Well, which is offline due to poor water quality. Each of the active sources has their own treatment. Water quality factors have required the removal of one of Wayland’s active sources from service and facility repairs at another source have temporarily impacted Wayland’s ability to meet water demand with its local sources alone.
- R.4. On August 26, 2025, the Massachusetts Department of Environmental Protection (“MassDEP”) issued a Declaration of Water Supply Emergency to Wayland, due to a piping failure at the Happy Hollow Water Treatment Plant. The MassDEP Declaration of Water Supply Emergency is included as Attachment A to this Agreement and remains in effect until February 26, 2026, or until MassDEP determines that emergency conditions no longer exist, whichever is sooner.
- R.5. On November 5, 2025, the Town of Wayland Department of Public Works, in an electronic mail communication, requested approval to take emergency water from MWRA due to an equipment failure at Wayland’s Baldwin Pond Plant, requiring that the

plant be taken offline. MassDEP advised that the previously issued Declaration of Water Supply Emergency remains in effect and covers the current emergency situation.

- R.6 The MWRA's Policy for Emergency Water Supply Withdrawals, OP#.05 (the "Policy") includes criteria and a process for approving requests for emergency withdrawals.
- R.7 Wayland has applied to the MWRA to use emergency interconnections to the MWRA system through a temporary pump station to supplement Wayland's local water supply sources on an as-needed basis.
- R.8 On November 5, 2025, pursuant to the Policy, MWRA issued a "Short-term Approval" to Wayland for an emergency connection to the MWRA system, which anticipated that the emergency connection would need to be extended for a total period of up to six months. This approval was for a period of up to 30 calendar days to allow for approval at the November 19, 2025, MWRA Board of Directors meeting for a contract period of up to six months.
- R.9 The MWRA has determined that it can supply Wayland with an emergency water supply for a period not exceeding six months under this Agreement without jeopardizing its ability to supply its member communities and without exceeding the safe yield of its water supply system.
- R.10 On _____, the MWRA Board of Directors authorized the MWRA Executive Director to execute this Agreement with Wayland, conditioned on the MWRA Advisory Board's approval of the emergency water supply to Wayland, such approval being required under the Policy.
- R.11 On _____, the MWRA Advisory Board approved the emergency water supply to Wayland.
- R.12 Wayland will comply with all applicable legal and regulatory requirements.
- R.13 Pursuant to the Policy, this Agreement is considered "Emergency Water Supply Agreement Period Three."

AGREEMENT

NOW, THEREFORE, in consideration of the mutual promises contained herein and for other good and valuable consideration, the MWRA and Wayland agree as follows:

- 1. Wayland may take water from the emergency interconnection at an average rate of 0.5 million gallons per day, and maximum rate of 1.0 million gallons per day over the term of this Agreement.
- 2. The transfer of water from the MWRA to Wayland shall not extend beyond a period of term of this Agreement, unless Wayland submits an application for an additional

emergency water supply withdrawal and the MWRA's Board of Directors and the MWRA Advisory Board approve the additional emergency water supply withdrawal. Any withdrawals beyond the Agreement term will also require an extension of MassDEP's Declaration of Water Supply Emergency. In considering withdrawals beyond the Agreement term, the MWRA will consider Wayland's efforts to reduce consumption, to implement its long-range plans and comply with MassDEP orders, and to implement a water conservation program.

3. During the term of this Agreement, Wayland shall institute and continue all practicable conservation measures including, but not limited to, a water conservation public education program; 100% metering; leak detection surveys and rehabilitation programs; conservation pricing for water services; and a local by-law governing outdoor water use with appropriate enforcement measures such as fines and water shut-off for non-compliance. Wayland shall actively administer and enforce such local by-law.
4. Wayland shall submit to MWRA a report on water use, and the status of the emergency.
5. Wayland shall comply with all the conditions of any MassDEP Declaration of Water Supply Emergency.
6. During the term of this Agreement, the MWRA shall bill Wayland for water usage as metered at a cost of 10% over the prevailing rate (*i.e.*, 110% of the MWRA prevailing rate) as mandated by Attachment A to the Policy.
7. MWRA shall bill Wayland directly for the net asset value payment as required by the Policy for this Agreement. The charge will be 110% of 2/3 of the annual payment associated with the asset value contribution payment amortized with interest over 15 years.
8. The Parties agree that the emergency withdrawal authorized under this Agreement is not appropriate for or intended to provide a permanent water supply to Wayland. Any request by Wayland for a permanent partial water supply from MWRA shall require full consideration of all alternatives, including effective water conservation and leak detection, and shall be subject to all approvals required under Section 8(d) of the Act, MWRA policies, and under applicable state law and regulations.
9. The MWRA provides potable water in compliance with federal and state drinking water standards at the revenue meters of its waterworks communities. The Parties agree that MWRA assumes no liability for the compliance of water delivered pursuant to this Agreement with those state and federal drinking water standards once the water has entered the Wayland water distribution system.
9. Any dispute arising between the MWRA and Wayland under the terms of this Agreement shall be resolved in accordance with the dispute resolution process set forth at 360 C.M.R. 1.00.

10. The term of this Agreement shall commence on November 5, 2025 (“Start Date”), through and including May 5, 2026, the six-month anniversary of the Start Date, unless terminated sooner pursuant to the terms of this paragraph. During the term, MWRA may unilaterally terminate this Agreement in its sole discretion and at any time due to: (1) a MassDEP Declaration of Water Supply Emergency for Wayland is no longer in effect; (2) unforeseen circumstances such as inadequate supply and insufficient hydraulic capacity; and (3) any other conditions related to the safe supply of existing users and operational requirements of the MWRA’s waterworks system.

IN WITNESS WHEREOF, the Parties have caused this Agreement to be executed on this _____ day of _____, 2025 by their duly authorized representatives.

MASSACHUSETTS WATER
RESOURCES AUTHORITY

By:

Frederick A. Laskey
Executive Director

TOWN OF WAYLAND

By:

Michael McCall
Town Manager



Commonwealth of Massachusetts
Executive Office of Energy & Environmental Affairs

Department of Environmental Protection

Northeast Regional Office • 150 Presidential Way Woburn, MA 01801 • 978-694-3200

Maura T. Healey
Governor

Kimberley Driscoll
Lieutenant Governor

Rebecca L. Tepper
Secretary

Bonnie Heiple
Commissioner

August 26, 2025

VIA EMAIL: dmillette@wayland.ma.us

Don Millette, Water Superintendent
Wayland Water Division
66 River Road
Wayland MA, 01778

City/Town: Wayland
PWS Name: Wayland Water Division
PWSID: 3315000
Emergency Declaration
UAO No. **00021193**

Dear Mr. Millette:

The Massachusetts Department of Environmental Protection ("MassDEP") received a petition (the "petition") from the Wayland Water Division of the Town of Wayland, dated August 26, 2025, requesting an Emergency Declaration under the provisions of the Water Management Act, M.G.L. c. 21G (the "WMA") and the Water Management Act regulations, 310 CMR 36.00. According to the petition, due to a piping failure at the Happy Hollow Water Treatment Plant, Wayland Water Division's ability to maintain a continuous supply of water to meet its demand has been compromised. As a result, Wayland Water Division is seeking permission to activate the emergency interconnection to the MWRA Hultman Aqueduct while repairs are made.

In response to the petition, MassDEP has determined that a State of Water Supply Emergency is impending within the area served. Enclosed please find a Water Supply Emergency Declaration and Unilateral Administrative Order (UAO No. 00021193) which outlines the conditions under which Wayland Water Division may activate the emergency interconnection to the MWRA Hultman Aqueduct during the emergency.

If you have any questions regarding this letter, please contact Melissa Dwinell at (857) 278-5348 or melissa.dwinell@mass.gov

Sincerely,

Eric S. Worrall

Eric S. Worrall
Regional Director

This information is available in alternate format. Please contact MassDEP at 617-292-5500.

TTY# MassRelay Service 1-800-439-2370
MassDEP Website: www.mass.gov/dep

Printed on Recycled Paper

ecc: Nicholas Iarussi, Primary Treatment Operator, niarussi@wayland.ma.us
Thomas Holder, DPW Director, tholder@waylandma.us
Town of Wayland Board of Health, jjunghanns@wayland.ma.us, health@wayland.ma.us
MWRA: Valerie Moran, Rebecca Weidman
MassDEP/NERO: Eric Worrall, Kristin Divris, Angela Jaffarian
MassDEP/Boston: Duane LeVangie (WMA), Kathleen Baskin, Courtney Rainey, Sam
Shusterman, Yvette DePeiza (DWP),
MassDEP OGC: Heidi M. Zisch, Jennifer Davis
Mass. Water Resources Commission: Vandana Rao, Vandana.rao@mass.gov
Mass-DCR: Anne Carroll, Anne.Carroll@mass.gov
Mass Dept of Public Health: Nalina.Narain2@mass.gov

Y:\DWP Archive\NERO\Wayland-3315000-Enforce-EDec-00021193-2025-08-26

**COMMONWEALTH OF MASSACHUSETTS
EXECUTIVE OFFICE OF ENERGY AND ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENVIRONMENTAL PROTECTION**

**In the Matter of
Town of Wayland**

**RE: Wayland – Public Water Supply
Water Supply Emergency Declaration
and Order, UAO No. 0021193**

I. THE PARTIES

1. The Massachusetts Department of Environmental Protection (“MassDEP”) is a duly constituted agency of the Commonwealth of Massachusetts established pursuant to M.G.L. c. 21, § 7. MassDEP has its principal office located at One Winter Street, Boston, Massachusetts 02108, and its Northeast Regional Office located at 150 Presidential Avenue, Woburn Massachusetts, 01801.
2. The Town of Wayland (the “Town” or “Wayland”) is a public water supplier (PWS ID# 3315000) having its principal place of business at and a mailing address of 66 River Road, Wayland MA, 01778.

II. STATEMENT OF FACTS AND LAW

3. On August 26, 2025, MassDEP received an email from Wayland petitioning for a declaration of a state of water emergency pursuant to M.G.L. c. 21G, § 15 and seeking to open its emergency connection with the Massachusetts Water Resources Authority (MWRA) beginning August 26, 2025. In the email, Wayland states that it was seeking the Emergency Declaration “due to a piping failure at our Happy Hollow Pilot PFAS Treatment Plant.”
4. Wayland operates and maintains a public water system with MassDEP identification number 3315000. Wayland, by and through its Department of Public Works, operates and maintains twelve (12) water wells and nine (9) treatment plants. This UAO is in reference to the Happy Hollow Treatment Plant (Plant ID 3315000-03T), that treats the Happy Hollow #1R GP Well 1 (Source ID 3315000-10G), Happy Hollow #2R GP Well (Source ID 3315000-11G) and Happy Hollow #3R GP Well (Source ID 3315000-12G) located on Old Connecticut Path in Wayland Massachusetts, 01778.
5. Due to the pipe failure at the Happy Hollow Treatment Plant, Wayland submitted via email, a written request for an Emergency Declaration on August 26, 2025. Specifically, Wayland asserts:

“I am writing to request an emergency declaration for the use of our Emergency Connection to the MWRA Hultman Aqueduct. The reason for our request is due to a piping failure at our Happy Hollow Pilot PFAS Treatment Plant. The piping failure happened at approximately 1:15 this afternoon, we will need to activate the connection this afternoon. With Happy Hollow offline, our system demands are expected to exceed our ability to supply water. I will be reaching out to our vendor today to see their availability to make a repair. Once the contractor is finished the diagnosing the issue and a repair is made, the emergency connection will be shut down and the Happy Hollow will be placed back into normal operation. We will post additional messages on our website, social media pages and on our electronic sign boards to let customers know that the activation of the MWRA Emergency Connection has happened. We have already issued a full non-essential outdoor watering ban earlier this year. Water Division Staff are prepared to sample areas of our distribution system outlined in Section XVI, pages 293-294 of our Emergency Response Plan.”

6. Wayland holds a WMA Registration Statement (31431502) and a WMA Permit (9P431431501) to withdraw groundwater located in one watershed basin, Concord at a total average volume of 1.77 million gallons per day (MGD).
7. At 1:49 PM on August 26, 2025 Wayland petitioned MassDEP for a Declaration of a State of Water Supply Emergency, pursuant to M.G.L. c. 21G, §§ 15 through 17, and 310 CMR 36.40 through 36.42. Wayland’s request to activate the emergency interconnection with the MWRA Hultman aqueduct was made in order to meet water supply demands due to a significant pipe failure, which resulted in the Happy Hollow Treatment Plant being taken offline.
8. On August 26, 2025, at the request of Wayland’s written petition, MassDEP determined the need to issue an immediate Declaration of a State of Water Supply Emergency (“Declaration”), pursuant to 310 CMR 36.40(3). This Declaration was issued verbally on August 26, 2025 at approximately 2:15 PM.
9. Section 15 of the Water Management Act (“WMA”), M.G.L. c. 21G, and the Water Management Regulations at 310 CMR 36.40(1), authorize any public water supplier to petition MassDEP for a Declaration of a State of Water Supply Emergency.
10. Pursuant to 310 CMR 36.40(2), MassDEP may declare a state of water supply emergency “if it finds that there exists or impends a water supply shortage of a dimension which endangers the public health, safety or welfare due to circumstances including, but not limited to:
 - a) demand for water exceeds the availability of water;
 - b) mechanical failure or similar type of emergency, including inability to maintain storage tanks, loss of power, loss of pumping capacity, loss of storage capabilities, or major breaks or leaks;
 - c) contamination of the public water supply, the distribution system or storage tanks and inability to meet demand with remaining public water supplies;

- d) inadequate source of water, inadequate distribution system capacity, inadequate storage capacity or drought including seasonal water shortages which repeatedly affect the same public water system; or
 - e) necessary repair or maintenance of the public water system.”
- 11. Further, in response to a petition for a Declaration of a State of Water Supply Emergency, and pursuant to M.G.L. c. 21G, § 15, and 310 CMR 36.40(5), MassDEP may require the water supplier to submit, for its review and approval, a water supply emergency plan, including provisions for restraining the use of water by whatever means MassDEP deems appropriate and feasible. The duration of a Declaration of a State of Water Supply Emergency shall be for no more than six months, unless MassDEP determines that a longer state of water supply emergency is required to protect the public health, safety or welfare.
- 12. Pursuant to M.G.L. c. 21G, § 17, and 310 CMR 36.41(1), MassDEP may issue orders during a declared state of water supply emergency to, among other things, establish priorities for the distribution of any water or quantity of water use, to permit any person engaged in the operation of the water supply system to cease the distribution of water, to distribute water to certain users as specified by MassDEP, to require the implementation of specific water conservation measures and to purchase water from another public water system.

III. DETERMINATION AND ORDER

- 13. For the reasons stated and set forth above and pursuant to M.G.L. c. 21G, § 15, and 310 CMR 36.40(2), MassDEP hereby determines that a water supply emergency exists within the area served by Wayland and that it endangers the public health, safety or welfare of the persons currently served by Wayland. As such, MassDEP issues this Declaration of a State of Water Supply Emergency (“Emergency Declaration”) and Order.
- 14. Unless amended, terminated, or extended by MassDEP, this Emergency Declaration shall continue without interruption for six months from the date of issuance and shall expire on February 26, 2026.
- 15. For the duration of this Emergency Declaration, Wayland shall:
 - a) Maintain and enforce a mandatory total ban on any nonessential outdoor water use for the duration of this Emergency Declaration. For the purposes of this Emergency Declaration, the term "nonessential outside water use" is defined in 310 CMR 36.03 as meaning “a use that is not required:
 - (a) for health or safety reasons, including public facilities used for cooling such as splash pads and swimming pools, and for washing of boats, engines, or marine equipment to prevent negative saltwater impacts or the transfer of invasive aquatic species;
 - (b) by permit, license, statute or regulation;
 - (c) for the production of food, including vegetable gardens, and fiber;

- (d) for the maintenance of livestock;
- (e) to meet the core functions (those functions essential to the commercial operations) of a business, including but not limited to:
 - 1. plant nurseries as necessary to maintain stock;
 - 2. golf courses as necessary to maintain greens and tees, and limited fairway watering per 310 CMR 36.07(2)(c)2.a. through c.;
 - 3. venues used for weddings or similar events that limit watering to hand-held hose or drip irrigation as necessary to maintain gardens, flowers and ornamental plants;
 - 4. professional washing of exterior building surfaces, parking lots, driveways and/or sidewalks as necessary to apply surface treatments such as paint, preservatives, stucco, pavement, or cement in the course of construction, reconstruction or renovation work;
- (f) for irrigation of public parks before 9:00 A.M. and after 5:00 P.M.,
- (g) for irrigation of public and private recreation fields, including those operated by schools, colleges, universities and athletic associations, before 9:00 A.M. and after 5:00 P.M.,
- (h) for irrigation of publicly-funded shade trees and trees in the public right-of-way; or
- (i) to establish a new lawn as necessary to stabilize soil in response to new construction or following the repair or replacement of a Title 5 system.”

- b) No later than two (2) days after the date of issuance of this Emergency Declaration, Wayland shall provide public notice to its customers through the Town Reverse-911 system, if available, or similar communication system, of the issuance of this Emergency Declaration and the ban on all nonessential outdoor water use. Wayland shall continue to notify customers by any additional means, including but not limited to sign boards, notices on websites and social media, as deemed necessary. If Wayland has published notice in a local newspaper and/or on the Wayland website or by any other means, then Wayland shall also submit a copy of the public notice to MassDEP within ten business days of publication of the notice.
- c) Wayland is hereby authorized to activate its interconnection to draw water from MWRA, following approval from MWRA.
- d) Wayland shall submit to MassDEP a written progress report every two weeks on the repair status of the pipe, operation of the water treatment plant and any other issues encountered.
- e) Wayland shall comply with all terms and conditions of its Water Management Act Permit and Registration which remain unchanged by this Emergency Declaration.
- f) Wayland shall maintain records of any water pumped from the emergency interconnection as required under the Regulations during the duration of this Declaration and provide those records to the Department on request.

- g) Wayland shall comply with the requirements of the MWRA governing emergency use of connections with an MWRA community.
16. MassDEP may amend or terminate this Emergency Declaration, on its own initiative or at the request of Wayland upon a finding that the public health, safety or welfare is no longer endangered by a water supply shortage in all or part of the area to which the Emergency Declaration has been made.
17. Pursuant to 310 CMR 36.42(2)(a), MassDEP may extend this Emergency Declaration, on the Department's own initiative or upon the written request of Wayland if it determines that a longer state of emergency is required to protect the public health, safety and welfare in any or in part of the area served by the public water supplier.
18. If Wayland fails to comply with the provisions of this Emergency Declaration and Order, MassDEP may assess a civil administrative penalty to the PWS, as provided in M.G.L. c. 21A, § 16, and M.G.L. c. 21G, § 14. MassDEP may also seek civil judicial penalties as provided in M.G.L. c. 21G, § 14. Each day of continued violation shall constitute a separate offense. In addition, MassDEP may ask the Massachusetts Attorney General to bring an action in the Superior Court to compel compliance with this Emergency Declaration and Order.

MASSACHUSETTS DEPARTMENT OF ENVIRONMENTAL PROTECTION

DATE: August 26, 2025

BY: *Eric S. Worrall*

Eric S. Worrall, Regional Director

STAFF SUMMARY

TO: Board of Director
FROM: Frederick A Laskey, Executive Director
DATE: November 19, 2025
SUBJECT: November 2025 PCR Amendments



COMMITTEE: Personnel and Compensation

Wendy Chu, Director of Human Resources
Preparer/Title

 INFORMATION
 X VOTE


Michele S. Gillen
Director, Administration

RECOMMENDATION:

To approve amendments to the Position Control Register included in the attached chart.

DISCUSSION:

The Position Control Register (PCR) lists all positions of the Authority, filled and vacant. It is updated as changes occur and published at the end of each month. Any changes to positions during the year are proposed as amendments to the PCR. All amendments to the PCR, except those resulting only in a change in title or cost center, must be approved by the Personnel and Compensation Committee of the Board of Directors. All amendments resulting in an upgrade of a position by more than one grade level, and/or an increase in annual cost by \$10,000 or more must be approved by the Board of Directors after review by the Personnel and Compensation Committee.

November 2025 PCR Amendments

There are three PCR Amendments this month.

Organizational Changes:

1. Title and grade change to one filled position in the Administration Division, Training Department from an Senior Training Specialist (Unit 6, Grade 10) to Program Manager, Training (Unit 6, Grade 11) per union agreement.
2. Salary change to one filled position in the Administration Division, Occupational Health and Safety Department for a Program Manager, Security/Safety (Unit 9, Grade 29) to alleviate salary collision with a subordinate per union agreement.
3. Salary change to one filled position in the Operations Division, TRAC Department for a Senior Sampling Associate (Unit 9, Grade 25) to alleviate salary collision with subordinates per union agreement.

BUDGET/FISCAL IMPACT:

The maximum annualized budget impact of the PCR amendment will be a cost of \$10,813. Staff will ensure that the costs associated with the PCR amendment will not result in spending over the approved FY26 Budget.

ATTACHMENTS:

Job Descriptions

MASSACHUSETTS WATER RESOURCES AUTHORITY
POSITION CONTROL REGISTER AMENDMENTS
FISCAL YEAR 2026

PCR AMENDMENTS REQUIRING BOARD APPROVAL - November 19, 2025																	
Number	Current PCR #	V/F	Type	Current Title	UN	GR	Amended Title	UN	GR	Current/Budget Salary	Estimated New Salary		Estimated Annual		Reason		
													\$ Impact		For Amendment		
B8	Administration Human Resources 8530010	F	T/G	Senior Training Specialist	6	10	Program Manager, Training	6	11	\$117,420	\$129,233	-	\$129,233	\$11,813	-	\$11,813	Union agreement.
B9	Administration Occupational Health and Safety Dept. 8910009	F	S	Program Manager, Security/ Safety	9	29	Program Manager, Security/ Safety	9	29	\$133,559	\$138,971	-	\$138,971	\$5,412	-	\$5,412	Salary adjustment to alleviate salary collision with subordinate. Union agreement.
B10	Operations TRAC 2210060	F	S	Senior Sampling Associate	9	25	Senior Sampling Associate	9	25	\$100,736	\$105,304	-	\$105,304	\$4,568	-	\$4,568	Salary adjustment to alleviate salary collision with subordinates. Union agreement.
			BOARD TOTAL = 3 TOTAL: \$21,793 - \$21,793														

**MWRA
POSITION DESCRIPTION**

OLD

POSITION: Senior Training Specialist (Learning)

DIVISION: Administration

DEPARTMENT: Human Resources

BASIC PURPOSE:

Organizes a variety of learning programs/solutions for MWRA staff in areas such as administrative procedures, plant operations and maintenance, job skills, safety, and other technically-related skills as well as for professional skill development. Creates effective and engaging learning experiences (e.g., e-learning, instructor-led, etc.) by applying instructional design principles and techniques to develop learning materials, courses, and programs. Works with Procurement to select learning vendors appropriate to MWRA learning needs.

SUPERVISION RECEIVED:

Works under the general supervision of the Manager, Training and Development. May receive assignments from Training Program Managers.

SUPERVISION EXERCISED:

May provide direction to administrative staff or intern(s).

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Analyzes position tasks and identifies/reports on learning needs through the creation and use of various tools and methodologies (such as skill/development assessments/surveys and consultative discussions with managers, supervisors, and learners). Assists in the preparation of reports to recommend appropriate learning solutions.
- Plans, develops and selects administrative, professional and technical training learning for MWRA staff. Works with Procurement to ensure appropriate application of procurement procedures for vendor selection. Drafts documentation to support vendor solicitation processes and selection.
- Identifies learning needs, learning outcomes and objectives, and target audience characteristics to develop engaging and effective, performance-based learning experiences and solutions.
- Designs and develops learning materials (e.g., instructor/student guides, presentations, quick reference guides, etc.) incorporating multimedia elements (such as audio/video) and interactive features for in-person, virtual, and self-paced environments.
- Reviews learning presentations, including from LinkedIn Learning courses and other content providers, to ensure appropriate course outline and content, selection of media, and learning materials.

- Coordinates data collection and generates reports from Learning Management System (LMS) to assist in the evaluation of learning program effectiveness.
- Works closely with MWRA Department of Occupational Health and Safety to identify, procure, develop, and deliver learning consistent with OSHA guidelines.
- Monitors learning for consistency between content delivered and actual job requirements.
- Monitors in-person and virtual learning sessions as needed to ensure appropriate delivery of learning as defined in learning program specifications. Assists outside vendors/instructors or learning staff with instructional presentations.
- Advises supervisory personnel in learning methods for their effective presentation of department-specific instruction.
- Informs employees of available courses and related learning options appropriate to their career goals and plans. Advises on ways to meet relevant license and certification requirements and the availability of educational assistance.
- Performs a variety of related administrative duties such as assuring availability of adequate learning materials and equipment, coordinating class schedules, overseeing the maintenance of learning/employee skills records, and development of promotional materials.
- Updates LMS with courses, sessions, registration, and attendance. Creates custom reports through the LMS.
- Delivers learning as required.
- Coordinates and tracks performance evaluations as needed.
- Coordinates facility arrangements and schedules.

SECONDARY DUTIES:

- Performs other related duties as assigned.

MINIMUM QUALIFICATIONS:

Education and Experience:

- (A) Organizational and management knowledge and skill as normally attained through a Bachelor's degree in training, learning and development, education, instructional design, human resources, or a related field; and
- (B) At least four (4) years of experience in education, training, learning and development, instructional design, or human resources, preferably in water/wastewater operations or public sector environment, with at least two (2) years of experience with adult learners; or

(C) Any equivalent combination of education or experience.

Necessary Knowledge, Skills and Abilities:

- (A) Professional-level knowledge of training/learning resources, methods and practices.
- (B) Knowledge, and application of, instructional design principles, practices, and theories.
- (C) Experience using Authoring tools (e.g., Articulate, Lectora, Captivate, etc.)
- (D) Excellent written and oral communication and presentation skills.
- (E) Experience in facilitation and working effectively with subject matter experts, instructors, and stakeholders to ensure alignment and effectiveness.
- (F) Excellent organizational and problem-solving skills.
- (G) Adaptable and willing to learn new technologies and methodologies.
- (H) Experience with MS Office Suite, Adobe products, and using a learning management system.
- (I) Critical-thinking and Creative-thinking skills with the ability to focus on the 'big picture' while having a strong attention to detail.
- (J) Proficiency is using virtual platforms such as WebEx, Zoom, Teams to capture/deliver learning.
- (K) Strong project management skills.

SPECIAL REQUIREMENTS:

A valid Massachusetts Class D driver's license or equivalent.

TOOLS AND EQUIPMENT USED:

Office machines as normally associated with a professional environment, including the use of telephone, personal computers, typical office software, email, videoconferencing applications, copier, fax machine, printer, and scanner.

PHYSICAL DEMANDS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to sit, talk or hear. The employee is regularly required to use hands to finger, handle, feel or operate objects, including office equipment, or controls and reach with hands and arms. The employee frequently is required to stand and walk.

The employee must regularly lift and/or move up to 10 pounds. Specific vision abilities required by this job include close vision, and the ability to adjust focus.

WORK ENVIRONMENT:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. While performing the duties of this job, the employee regularly works in an office environment.

The noise level in the work environment is usually a moderately quiet office setting.

September 2025

**MWRA
POSITION DESCRIPTION**

NEW

POSITION: Program Manager, Training

DIVISION: Administration

DEPARTMENT: Human Resources

BASIC PURPOSE:

Plans, implements, delivers and assesses Human Resources technical training and development programs and facility initiatives including competency-based training, vendor and equipment training, systems training, and training for new and renovated facility start-up projects.

SUPERVISION RECEIVED:

Works under the general supervision of the Manager, Training and Development.

SUPERVISION EXERCISED:

May provide direction to Senior Training Specialist(s) on projects. May supervise an intern and provide assignments to administrative staff.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Assists the Manager, Training and Development in development and implementation of the long-term vision and strategy for Authority-wide training programs Operations facility-specific initiatives.
- Develops training programs that maintain the level of competence of staff and coordinates with division managers to ensure proficient operational and maintenance personnel.
- Works with department heads and staff to ensure effective communication and work flow practices between operations, maintenance and support groups. Develops employee communication strategies regarding training programs and policies.
- Develops and manages training initiatives including planning, scheduling, tracking, reporting, and the quality control/quality assurance of training deliverables.
- Coordinates with Department of Occupational Health and Safety and other MWRA Departments on initiatives that relate to Authority policies, environmental policies, regulations and training.
- Works closely with the Department of Occupational Health and Safety to identify, procure, develop, and deliver training consistent with OSHA guidelines and Massachusetts Department of Labor Standards (DLS) regulations.
- Assists in the implementation of Safety Programs and the development of training standards for related safety training that maximizes employee involvement and supports the Authority's overall Health and Safety Program.
- Works with Operations to identify training issues and problems to ensure compliance with authority

policies and procedures. Develops and implements action plans for resolution.

- Collaborates with Operations personnel to establish effective ongoing training programs which enhances staff development and management practices and optimizes automation in support of facility operations.
- Manages progressive reporting criteria against department goals and objectives, making recommendations as required. Assists with the management of data input and report generation using the Authority-approved Learning Management System (LMS) and other Authority-approved database systems.
- Assesses the need for external technical support programs; develop plans for technical and competency based training programs. Prepares contract technical assistance and training and start-up program implementation with Operations for new construction projects.
- Coordinates and works with Operations staff to design training that will respond to group as well as individual needs and/or priorities. Works with technical staff to coordinate technically specific training with overall facility and systems training.
- Works with Procurement Department to ensure appropriate application of procurement procedures for vendor selection. Drafts documentation to support vendor solicitation processes and selection. Obtains purchase orders, contracts, and professional service agreements for training programs.

SECONDARY DUTIES:

- Performs other related duties as required.

MINIMUM QUALIFICATIONS:

Education and Experience:

- (A) Organizational and management skills as attained through a Bachelor's degree program in business, training, education, human resources, or a related field; and
- (B) At least five (5) years of relevant experience preferably in a public sector unionized environment; demonstrated experience managing training programs; or; or
- (C) Any equivalent combination of education or experience.

Necessary Knowledge, Skills and Abilities:

- A. Knowledge of training principles and practices including competency-based learning, vendor/equipment training; and facility start-up initiatives.
- B. Strong background in strategic planning, project management, developing and managing comprehensive training programs, coordinating critical facility start-up deliverables and consultant/contractor oversight.
- C. Proven ability for establishing and implementing efficient organizational practices, business plans,

and system benchmarking mechanisms.

- D. Excellent organization, written, and verbal skills and the ability to work with confidential information.
- E. Demonstrated ability to work within a matrix management organizational structure.
- F. Proficient computer skills in Microsoft Office Suite software (Word, Excel, Power Point, Outlook).
- G. Proficient in Learning Management Systems, preferably Infor LMS, including SCORM and Reporting.
- H. Proficient in using virtual platforms such as WebEx to deliver training.

SPECIAL REQUIREMENTS:

A valid Massachusetts Class D Operators driver's license for travel between MWRA work sites.

TOOLS EQUIPMENT USED:

Office equipment as normally associated with the use of telephone, personal computer including Authority-approved software programs, copy and fax machines; audio-visual equipment, including projectors and multiple display screens

PHYSICAL DEMANDS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to sit, talk or hear. The employee is regularly required to use hand to finger, handle, feel or operate objects, including office equipment, or controls and reach with hands and arms. The employee frequently is required to stand and walk.

The employee must regularly lift and/or move up to 10 pounds. Specific vision abilities required by this job include close vision, and the ability to adjust focus.

WORK ENVIRONMENT:

The work environment characteristics described here are representative of this employee encounters while performing the essential functions of this job. While performing the duties of this job, the employee regularly works in an office and field environment.

The noise level in the work environment is usually loud in the field and moderately quiet in office settings.

September 2024

**MWRA
POSITION DESCRIPTION**

POSITION: Program Manager, Security/Safety

DIVISION: Office of Executive Director

DEPARTMENT: Office of Emergency Preparedness

BASIC PURPOSE:

Develops and manages security and safety programs which support Authority operations.

SUPERVISION RECEIVED:

Works under the general supervision of the Director, Office of Emergency Preparedness

SUPERVISION EXERCISED:

Emergency Services Unit volunteers.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Identifies, develops and manages security and safety programs for the Authority, based on the operational needs of the organization.
- Drafts, revises and publishes written security and safety programs and plans consistent with regulatory and industry standards.
- Supports in-house technical staff in the implementation of security and safety programs, including reviewing plans and developing strategy and audit protocols.
- Manages the Emergency Services Unit Team to insure response readiness through documentation, training, drills and equipment maintenance; and leads the team in actual responses.
- Oversees the work of professional consultants under contract to the Authority, including quality of output and budget.
- Develops and maintains emergency preparedness and response documents.
- Develops meaningful management indicators for use by senior managers.
- Recommends Authority policy regarding security sensitive and occupational safety and health issues.
- Serves as technical consultant to senior management on issues relevant to security and occupational safety and health.
- Assists in the development of both departmental and Authority-wide APPOs and budgets related to the security and safety functions.

- Provides professional opinions to law, labor relations and risk management, including testifying as an expert witness.
- Represents the executive office in the investigation of serious or potentially serious accidents or security incidents.
- Interprets technical data provided by outside technical professionals.
- Serves as a technical advisor to the Security Task Force.

SECONDARY DUTIES:

- Participates in weekend/off-hours on-call coverage for OEP as part of a weekly coverage rotation.
- Performs related duties as required.

MINIMUM QUALIFICATIONS:

Education and Experience:

- (A) Knowledge of the principles and practices of a safety professional as normally attained through a graduate degree in science, engineering or related field; and
- (B) Knowledge of chemistry/biology as it relates to public health issues and hazardous materials incidents as gained through experience and education; and
- (C) Understanding of issues related to safety, emergency response, risk management, environmental health, behavioral and applied sciences as normally attained through five (5) to seven (7) years experience; or
- (D) Any equivalent combination of education or experience.

Necessary Knowledge, Skills and Abilities:

- (A) Excellent interpersonal, oral and written communication skills.

SPECIAL REQUIREMENTS:

A valid Massachusetts Class D Motor Vehicle Operators License.

Certification by the Board of Certified Safety Professionals or the American Board of Industrial Hygiene, or current eligibility for certification.

24-hour HazMat Technician or higher level emergency response training certification.

Incident Command ICS 700, 100, 200 and 300 certification, within 6 months of appointment.

Trained and experienced in confined space entry.

TOOLS AND EQUIPMENT USED:

Office machines as normally associated, with the use of telephone, personal computer including word processing and other software, copy and fax machine.

PHYSICAL DEMANDS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to sit, talk or hear. The employee is regularly required to use hands to finger, handle, feel or operate objects, including office equipment, or controls and reach with hands and arms. The employee frequently is required to stand and walk. The employee is occasionally required to walk, climb, balance, stoop, kneel, crouch, or crawl.

The employee must frequently lift and/or move up to 10 pounds, and occasionally lift and/or move up to 25 pounds. Specific vision abilities required by this job include close vision, and the ability to adjust focus.

WORK ENVIRONMENT:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. While performing the duties of this job, the employee regularly works in an office environment. The employee occasionally works in outside weather conditions. The employee is occasionally in environments with fumes and airborne particles, toxic or caustic chemicals, and risk of electric shock.

The noise level in the work environment is usually moderately quiet.

September 2016

**MWRA
POSITION DESCRIPTION**

POSITION: Sr Sampling Associate

DIVISION: Operations

DEPARTMENT: Toxic Reduction and Control (TRAC)

BASIC PURPOSE:

Ensures that the sampling done by TRAC meets programmatic requirements and is consistent among the TRAC sampling staff. Co-Manages TRAC's sampling operations area at the Chelsea facility.

SUPERVISION RECEIVED:

Works under the general supervision of the Program Manager, Monitoring.

SUPERVISION EXERCISED:

Exercises direct supervision of and provides overall direction to approximately five to seven TRAC Sampling Associates. Ensures activities conducted by TRAC sampling staff adhere to established federal, state and MWRA pretreatment program regulations, policies and guidelines.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Supervises TRAC sampling staff and provides overall direction to the TRAC sampling staff concerning technical requirements for sampling to ensure that there is consistency and coordination among and within the staff on sampling practice, procedure, and implementation.
- Schedules field activities for assigned staff using pretreatment and other software. Reviews sampling done by TRAC staff to help ensure that it meets programmatic and legal requirements. Reviews monitoring reports and recommends corrections as necessary.
- Manages TRAC's sampling operations area at the Chelsea facility to ensure a clean and safe working environment; ensures that sampling equipment and supplies are available and maintained, and develops the TRAC sampling field equipment budget.
- Reviews and recommends sampling procedures (Monitoring Manual), drafting new and updating existing standard operating procedures (SOPs), and ensures that SOPs are followed by the team.
- Provides orientation and training on sampling and safety issues and procedures to other TRAC staff.
- Assists Program Manager, Monitoring in field to office communications, acting as field liaison to Program Manager, Monitoring.
- Serves as lead coordinator on special projects and emergency sampling. Performs sampling, flow measurements and dye testing for multimedia sample types including but not limited to CSO activations.

- Initiates Data Anomaly Investigation Reports as necessary and follows through until data/reports and computer systems accurately reflect information.
- Tracks sampling goals and accomplishments to help ensure that TRAC meets its sampling goals and requirements and provides reports on sampling achievements.
- Assures the training of employees in sampling, quality control, administrative, and safety procedures, and provides instruction as appropriate.
- Conducts employee performance reviews in accordance with MWRA procedures, and recommends hires and promotions.
- Assists in maintaining harmonious labor management relations through application of collective bargaining agreement provisions and established personnel policies.
- Works on TRAC's sampling initiatives.
- Responsible for assigned vehicles and monitoring equipment.
- Assists in reviewing and responding to requests from sewer users to be approved to take their own wastewater samples.
- Participates in liaison, coordination, and educational activities within the MWRA and with other governmental agencies and the public.
- Drafts reports, memoranda, and other documents.

SECONDARY DUTIES:

- Performs related duties as required.

MINIMUM QUALIFICATIONS:

Education and Experience:

- (A) A Bachelor's degree in chemistry, biology, environmental sciences, a related engineering or science discipline, or other related field; and
 - (B) Five (5) to seven (7) years of experience in industrial wastewater treatment and discharge including a detailed understanding of industrial wastewater sampling techniques and requirements; and
 - (C) At least two (2) years of experience managing employees, consultants, projects, or programs, or completion of the MWRA supervisory development program, or completion of the program within six months of being in the position; or
 - (D) Any equivalent combination of education and/or experience.
- Necessary Knowledge, Skills and Abilities:

- (A) Knowledge and understanding of environmental engineering, science, law, policy and practice related to industrial wastewater treatment and discharge.
- (B) Ability to plan and implement programs.
- (C) Familiarity with computers, including word-processing, spreadsheet, database, and other information systems and an ability to perform data analyses.
- (D) Strong written and oral communication skills.

SPECIAL REQUIREMENTS:

- Valid Massachusetts Class D Motor Vehicle Operators License.
- OSHA 40-hour training and confined space entry.

TOOLS AND EQUIPMENT USED:

Mobile radio, telephone, personal computer, including word processing and other software, copy and fax machine.

PHYSICAL DEMANDS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to walk, sit, talk or hear. The employee frequently is required to stand, use hands to finger, handle or feel and reach with hands and arms. The employee is occasionally required to climb or balance; stoop, kneel, crouch, or crawl; and smell.

The employee must frequently lift and/or move up to 25 pounds and occasionally lift and/or move up to 100 pounds. Specific vision abilities required by this job include close vision, distance vision, color vision, depth perception, and the ability to adjust.

WORK ENVIRONMENT:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job.

While performing the duties of this job, the employee occasionally works in outside weather conditions. The employee occasionally works near moving mechanical parts and is occasionally exposed to wet and/or humid conditions. The employee occasionally works in high, precarious places and is occasionally exposed to fumes or airborne particles, toxic or caustic chemicals, and risk of electrical shock. Employee must be able to successfully complete Confined Space Entry training program.

The noise level in the work environment is usually loud in field settings, and moderately quiet in office settings.

December 2021

STAFF SUMMARY

TO: Board of Directors
FROM: Frederick A. Laskey, Executive Director
DATE: November 19, 2025
SUBJECT: Appointment of Manager, Workplace Investigations



COMMITTEE: Personnel & Compensation

 INFORMATION
 X VOTE

Wendy Chu, Director, Human Resources
Preparer/Title


Michele S. Gillen
Director, Administration

RECOMMENDATION:

To approve the appointment of Mr. Michael Guarin to the position of Manager, Workplace Investigations (Non-Union, Grade 14) in the Administration Division, at an annual salary of \$146,250, commencing on a date to be determined by the Executive Director.

DISCUSSION:

The Manager, Workplace Investigations serves as the Authority's lead investigator for all employee workplace investigations, including but not limited to employee misconduct, rule or policy violations, workplace discrimination or harassment, and any other unprofessional or inappropriate workplace behavior. The position became vacant upon the separation of the incumbent in August 2025. It is one of six non-union manager positions that report directly to the Director of Human Resources.

SELECTION PROCESS:

This position was posted internally and externally. The Authority received 21 applications, all from external applicants. Five candidates were referred for an interview. The selection committee was comprised of the Director of Human Resources, the Manager of Benefits & HRIS, and the Associate General Counsel, Labor & Employment.

Mr. Michael Guarin is the recommended candidate for this position based on his experience, knowledge, skills, and abilities.

Mr. Guarin has nearly 25 years of experience conducting investigations. Since 2014, he has been the Chief Investigator at the Massachusetts Department of Transitional Assistance where his work has focused on allegations of employee misconduct in the workplace. In this role, he has conducted over 200 workplace investigations with approximately 65% of his workload involving claims of discrimination, harassment, sexual harassment, and/or retaliation based on a protected activity.

As a seasoned investigator, Mr. Guarin has substantial experience interviewing witnesses, collecting evidence, preparing investigation reports, making findings and conclusions, and presenting such findings to decision-makers. In addition, he has provided testimony in legal proceedings on numerous occasions. Lastly, Mr. Guarin has considerable experience conducting investigations in a unionized environment.

Prior to 2014, Mr. Guarin's investigatory experience included public assistance fraud, workers' compensation insurance fraud, violations of the Massachusetts Board of Bar Overseers Rules of Professional Conduct, financial crimes, and violations of Massachusetts labor laws.

Mr. Guarin received a Bachelor of Arts degree in History from the Virginia Military Institute and a Master of Science degree in Criminal Justice from Northeastern University.

BUDGET/FISCAL IMPACTS:

There are sufficient funds for this position in the Administration Division's FY26 Current Expense Budget.

ATTACHMENTS:

Resume of Michael Guarin
Position Description
Organization Chart

Michael M. Guarin

RELEVANT WORK EXPERIENCE

Chief Investigator (Acting Chief Investigator from July 2014-October 2014)

July 2014-Present

Massachusetts Department of Transitional Assistance

Legal Division

- Investigate allegations of employee misconduct. The scope of these investigations primarily involves allegations of sexual harassment, discrimination, and internal fraud.
- Prepare and present investigative findings to senior executive staff including but not limited to the Commissioner and General Counsel.
- Testify in administrative show cause hearings as needed.

Investigator/Compliance Officer III

December 2013-July 2014

Massachusetts Department of Transitional Assistance

Administrative Disqualification Unit

- Investigated allegations of public assistance fraud.
- Reviewed clients' case files, payroll records, and other documents in order to determine whether or not an Intentional Program Violation has occurred and submitted recommendations for courses of action.
- Represented the Department in administrative disqualification hearings by providing testimony and presenting documents.
- Interviewed and obtained information from complainants who contacted the Department's fraud hotline.

Investigator

September 2010-October 2013

Insurance Fraud Bureau of Massachusetts

Workers' Compensation Premium Fraud Unit

- Investigated allegations of fraudulent insurance transactions with an emphasis on workers' compensation insurance fraud.
- Analyzed various records including claim files, policy files, bank records, payroll records, etc.
- Interviewed witnesses as needed.
- Prepared case summary reports detailing chronological events, documentary evidence, and testimonial evidence obtained and recommending various courses of action including referring the matter for further criminal prosecution.
- Testified in judicial proceedings as needed.

Investigator

July 2007-September 2010

Massachusetts Board of Bar Overseers of the Supreme Judicial Court

Office of the Bar Counsel

- Investigated attorneys admitted to the Massachusetts bar for alleged violations of the Rules of Professional Conduct.
- Analyzed various documents including bank records, court documents, and other records pertinent to the investigation.
- Drafted and issued administrative subpoenas to compel the production of witnesses and/or documents in anticipation of introducing evidence in a disciplinary hearing.
- Interviewed complainants, respondents, and other relevant witnesses.
- Reviewed cases that involve dishonored checks disbursed from lawyers' trust accounts, wrote reports assessing the respondents' compliance with the Rule of Professional Conduct governing trust account recordkeeping, and recommended courses of action including the investigative plan as well as level of sanction.

Michael M. Guarin

-Page 2-

Financial Investigator

February 2003-July 2007

Massachusetts Office of the Attorney General

Criminal Bureau – Financial Investigations Division

- Analyzed financial documents to investigate allegations of financial fraud such as larceny, public corruption, embezzlement, and tax fraud.
- Drafted and issued grand jury subpoenas to compel the production of witnesses and/or documents for the purpose of introducing evidence to the grand jury.
- Interviewed witnesses relevant to criminal investigations.
- Testified in judicial proceedings as a summary witness on behalf of the Commonwealth of Massachusetts.

Inspector

January 2001-February 2003

Massachusetts Office of the Attorney General

Business & Labor Protection Bureau - Fair Labor & Business Practices Division

- Investigated alleged violations of state labor laws and enforced them through both criminal and civil means when necessary.
- Conducted unannounced or announced site inspections at various businesses in order to examine records and documents relevant to the payment of wages to employees and child labor laws as authorized by statute.
- Presented information about legal rights in the workplace to different community organizations in Massachusetts.

EDUCATION

Management Certificate Program

September 2025-Present

Executive Office of Health & Human Services, Center for Staff Development - Boston, MA

Expected date of completion: May 2026

Master of Science

January 2002-May 2004

Northeastern University, Graduate School of Criminal Justice - Boston, MA

Criminal Justice

Bachelor of Arts

August 1993-May 1997

Virginia Military Institute – Lexington, VA

Major: History Minor: International Studies

SKILLS

- Notary Public (Commission expires March 6, 2031)
- Completed certified course on Conducting Internal Discrimination Complaint Investigations from the Massachusetts Commission Against Discrimination.
- Received training in financial fraud from the National White Collar Crime Center, U.S. Customs and Border Protection, and the Boston Police Department.
- Some Spanish proficiency

OTHER

- Served in the U.S. Marine Corps Reserve from September 1995 until honorably discharged in August 1999.

**MWRA
POSITION DESCRIPTION**

POSITION: Manager, Workplace Investigations

DIVISION: Administration

DEPARTMENT: Human Resources (HR)

BASIC PURPOSE:

Serves as lead investigator on all workplace employee investigations, including but not limited to allegations or complaints of employee misconduct, rule or policy violations, workplace discrimination or harassment, and other unprofessional or inappropriate workplace behavior. Makes post-investigative findings, conclusions, and recommendations. Responsible for devising and enforcing corrective actions as needed. Workforce is comprised of approximately 1000 employees in 5 collective bargaining units covering administrative, professional, trades, scientist, and engineering positions.

SUPERVISION RECEIVED:

Works under the general supervision of the Director of Human Resources. Dotted line reporting relationship to the Chief Diversity and Equity Officer (Special Assistant for Affirmative Action and Compliance).

SUPERVISION EXERCISED:

Supervises the Employee Relations Specialist. Exercises functional supervision over other staff in the Human Resources (HR) Department and Affirmative Action & Compliance Unit (AACU) as required for projects, initiatives, or investigations.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Serves as primary investigator on workplace investigations involving alleged inappropriate behavior and employment policy violations which may result in disciplinary action, using best practice investigative procedures. Partners with the AACU to conduct thorough and timely workplace investigations of allegations of discrimination, harassment, sexual harassment, and/or retaliation based on an employee's protected class or activity (e.g., gender, race, religion, etc.) in violation of Massachusetts Water Resources Authority (MWRA) policies.
- Collects and evaluates evidence, including witness interviews and statements, timesheets, payroll records, GPS and other vehicle data, video surveillance, and other relevant records. Develops sound defensible investigative plans and conclusions. Drafts investigation reports, including findings of fact and analysis of policy violations and compliance. Presents findings and makes recommendations to Director of Human

Resources, Chief Diversity and Equity Officer, legal counsel, and/or senior management as appropriate relative to disciplinary actions and other corrective actions to resolve and remediate complaints.

- Oversees workplace investigations conducted by other staff.
- Collaborates with staff in HR, AACU, and the Law Division to ensure that the Authority complies with requirements of collective bargaining agreements and relevant labor laws throughout the investigation process, maintaining records, and communication in an appropriately confidential manner.
- Participates in meetings with management staff to discuss discipline and other confidential personnel matters.
- Manages investigative caseloads and investigative records. Prepares and maintains documentation related to workplace investigations, including but not limited to witness statements, interview summaries, and investigation reports.
- Identifies areas in which employees require training to ensure compliance with MWRA policies, collective bargaining agreements, rules and procedures, as well as state and federal laws related to the workplace. Coordinates with Training Unit to facilitate trainings as needed.
- Testifies on behalf of or otherwise represents the Authority in legal and/or administrative proceedings regarding investigations and related disciplinary action.
- Under the direction of the Director, Human Resources, develops and implements HR goals, objectives and long-term strategies related to investigations, nondiscrimination, harassment prevention, and other workplace conduct concerns.
- Manages the communication and implementation of new employment-based rules, regulations, and guidance with HR staff as assigned.
- Conducts regular reviews of MWRA employment policies and drafts revisions and new policies as needed.
- Oversees the investigations department budget, contracts, and financial transactions.
- Assists with labor relations, employment, compensation, and benefits matters as needed.
- Assists Law Division with litigation and labor relations as needed.
- Manages the department in a manner that is consistent with MWRA's goals of Diversity, Equity, and Inclusion.

SECONDARY DUTIES:

Performs other duties as required.

MINIMUM QUALIFICATIONS:

Education and Experience:

- (A) A Bachelor's degree in public administration, human resources, business administration or a related field (Juris Doctor preferred); and
- (B) Strong understanding of labor and employee relations, personnel administration, and grievance administration as acquired through at least seven (7) years of experience conducting workplace investigations related to discrimination, harassment, sexual harassment, retaliation, violations of workplace policies, and/or employee misconduct (preferably in the public sector in a unionized environment), a minimum of which 3 years are supervisory or managerial; or
- (C) Any equivalent combination of education or experience.

SPECIAL REQUIREMENTS:

Ability to provide evening and weekend coverage on a rotating basis.

A valid Massachusetts Class D Motor Vehicle Operators' License.

NECESARY KNOWLEDGE, SKILLS AND ABILITIES:

- (A) Demonstrated ability to work effectively as part of a team and to function independently with minimal supervision.
- (B) Thorough knowledge of relevant state and federal personnel laws, practices, and regulations, including M.G.L. c. 151B and corresponding federal laws (e.g., Title VII, Americans with Disabilities Act (ADA), Age Discrimination in Employment Act (ADEA), Pregnant Workers Fairness Act (PWFA), etc.).
- (C) Proficiency with computer software, such as MS Office Suite and videoconference applications.
- (D) Excellent interpersonal, managerial, oral and written communication skills, including narrative report-writing experience.
- (E) Ability to maintain confidentiality and exercise discretion while handling highly sensitive matters.
- (F) Demonstrated ability to conduct workplace investigations, preferably in a unionized work

environment.

- (G) Ability to mediate employee concerns and enforce personnel rules and regulations in an impartial manner.
- (H) Strong critical thinking skills to analyze and assess evidence and draw conclusions based thereupon.
- (I) Thorough knowledge of best practices for workplace investigations.

PREFERRED KNOWLEDGE, SKILLS AND ABILITIES:

- (A) Thorough knowledge of Massachusetts labor laws, including M.G.L. c. 150E.
- (B) Thorough knowledge of best practices for drafting and revising employment policies.

TOOLS AND EQUIPMENT USED:

Office equipment as normally associated with a professional office environment, including the use of telephones, personal computers, word processing and other software, email, videoconference applications, copiers, scanners, and fax machines.

PHYSICAL DEMANDS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this job, the employee is regularly required to use hands to finger, handle, feel or operate objects, tools or controls and frequently required to reach with hands and arms. The employee regularly is required to talk or hear. The employee is occasionally required to walk; stand; climb or balance; stoop, kneel, crouch, or crawl; or sit.

Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception and the ability to adjust focus.

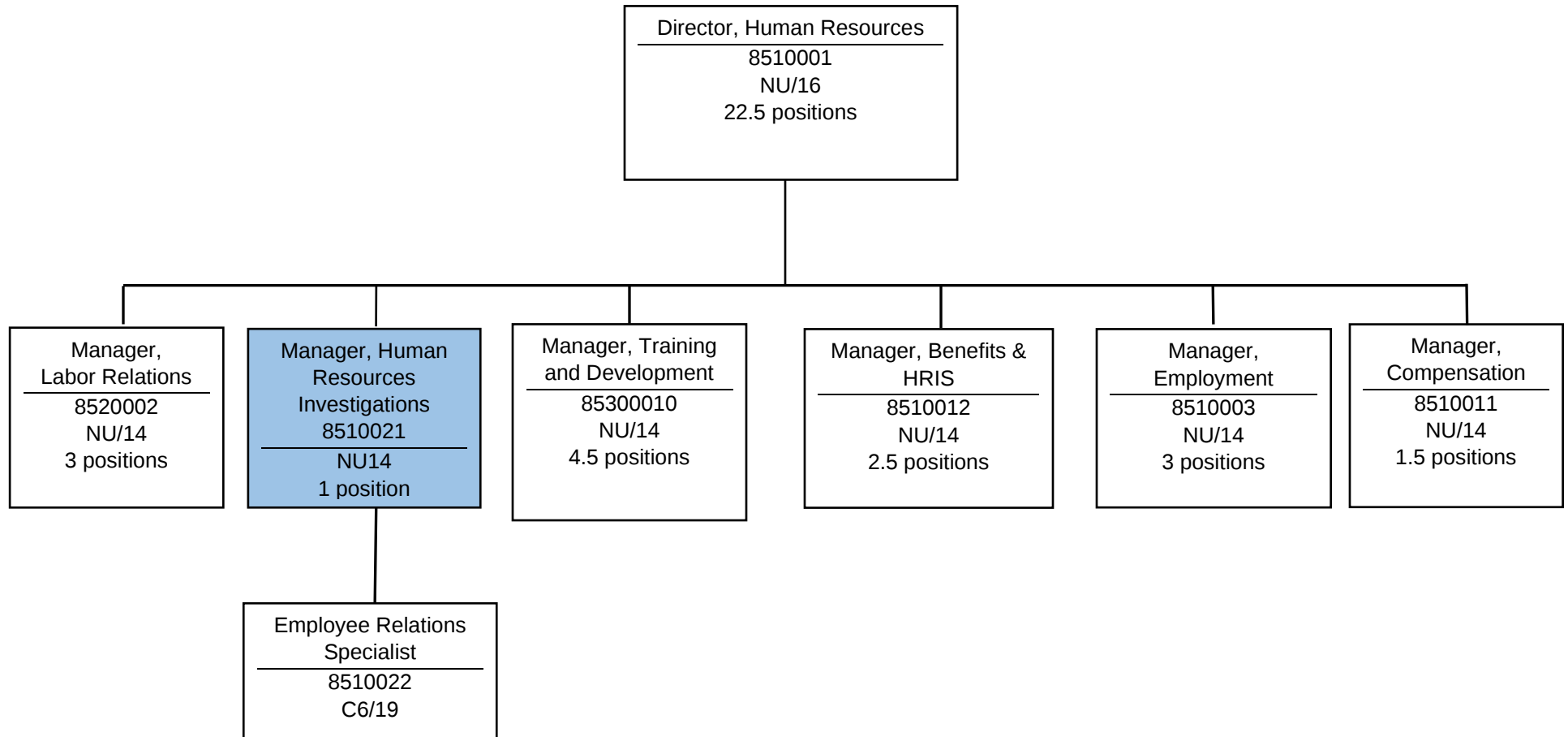
WORK ENVIRONMENT:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job. While performing the duties of this job, the employee regularly works in an office environment.

The noise level in the work environment is usually a moderately quiet office setting. This position may be eligible for up to 50% telework.

November 2024

**Administration Division
Human Resources Department
Org chart November 2025**





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Kara Buckley
VICE CHAIR

Kimberly Sherman Stampler
VICE CHAIR

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Kate Dineen
PRESIDENT & CEO

Richard A. Dimino
PRESIDENT EMERITUS

*former Chair

November 13, 2025

Massachusetts Water Resources Authority
Deer Island, 33 Tafts Avenue
Boston, Massachusetts 02128

RE: A Better City's Comments on the MWRA's Proposed Charles River, Mystic River, and Neponset River Reclassifications

Executive Director Laskey, Chair Tepper, and Members of the Board:

On behalf of A Better City, thank you to your vision and leadership in advancing your critical mission of providing reliable, cost-effective, high-quality water and sewer services that protect public health, promote environmental stewardship, maintain customer confidence, and support a prosperous economy. Because of your efforts, meaningful progress has been made to stop the release of sewage overflows and street runoff into the Charles River, Mystic River, and Neponset River. We were surprised and disappointed to see the MWRA's recent proposal to change the water quality classification of the Charles, Mystic, and Neponset, explicitly allowing for releases of sewage overflows.

A Better City has championed the implementation of regional climate resilience solutions that help to protect our local ecosystems, communities, critical infrastructure, and regional economy. More recently, in [our comments regarding Boston's Draft Climate Action Plan for 2030](#), A Better City highlighted the imperative to address the issue of increasing combined-sewer overflow events that have closed local beaches during hot summer months.

In closing, we urge you to reconsider the proposal to reclassify the Charles River, as well as the Mystic River and Neponset River—and to more broadly redouble your long-standing commitment to improve the water quality of the Charles, Mystic, and Neponset Rivers, which are vital to our region's environmental and economic vitality alike. We remain ready and eager to partner with the MWRA on the implementation of climate resilient solutions.

Sincerely,

Yve Torrie
Director of Climate, Energy, & Resilience

Isabella Gambill
Assistant Director of Climate, Energy, & Resilience



November 19, 2025

Via email

Massachusetts Water Resources Authority
2 Griffin Way
Chelsea, MA 02150

Re: Combined Sewer Overflow Long Term Control Plan

Dear Members of the MWRA Board of Directors,

On behalf of the thousands of CRWA members and supporters, and the 1M+ greater Boston residents who recreate on the Charles River each year, we would like to propose a path forward that reflects MWRA's mission to "protect public health, promote environmental stewardship" as well as the strong preference of the thousands of Boston area residents who have spoken out about the vote you will take today. **The path begins with a firm rejection of the recommendation before you, and is followed by a process that is truly transparent and respectful of the public.**

As a reminder, the mission of Charles River Watershed Association since our founding in 1965 has been to "protect, restore and enhance the Charles River and its watershed," and we use science, advocacy, and the law to carry out that mission. CRWA has been an essential voice for decades in the improvement of the Charles River, and increasing public access to the river. We have a well-earned reputation for centering data, science, and evidence to guide our advocacy, and our recommendation to you today reflects that philosophy.

We understand that it may appear to you that we are asking you to change course abruptly after what has been described as a thorough process to arrive at a recommendation. As one of the most active participants in this process, we are here to say **this process was not genuine or effective**. For a long period of time CRWA deferred to the MWRA technical team working on this process, and we were willing to accept it as a genuine good faith effort to engage the public, as was directed in the variances. However, earlier this year we became alarmed at how the process was proceeding, so much so that we raised alarms directly with the team and with MassDEP, well before these final results were shared. Please see our correspondence to the team detailing these concerns dated July 28, 2025, subject line: *CRWA has serious concerns with updated LTCP planning process*. Since the time of writing that correspondence, the process has only degraded further, and we provide the following details to support our claim on that front.

Charles River Watershed Association

41 West Street, Boston, MA 02111 | 617 540 5650 | www.crwa.org

If you vote to approve the recommendation before you, please be aware that you would be doing so in defiance of the majority of the residents who participated in this process.

1. There were public meetings but public input was not incorporated into the plan. Please take the time to watch the September 29 listening session and review the language of the unanimously approved Cambridge City Council motion included below, and ask yourself if the recommended alternative aligns with, or completely defies, public input. We do acknowledge, there is one commenter on the listening session, Matt Romero of the MWRA Advisory Board, whose comments were considered with the selection of the lowest cost options.

Cambridge City Council Motion:

That the City Manager be and hereby is requested to work with relevant City departments and the recently formed coalition to consider options including consideration of costs and benefits to meet a 2050 25 year storm level of control of CSOs, update regulations for private development of stormwater, use of green infrastructure, and improve meaningful public outreach regarding ongoing sewer and stormwater investments, including the creation of a Combined Sewer Overflow Commission.

2. Despite requests and clear documented interest in seeing them, the alternatives were not shared with stakeholders or the public in time for us to have any feedback on specific alternatives. There are certain elements we like in particular alternatives, but there was no time for a discussion of how alternatives could be combined or rearranged to develop alternatives that align more closely with community goals and values, let alone to develop new alternatives that are specifically informed by the public.
3. This Board has not been provided complete information. You are being asked to approve an alternative without the following critical pieces of data:
 - a. Full typical year overflow volume in the Charles River - the data provided appears to be for 9 of the 10 outfalls in the Charles River system and does include overflows into the Muddy which flow into the Charles in an area MWRA demonstrates is heavily impacted by CSOs.
 - b. Overflow volume in the 2050 5-yr and 25-yr events. If this is provided at the November 19th meeting it is not being provided in enough time to truly digest the information, once again with no time for public review and comment.
4. Despite requests and clear documented interest in knowing the target level of control, we as stakeholders and as members of the public who participate in this process were never provided notice of this decision, let alone an opportunity to weigh in on it. At CRWA, we learned about the selection of the "Some CSOs in the Typical Year" level of control when a savvy ally found a slideshow posted in advance of a Somerville City Council meeting and sent it to us. The first public presentation by the MWRA technical team, as far as we are aware, was the October 22 board meeting. Despite preregistering for each of the public meetings, we were not sent an invitation to this meeting to see the results of this process. Public engagement best practices were not followed.

5. MWRA's technical team is saying there will be more time for discussion and public input after the draft is complete, but the reality is a draft that includes this as the preferred alternative with no public input incorporated on possible other alternatives is not providing the public with a meaningful opportunity to engage in actually finding a reasonable solution. It is signaling to the public that their input and comments were not listened to in the past, and are not going to be listened to in the future.

We request that you VOTE NO today. We request that at a minimum you take the following steps to address the failures in the process to date prior to making any approvals.

1. Transition leadership of this process away from the technical team. They have done a significant amount of work, but their leadership is not meeting the present need.
2. Put a trained and experienced community engagement specialist in charge of the process.
3. Allow the public to weigh in on all the alternatives, take in feedback as is reasonable and adjust alternatives as necessary.
4. Allow the public to weigh in on the selection of the level of control.
5. Allow the public, who will pay for this plan, the opportunity to weigh in on what they value and how they like to see their hard earned dollars spent.

Sincerely,

A handwritten signature in black ink that reads "Emily Norton". The signature is fluid and cursive, with a long, sweeping underline.

Emily Norton
Executive Director

Attachments:

[Attachment 11.19comments.pdf](#)



Julie Wood <jwood@crwa.org>

CRWA has serious concerns with updated LTCP planning process

15 messages

Julie Wood <jwood@crwa.org>

Mon, Jul 28, 2025 at 4:46 PM

To: "Hall, Jeremy" <Jeremy.Hall@mwra.com>, "cwoodbury@cambridgema.gov" <cwoodbury@cambridgema.gov>, "Kubaska, Brian" <Brian.Kubaska@mwra.com>, "Wilcox, Jim" <jwilcox@cambridgema.gov>, Rich Raiche <rraiche@somervillema.gov>, lhiller@cambridgema.gov, gcortese@somervillema.gov
Cc: Emily Norton <enorton@crwa.org>, Max Rome <mrome@crwa.org>, Ona Ferguson <oferguson@cbi.org>, Abby Fullem <afullem@cbi.org>

Dear MWRA, Cambridge and Somerville CSO Partners,

We are writing to you today in furtherance of our shared goal of developing an effective, ambitious, community-supported Updated Long Term Control Plan (LTCP) that meets the needs of the greater Boston community and respects the role the Charles River plays in making this a truly world class city.

We are deeply disappointed by the lack of opportunities to provide meaningful input on the technical and financial aspects of the updated LTCP to date. This has been a challenge from the start of the process, but the recent rescheduling of public meeting #5 from the spring to the fall has considerably exacerbated these concerns given the upcoming submittal of the draft Updated LTCP at the end of 2025. We are writing to you directly with these concerns but we will also be addressing these with MassDEP and EPA.

Furthermore, we are disappointed that the ***input and feedback we have provided over the last two years has been largely ignored***. It appears that the draft Updated LTCP will be submitted to MassDEP and EPA for their review without CRWA and other stakeholders having provided meaningful input on the key elements of the plan; ***the draft Updated LTCP will not include any meaningful public input and will not represent any sort of consensus with the public. We need to be given an opportunity to weigh in before a draft plan is finalized and shared with MassDEP and EPA.***

Interim deliverables have not been completed on time to allow public review

The timeline presented in January 2025 (see below) indicates that pieces of the Alternatives Development & Analysis task would be completed **prior** to the milestone of the draft Updated LTCP being submitted to EPA and MassDEP. ***This has not happened; to date, substantive comprehensive information that would allow us and other engaged stakeholders to provide meaningful input has not been provided on these topics.***

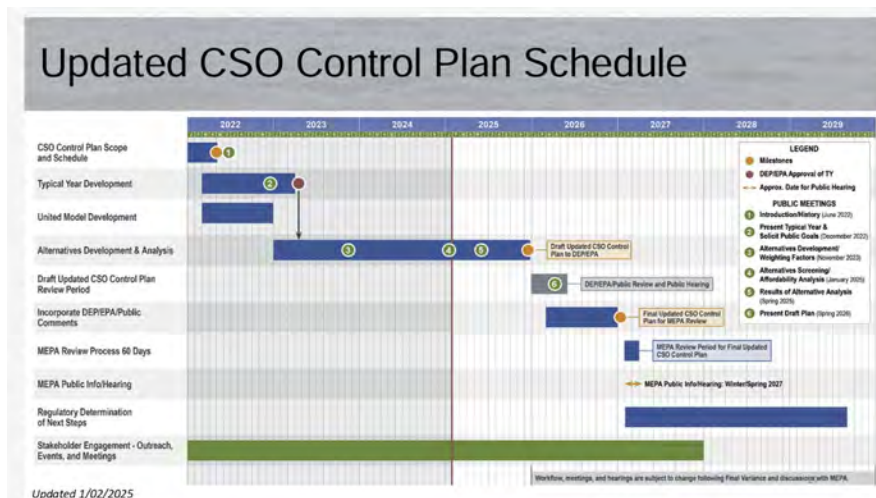


Figure 1. Updated CSO Control Plan Schedule January 2025

Based on the Figure 1 schedule you shared this past January, CRWA anticipated having the results of the alternatives analysis and the FCA in June 2025 at the latest. This original timeline would have given us four or five months to review these materials, engage additional experts to review them as needed (at our own expense), and provide comments *prior* to the parties finalizing the draft Updated LTCP and submitting it to EPA and MassDEP in December 2025. We also planned to share our comments with EPA and MassDEP so that our comments could help inform the regulatory agencies' consideration of the draft Updated LTCP. This is no longer possible.

The Variance requirement for *meaningful* public participation has not been met.

The outcome of this process and what ultimately happens with CSOs on the Charles is of critical importance to CRWA as it truly impacts our ability to see our mission realized. Beyond our organizational interest in participating in this process, however, you are required to facilitate meaningful public participation so that the resulting plan represents some level of consensus and is responsive to public values—public support and investment are necessary to successfully implement the Updated LTCP. The Final Determination to Adopt a Water Quality Standards Variance for Combined Sewer Overflow Discharges to Lower Lower Charles River/Charles Basin (the Variance) states:

A public participation plan ***sufficient to provide ample opportunities for the public to be informed about the development of the Plans at critical junctures, and to have opportunities to provide informed comments on the CSO abatement alternatives and recommendations.*** In addition to public meetings already held, MWRA and the City of Cambridge shall hold public meetings to present on Alternatives Screening/Affordability Analysis (anticipated Fall 2024/Winter 2025) and Results of Alternative Analysis (anticipated Spring 2025). ***MWRA and the City of Cambridge shall conduct robust public outreach to Environmental Justice communities that about the Variance waters.***

We have not been provided adequate information at critical junctures in a manner that would allow us to provide informed comments on the CSO abatement alternatives and recommendations. We have been provided small snippets of information with promises for more to come. For a long time, we accepted these promises, however, there is no longer time for you to comply with this requirement before the draft Updated LTCP is finalized. As noted, we will be addressing this directly with EPA and MassDEP. By our observation,

you have pushed the timeline to meet *your* needs and capacity without consideration of how it would impede public participation.

We are also not informed enough about the public outreach MWRA and the City of Cambridge have conducted to Environmental Justice communities that about the Variance waters ***and request additional details be provided to us on this effort.***

Feedback and input provided to date has been rarely acknowledged or incorporated.

Despite actively participating in this process and dedicating considerable time and resources to ensure successful development of an Updated LTCP, very little of our feedback and input have been meaningfully incorporated into the work; most of our requests and comments have been ignored.

One example is the alternatives evaluation criteria. A preliminary list of evaluation criteria (Figure 2) was shared in November 2023. Since that time, CRWA and other members of the public have provided many comments in meetings and via email that presumably would have been incorporated into the alternatives development and selection process per the final bulleted item on the slide: “Other criteria based on public feedback.” However, nearly the exact same list of evaluation criteria was shared again in January 2025, over an entire year later, with the only difference being one small wording change to one criteria. Despite over a full year of work on a process that is supposed to have meaningful public input, clearly nothing has meaningfully changed in response to extensive public feedback and no clear directions have been given on how to provide input in a way that it would be meaningfully incorporated. (Public input was provided at the November 2023 meeting and in various forums throughout 2024, including smaller stakeholder meetings and communications about the ongoing Boston Harbor lawsuit.) Additionally, to our point above about not providing adequate information for us to be able to provide feedback, neither of these slides includes any mention of if or how these criteria would be weighted.



Figure 2. Slide 55 from November 2023



Figure 3. Slide 26 from January 2025

The April 2025 listening session was another opportunity to hear from the public and make changes to the evaluation criteria based on the values and concerns expressed, but as of the writing of this email, no updated list of criteria has been shared that reflects that input. In absence of any clear direction on how to provide input on this list, we are providing our input below. ***We ask that you review the feedback below and respond to us directly, including details on how these comments will and will not be incorporated into the alternatives analysis.***

We do appreciate that our request to consider climate change in the typical year was acknowledged and acted upon. As we hope you have seen, we have publicly lauded your team for taking this step on multiple occasions.

We also appreciate you hosting the listening session which, as noted, was a critical opportunity for CRWA and local residents to make their voices heard on the importance of ending CSOs in the Charles and Mystic Rivers and the Alewife Brook. We expect you heard that message loud and clear, as this was the sentiment expressed by the vast majority of those who took the time to attend and speak. This input is meaningless if not incorporated into the plan elements. ***We request that you create a transcript of the listening session and document how input has been or will be incorporated.***

Public Comments for your Consideration

Lastly, we want to take the opportunity to provide the following substantive comments on the alternatives analysis preliminary criteria, as we understand them at this point. It is our understanding that the parties have finalized and are utilizing evaluation criteria for the alternatives analysis, but we have not seen the final list of criteria being used by the parties. Absent clear guidance on how to provide input on this, and not knowing whether feedback we have previously provided and concerns we have previously raised have been considered or incorporated into the final criteria being utilized, we provide the following substantive input, which is based on the list of preliminary evaluation criteria provided in November 2023 and January 2025.

- **Reduce/eliminate combined sewer overflows** - We recommend weighing this criteria heavily. We will be making a very strong push with state law makers, residents, and regulators to outlaw CSOs in Massachusetts in the next few decades. This outdated infrastructure is dangerous and disgusting and does not fit with the priorities of our community—as has been abundantly clear in all public interactions to date.
- **Reduce flooding/flooding impacts** - We recommend weighing this criteria heavily; this is a unique opportunity to address multiple challenges through a singular investment.
- **Reduce sanitary sewer overflows** - We support inclusion of this as a metric.
- **Improve water quality** - We would like more information about how this will be assessed; previously, we have not been fully aligned with MWRA on their assessment of water quality and water quality impacts.
- **Improve resilience of our infrastructure to future climate conditions** - We would like more information about how this will be assessed.
- **Improve service to low income and minority communities** - We would like more information about this criteria: what service will be improved, how will improvements be measured, have low income and minority customers been engaged directly to discuss this?
- **Offers community co-benefits (e.g., green space, gathering space, heat reduction)** - We would like more information about this criteria: how will this be defined and measured, what input from the community have you used to define this criteria, how will these be measured? While we acknowledge that you have noted our general interest and preference for green stormwater infrastructure (GSI) when we made a specific request for you to eliminate a self-imposed cap on GSI as a tool, this request was not accommodated as far as we know. In general, we request that community co-benefits be heavily weighted and in fact, would like to see a full analysis of these benefits similar to what other cities have done through triple bottom line analysis. We specifically request information on how the required outreach to EJ communities has influenced this metric, what did you hear EJ communities say and how did you address it?
- **Minimize neighborhood disruption during construction** - Community members have specifically pushed back on this being included as a metric, but it still remains on the list.
- **Minimize costs to ratepayers / taxpayers** - It is not clear why this would be a criteria here when this is essentially the purpose of the FCA; we request an explanation of this criteria so it is clear this is not being double counted in any way.

- **Other criteria based on public feedback** - What other criteria will be included based on the public input you have received since November 2023?

In partnership for a cleaner Charles River,

Julie Wood, on behalf of the CRWA team

--

Julie Dyer Wood | she/hers

Climate Resilience Director

Charles River Watershed Association

Lands of the Massachusetts, Nipmuc, and Wampanoag tribes

41 West St. Floor 8 | Boston, MA 02111

t 617.540.5650 x 1081 | jwood@crwa.org

Twitter | Facebook | Instagram



November 19, 2025

Via email

Massachusetts Water Resources Authority
2 Griffin Way
Chelsea, MA 02150

Re: Combined Sewer Overflow Long Term Control Plan

To the MWRA Board,

We are writing in regards to the vote at your November 19 Board meeting whether to approve the MWRA staff recommendation to allow more sewage in the Charles and Mystic Rivers and Alewife Brook as the updated Long Term Control Plan.

As leaders of organizations committed to protecting the air, water, land and community health and resilience of our Commonwealth, we firmly oppose this plan and urge a NO vote on November 19th.

The cleanup of the Boston Harbor and its rivers is one of the major environmental success stories of our country. It is the story of MWRA. It is inconceivable that the MWRA would choose to give up before the job is done. Your founding leaders put forth an ambitious Long Term Control Plan to **significantly reduce** combined sewer overflows (CSOs). The updated Plan you are being asked to approve **increases overflow volumes and cements CSOs in place forever!**

We know from our work in our communities that the residents of Massachusetts value our state's natural resources and support investing to protect them. Consigning the Charles and Mystic Rivers to sewage discharges forever would not only harm the residents near those rivers, it would send a message to all our residents to give up on the idea of protecting your own local rivers, streams, beaches, ponds and lakes. Sewage discharges also have negative public health impacts that research has shown disproportionately affect environmental justice communities. It is long past time to make the necessary investments in the Charles and Mystic and Alewife Brook, and indeed in all our rivers across Massachusetts, to end sewage discharges forever.

Sincerely,

Laura Gardner, *Chair*, Unitarian Universalist Society of Fairhaven, Green Sanctuary Team

Laura Jasinski, *Executive Director*, Charles River Conservancy

Patricia-Maria Weinmann, *Co-Lead Communications*, Third Act MA

Vick Mohanka, *Director*, Sierra Club Massachusetts

Rev. Rob Mark, *Lead Pastor*, Church of the Covenant, Boston

David Schreiber, *Vice President*, Jewish Climate Action Network

Alan Gordon, *President*, Green Newton

Rev. Michael Reed, *Executive Director*, Massachusetts Interfaith Power & Light

Tori Stevens, *Executive Director*, Head of the Charles Regatta

Heather Clish, *Policy Director*, Massachusetts Rivers Alliance

Timothy Fulham, *Chair*, Head of the Charles Regatta

Sonja Wadman, *Executive Director*, Waltham Land Trust

Benjamin Cote, *President*, Friends of the Ten Mile River Watershed

Arianna Alexandra Collins, *Executive Director*, Hoosic River Watershed Association (HooRWA)

Matthew Brown, *Executive Director*, OARS

Gloria Bancroft, *Coordinator*, Taunton River Watershed Alliance

Pine duBois, *Executive Director*, Jones River Watershed Association

Samantha Woods, *Executive Director*, North and South Rivers Watershed Association

Christine Collins, *Member*, Cambridge Boat Club

Erin Bonney Casey, *Executive Director*, Ipswich River Watershed Association

Caroline Reeves, *Co-Founder*, Muddy Water Initiative

Ian Cooke, *Executive Director*, Neponset River Watershed Association

Katy Rourke Wilson, *Chair*, Friends of the Palmer River

Matthew J. Collins, *Member*, Cambridge Boat Club

Eric Grunebaum, *Director/Co-founder*, Friends of Jerry's Pond

Courtney Rau Rogers and Courtney Henderson, League of Women Voters of Massachusetts

Katharine Andres, *Rower*, Cambridge Boat Club

Chris Redfern, *Executive Director*, Friends of the Middlesex Fells Reservation

Michael Yeomans, Greater Boston Chapter of Trout Unlimited

E. Heidi Ricci, *Director of Policy and Advocacy*, Mass Audubon

Karen Chenausky, *President*, Riverside Boat Club

Nina Gordon-Kirsch, *Massachusetts River Steward*, Connecticut River Conservancy

Deborah Weaver, *Director*, Westport River Watershed Alliance

Tracey Honan, *Co-coordinator*, Winthrop Mothers Out Front

Rachael Boyce, *Climate Justice and Resilience Manager*, Better Future Project

Alan Alai, *President*, Cape Cod Trout Unlimited

Clare Soria, *Staff Attorney*, Conservation Law Foundation

Kane Larin, *Director of Operations*, Community Rowing, Inc.

John M. Lambert, *President*, Cambridge Boat Club

Zachary Sheldon, *Policy Manager*, The Nature Conservancy

Michael Tobin, *President*, Wellesley Conservation Land Trust

Sandra Cardillo, *Interim Head Coach*, Simmons University

Robb Johnson, *Executive Director*, Massachusetts Land Trust Coalition

Terry Riccio, *Rower*, Cambridge Boat Club

Kate McPherson, *Narragansett Bay Riverkeeper*, Save The Bay

Stefanie Covino, *Executive Director*, Blackstone Watershed Collaborative

Vickash Mohanka, *Chapter Director*, Sierra Club Massachusetts

Sean M. Lynn-Jones, *President*, Brookline GreenSpace Alliance

Margaret Pokorny, *Board Member*, Charlesgate Alliance

John Carroll, *President*, Union Boat Club

Karen Mauney-Brodek, *President*, Emerald Necklace Conservancy

Aimee Petras, *Executive Director*, Farmington River Watershed Association

Peter Coffin, *President*, Blackstone River Watershed Association

Steven Nutter, *Executive Director*, Green Cambridge

CC:

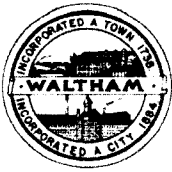
DEP Commissioner Bonnie Heiple

Governor Maura Healey

Lt Governor Kim Driscoll

US Senator Ed Markey

US Senator Elizabeth Warren



CITY OF WALTHAM
Massachusetts

Robert G. Logan
City Councillor

109 Taylor Street
Waltham, MA 02453-8630
(781)893-3572
RLogan@City.Waltham.MA.US

November 12, 2025

To the MWRA Board,

I am writing in regards to your upcoming vote at your November 19th Board meeting on a recommendation from MWRA staff that would consign the Charles River to higher levels of sewage discharges going forward.

As an elected official within the Charles River watershed, we urge you to reject this recommendation and vote NO on November 19th.

Our long-term residents remember when the Boston Harbor and Charles River were lifeless and reeked of sewage. They remember the presidential campaign when George HW Bush came to Boston to embarrass Governor Dukakis for having the "most polluted harbor in America." The cleanup of the Boston Harbor is considered one of the greatest environmental achievements in our nation's history. Why did we clean it up only to turn it back into a dumping ground for sewage?

Our residents care deeply about clean water and the health of the Charles River. We are well aware that the Charles is much cleaner than it was, and MWRA is to be commended for its prior work to reduce sewage overflows. We are also aware that MWRA ratepayers, including our residents, have paid for the improvements to date, improvements we don't want to see erased.

We were surprised and dismayed to hear that of the four options under consideration for the next phase of CSO control, MWRA staff are recommending that you choose an option that increases the volume of discharges in coming years and ensures sewage will forever be dumped into the Charles. This decision is being made in the dark, with many of us only learning about this in the Boston Globe or when constituents reached out to us.

Instead, we want you to communicate to the MWRA staff that you support the highest level of CSO control. And we vehemently oppose any attempts to downgrade the water quality standards classification of the Charles River to a Class B (CSO). This would be a disastrous result, making the status quo a river regularly polluted with sewage and unsafe for recreation and disincentivizing any future efforts to clean it up.

Let us be clear: our residents want and deserve a clean and healthy Charles River. They have invested in the cleanup to date, they want to see the job finished. They want to see the Charles safe enough for boating, they want it safe enough for swimming, they want to end the practice of using it as a sewer.

We are doing our part to clean up the Charles River by honoring our obligations and reducing stormwater pollution under the MS4 permit. And when it comes to sewage, we are not allowed to be doing what MWRA is doing, dumping it into the river; under the MS4 permit, if we detect an illicit discharge, we are obligated to "locate, confirm the source(s), and eliminate the illicit discharge as expeditiously as possible" because "[d]ischarges from an MS4 that are mixed with an illicit discharge ... remain unlawful until eliminated." Unlike the MWRA, we are not granted a variance from the water quality standards for decades. To see MWRA attempting to shirk its responsibilities now, after decades of investment, is not acceptable to us.

We are doing our part, we are asking you to do your part to finish the job of cleaning up the Charles River. Thank you!

Sincerely,



Robert G. Logan
Waltham City Councillor

CC:

DEP Commissioner Bonnie Heiple
Governor Maura Healey
Lt Governor Kim Driscoll
US Congressman Katherine Clark
US Senator Ed Markey
US Senator Elizabeth Warren
State Representative John Lawn
State Senator Michael Barrett

BOARD OF
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November 13, 2025

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Carolina Säve
Mary Lou Seidner
Frederic Wittmann

To: Massachusetts Water Resources Authority (MWRA) Board of Directors
Attn: Kristen MacDougall, kristin.MacDougall@mwra.com
RE: **MWRA Staff Recommendation to Reclassify the Charles River as a Class B (CSO)**

Dear Board Chair Secretary Rebecca Tepper and Directors of the MWRA Board,

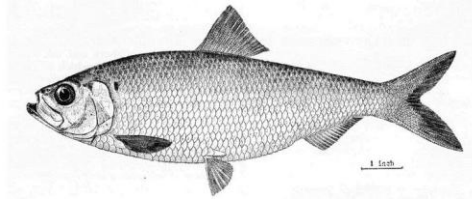
I share with scores of others a deep concern for the future of the Charles River Esplanade state park, part of the entire Charles River watershed, and especially for present and future generations who seek to benefit from access to the Charles' healthy waters. I write as a local citizen born, raised and professionally dedicated to improving my hometown of Boston, who has witnessed the positive impact of MWRA's decades of work to reduce sewage outflows into the basin in which I have personally rowed and swam. I also write as Director of the Esplanade Association (EA), which since 2001 has met our nonprofit mission to "make life better on the Esplanade for all" for its 4 million annual visitors. As an organization that works in partnership not only with the State but with dozens of fellow organizations that meet *their* missions with public users of the Esplanade, EA has witnessed for over 3 decades how the increased health of the Charles is inextricably intertwined with the improved ecological, economic, social vitality of Greater Boston overall.

Given EA's history of raising more than \$30M to date to increase community connection, ecological care, and public health through major programs and projects on the Charles' 64-acre Boston riverfront, we know first-hand how much year-over-year improvements to the Charles have meant to park users, partners and supporters committed to greenspace and bluespace renewal. The Charles is not simply adjacent to but integral to EA's work. With recent and upcoming transformational investments to expand access to the Charles River—from this summer's Gronk Playground celebration to which Rob Gronkowski arrived from a Duck Boat on the Charles, to next year's opening of the 2-acre Charlesbank campus which will welcome more people from more places and abilities to the Charles for all four season seasons, to ongoing planning efforts to reconnect pedestrian and park connections between the Emerald Necklace and Esplanade and daylight the Muddy River at Charlesgate—EA has shown ever stronger commitment to inviting people to a healthier Charles. We have followed the August 2025 report on Governor Healey's 2023 Executive Order No.618: Biodiversity Conservation in Massachusetts, and believe a clean Charles would be one of the Commonwealth's most visible means to meet the commitment to restore habitat (page 20). So it is understandably alarming that the MWRA may consider reclassifying the Charles as a Class B (CSO) and forego future efforts (in partnership with municipalities and other partners) to close the remaining CSOs, which we understand (with climate changes impending increase to storms) will significantly decrease the health of the river—and the experience of the Esplanade. Despite many decades of progress by MWRA's staff, by EA, and numerous other organizations to improve the Charles watershed, EA fears that this recommendation will take all of us backwards, render our efforts and investments moot, and be a detriment to future public health. **I write on behalf of EA to respectfully request that you please heed the chorus of community concern and unwavering dedication to a CSO-free Charles, to please vote NO on the recommendation to downgrade the Charles classification, and further, to please direct MWRA staff to collaboratively pursue alternative creative ideas for investment and technical solutions to meet their longstanding commitment to clean the vital freshwater heart of Greater Boston.** While it's been a marathon to get to this point, please stay the course to cross the finish line. Together, we can meet our MA Biodiversity Goals.

Gratefully,

Jen Mergel, James and Audrey Foster Executive Director (jmergel@esplanade.org, 617-851-2536)

Save the Alewife Brook



Environmental Health is Community Health

The Honorable Rebecca Tepper
Secretary Executive Office of Energy and Environmental Affairs
100 Cambridge Street, Suite 900
Boston, MA 02114

MWRA Board of Directors
c/o Frederick Laskey, Executive Director
Deer Island Reception/Training Building, Favaloro Meeting Room
33 Tafts Avenue
Boston, MA 02128

RE: Request for a greater investment from MWRA and a more effective approach to the Alewife Brook updated CSO Control Long-Term Plan

Dear Secretary Tepper and Members of the MWRA Board of Directors:

Please see the attached Petition to End Alewife Brook Sewage Pollution with 3,438 signatures.

Thank you for taking the time to consider the impacts of untreated combined sewer overflows at Alewife Brook. We respectfully request that you provide sufficient MWRA funding to properly incentivize the cities of Cambridge and Somerville, along with MWRA, to create a Long-Term Combined Sewer Overflow (CSO) Control Plan for Alewife Brook that achieves the same goals as the first Alewife Brook Long Term Control Plan. This would include achieving a 25-year storm level of control for all the CSOs along the Brook.

We urge you to reject the proposed Alewife Brook CSO Long Term Control Plan Preferred Alternative (3.AB Hybrid 2) and instead require the creation of a 25-year 2050 storm level of control for the Alewife Brook CSOs. As we describe below, that can be accomplished and is needed to protect the public health and environment.

Save the Alewife Brook

Environmental Health is Community Health

The Alewife Brook is about a mile & half long and as shallow as a half a foot deep.¹ It is ringed by state parkland as it flows north to the Mystic River at the Arlington-Somerville boundary. For much of its course Alewife Brook is contained in a 27' wide concrete channel. It flows from the MBTA Alewife Station and empties into the Mystic River. It is part of the Department of Conservation and Recreation (DCR) Alewife Brook Reservation, a public park².

In 2021, the MWRA and the cities of Cambridge and Somerville dumped a total of 50.74 million gallons of untreated sewage pollution into Alewife Brook from their CSOs.³ In 2023, those same entities dumped more than 25 million gallons of untreated sewage pollution into Alewife Brook from their CSOs.⁴ Those pollution totals are significantly more than the allowable amount in a typical year.⁵

During some rainstorms when CSOs are dumping untreated sewage pollution into Alewife Brook, the brook overflows its banks into Arlington, covering parts of the Alewife Brook Reservation with untreated human and industrial sewage wastes from CSOs. We saw that flooding five times in 2023.⁶ Many people use the Greenway path in the Reservation to get to and from the Alewife MBTA Station and for recreation. When Alewife Brook has flooded, people have pushed babies in strollers⁷ and biked through contaminated waters⁸ on the Greenway. Especially troubling, in very large storms CSO sewage contaminated waters from Alewife Brook have flooded yards and homes of people who live near the Brook. Flooding of the Greenway and into residential areas is a public health risk.⁹ Climate change threatens to exacerbate this problem, with wetter rain seasons, more frequent and more severe storms, and sea level rise.

A review of FEMA flood maps reveals an estimated 1,200 east Arlington residents, 3,500 Cambridge residents, and 300 Belmont residents live in the Little River – Alewife Brook 100-year flood plain,¹⁰ including

¹ Alewife Brook's designed depth is 6'. The channel has accumulated 34-40" of sediment. 3' is the maximum depth. It is much shallower in the shoals. <https://savethealewifebrook.org/2022/07/28/d-is-for-dredge/>

² This sprawling urban forest is filled with wetlands and a variety of birds. Walk along limited trails to see a rare side of nature without leaving the city. <https://www.mass.gov/locations/alewife-brook-reservation>.

³ MWRA annual CSO report for 2021, dated April 29, 2022.

⁴ [RPubs - Mystic River Watershed CSOs 2023](#).

⁵ Exhibit B to Second Stipulation of the United States and the Massachusetts Water Resources Authority on Responsibility and Legal Liability for Combined Sewer Overflows, as amended by the Federal District Court on May 7, 2008 (the "Second CSO Stipulation"). The Long Term Control Plan permitted annual total for Alewife Brook is 7.29 MG. That represents an annual average limit because there will always be variations from year to year. Significantly, for the past nine years, the average annual discharges have been more than twice the permitted level – showing the impacts of climate change and the inadequate capacity of the sewer system to handle flows and highlighting the disutility of relying on typical year modeling as a substitute for real conditions.

⁶ No entity is required to monitor, document, and report flooding of the brook. It is seen and experienced by those who live near Alewife Brook and by those who use the DCR park. Save the Alewife Brook documented the flooding here:

<https://savethealewifebrook.org/2024/11/09/alewife-brook-flooding/>

⁷ https://youtu.be/FQL_M5UWSKs?si=5r0EXRN0azUdK5bl

⁸ <https://youtu.be/U7eueqNOuSo?si=WxYk1c6y8iOSP-WR>

⁹ Public health officials recommend avoiding contact with active CSO receiving waters during rainstorms and for 48 hours afterwards as there may be increased risks due to bacteria and pollutants associated with urban stormwater runoff and CSOs. <https://www.mwra.com/03sewer/html/sewco.htm>.

¹⁰ <https://www.mapsonline.net/arlingtonma/index.html> (click on FEMA Flood Hazard Layers tab).

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many in Environmental Justice neighborhoods.¹¹ They may all be subjected to CSO contaminated floodwaters. In addition, the Alewife Reservation is their local park as well as a necessary path to public transportation. CSO contaminated floodwaters hamper that use.

Public Health Impacts

There have been documented cases of illness following exposure to Alewife Brook floodwaters. Reports have included gastrointestinal illness – flu-like symptoms, severe cramps, diarrhea, gastroenteritis, and dysentery – following Alewife CSO discharges. A 2024 Boston University School of Public Health study¹² found a correlation between acute gastrointestinal illness and CSOs, with a possible link to aerosolized particulates.

Per the State Legislature’s MWRA Enabling Act, the MWRA was created for the preservation and improvement of the health... and living conditions of the citizenry by providing an adequate sewage collection, treatment and disposal system. MWRA is not living up to this mandate at Alewife Brook.

MWRA has reported peak counts of E. coli in Alewife Brook during CSO activations that are a hundred times above the class B standard for the Alewife Brook. Some portions of Alewife Brook have E. coli levels that are almost 300 times higher than the EPA recreational safety threshold of 410 CFU/100 mL. This extreme bacterial count reflects dangerous contamination and a very high risk of illness from contact, far beyond what is considered safe for the existing recreational uses of the Brook. Alewife Brook flows through very densely populated neighborhoods, putting many residents at risk.

Needed Increase in MWRA Funding

We respectfully request that the MWRA provides a higher level of funding for the Alewife Brook updated Long Term CSO Control Plan (LTCP) to address the disproportionate health impact associated with exposure to untreated sewage flooding at Alewife Brook.

The MWRA is responsible for the Alewife Brook’s sewer system. The two large “interceptors,” Alewife Brook Conduit (built in 1948) and Alewife Brook Branch Sewer (built in 1896), belong to MWRA. The Alewife Brook Pump Station at Dilboy Field is owned and operated by MWRA.

According to MWRA consultant AECOM, the regional sewer system simply cannot move this much sewage during storms. When it rains, the Deer Island treatment plant reaches capacity. Chelsea Creek Headworks

¹¹ Summary Fact Sheet for the tentative Variance at 2.

¹² Association between Combined Sewer Overflow Events and Gastrointestinal Illness in Massachusetts Municipalities with and without River-Sourced Drinking Water, 2014–2019 <https://ehp.niehs.nih.gov/doi/10.1289/ehp14213>

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backs up. Then the Alewife Brook Pump Station is overwhelmed. At that point, raw sewage from Cambridge and Somerville discharges into Alewife Brook because it has nowhere else to go.

MWRA's 2018 Wastewater Master Plan¹³ states that CSOs "add capacity" to the system. According to the Master Plan, the CSOs are intended to function as hydraulic relief for the regional sewer system. With six active untreated CSO outfalls at Alewife Brook, MWRA is using Alewife Brook as an open, raw sewer.

Governor Healey's Goals

We ask you to consider Governor Maura Healey's *Biodiversity Conservation Goals for the Commonwealth Report*, published in August 2025, which specifically calls to "significantly reduce or eliminate combined-sewer overflows (CSOs)." The current proposal does not come close to eliminating the health risks from exposure to sewage pollution at Alewife Brook.

Governor Healey is also committed to addressing the region's inequitable housing crisis by increasing affordable housing development near public transportation. However, without the elimination of Alewife CSOs, these housing investments are at risk. High bacteria loads from CSOs impact new and existing development. New sewer hookups to MWRA's Alewife interceptors will increase the volume of sewage in an already overburdened system necessitating an increase in MWRA system capacity.

The Planning Process

For the last four years, Save the Alewife Brook has appreciated being involved in the updated CSO Control Plan process. We believed that Long Term Combined Sewer Overflow Project Planners at MWRA were working in good faith to find real solutions to the impacts of raw sewage flooding. However, it now appears the aim is to avoid making required investments, as MWRA has proposed a revision of the Water Quality Standard. Needed improvements to the MWRA and local systems in the Alewife Brook cannot be circumvented by regulatory sleight of hand. The public health and environmental consequences of CSO discharges will persist. The problem must be solved, not avoided.

¹³ https://savethealewifebrook.org/wp-content/uploads/2022/04/MWRA_wastewatermasterplan_2018.pdf

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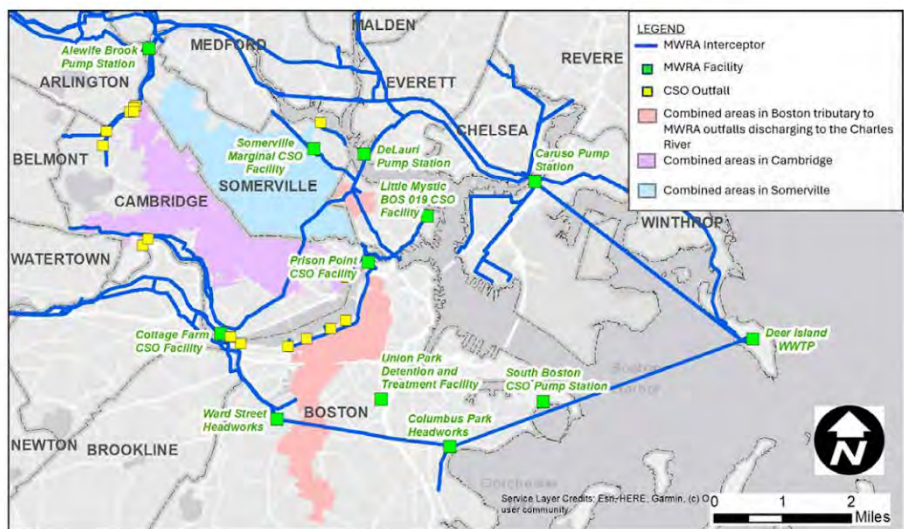
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Unworkable Alternatives

The proposal to revise the Water Quality Standard explains why the various Alternative proposals for the updated LTCP are unworkable. These plans were designed to be rejected for a number of reasons, including level of control, cost, construction impacts to the resource area, and community impacts. Such unworkable plans would support downgrading the Water Quality Standard, permitting more raw sewage flooding in community parks, bike paths, roads, yards, and homes.

For example, the 6.AB Alewife Brook Sewer Separation Alternative, shown below, includes sewer separation throughout the entire cities of Cambridge, Somerville, and Boston, even though most of the land is not tributary to Alewife Brook. The cost of sewer separation in the plan is calculated to be \$1.9 million per acre, four times what MWRA's David Coppes cited to EPA's Todd Borci in an August 8, 2023, letter on updates to the Financial Capability Analysis for variances. Mr. Coppes writes, "The unit cost per acre has been updated using sewer separation construction costs provided by the Boston Water and Sewer Commission (BWSC) for recent construction contracts in South Boston and East Boston. Based on the average cost per acre from BWSC contracts, adding a 50% contingency given the significant uncertainty by which stormwater can be conveyed to the receiving waters, the average cost is estimated to be \$510,000 per acre." In Cambridge and Somerville, about 400 acres of combined sewers discharge to 6 CSO outfalls at Alewife Brook. The preliminary cost of sewer separation at Alewife Brook should be \$204 million, not \$1,700 million. In the first Alewife Brook LTCP, Cambridge separated 283 acres tributary to Alewife Brook (CAM004 & CAM400) over an 18-year period. Therefore, a comparable concurrent 18-year timeframe is reasonable for each city, not 50+ years.

6.AB Sewer Separation	
Level of Control: 0 CSOs in 2050TY	
Key Features	Storage:
	- Tanks: 0
	- Tunnel: 0
	- Microtunnel: 0
	Conveyance: 0
Sewer Separation: 900 acres	
GSI: with separation	
Land Acquisition: Yes	
Time to Complete: 50+ years	
Preliminary Cost: \$1,700 Million	

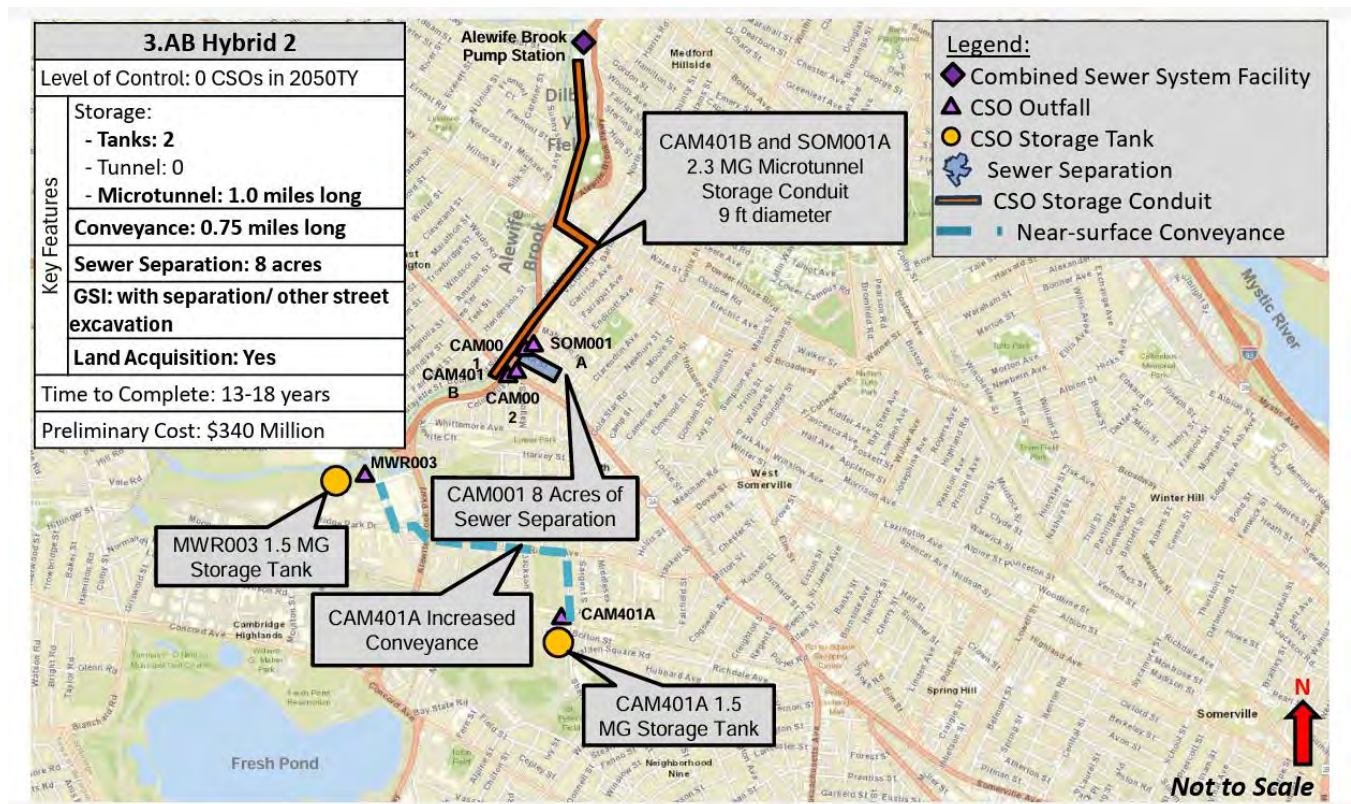


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Misleading Level of Control in the Preferred Alternative

The level of sewage pollution control proposed in the Alewife Brook Preferred Alternative (3.AB Hybrid 2), shown below, is both misleading and inadequate. The Level of Control is described as “0 CSOs in the 2050 TY.” Without understanding what a “2050 Typical Year” means, most people will assume the problem will be solved in 25 years, with zero sewage pollution by 2050. However, “0 CSOs in 2050 TY” does not mean zero CSOs; it means continued dumping of raw sewage at Alewife Brook in years that are not “typical.” Larger storms will create even greater problems than those we are experiencing now.



A Sensible Alternative for Alewife Brook

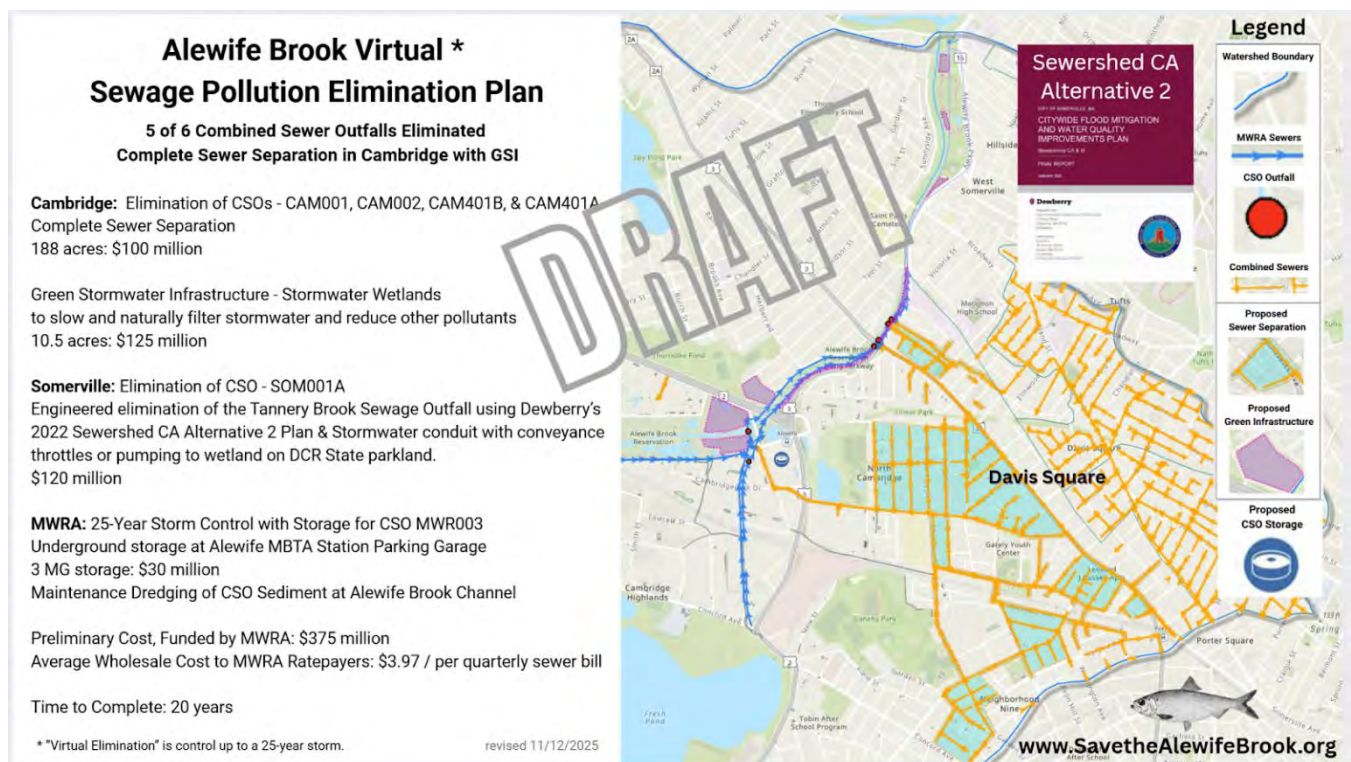
Save the Alewife Brook is developing an updated Alewife Brook CSO Control plan that achieves the virtual elimination of sewage pollution – that is, a 25-year storm level of control – using a sensible and affordable approach: sewer separation, green stormwater infrastructure, underground storage, engineering, hydraulic re-connection, and habitat restoration.

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Completed in 2015, the first Alewife Brook LTCP included eliminating 7 combined sewer outfalls, 283 acres of sewer separation (CAM004 & CAM400) in Cambridge, and construction of a 3.4-acre stormwater wetland.

Save the Alewife Brook's *Alewife Brook Virtual Sewage Pollution Elimination Plan*, shown below, continues these goals and completes the job. It includes a 25-year storm level of control by including 188 acres of sewer separation in Cambridge, and the construction of stormwater wetlands. In Somerville, our Plan would eliminate the SOM001A regulator, effectively closing that CSO outfall, using a solution from the City of Somerville's engineering study.¹⁴ Save the Alewife Brook's Alternative also includes a 3-million-gallon storage tank for MWRA's CSO (MWR003) at the Alewife MBTA parking garage to deliver a 25-year level of control. Based on the available data, the estimated cost is \$375 million –substantially lower than the Project Partners' proposal with the same level of control, priced at \$1.25 - \$2 billion.



¹⁴ CITY OF SOMERVILLE CITYWIDE FLOOD MITIGATION AND WATER QUALITY IMPROVEMENTS PLAN Sewersheds CA, Alternative 2 https://savethealewifebrook.org/wp-content/uploads/2025/09/SOM001A_Elimination_Sewershed_CA_Dewberry_flood_mitigation_plan_Alt_2.pdf

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Disproportionate Health Impact of CSOs at Alewife Brook

Alewife Brook is the location of the largest concentration of untreated CSOs in the MWRA District. The frequency of activations, volume of raw sewage, hazardous bacteria levels, public health impacts, proximity to densely populated Environmental Justice neighborhoods, small channel size, and frequent flooding—all contribute to the severity of the problem. If any area in Massachusetts requires relief from the hazardous community health effects of raw industrial and human sewage, it is Alewife Brook.

Please help us seize this once-in-a-generation opportunity to create an equitable solution for community health at Alewife Brook for current and future generations.

Sincerely,

Kristin Anderson

David White

Michael Lonetto

David Stoff

Ann McDonald

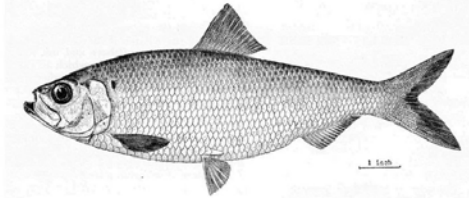
George Laite

Eppa Rixey

Eugene Benson

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11/13/2025

[Email Petition to End Alewife Brook Sewage Pollution](#)

We demand the following:

- Elimination of all Combined Sewer Overflows (CSOs) to End Sewage Pollution
- Separated Sewer Systems to keep Sewage out of Stormwater
- A Safe, Beautiful, Fishable Brook for the Residents and for Wildlife
- New Green Infrastructure on State Land for Stormwater Cleaning
- New Grey Infrastructure to Reduce Flooding in the Face of Climate Change

During some major storm events, the Alewife Brook floods into the parks, yards, and houses of area residents in Environmental Justice Communities. The flood water contains hazardous sewage that is discharged from the active CSOs owned by Cambridge, Somerville, and the MWRA. Climate change, with its wetter rainy seasons, more intense storms, and sea level rise, is expected to increase the severity and frequency of these events.

Furthermore, the MWRA's sewer infrastructure is failing to meet capacity during many rain events, causing hazardous sewage pollution discharges. In fact, the rate of sewage discharge is increasing exponentially with increase in rainwater, making this a Climate Change Emergency.

Therefore, we demand that the cities of Cambridge, Somerville, and the MWRA completely stop discharging sewage pollution into the Alewife Brook. We also demand that the Commonwealth of Massachusetts invest in urgently needed improvements to the Amelia Earhart Dam and to the Draw Seven Park along the Mystic River so the area is resilient to the effects of flooding due to Climate Change.

Signatures:

First Name	Last Name	Address	City
Kristin	Anderson	Wa2dd11U-osn-etap-R	Arlington
Ann	McDonald	Au4-vbsl2C-euom	Cambridge
Gwen	Speeth	civruAllhCe-h	Cambridge

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Abigail	Starr	DARR 1AHECVI6	CAMBRIDGE
Steven	Krich	-R 1iracedvah4	Cambridge
Laura	Krich	di reaRh1cA4 v	Cambridge
Monique	mcnally	N-o8t r1htS	Medford
Diana	Eddowes	noei KnsLnng5eat5	Swampscott
Lawrence	Rogovin	-3itPpS.i2 lhs	Arlington
Marian	Chella	u-o adrTerePrH1e0swe-co	Medford
Alice	Lim	w1S1Lele r4teo-lt	Arlington
Stephanie	Galaitsi	oMres4vnr4oiA	Somerville
Andrera	Golden	OR1elkr83evd-o	Arlington
John	Brenner	vAnn60M ads iueeo	Arlington
Ulrike	Kalthofer	So2-1trt0Nh	Medford
Denis	Dettling Kalthofer	r-th10tNS2-o	Medford
Warren	Pemsler	menss t9-e1AivWrt3e	Arlington
Robin	Gottlieb	ndEtogo 94e-rRa	Arlington
David	Hughes	-ttMr-S8tteoe	Arlington
Robin	Shaw	wnoL-e3etoS2itd-r	Arlington
sandra	talanian	5i056#0, l0d h#6-a, #5,, #0-5-l-ro5656	Belmont
Ausra	Kubilius	ows2CAe vl-gl-e1	Cambridge
Sandra	Diener	toeWt-erS1d3-o	Cambridge
Joyce	Barringer	4tU0lr-uetRsS-el1n-te1i-s	Cambridge
Ruth	Ryals	pd-URan11-l5d	Cambridge
Tom	Meek	r#t8b-u2uH4tlS	Cambridge
Arpana	Sood	-fCS1tion-lt15	Cambridge
Joseph	Poirier	hm-tr-nSe7Sa8	Cambridge
Mary Baine	Campbell	An,npeta-it6-9n3aLS	Cambridge
Andrew	Sinclair	-e-tea9nMtut-ntrsoS3ealP	Cambridge
Ann	Waters	3Aah3spu-AM8v,ste-e-ctts1a7s	Cambridge
Thomas	Dunlap	d.nS-3Rewl0-y	Belmont
Andrew	Cranin	n-SbArMeue-ttutou5-0r3n	Watertown
Suzan	Wolpov	mS-1-ta1rhneS1	Cambridge
Angela	Gutchess	4AeSn7d-t-ms	Arlington
Margaret	Studier	tA.InleAS41	Cambridge
Rhonda	Linde		Somerville
Keith	Anderson	2tMoru-n0Se	Somerville
Kathleen	Melvin	i2e4t1S.f,nlC-t-#5	Malden
jane	whitmore	nlgo56-m-aitsa	arlington
Amanda	Formica		Natick
Easton	Smith	vle226waiolw	Somerville
James	McGinnis	-tS6w-B2e	Somerville
Suzanna Schell	Schell	t-e5r-va19,eH7teyr#S	Cambridge
Nathan	Kaufman	m5Gt-oa62#Srh	Somerville
ann	stewart	e-1-ue1-31rt20se-nti5-hwl	cambridge

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Lynne	Hartwell	Somerville
Barry	Ingber	Medford
Betty	Krikorian	Belmont
Lewis	Weitzman	Cambridge
Castle	McLaughlin	Belmont
Susan	Janowitz	ARLINGTON
Kelly	Dolan	Cambridge
Ethan	Labowitz	Watertown
Deborah	Kershner	Malden
Tana	Brummer	Arlington
paul	comeau	Arlington
Steve	Schnapp	Medford
Annlise	Aminoff	Cambridge
Evan	Bell	Medford
McNamara	Buck	Cambridge
Cynthia	Reid	Cambridge
Meg	Bond	Cambridge
Beryl	Minkle	Cambridge
Catherine	Coleman	Cambridge
MELISSA	SILVA	SOMERVILLE
Lois	Grossman	Medford
JOHN	REARDON	Cambridge
ESME	GREEN	CAMBRIDGE
Frederick	Sanders-Fleming	Cambridge
stephen	ervin	Lexington
Priscilla	Ewen	Somerville
Lisa	Downing	Cambridge
Betsy	Germanotta	Cambridge
Lee	jenkins	Cambridge
Sarah	Gyorog	Cambridge
Jeb	Mays	Cambridge
Maryann	Doiron	Cambridge
Kathleen	Fitzgerald	Cambridge
MARINA	POPOVA	ARLINGTON
Marsha	Hunter	Cambridge
Alison	Sanders-Fleming	Cambridge
Kathy	Roberts	Cambridge
Faye	Rapoport	Cambridge
Justin	Crane	Cambridge
Nathaniel	Smith	Cambridge
Annie	Dunbar	Cambridge
Gabriel	Robinson	Cambridge
William S.	Edwards	Cambridge

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Melissa	Ludtke	Aa2 .t. tta r 3p2akBV, AnuPi ,eps0	Cambridge
Dorothea	Rees	F1ec tSehro t	Cambridge
Carol	Weinhaus	ednuv1 roecACno7 2	Cambridge
Genevieve	Fisher	23 y RaloRd	Belmont
Andrea	Yakovakis	vau3e soMn5 iAnde	Cambridge
Ruth	Drasin	n-on eSterF81et	Cambridge
Laura	Mullahy	eCln8 Stfit2	Cambridge
leslie	lawrence	idxdS24 lseMte	Cambridge
Seymour	Kellerman	w1neuovesC2eAglI	Cambridge
Joyce	McCann	SEOT SENKN8TGI1TR	SOMERVILLE
Diane	Martin	-1#U oien,4u 3ve tMniansAd	Cambridge
Beth	Rosenberg	#15tWad S lo2	Somerville
lee	jenkins	edad 3pnUaR2l R7	cambridge
Wynelle	Evans	eal hdrOacrcP	Arlington
Susann	Wilkinson	2aS Odt1h c4rr	Somerville
Catherine	Farrell	rk 7rteS6 ateP	Arlington
Sarah	Tuttle	-o4 SG.4evrt	Arlington
Diane	Bradley	eS4T5d brrwigot	Arlington
Alia	Atlas	eg aeSle49t nrMiat	Arlington
Sarah	Diehl	5rSelterehW t 2ee	Cambridge
Jean	Martin	#1ea1 covr2 ndAL	Cambridge
Rachel	Malley	7 t 5dRopnU	Waltham
Colleen	Kirby	6malerD P1a	Arlington
Hayyim	Feldman	mSB8no tet3 l	Somerville
Ian	Bachman-Sanders	-ed9xtS fOr	Arlington
Siobhan	Bredin	lRlr2ri0M a Hau,dye	Cambridge
Mark	Rennella	Sercontt A2 t5e	Arlington
Penelope	Lueders	h caer l4dsP3 nPeFo	Cambridge
Elizabeth	Gallaher	icrhea9r2CcLl	Belmont
Christine	Graves	1 mtrDaoSteheturt 3	Arlington
Rosanne and Jim	Testa	esrtr tlaeenCt	Saugus
Stacie	Smith	tHn9d sreo eteSenr	Arlington
Robin	Bergman	-0e ukAnrPav3e2	Arlington
Amy	Cooper	s m5teJ a8S	Arlington
Clarissa	Rowe	rde7 earHt R3o1b	Arlington
Don	Westwater	Mte4Sti2 9ys	Arlington
Maureen	Dolan	1t6isiSgn Hg	Arlington
Martha	Penzenik	tt 5,elMrorse e2S	Arlington
GARY	SHOSTAK	DRA ELA4 PM	ARLINGTON
Lori	Meltzer	yr uRSrd9	Arlington
Lynette	Culverhouse	-Ar Daep42rev	Arlington
John	Cho	ar16em laD P	Arlington
Richard	Terry	0ea bRd2Peeday	Arlington

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Candace	Shostak	raie-amD-ev4lP	Arlington
David	Schreiber	temr7ett4e-rS9pAu,-mS	Arlington
John	carman	ee-RiCeri6lc	Cambridge
Annie	Kinsella Thompson	utFko-LS-nres24	Cambridge
Barbara	Boltz	1dM-frot-045dS,-e5#	Arlington
Pamela	ShanleyDaube	v3-6etArn-aG	Medford
Joy	Sobeck	2-t4-4enUnklit0S2-1U-n-o-i2itBro0i,	Cambridge
Eric	Schwarzenbach	2-ercSS-2otamy	Somerville
Michele	Meagher	F1r-1naiSn-3tkl	Arlington
Catherine	Pedersen	l1t-Cdh-rntS3eraee	Arlington
Glenn	Gianoulis		Arlington
Olga	Popova		Arlington
Rebecca	Frankel	-i-tStgBhno47r	Belmont
Ann	Smith	4Rd-lW2d-oa	ARLINGTON
Lois	Josimovich	toset31SL-i-m#2e-or	Cambridge
Jeffrey	North	e1So8,-3hlo	Belmont
melanie	wisner	oaieRCoo9g2dl-d	Arlington
Susan	Lemont	ebnaR-0e9i-dsbR	Arlington
Jacquelyn	Kenney	Sr-a2dakh-n2	Belmont
Michael	Kenney	a-nhSd2r-a2k	Belmont
Rachel	Roth	-h1-dalt6SnC.er	Arlington
susan	hoye	ednueysn9in-ev-SAa8	Arlington
Maria	McEachern	-e-tongAvnui12xneel	Somerville
Steven	McInerny	gvL1inx-e-A2eton	Somerville
Rebecca	Evans	-ecRAAd,hvar-25i	CAMBRIDGE
Stephanie	Marlin-Curiel	t11S-esotr-Csre	Arlington
Evangeline	Kirsch	87rAo-eun-vH	Cambridge
Helen	Brown	S-i1Wt5lowl	Florence
Sylvia	Beckwith-Brown	t5Sow-li-1Wl	Northampton
Virginia	Savage	t-W4SlSnw9-o-i	Cambridge
Joseph	Maglitta	re-gvaa1irD-P0k6eCirbdm	Cambridge
Thomas	Goreau	tntsa-S7raee3etPl	Cambridge
Jill	Oliver-Meyers	i7llrruR-aM-3-Hdy	Cambridge
John	Peterson	rek-r-rDionaPvAe	Belmont
Vie	Ciné		Cambridge
Eric	Brown	n-3tveAA-eeeG-g3ehup,u-nr	CAMBRIDGE
Christine	Raymond	PsS4etl1-ata6n	Belmont
Madeline	Webster	lot-esreMS-69	Arlington
Rachel	Oliveri	ldo-si-21ouRrq	Arlington
Dana	Hoglund	nnA0Ss3i-ueveyd1	Arlington
Karen	Nuzzo	-r-Sm-3#10m2entt-uisU	Somerville
Joyce	Devlin	-lvAeHoly6	Cambridge
Linda	Conte	a-AleH-1v8l	WEST SOMERVILLE

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Jim	Bond	m5ymISC1-s-2R3e	Arlington
Donna	Karl	S7to-2oeetgnetrMymr	Cambridge,
Stuart	Gedal	e2tye7-rtmrgo-SMenot	Cambridge
Michael	McGrail	B1-1#2eov3onAst-	Medford
Jamie	Brandon	e-lhul6,cv0ArCih	Cambridge
Jerome	Blewett	H1yv-a6-ret9S	Cambridge
Penny	Timms	e9ry7HSta-1v	
Ann	Sullivan	6eu-inD-Ava1esv	Arlington
Kristen	Eichleay	ie-ePl1IO-vac	Cambridge
Jeremy	King	6Ct-on1tf-S1li	Cambridge
Ben	Flaumenhaft	y-6SAniensd-vu1e	Arlington
Christopher	Bader	iS92-ttHh-eger8	Medford
Miriam	Marriner	br-C6yeatrS1r	Medford
Pamela	Lyons	A5-1NT-TRSG	LEXINGTON
Katherine	Cornog	de4uo-sP-teH4-arRwEoxe-d	Medford
John	MacDougall	-l-e-h0ii#2aaeRc5v7d91	Cambridge
Christine	Aquilino	dn-m81dER-du-	Arlington
Florence	Caro	2v5wi-oAslWe-n	Somerville
Andrew	Townsend	e-di-oR95-olgdC	Arlington
Anne	Goodwin	-o76mnR-toyMed	Arlington
Marjorie	Smith	eeetrySa-89v1W-trl	Arlington
Steven	Kaufman	aye19-ltSe8rv-reetW	ARLINGTON
Mara	Vatz	re7Wr-B7Sna-t	Arlington
Lori	Fiedler	hcoSlo	Arlington
Patricia	Goudvis	-v.9rea1HSt-7y	Cambridge
Randolph	Billings	Aoe-R-ber1nead1d	Arlington
Glenn	Litton	8nSatos-e1er0t-J	Arlington
Lynn	Rosenbaum	r-1eSceti2-1P#	Arlington
Helena	Halperin	-rS11Gayt	Arlington
Martine	Gougault	ld1noaeR-2aNd9w	Arlington
Charlotte	Milan	ul-veo9a1eRd-leB	Arlington
Stephen	Boudreau	Str-wt9oeln40Wes-i6	Arlington
Joan	Black	B4TVAT-E6TRAL-E	Arlington
Susan	Maltz	rtoek-det1r4-1eSiThn	Arlington
MaryAnna	Foskett	d-n1tBwdoo-R1ra0	Arlington
Mark	DeVoto	t-t-sw3es3	Medfordma
Suzanne	McLeod	e-na-AMv6dis1e	Arlington
Amy	Mertl	e-M8e-n-tsnt6rV	Somerville
Thomas	Mason		Arlington
Betty	Krikorian	Emo-dg3o-eRro7ad	Belmont
Diane	Krause	8HhHi-th-agR-6id	Arlington
Sue Cross	Cross	a-6ewt1mrny	arlington
Eppa	Rixey	Sety-e6ev2Har-t1r	Cambridge

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Jasmine	Caamano	-n62TodeoGrr	Belmont
Ann	LeRoyer	-Sti1r2eec-P	Arlington
Susan	Mortimer	s-s1aA72M-ev	Arlington
Lida	Junghans	Rt-w1ne0oNd	Arlington
Craig	Slatin	-e-rtSvD4o5	Medford
Linda	Magram	6-ySSa2il1tv	Arlington
Gwendolyn	Richter	ttP21a-BeHl	Arlington
June	Rutkowski		
Larry	Yu	eH-b6t-rtSre	Somerville
Anuradha	Parikh	r-6eWS-t4a	West Somerville
Janine	Fay	eum1strno4	Somerville
Chris	Yang	3SD-ot2-w	Somerville
Lumina	Gershfield	e-a,6Bcn-o5	Somerville
Jennifer	Clifford	ut1mrASm4-e-S6	Somerville
Michael	Hendrix	onn-eer62BAv	Somerville
David	Guss	-r2-Woip7yaPrez	Somerville
MARINA	FREYTSIS	-nLeiA-vd6ne3	Somerville
Akilee	Kelonia	tASSrir-te-5gne0p	SOMERVILLE
Diane	Yasgur	rnAo-r-0eMei2vs1	Somerville
Ulysses	Lateiner	nth-5re-aS1dCl	Somerville
Alan	Maltz	rSTtekhtree-i1on41-d	Arlington
BRUCE	SOLOMON	T-IS2CTMSV9-4	ARLINGTON
Kara	Tutunjian	1a5IAoWtnel-ovs	Arlington
Christopher	Logan	t-a2-t1PriUSn4re-t,ek	Arlington
Melissa	Heller	h36tnnigat8SsW-o	Somerville
Emma	Perrow	CedtS0ma1r1-bteegr3-i	Cambridge
Bill	Fischelis	-ust-sts55Ei	Arlington
Lynne	Eisenberg	h2to-Sc5-olS	ARLINGTON
Lisette (Cricket)			
Beauregard	LEWIS	7-01eojsa-rttsne	Arlington
Sue	Emery		Arlington
Margaret	Carver	lvon-wueniWA0-se8	Somerville
Irene	Heim	-aerpalPI19bmk-C	Somerville
Irene	Cross	Srph0teet-aed-rS1	Cambridge
Edda	Shaffer	-Aw2iare-ivv9eF	Arlington
ANAND	PARIKH		SOMERVILLE
Jessie	Brown	sJt-So-a6n4	Arlington
Ruth	Johnson	2eWib0v-Alru	Arlington
Nancy	Campbell	NT-yrdnam7rceor-ae	Cambridge
Liz	Kubicek	7myo-NdeTarn-rrcea	Cambridge
Bill	Kubicek	eTma-ernyrdeoNr7-a	Cambridge
Patricia	West	tat-#6-0hsiS.nd2-S	Cambridge
Ellen	Leigh	Sue-teSrmrtme	Arlington

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Lara	Adams	Lgon5ev2 5etiAxxn	Cambridge
Lucy	Adams	gA5etnnLvx i oe25	Cambridge
Dorothy	Schuette	tw4SB o 9	Arlington
Andrew	Blumenfeld	S hC tIra33nde	Arlington
Lynn	Weissman	BMT11EONSL2 T	SOMERVILLE
Kent	Elliott	tau6 r i1Cd2Reoi	Winthrop
Jon	Keller	tsWe	Medford
James	Greene	vr o3oG An3esvr1e	Medford
Kate	Gormley	0la #r5en 1SC2tt	Somerville
Mollie	Welch	u1C3evAeom nrrnae	Somerville
Linda	Hanson	t rWe 11t.bsSe	Arlington
Robin	Johnson	larh CSndt2 e6	Arlington
Elaine	Lyte	yer53 oRhtdD	Arlington
Susan	Driscoll	rtteee t11 BlraS2t	Arlington
Ethan	Thompson	ttvCegaA eo	Arlington
Philip	Thompson	aeoAevgCtt	Arlington
Blatt-Eisengart	Ilana	8 Qdvs riR	Arlington
Michael	Greenblatt	S6tmum e1 rS	Somerville
Ellen	Watson	goniRt aMdaon	Cambridge
Jennifer	Susse	S 4t5leeetr Te	Arlington
William	Sarill	po14,tsi S2L A0wt1.nW	Arlington
Nitu	Chand		
Aram	Hollman	.tSr1et W oeth2mi	Arlington
Ariana	Bain		Somerville
Heather	Pottle	-3 S1at5et.AABp vye t,a	Somerville
Trevor	Pratt	npp 1CtAt2 1e C2a	Somerville
Andrew	Adler	a tR dror8oPe4	Cambridge
Chris	Carini	P9 rtilGen2v5a0.01#2A01e a 1	Needham
Jennie	Rathbun	AuM1as hvea16t 5esctss	Arlington
Lois	Fiore	t er iCS2hberFt1, t0e4gu	Somerville
Susan	Kaup	C or5lp i7tVolgeiDn al aAl	Arlington
John	Avault	p.4 Sn2ttmr F,aAi9kl	Arlington
Michael	Collins	PRod9 aoya 2ns0	Belmont
Deborah	Butler	doeaoROlk v1re9	Arlingt9n
Lori	Lake	e kna at8Perhr1S	Arlington
Daniel	McCabe	F e3oAnevlere	Arlington
Michelle	Keenan		Arlington
Janet	Solomon	dTod R4d	Lexington
Jennifer	Payette	srttsS2 8Pne i	Cambridge
Ginger	Ryan	trcteCe er3nStse5	Cambridge
Marion	Foster	euU18in7 e RAd,lc n 5#h tvaei	Cambridge
Lisa	Laskin	eS1loer lAtin 2 vtH1	CAMBRIDGE
Lizbeth	Radcliffe	ee5 n32v uHAr	Cambridge

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John	Adams	tn01SM,ot il1	Arlington
Maureen	Jackson	e5-emtet5l ssrero	arlington
mary	bodwell		
Matthew	McWeeney	-gStn2p-iSr51	Cambridge
Michael	Buonaiuto	r7Psngr7 ko-eatnKn	Arlington
Elizabeth Lisa	Birk	akls-Pr0sKa2u	CAMBRIDGE
Julie	Ray	td4a8leSn-2W-	Cambridge
Suzanne	Blier	5Pl-ulFr-le	Cambridge
Mihaly	Imre	A-en0laleu3bM-vee	Medford
Gabriela	Romanow	1ri.0MI0D-e5ra-1 mFe	Cambridge
Alec	McKinney	lytr38-SuDeeetd	Cambridge
Glenn	Hunsberger	Woa-22nRatds-e1	Belmont
Penelope	Riseborough	tsR-anoWd	Belmont
Ian	Todreas	ceCh6-ye-nTra1erre	Belmont
Michele	Kennedy	dmhG2r-rao5	Belmont
Melissa	Kassel	-nS1-pfiiteSlegr8terd	Belmont
Julie	McKinney	y8-eul3tdS-D-	Cambridge
Leslie	Walker	3dlRsa2Doug	Belmont
Steven	A Fischer	Eui4t-6Sss-t	Cambridge
Laurence	Raffel	SsMre-to9el6	Arlington
Kate	Schell	al7-grntt-SoeiMae5	Arlington
Kristen	Lyman	-tisOt-2eet2S1r	Cambridge
Matthew	Conroy	y9-Rae2St-dtaB	Belmont
Trey	Klein	Lgtx-otn20i1eS-n	Belmont
Josephine	Mullan	etsd4-rg-od0laar	Cambridge
Lee	Farris		Cambridge
Cheryl	Greenwald		Somerville
Heather	Hoffman	3SHu-1eeetr2ty-rl	Cambridge
Natasha	Novikov		
Rich	Leitermann	t-hSid-t5E	Arlington
Helen	Snively	-rfp1aktey-eta	Cambridge
Ben	Vorspan	tt.t3,n,Art Alo-4.tenie3ppSC	Cambridge
Cricket (Lisette)			
Beauregard	LEWIS	orte-sean-s0jt71	Arlington
Elizabeth	Greywolf	-tunBVPaie1a-7kras	Cambridge
Sue	Stafford	vAa- c2nres1iF	Cambridge
Hannah	Beye	rgo-dhrr1inn8at	cambridge
Ellen	Faran	1-ded1feer9r-toSMt	Arlington
Mary	Cornwell	JertSyate	Somerville
Brian	Kang		Arlington
Kate	Dragonetti	s5iant0df.Msle	Somerville
Paul	Barringer	-sis,e4 n-e trut1RSUllte01	Cambridge
Michael	Lonetto	-n-viAe5dotEc7t	Somerville

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Laurie	Rothstein	-r0ufv9ndxoOe Ae	Cambridge
Kristin	Martin	tm4an8-s-ortFi	Arlington
Laura	Wirkkala	1sshuet vasct2A a2eM9s	Arlington
Kathy	Watkins	aF-w0 tSAc5t 1et9p1t	Cambridge
Kent	Johnson	o1n8r itgdraH Rn	Cambridge
Oliver	Koch	w3-Bko-l w3yfrePo0Aike	Somerville
Alida	Castillo	ta2toUnkaPv gte,i r 26ACe	Cambridge
Eric D.	Olick	d 4v7renoamyA-N	Cambridge
Sharon	deVos	-sm18 Ani1trt	Cambridge
Brook	Hopkins	ugaP t1eenv4 eke Ctara	Cambridge
Joan	Krizack	b t79.enm rtSePo	Cambridge
Jason	Linker	p-VC,EEtHS54ASSUAT6ST A 83AM	Arlington
Stephen	G	e tvCeagtoA	Arlington
Judith	Rakowsky	SD-1d61uy e.lt	Cambridge MA
Amy	Kipp		Cambridge
Kathy	Modigliani	rs2kv-oo5-aBe1	Arlington
Enviro	Show	t-X0Jeiene P14trW-SQ,	Florence
Lexi	C	eotseMrSl	Arlington
Judith	Stone	4uJ t Cn1osear	Arlington
Michael	Nakagawa	ie 1M 5andsAvo	Cambridge
Pat	Muldoon		Arlington
Alex	Bagnall	Sym0Wan1-t	Arlington
Richard	Souza	-A6itQu Sc-yt4-2n,p	Somerville
LESLIE	Woodard	ev-1t3o#tg1 R-acAe	Arlington
Adam	Crossman	-nirr1etcnleaed-2	Waltham
Meredith	DiMola	C7byt 4ro-sS	Arlington
Sheelagh	Stirling	er4idt ge8e tRS	Arlington
Griffin	Jones	2M.4St tto	Arlington
Charles	Foskett	-d w1nroBaoaR1edt0	Arlington
Sara	Alfaro-Franco	h-ue-a-e#2Aset4vWt1	Arlington
Rochelle	Wolfe	ntH12 Rdom-i0a	Arlington
Diane	Connor	odr-Bal dv9R2eu	Arlington
Erin	Ellingwood	ySBburt ew-0N4	Somerville
Diane	Mahon	wdteSH-rearto	Arlington
Alexander	Cieplik	tcoa-2iS7-ritV	Somerville
Libby	Salnick	radeawBy	Somerville
Eric	Segal	i-4-eSnttMl8	Arlington
Anne	Wright	-tSrt4neM8liote	Arlington
Kevin	Mills	aki8wyylaVcayt2-PMI-ers	Arlington
Cédrine	Bell		Arlington
Linda	Clark	-mn-ao08l-taHoR81d3i,	Arlington
Matthew	De Remer	D7atuc-re-S4t	Arlington
Doreen F	Stevens	ason4S8J-t	Arlington

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Samantha	Jordan	te1-6a9krSLeet	Arlington
Diane	barry		
Christie	Wilbur	e4Win2sSdtr	East Arlington
Darcy	Devney	-kirS1t-ndTeh010	Arlington
Elena	Stone	12-lCy1t-aS	Cambridge
Greg	Flores	aLoB2l3,s13wTe-iXv-nrens-Lio-,3	Brownsville
Emily	Zhu		Arlington
Mark	Foster	nrtIS-eet-9iM9ot	Arlington
Patricia	Palanza Paynter	rde7-thkS-9noTi	Arlington
Myra	Schwartz	highnlaa-dve	Arlington
Robert	Kuhn	ed1ir1hT0okS-nt	Arlington
Carlee	Blamphin	e7-edve-AnuBesoir9k	Belmont
Debra	Towle	lo-ldOo3Cy-Rnd3	Arlington
Mary	Cummings	-3J5S1atso-n	Arlington
David	Olson	Hdneose-ntrS	Arlington
Jon	Gersh	+24Kgrdinip	Arlington
Mike	Gildesgame	gdooKitsnn-8-nR	Arlington
David	Morgan	tshA-neveu2uaaeeM3s15s-st	Arlington
Adam	MacNeill	n1lelgo-WiSt-2nt	Arlington
Laura	Borgia	sat-Rghiel	Arlington
MICHELE	PHELAN	-SOR1HNET-5D3TIK	ARLINGTON
Barbara	Atkins	e10n-ddo4IRRa	Arlington
Helen	Simonowitz	-otmRiaA4pldt0a-o4H-n3-1	Arlington
Elizabeth	Ferola	e-81r-1SWatrn	Arlington
Charles	Wescott	apR15iodK-Ing-i	Arlington
Ines Montserrat	ZUCKERMAN	a-t-4SGy	Arlington
Melanie	Brown	4ny-kS1Dilre	Arlington
Anna	Henkin	Mi-a11ondRr	Arlington
Rebecca	Gruber	2-t1nesalSP5at	Arlington
Betsy	Carlton-Gysan	yd6aa-2r8owB	Arlington
Jennifer	Litowski	t7-xeOSrd6f	Arlington
Judith	Garber	uaAhttcp4-s,v01seM3-tsAase	Arlington
Marlene	Silva	-wd1l16edaRnN	Arlington
Sarah	McKinnon	s-eyRI01tadhK-oi	Arlington
Claire	Johnson		
Neva	Corbo-Hudak	ldoRa-Oeevrko	Arlington
Lesley	Waxman	aa-laStp0-t-63-tesn1P2	Arlington
Hila	Bernstein	m-4e11utrSSt/e-2r2me	Arlington
Annie	LaCourt	-taahmc8-s4th	Arlington
Lisa	Bielefeld	n-uo2-otrVSertMetne3n1	Arlington
N	Mewada		Arlington
Sandra	Mostajo	rvePu1keaA1-n9	Arlington

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Daniel	Jalkut	opnl a7SRt.d1h	Arlington
Naomi	Zuckerman	,HRr e3ad d1	Arlington
Ansa	Brew-Smith	Jsh4no2o n aRdo	Arlington
Jordan	Weinstein	nnR den3. o2L	Arlington
Carolyn	Parsons	Red2rr wBset3	Arlington
Jonathan	Spiller		
Henry	Atwell	lvCeh10w6m Anao meet7	Brighton
Lewis	Lewis	SHT noc1ka8c	Arlington
Thea	Paneth	C2ehr nt8elSdaert	Arlington
J	Bobaljic	ilCh vrAehuel	Cambridge
Susan	Dowds	aeryt.715H Sv	Cambridge
MYLES	WILDE	-RESS8LSLUT4	charlestown
Susan	Gerould	rtSltsol Ant0ee11	Medford
Alison	Johnson	oasnSjt	Arlington
Deborah	Galef	aSd3onm mHt.9	Cambridge
Mark	DeVoto	r 3stWete eS3t	Medford
	Hambrook		
Julie	Berkman	2IWS3OE DRO	FALMOUTH
Vladimir	Jandjsek	n yeAnde8vS9 uuines	Arlington
Julie	Matthaei	0 HevrSt1#19 tae re5y	Cambridge
Daria	Boeninger	SP 93 ntei	Arlington
Eric	Novick	IL a1Onol on,dy17eC 1	Arlington
Tyler	Herrington	3tFr se7 tes	Everett
Miriam	Roberts	t o3Ut pN 2Ani6n S	Arlington
Justin	Damon	nR1nH ed7dr a	Billerica
Clare	Fentress	tns 83S1i6 a el#Mf.d	New Haven
Sarah	Bell	vreM 1u9eeunAl l	Cambridge
Caroline	Meeks	-etr 29Lee	Arlington
Michael	Behizadeh	S t7Swian	Arlington
Rebecca	Behizadeh	-Seit7w rSnaet	Arlington
Kelly	McGlynn	w55yykMe 0lVaisP le ty	Somerville
Margaret	McKeehan	rrto2 fdSkoeB7	Cambridge
Aneil	Tripathy	mtre etDut4tSr3oha	Arlington
Srikant	Sarangi	-9te Bn5Syetnei1r	Cambridge
Lindsey	Srinivas	so0rt5 ean twwt1	Watertown
Eileen	MacDougall	1S De4 aLranhy d	Wilmington
Ronak	Kamdar	5aer te7uectDS rt	Arlington
John	Anderson	l ri sdH6oRcePptl	Branford
Jennifer	Cardettino	VS3ta.u nm 3r	Arlington
Lois	Rockcastle	itreRci e t Rave7vq3uDer	Tupper Lake
Catherine	LeBlanc	rttT eSfseut	Cambridge
Amy	Agigian	C3Ronri an.ih 3dt	Somerville
Jill	LaPlante	tteSreh8rN ot10	Somerville

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Greg	Hill	a42-unt.tWIS	Somerville
Michael	Leukam	3eIS-dt9-Cy	Somerville
Markus	Nechay	n-eF0in2aektt-2lrsr	Cambridge
David	Fichter	-t-2coert0eS-Wsr	Cambridge
paige	gromfin	-o4oScItS9h	Arlington
Jessica	Kinner	Eti3e-pdvt-A-2nc1to-A	Somerville
Caitlin	Lemaire	eidt1nE7Ao-e-vt	Somerville
Nate	Chisley	3PA,5Arn-r7-D.etv32p-iora0k4c	Belmont
Seamus	O'Maolfhoghair	ntSr-oBt6-a	Somerville
Ursula	DeYoung	rSttner-7ae-Steg	Cambridge
MELANIE	SEGAL	rodintnv-3Ro-lga7	Somerville
Warren	Maresca	o0otWre4tc-1-dotkSse	SOMERVILLE
Erika	DelCioppo	rC-e2teed-a2Str7	Somerville
Anthony	Adam	r-erdsneSt1-eHt3eon	Somerville
Loretta	Obuchowski	-virandrgontio	Somerville
Cassie	Ferri	-Su7-rmttee51rmSe	Somerville
Emma	Kurman-Faber		Somerville
Freddy	Correamanrique	a-t-Gs-8-npA2rierAov	Somerville
Margaretta	Sangree	la5l1-riu-HRry-Md	Cambridge
Sarah	Graham	se-t8de-rotWnr3iS	Arlington
Megan	Fate	ere-rertSPtto	Somerville
Remo	Airaldi	-sR-1dCcihk2aiw76#o	Brighton
Casey	Kurpiel	1metet0els-r1	Somerville
Donene	Williams	re71dCa	Sonerville
Alex	Scheman	4S-6t-8toulA-Ciapbm-0	Cambridge
Sabina	Van Mell	S-notUinA5	Cambridge
Ben	Capraro	3A21m#-sadSt	Somerville
Erik	Eaton	0d-eubr3rtnut-t	Glastonbury
Richard	Shortt	r-a-cAe61davrP	Somerville
Susan	Callanan	toerbItseitch-sl-deSiaGhs-erroeTthnn-e	Cambridge
Sara	Dion	-Bd7a-1Apao4yr-wt21,7	Somerville
Steve	Pomeroy	i1pn#.g-t-6SrS1	Somerville
John	May	u-opn8So-tMt8.eH	Dedham
Beth	Rosenberg	1t.oWI5dSa	Sonerville
Mark	Omura	J-iaa-vSAeste-n5m	Somerville
Molly	Omura	iaetsne-SA5avJ-m	Somerville
Kevin	Pires	mD8krb-gier0aC-pard	Cambridge
Kathleen	Knisely	dtHow-r0S-3a	Somerville
Emily	Pease	-urt-e1rreS4tSye	BRIGHTON
Maryanne	Pease	-rue,SSAy-tr1t14p	Brighton
Tamara	Kellogg	5St3k#e7rert-ea-Mt	Cambridge
Thomas	Close	1tus-retT1-efts	Cambridge
Sebastian	Bozlee	Avioc1tt-d-Ene2	Somerville

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Nasim	Memon
Danica	Skoric
Jennifer	Smith
Clara	Golinsmith
Sarah	McGee
Judith	Zinker
Linda	DeLauri
Susan	Gottlieb
Sharanya	Iyengar
Edward	Dormody
ilene	Goldberg
Paloma	Canas
Alex	Sargent
Helen	Cedzidlo
jason	Taylor
Isa	Ruggiero Du Mond
Katherine	Lewis
Seamus	Reynolds
Robin	Bergman
Bradley	Hastings
Anne	Thompson
Elizabeth	Stagl
Heather	Couture
Max	Meinhold
Isaac	Petersen
Nora	Smith
Linda	Carella
Glenn	Jones
Victoria P	Ford
George	Stephans
Liana	Laughlin
Michelle	Gulen
Dianna	Jenkins
Bobbie	LeBron-Odom
Maeve	Whitty
Meredith	Olsen
Azra	Nelson
Shaina	Blitt
Kevin	Buckley
Nancy	Murphy
Wes	Bernier
Steven	Brennan
Maxwell	Plaut

Q2ebxP-930-97
~~er8CmDrDp-gr0kbaai~~

 5-revea-ridAPh4
 e-B-xPO18
 1#nt-SlreautWe3t7
 2-ya-eSmreTrt
 erSuSt26s-tg1
 di9ld-HeRs6-il
 a1sMvd9-Aeon-i
 5n-tSs7edAm

 aA-ek4daP2crv
 nPee-arscaF-1cl
 S83a-tes-altPn
 sat.eA52ec-W5-hutv
 Snoi-N4-Un1t3
 naePreu3-02-kAv
 i-rob0s3ntthg
 gtaCoteeA-v
 egSi-il2-n-TIHrp0r
 -sRRld1seu-l4
 -Etr2mlet37-eS-20
 ee-Mguv2Au-n5-as#n3
 S-t-Fde74il
 4oinM6-s-ltt
 Std14e-if7
 viC-lw-rDe-nciT6ier1
 nR-9nFuiotad6
 et31.7-AS-3Npt-7w
 getoAt-eC0-v1a
 1sr-B-t1ookS6
 9-t-ngaOet4erreS
 1s-ARte7pdo-ataB,-
 15St-Dluyd1-e
 ntec-eAVnvi
 W75S-ea2tlnd
 igde-3-8nAREv1
 deingR
 pine-UoeA3J-nt-eiv3hs9
 1FXIAF-T6SAR
 -e1h-nS6su23t-Ctt#

Cambridge
 Cambridge
 Watertown
 Watertown
 Somerville
 Arlington
 Medford

 Medford
 Watertown
 Beverly
 Arlington

 Somerville
 cambridge
 Cambridge
 Arlington
 Arlington
 Arlington
 belmont
 Arlington
 Somerville
 Somerville
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 Somerville
 Cambridge
 Arlington
 Cambridge
 Arlington
 Arlington
 Cambridge
 Arlington
 East Boston
 Chelsea
 Arlington
 Cambridge
 Belmont
 Cambridge
 Cambridge

 Somerville
 SOMERVILLE
 Cambridge

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Mirian	Barrientos	udARgne1ei-3e8vn	Cambridge
Bradley	Settle	ahseA5t1vectsu0M1s-as	Cambridge
Troy	Smith	kg6r0e-1mr4pvD-3a2breiadi,C	Cambridge
Sam	Schiavone		Cambridge
Colin	Hart	s-p5eeiQsd9R	Somerville
Caroline	Sherrard	-e-rrt5etoait5cSVi	W SOMERVILLE
Erika	Kirichenko	r-toWehat2seuS4	Somerville
Anna	Waldzinska	lt-1vpA-0SletLo2	Somerville
Matthew	Jill	-1etrtr8n5aS-et7e#iMs5-W	Hyannis
Maria	Maddaloni	-cvAt1.esaM5stas9sh-u52#e8	Cambridge
Isabel	Feinstein	si9e2-rNrSt	Cambridge
Pooja	Usgaonkar	nM6R4dant-ig-o	Cambridge
Grant	Cook	VLANWO-OT6SL1E-A	ARLINGTON
Samuel	Hasson	xettEtre-Ser2e	Arlington
LINDA	BRAUN	ERKAR-1R1DP	ARLINGTON
Yan	Chau		Arlington
Emily	Snyder	Snl.t-tMio	East Arlington
Tom	Woodfin	Skr-f3eroBtre4dot-o	Cambridge
David	Muckle	o1S-y-crnee2ae1Sttr	Somerville
Brandon	Hanks	B-1oso4Sntt	Somerville
Noah	Williams	-nmyeAva5L	Medford
Matthew	Real-Costa	utr-8e1L-alS	Somerville
Jared	Robinson	oMa-Su34ntg	Cambridge
Mike	Roberts	-eefavA-2lerne8G	Medford
Nathaniel	Jack	lCesty-d	Somerville
Cody	McInnis	3-AA6shev	Somerville
Sarah	Gyurina		
Maida	Tilchen	S-3OE01WLL-LT	Somerville
Clark	Bakstran	3raleste-r-p33te	cambridge
Corey	Purcell	e9i1Bus3rAed,nv-#	Somerville
Kathleen	Steinberg	w9r-eb-Nt1Syu	Somerville
Jessica	Garrett	AvHe-6-3al2#l	Somerville
Bella	Tasha	6Ane8rva-sPee	Somerville
Jill	Quinn	C-Sts6tu3ir	Somerville
Eric	Young	w-r-okie2yloAf8Pk5-Bwe	Somerville
JOEL	BENNETT	LSOT1M1EN-2-TB	Somerville
Laura	Wacker	umdoCtoi-aMrnn	Somerville
Elizabeth	Merrick	7ory6a-9adwB	SOMERVILLE
Laura	Roper	e1-roP8HseTuo-ed-rrw	Somerville
Kate	Levy	hk-Std7oi1nTer	Somerville
Ceril	Venegas	oA.v-n2otBA6t-p1-9se	Medford
Cheryl	Danner		Somerville
Dylan	Lingenau	v-rrio0G5eA-nas	Somerville

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Arliya	Marchand	Arlington
Allison	Lenk	Belmont
Mark	Paglierani	Arlington
Patricia	Caldwell	Cambridge
Cheryl	Marceau	Arlington
Mary	McDonald	Arlington
Edward	Schantz	Cambridge
Julia	Bayer	
Grace	Durnford	Cambridge
Elizabeth	Camacho	Cambridge
Radha	Iyengar	Belmont
Sheny	Marks	Somerville
Dyanne	Cleary	Belmont
Frieda	Nace	Winchester
Philip	Shepley	Belmont
Mary	Wakefield	Belmont
Daphne	Ritzakis	Lexington
Alice	Seemuller	Cambridge
Amandine	Lariepe	Cambridge
Audrey	Rinaldi	Somerville
Maud	Albrieux	Arlington
Irving	Kirsch	Arlington
David	Watson	Arlington
Alyssa	Lary	Arlington
Sabine	Croue	Cambridge
Carl	Wagner	Arlington
Ann	Spanel	Cambridge
Jane	Keat	Cambridge
Vincent	Baudoin	Arlington
Matthew	Carlino	SOMERVILLE
Linda	Fernandes	Branford
Eric	Miller	Somerville
autumn	lopez	Somerville
Jeff	Westlake	Somerville
David	Brown	Arlington
Joan	Slater	Somerville
Kathryn	GoldenOak	Arlington
Alex	Pogue	Arlington
Larisa	Allen	Springfield
Efraim	Eller	Cambridge
Michael	Everman	Arlington
Olivia	White	Medford
Colleen	Greer	Acton

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Melanie	Jones	e3t8Wrs5eb-.tS	Marshfield
Helen	Dodd	9lWt3S7-adne	Cambridge
Scott	James	preD1aCe-vdiigrabmk56r	Cambridge
Martha	Ondras	evli5A-egor4K	Medford
Ann	Jochnick	te-wr-iaAeLev9keSt	Arlington
Elizabeth	Jochnick	0MA6.1iaermr-e1l-D0	Cambridge
Courtney	Foster	Rwdtey65h-dCn	Somerville
Camilla	Kapustina	Uc00-r8ti-a.tS-hrd2n	Medford
Meghan	Maquet	hoiet1dl4-ifrWad	Somerville
Kirstyn	Gudknecht	-dWo8eee1a-cR0Hus-olom	Perkasie
Lisa	Quigley	esWt5o-evA1n	Somerville
Susan	Denham	ae-wd4RaB2d-noort	Arlington
Aaron	Bennett	eC-Aeuusn7l-b9veum	Somerville
Giuseppina	Chiri	or-6n-isWdRd	Somerville
John	Leone	r5tv-1elSigrnt-e	Arlington
Laura	Bagnall	-et-loeS6rM6s	Arlington
sage	carbone	Sr0d7e-h-teTri2t	cambridge
Harriet	Bagnall	Rl-dC-6dEraeaht-00	Philadelphia
Erika	Serna	ence8nUH-5a-itk4S-t	Cambridge
Christine	Merch	etoS0-dn-0Lenrdt1seaw	Cambridge
Meghan	McDonough	8iM1n-5atS	Melrose
Marilyn	Clark	hb-da-ii119uon,rWp-r-totn6unrem	Brookline
Mary Claire	Malek-Odom	eerS9R-e1ri-tvt	Arlington
Adam	Dusenbery	en-svuAbe20aW-hr	Cambridge
Lisa	Drapkin	u-m7PvAe3-nat	Cambridge
Leslie	Liu	e-74ncr-dAv3ooC	Cambridge
Frank	Gillett	Se3z-taM9ng-ai	Cambridge
Laura	Caputo	d7i-volraeR05	Belmont
Andy	Stein	-dBeiJanR-nm	Arlington
Lydia	Savitt	-2s2etCv-riau	Somerville
Jerry	Britto	S-trtesh9Ce	Cambridge
Cathryn	Herbst	rere-22e-PeStstt	Cambridge
Andrew	Fasano	yvHera	Cambridge
Joann	Keesey	Fe1mrSnt1-ot	Arlington
Sebastian	Paz-Worden	2n-voe-lela6cdka	Arlington
Gabe	Knoll	btN4-c-wmoe4S	Arlington
Jennifer	Mansfield	eetS-rrn-iakl44Fn	Arlington
Lilli	Smith		Cambridge
Susan	Gurry		Cambridge
Max	Blum-Campo		Cambridge
Wen-hao	Tien		Cambridge
Amy	Rothschild		Cambridge
Lookup	Xazero		Cambridge

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Marianne	Rezaei-Kamalabad		Cambridge
Rachel	Bickelman		Cambridge
Laurie	Brandt		Somerville
Wes	Nickerson		Cambridge
Judy	Hikes		Cambridge
Douglas	Carlson		Arlington
Claudia	Majetich		Cambridge
Leslie	Bliss		Cambridge
Christine	Doucet		Cambridge
Anne	Lowell		Cambridge
Rachel	Legree		Cambridge
Dylan	Elliott		Cambridge
Ben	Forst		Cambridge
Emily	Le	t-ndroS-ik4he8T	Cambridge
Muhammad	Hadi	-r2Be-vskeeA9	Arlington
George	Parsons	R-BW-ED23TRRES	ARLINGTON
Carly	Silva		Cambridge
Bridget	Hanna		Cambridge
Pasang	Lhamo		Cambridge
Nabia	Meghelli		Somerville
Allison	Bernard		Somerville
Georgia	Bernard		Somerville
John	Doucet		Cambridge
Brad	Kay Goodman		Cambridge
Beatriz	Malaspina	6g1re0dr-mD-ipbaaCrk	Cambridge
Chris	Mack	moCnre4vA-3ea	Somerville
Liam	Carolan	riDg8rapbkar-eCd4-m	Cambridge
Sydney	Ruggles	d8g5k-Ceateira4-mb-irvrApDp69	Cambridge
Shanel	Antunes		
Emily	Park		
Matthew	O'Keefe	ler3-sHeo1esmtt	Malden
Ninoshka	Leon Alvarez	eud6n1-precov5n1Aca1-o-7t	Cambridge
Tina	Mack	a34CoA-enrev-m	Somerville
Jessica	Duplissa	rm-a-6ar5iCgke1dpbrd	cambridge
Anne	Maguire		Cambridge
Sabrina	Sajous	t-raa11Fnm8-sh	Belmont
Melissa	Gardel	d3eo-1-cnACrvo	Belmont
Peter	Probst	i1a-hk8Llle	Arlington
Diane	Levin	AeL-ie-06w-eaVkl1v	Cambridge
Anja	Calise	tenAexvru8D6e-e	Watertown
Lauren	Stewart	3QhdSr6ar-t-c	Cambridge
Sarah	MacGillivray	8VveteAn-ein	Belmont
Mike	MacGillivray		

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Meredith	Moore	pAS-e 1ni.6tl	Cambridge
Georgina	Lamont	tA5e4 neveAu lbr	Belmont
Sean	Sullivan	orMteo16v nA	Medford
Christine	Odom	P5-r3-cAn-rokDa7r	Belmont
Elim	Na	1rg-pmd6r0-ebiarkaCD	Cambridge
Sahba	Salarian	Dgm1iaerrCra6-bpk0-d	Cambridge
Roger	Tobin	dir-oRv20m-eerL	Belmont
Julia	Paget	SiF-7mo-attn	ARLINGTON
Safiq	Khimani		
Avery	Dorgan		Cambridge
Karina	Davis	opa4re6l-2-oRdTa	Belmont
Kristina	Wilson	-P1-Se3etate8rlr	Brockton
Paul	Sevilla	0t-7m3ms-ersu	Somerville
Ben	Ligon	HvA-elaI	Somerville
Olivia	Gubler	rbrDre-1gimCaa5dk6p	Cambridge
Samantha	Seidel	aa-grPe-1vrkD6rm-dC0beii	Cambridge
Maya	Kurzman	9e-an-autvmP2	Cambridge
J. Alice	Sipple	2-oindrR-aM2	Arlington
Cheryl	Vernick	s7l4-lwleot	Somerville
Michael	Salib	e-tuydSDI	Cambridge
Emily	Dube	i-o21.ht-gtnS5rB	BELMONT
Brian	Graham	l2i7Wel6Asi-v	Medford
Amy	Shen	Rle-lid1K1-y	Cambridge
Jennifer	Lauchlan	yaBrwd26-0ea	Arlington
Nathan	Vierling-Claassen	evn-elaUt1i3O-Plie	Cambridge
Naticia	Hutchins	ad3tC-rStree9e	Somerville
Helena	Wong	D-rgCim0-abpr6aee1vikd	Cambridge
Haakon	Chevalier	tR12Sold-a-rdG	Cambridge
Ildiko	Phillips	a-eC9r5Dkd-i0egrr1mb,aiv7p	Cambridge
Karen	Rothman	nvao35HRder-t2-s1	Lyndhurst
Robert	Hegarty	de1-tor8Rn-M	Arlington
Aaron	Pikcilingis	caadnh-uRo4ardB2	Belmont
Abigail	Unger	ev-huR5ofetr5rAd	Charlestown
Andi	Ahern	iU-e-rn1unCT84pco3dtko-n22ir	Cambridge
Alessandra	DeLucas		Cambridge
Jesse	Chen	ro-k2dnTc0e-C3po	Cambridge
Kristen	Duncan	dC02nokc-erT3po	Cambridge
Russell	Bartash	1-a2ocvagt-ee	Arlington
Cedric	Shen	a-Sn1D51te	Belmont
Florian	Limondin	r0kCde2p3oncoT	Cambridge
Crystal	Ye	cdkoo4TC#83n-r-2e2p-1	Cambridge
Petet	Lowber	MeSri6tar-6en-tt	Cambridge
Michael	Kanter	eH-ilrrpg2elenS-0-rat	Somerville

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Sierra	Sanchez		Belmont
David	Heja	4R Hd3il l	Belmont
Victoria	Martinkus	p-0C ecr3n2oTkod	Cambridge
Alexa	Ornstein	he S1taeEartrt	Cambridge
Jenna	Rachman	1kbCrDdpa0 rrai3emg	Cambridge
abby	sullivan		cambridge
penny	mittchell	B1Asv-k-e5er0e	Arlington
Alison	Folland	7-al-ilWe3ovw1	Somerville
Emily	Cambridge	231-aonledc-oncr	Cambridge
Josy	Raycroft	sa-1t-ly6G	Cambridge
Kally	Lyonnaix	k4tA7SMtd-1c-3orpu	Somerville
Erin	Moorefield	-t0-10Br0ydaAow,8-ap16	Somerville
Naomi	DWORKIN	nSmaerh	Belmont
Debra J	Greene	ot-tn9-SGa51s	Medford
Sarah	Mangiameli	ni-3TepcodCour2kn2r	Cambridge
Sonia	Holar	Ca-pe1mDdkrriarb30-g	CAMBRIDGE
Christian	Volz	1-iaerdi0mr3bvegpr-kdCa	Cambridge
Hannah	Murphy	uacusssetve5hea-aM-2ts8n	Arlington
Elyse	Mickalonis	p-r6-Dmvrbre1a0eadkiigC	Cambridge
Vikas	Shriyan	ek3rTnp-ic2oud2rno-C	Cambridge
Kari	Sizemore	rE-Sttveet	Arlington
Donna	Southwell	e4eck-3-LS	Cambridge
Noah	Somberg	nevwelu7-e1lgAs-Co	Cambridge
Annette	Valdez	siet-soMlntrs	
John	Caveney	ad10arwo-yB60	Somerville
Ashlie	Sandoval	raiivmrD6r-e0e-pbadgk1G	Cambridge
Virginia	Perez	etrNu-8e1rwb-seyt	Somerville
Danielle	Smith	1eciR-5St	Cambridge
Geri	Strickler	yst2M-aertAe-r	Arlington
Melanie	Marketon	dP-5on-S2t	Belmont
Jennifer	Bermant O'Brien	e-eS8-ttaLtteearyf	Arlington
Peg	McAdam	A11Snenyevud-s3i	Arlington
Allysen	Palmer	T12-RMESLSE0Q	Arlington
Yaminette	Diaz-Linhart	DkrrmCe1ga-6ir5dapb	
Christine	Hayes	-a-4g-FuraArt9ev	Somerville
Deidre	Deegan	srSe-Cnt-ce9t	Cambridge
	ALIBERTI-		
MARIA	LUBERTAZZI	OWTR3S-TL13EE-ELL	ARLINGTON
Sonya	Green	Sno-tami6-Fr4t	Arlington
Parra	tomkins	e-v5Piar-8aRkwde	Waltham
Rebecca	Straus Ravenel	maronc-teSre63tStea	Cambridge
Glory	Ruiz		Watertown
Candy	Monroig	-d0m8-k74R.5	Quebradillas

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Amy	Abelove	Watertown
Alea	Robinson	Fort Collins
Andrew	Noble	Arvada
Ella	Schneer	Arlington
Steve	Rapp	Arlington
Peter	Yao	Somerville
Rachel	Candee	Cambridge
Aneil	Tripathy	Arlington
Edith	Wendell	Arlington
Anna	Cavallo	Arlington
Judy	Mintz	Arlington
Mark	Davies	Arlington
Vladimir	Kulakov	Arlington
Yelena	Skaletsky	Arlington
Vladimir	Skaletsky	Arlington
JOE	Mansfield	Arlington
Michael	Nowlan	Arlington
Alice	Bennett	Arlington
Nancy	Bloom	Arlington
Barbara	Costa	Arlington
Ashley	Laveriano	Somerville
Luchy	Roa	Arlington
Lorraine	St Thomas	Cambridge
Fred	Olsen	Cambridge
Heidi	Selig	Arlington
Sophie	Anderson	Somerville
Maureen	Mueller	Cambridge
Timothy	Dungan'Levant	Cambridge
Lyndsay	Washburn	Belmont
Martin	Bakal	Cambridge
aidan	richards	Belmont
Debora	Hoffman	Winchester
David	Tomaszewski	Cambridge
Bethany	Ericson	Arlington
Morgen	Quintus	Arlington
Janice	Cagan-Teuber	Cambridge
Robert	Ellsworth	Somerville
Niki	Burke	Cambridge
Liz	Murphy	Somerville
Nicole	Gustas	Arlington
Jane	Sherrill	Somerville
Karen	Jarosiewicz	Arlington
Ryan	Maloney	Waltham

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Tegan	Kehoe	thrt-2s-3eS0nenite6-#gaW	Somerville
Beth	Bellows	sve3oPe-nra-A6	Somerville
Ginna	Donovan	-olclR1mMad	Cambridge
Jason	Livingston	2weuo3ilnW4-Alve	Somerville
William	Denman	-4eMrne7t1Siat	Winchester
Ellen	Seebacher	ling-2Lalae-V	Berlin
Sharon	Wright	-n9to-u8S5-Flt	Medford
jaime	malzman	-ncivleer8eEuc-t4A	Somerville
Lisa	Alfieri	SgatS-n8re	Medford
Meryum	Kazmi	nFBti3r0e-ek-Srtaln	Somerville
Susan	Johansen	S-0im1r-ttrgaedb5eeC	Cambridge
TIMOTHY	JORDAN	T97N#44-0CA-AL71-S	SOMERVILLE
Ellen	Sullivan	aBrd66oa-y31w	Somerville
Sally	Orme	3WU-eet-lrt72i-h2e1S-n	Cambridge
Jessica	Steytler	5-6oSytBd	NEWTON
Chris	Young	eAevnoCoe6-n5ur-d	Cambridge
Maureen	Graziano	-9iSer6Dr-heov	Somerville
Trudi	Goodman	peaS2-e-mdit702eCtAg-8r1bt1-r	Cambridge
Sibylle	DeCarlo	GSr0sev-te-dieR-i52#t-re	Watertown
George	Grant	S-r-m4a8-nhatF	Belmont
Kamela	Dolinova	-sMy.t77citS	Medford
Sandra	Reinold	eRI-dOr-2v3i-	Belmont
Judy	Norris	5p-5-g2tr-vASInti	SOMERVILLE
Maria	Jobin-leeds	Pe01OxB39..7-1	Cambridge
Leo	Feininger	-kBtsealn	Somerville
Janet	Campbell	nC1,Ce4-apt-80-	Somerville, MA
Elizabeth	Kennedy	pe2-ncmolad-maH	Medford
Margaret	Ronna	-1letS5nm-tBo	Cambridge
James	EGGLESTON	3-S9C-TAJKSNO	CAMBRIDGE
Alex	Prenzel	St5ia-mr-e0ntetoFr	Arlington
Bob	Tosi Jr	4Isds1ve-earnn-Re	Arlington
Chris	Carden		Arlington
Cheryl	Brusgulis	-Mttr3ao-na.9Sh	Arlington
Stephanie	Pedler	4RB-leeevlud	Belmont
Nadine	Kraman	Ce2-gntsti-ruSe3h	Cambridge
Beth	Jacobson	3rttn3-eece	Watertown
Ellen	Crocker		
Melora	Rush	-EtImS5-51	Somerville
Steph	Mcguinness	tVi-a5r-coSit6	Somerville
Marissa	Molinar	e-e2gAa-vot1tC	Somerville
Sophie	Anderson		
Anna	Nolden	-erWe-6entrStar	Lexington
Donna M	McKibben	Re-eSrvitrte	Newton

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Ann	Elliott-Holmes	Cambridge
Patricia	Doyle	Waltham
Mary	Vriniotis	Somerville
Lina	Ye	
Luke	Lee	Belmont
Thien	Lohavichan	Belmont
Greg	Hill	Somerville
Kalina	Kirova	Belmont
Lily	Lichtenstein	Somerville
Taylor	Bowman	Monroe
Brooke	Williams	Arlington
Melanie	Abrams	Cambridge
Don	Abrams	Cambridge
Brian	Kelleher	Somerville
Ruth	Hatfield	Arlington
Carol	Svenson	Arlington
Ross	Dickson	Arlington
Ellen	Cohen	Arlington
Suzy	Liebert	Arlington
Amy	Cohen	
Cindy	Hession	Arlington
Rebecca	DeSmidt	Arlington
Boris	Goldowsky	Somerville
Matthew	Gallant	Somerville
Margaret	Schulz	Cambridge
Alexander	Ezorsky-Lie	somerville
Gretchen	Adams	Cambridge
Heather	McCurdy	Medford
Kai	Giannelli	Revere
Lili	Allen	Brookline
Kathleen	McDermott	Boston
Marcia	Ciro	Watertown
Ben	Baron	Somerville
Diana	Lempel	Cambridge
Melissa	McWhinney	Somerville
Afiya	Webb	Milton
Matthew	Wilson	Cambridge
Marijane	Zeller	Winchester
Erin	Bys	Cambridge
Martha	London	Malden
Nagesh	Mahanthappa	Cambridge
Pallavi	Mande	Brookline
Barbara	Strell	Somerville

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Erin	Burrows	0826xS #tr. dof	Somerville
talia	shire	t-steuise2rCt4	Medford
Richard	Falzone	a9yrB4 2owad	Somerville
Elaine	Campbell	d2iRsO1 r v	Arlington
Rosa	Carson	-y2AdpB7o,7a t3r wa	Somerville
Tyler	Mourey	ar eetrBS 9otnt	Somerville
Timothy	Brown	-l3aA-ves2eatPn	Somerville
Diana	Arboleda Kindlon		Cambridge
Stephen	Morgan	et aRBd-s17	Arlington
Kara	Cortesi	t-e3erees1strW5t b	ARLINGTON
Ashley	Holtgraver	-tilS8re tke2S	Arlington
alexandra	weiner	-n l2aCv0tiS	Somerville
Ashley	Lamontagne	-lAvsnew9Wio2	Somerville
John	Borecki	v1et Fra5Agr-ua	Somerville
Stuart	Levy	it 9F2t arSomn	Arlington
Margaret	Ryan	-OR4e-ssdepi	Somerville
Christine	Metzler	Tt1Sr3 teure ll	Somerville
Jamie	Trent	onCd0c6or3Aev	Cambridge
Rebecca	Lopes-Filho	lTH lRsd-e96i-n	Somerville
Kaspar	Kasparian	et f2eewSt8Rr-5rne	Arlington
Lygia	Grigoris	u07A3evner kPa	Arlington
Dawn	Witham	rndoeKhTi	Arlington
Alice	Jardine	l1ietetpSnSge-ay rlvR2	Arlington
Rachel	Roccoberton	-Edne41goR-rt	Arlington
Nancy	Feeney	Ct-rw5afodS4r	Arlington
Jana	Spencer	i-evwar9d6RGnd	Arlington
Barbara	Byfield	-stAs-av-5t61sMAacu-es2T5ePh	Arlington
Daniel	Heller	lii-rsB-52leC	Cambridge
Matt	Rameior	mrrianFto	Arlington
Kevin	Josephs	hivaH2ndAle4-g1	SOMERVILLE
Elizabeth	Abbott		Arlington
Tracey	MacNeill	SgR-aavro-ea1de1	Cambridge
Tiernan	Smith	-eS-tTgdiorb46rw	Arlington
Kara	Olivere	1-82olov-ddruBewH-esP	Somerville
Joel	Wachman	g5mneSe-M-etyttr5oor	Cambridge
Joseph	Coviello	auRnoPdr-ait	Somerville
Bradford	Johnson	Ra3gil-5nhddH	Somerville
Ashley	Lieberman	v-C7fAee8i-lf	Lexington
Preston	Gralla	StthBee-9r-cee1	Cambridge
Christine	Dall	6-Ma1aus1s-1seseAhctvt	Lexington
Silvia	Dominguez	ro-deeiT2n-rS7tehkt	Arlington
Andrew	Griswold	iWdt-a-8nRmh	Medford
Melissa	Ress	t4eo7enlSrtgnr-t iA	Medford

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Nancy	Levin	leT-22e	Arlington
Larry	Kerstein	rn91Fi-an-mRyWs1ade	Burlington
Timothy	Douglas	ir-Snl7.ttS-eg	Somerville
Peter	Gailitis	4-7dp-onts	Belmont
Barbara	Brown	alnukhd1-eg6Av6Henl	Winchester
Anna	Magracheva	1ldeva-5CeSer-tetln	Arlington
Laura	Beretsky	Hneou-ve-4Ark6eo	Somerville
Mary Baine	Campbell	-9a6Sp-nae,i-3AtLnt-n	Cambridge
Anna	Seleny	dRaceoewr-L202n	Medford
Sophia	Maniaci	1t-mSar8oSatnce	Somerville
Lauree	Mansour	t-SylterCae	Cambridge
Elizabeth	Anderson	Slit-yC-6a3	Cambridge
ELIZABETH	GRADY	N-a3nr8ohvuom-Aydtse	Cambridge
Debbie	Moss		
Barbara	Feldman	sbr2koi1-R-doBe	Bedford
Roberta	DeFrancisco	Btn4rS8g-o-tih1	Belmont
joyce	colman	4et-thrsei-w2ettri	cambridge
Margie	DiMonte	dRakeD-r	Arlington
Caitlin	Roberts	9nv1oe-r-uHA3	Cambridge
Boris	Vaisman	Cted-t-1nSl-in1,ae-lUv5	Arlington
nancy	phillips	eARTS6ic3-	Cambridge
Susan	magdanz	7nam4htS-e-rs1	Cambridge
Libby	Shaw	y7eeTl-Pkom3wnt-p	Watertown
Christina	Moriarty	klmnaSiFt1-41r	Cambridge
Jocelyn	Woods	a2-1.C3treS-d	Somerville
Megan	Hathaway	eorMr-iAovsn	Somerville
Gary	Wells	aa2Pnn-7s-e-sMlot.tut	Woburn
Kathy	Felgran	et2-seihAv-3W	Watertown
maria	tatar	e.erkty-eB1S6	cambridge
Alison	Ball	-75LStrt-enaew	Cambridge
Paul M.	McCarthy	F-retS528t.so	Arlington
Katy	Peake	Rlna-eR-oed2	Medford
Susan	DeAngelis	nde473o-C-Acrov	Cambridge
Trudi	Van Slyck	iLex1A-e9vnn8e-gt	Cambridge
Dmitri	Hoffmeyer	Jn1Rhosdo-2n	Arlington
Susan	Barbarossa	tmrSes2tAh-r7-eet	Arlington
Phyllis	Pownall	-igitden1de-Sl7Rf	Cambridge
Rachel	Wyon	d8-Sy3-2itnes	Cambridge
Claudia	Buckholts	unrnAe5edCn1-elv-ao	Somerville
John	Callerame	S2i4-tsUtnn,ak-2-B-	Somerville
Olivia	Petrillo	pt-L2eozS1	Cambridge
Maureen	Mansfield	P7QBxo-r	WINCHESTER
Gabrielle	Hatcher	3eAo-Hm4e-vr	Cambridge

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Judy	Farr
Margaret	Lewis
Jan	Murray
Elizabeth	Roman
Christine	Molinero
Steve	Stodola
Vickey	Bestor
Sheila	Ehrens
Marissa	O'Connor
Jeffrey	Smith
Rob	Vandenabeele
Patti	Galvin
Robert	Angell
Michele	OBrien
Carlene	Johnson
Dina	Cervantes
Mary Kate	Phillips
David	Reiss
John	Schizas
Cheryl	Creed
Ida	Rahimi
Pat	Desroches
Syeda	Sultana
Molly	Weiner
Paul	DeFilippo
Maxwell	Ciolek Passeri
Kathryn	Killoran
Susan	McLucas
Paula	Maute
Estelle	Disch
Reena	Freedman
Marcy	West
Ruth	Ryals
Adriane	Musgrave
Sheri	Medlenka
Ellen	Stone
Carol	Reiman
Rozann	Kraus
Liam	Keohane
Haakon	Chevalier
Deborah	Belle
Sara	Lennox
H D	Snyder

davea-regrS
rdvi-R88sO

rt-lv-niAg34S
dIG-o-5.Setanst
-ec1eCi-veserlnA8ntIHu
-aRdl1adn9Up4-o
ekr-g1os9ap-am
Re-otyd-a6Dr5ho
li52notrAtS-ne2get-r
taemn-eStlnr
it-W5-4nSn
sn-iwSWlot-4
d-1,n2-dhAgt-plRaHi2
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S3adel2
rr-kav5mDCiepieardgb-0
tln-nrsFika
t3-edT9sahS

d2W-8a4e-tnlS
ich-rRadAv
ee2d-Rv3igA6
el-terera12-7tPS
3DR0W-ESNNADO-L
g-Srnl11i-v
r-e6ag1eaoda-RvS
ti-mlaSW-il41
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ernlr-e5SkFai3n4-tt
2s-lHtle-4kSa
C-buul-ao36msv

l4Hst8-l-Seak
-oh-FSt29c
rG-o-3vis5naerA
0-t1-erPcR3sptoS
htinSo91lt-G
e2t1-st2on-Kl
lo-Rd-1-rd2StGa
R2Y7EAEMV-L-T
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Judy	Rabinowitz		Somerville
Dennis	Fischman		Somerville
Helen	Palmer		Cambridge
Brett	Goldberg		Somerville
Joshua	Goldman		Somerville
Janet	Gottler		Arlington
Meryl	Becker		Arlington
Richard	Rabin		Arlington
Samantha	Caveny		Somerville
Heidi	Friedman		Somerville
Larry	Miller		Somerville
Robert	Collins		Somerville
Laura	Tennenhouse		Arlington
Beverly	Schwartz		Somerville
Manny	Noriega		Cambridge
Marsha	Rosenoff		Somerville
Susan	Fendell		Somerville
Marya	Axner		Somerville
Piotr	Szamel		Cambridge
Ellie	Botshon		Somerville
Gleb	Bahmutov		Cambridge
Jovie	Conroy		Somerville
Gillian	Wright-Cassone		Arlington
Sarah	Ventimiglia		Somerville
Valentina	Sabino		Arlington
Susan	Desmarais		Arlington
Mark	Burnham		Somerville
Sharon	Quintero		Somerville
Laure	Porter		Arlington
Sharon	Guzik		Medford
Neil	Kominsky		Brookline
Diane	Lynch		Somerville
Lani	Savvidis		Arlington
Dominick	Calsolaro		Arlington
Jill	Gleim		Ipswich
Oksana	Launer		Arlington
Joanne	Cullinane		Arlington
Gail	Mahoney		Arlington
Charlene	Kim		Arlington
Amanda	Ellenwood		Arlington
Michael	Curtis		Somerville
Derek	Gagnon		Cambridge
Joel	Weber		Somerville

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~~07H2tnevdi-a 2hpA-e,ug5lnA~~
~~8rMo-Stn8eu~~
~~StAs8tem-e-e3r~~
~~rxfaetSi38-Ftera~~
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~~ebn-Reor6de-2dAa~~
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~~tn2nrt-meaSle~~
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~~Lgir-7nø2~~
~~eor5rnklih-w1dt~~

~~0nou7Av-it1Mna-e~~
~~-taSte4IH-4m~~
~~Wtrrlee-a6T~~
~~lat-13nt-WSu~~
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~~M-ina-gnSnt01~~
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~~etbrtei-8-trnU2Ne2nee-wS~~
~~iSt-tno-1l21M~~

~~d8i7Rall1r-g-A~~
~~end-wu1rBikR1s~~

~~tbH-bSrit-e110~~
~~eRoakdi6s-1-Hpn~~
~~iton-dR-tn1gH1nu~~
~~-9tC-rucShh5~~
~~eatMoR-g4ina-1dn~~
~~uaethW-sr-Se2t4e~~

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Randy	Swan	HeSgn-turiettn	Somerville
Danny	balentine	6eS13S-urmt-m	Somerville
Brian	Souza	44rBt-oS-ew	Medford
Asia	Kepka	S-Setetk1r7i-l	Arlington
Meredith	Whatley		Arlington
Marloes	Rozing	smrAnSeet-tde	Arlington
Laura	Hawkinson	orRdn32iBgn-w	Arlington
Jim	Abshire	Eit7l-o4S1-tl	Newton
Zoe	Cronin	-SM1t-2trVn-eon1	Arlington
Meghan	Powers	1-tasmdS-A7	Arlington
Cassandra	Valladares	t8rAhtS-e0-se	Stoughton
Heather	Aordkian	nves6del-Rsn3-r	Arlington
Darci	Hanna	6g3hWesgo-itrS-wtl	Somerville
Amy	Mulholland	S6-naa-dytrM	Arlington
Sylvia	Stevens	MTUNV9A-8SR	ARLINGTON
Judy	Eisenberg	anoatd3Cle-r5R	Somerville
Mary	Morrow	-d5-eiowgtS2rbrT	Arlington
Doris	Mainville	engau7eAh-2H-ndvi9l	Arlington
Lace	Ronald	mAr-te7hs-3St	Arlington
Michele	Lee DeFilippo	a3sLnew-R0daondo	Arlington
Bridget	Collins	Wdos-R7od-8	MEDFORD
Lynn	Hirsh	-0m,4uhH1-r-teey1Sptre2	Swampscott
Max	Bock	ta-gtr1-r2SeMa	Arlington
Heather	Bruce	rtu07StrS-1emem-e	Arlington
Carlos	Rajao	aeivdR-gen	Cambridge
Karen	Bois	n-v1-utU4ieAyne	Belmont
Kathleen	StJohn	oevxe2nitgAeuL-nn42	Cambridge
Bonnie	Lipton		
Carolyn	Greenberg	-JotSn-kcas-19	Cambridge
Claire	Schub	e-av4ilAlTa.h-gnv	Cambridge
Isabella	Nebel	vr71rr-edaC	Watertown
Binah	Vachtel	e-eb5rrnt4otu-W2s	Lexington
Elizabeth	Mahoney	-avrDeiMoieimlr	Cambridge
Resa	Blatman	tr-rStteaeB-teti24	Somerville
Maeve	Mueller	l9l-ieDsBrei-Clc3	Cambridge
Peter	Williams	n02-vh215te1eua0	College point
Karen	Jarosiewicz	rd7-R1bHrtee	Arlington
Linda	Morse	p3pe8etSrT2-ana-t	Brookline
Saskia	James		Cambridge
Rhea	Lesage	rr-brtTl2eeaaA0	Cambridge
Maria	Sotiropoulos	Fte-eattonimrrs	Arlington
Katharine	Gerne	-Au2revo-uHenn38	Cambridge
Heather	Gannon	r-0-1Stet7iOtes	Cambridge

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CATHERINE	JOYCE	tHee1ee8s-orndt-Srn	Arlington
Jason	Shippo	nn18Hd-rsSteeo	Arlington
Reva	Stein	v2e-oSRa-adrega	Cambridge
autumn	lopez	le10ota-BRdr-8is	Somerville
Lia	Brodeur	1-r6SteMnaiet8	Medford
Caroline	Murray	9d5r-u-bReGlnn	Arlington
Deborah	Yun	-teyeeA-50dmS	Arlington
Alison	Charamella	r-23eoc2n-TkdCop	Cambridge
Paul	Lipsky	9sa0itcw-ekVyr5aly-yIPaM	Somerville
Emma	McKenzie	3ehCes-2erv-At	Waltham
Brian	Mariano	Se9-tnlr4-eoM	Arlington
Linda	Hertwig	MSec2t-1tmgryne0	Cambridge
David	Lough	eaS-eta9t4rrne-Mth	Arlington
Mona	Mandal	nS-Writ,re-4ae2t1t-U-te	Arlington
Jac	Goldstein	-0nd1ooReorrGv-a	Arlington
Haeri	Yoon	-aTv9arH-Sd2r5	Cambridge
Nancy	Cotto		
Fara	Ramjane	oFstr-7St	Cambridge
Catherine	Waltman	3i2aoAnm-ttS-Fr	Arlington
Debra	Woog	N-Soi4.n-.n5Ut	a
Allison	Berger	hd-tUo-r-32aSmn1Fi-t	Arlington
Debra	Woog	..UNT-4onSn-i-5	ARLINGTON
Sarah	Ouadghiri	e-rt1InnetID8eoS	Cambridge
JOAN	MARTIN	ST14DRIEEW-NHR2C	ARLINGTON
Anne	Civetta	te3cr-Sn-h2F	Watertown
Gina	Sonder	llabRmdK-i	Arlington
Jacqui	Kluft	mr2epnaedo1-r-t1ar	West Newton
Allison	Stieber	e1-tWt5ertaty-S	Somerville
Mal	Funaro	yA1S5-t-Bvta-ae	Somerville
Linda	Moussouris	0-0v-AM3442-e#as.s	Cambridge
Andrea	Golden	voROe-rlk-edl	Arlington
Kathy	Blake	0Sa-3-nwLt	Cambridge
Susan	Morrill	dCe2uoi2np-Tonk-c3rr	Cambridge
Irene	Lanois	8-lwo1vn-nueleeAC	Somerville
Kate	Johnson	Edw-n-d7iR	Waltham
Annmarie	Flynn	3a1nIWd4-e	Cambridge
Patricia	Bull	r9aywo3B-d9a	Cambridge
Vicky	Roy	ahrrQcd	Cambridge
Eve	Berube	Or-hdrscat	Cambridge
Joelle	EPSTEIN	oM99tS-dr-teefH-rdeP	Somerville
Lynn	Betlock	-A41-nRid6veeg	Cambridge
Jill	Richaed	1-Shi9-H2tg	Medford
Cindy	Carpenter	aAv0-k7-Per	Cambridge

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Joanna	Fink	DOB6LL-RLPA	CAMBRIDGE
Robert	Kohler	en95ouv-oeM-ntAr	Medford
susan	mcdonald	rayoabdw	cambridge
sue	cross	a-2mrytwne-6	Arlington
fran	barbaro	u-ori1Jnpdrea-19	belmont
Heide	Solbrig	-erLrAan37t3,ee-ttm-t#See-p	Cambridge
Patricia	Kervick	laMg5ton-ai5S	Arlington
Yuan	Zhou	yma1S80etSoc-r	Belmont
Janis	Higgins	p1-6te-meTl.S	Medford
Pankaj	Kalaiya	e-darhRaTo9y	Belmont
Harry	Triantafilles		watertown
lynne	thompson	t-5Heete-S5tahr	Somerville
Katharine	Wall	,aac-t2IU-Tb-t2-rirA4eneer	Cambridge
Robert	Kuhn	k01rTi1Sot-nhed	Arlington
Max	Grossman		
William	Lonn	1IUa-n4dRdp	Somerville
Edward	Miller	r3-ot-rtFeStees	Cambridge
Alexandru	Ivan	b1iamaCg-rrDkdrvpie-5e6	Cambridge
Michelle	Faller	eBelmss	Arlington
Jill	Dierx	erkcCoTpd-no	Cambridge
Kelly	Cartagena Rusch		Medford
David	Shapiro	L-lutrr65.T-iyed	Durham
Mary	Yardley	7nEoaesR-od1rrnGme-ads	Lexington
Ky	Talbot	elw-#8n-CI2v2ee-A	Somerville
Duncan	Peckham	mhloAatnewvonem-euC	Boston
Ahmed	Fathi	n-av64aiosregr	somerville
Christopher	Mow	Nn-n1tto0r-i3-USoh	Arlington
Carolyn	White	e-2A6sa7#-vMs0-54	Arlington
Michael	Shannon	sMtIahlar-S	Medford
Timothy	Brown	v2eAsnaale-3-Pt	Somerville
John	Tortelli	vndSnu1-0As1eeyi	Arlington
Christina	Westfall	St-eT-2I3e	Arlington
Julia	Propp	s6Snn1yue-Aeunvi-de	Arlington
Erin	Shackelford	leA6reb1e-rTtar-e	Cambridge
Ellen	Zimmermann	et6mFrt9iaSn-rt-ee	Arlington
Federico	Muchnik	ei8#A2eva-ee3-nIRu-hd	Cambridge
Elaine	Crowder	aibno-e7-o-nnr1I2LeGUkt	Arlington
Jane	Whitmore	at-a5SonMilg6	Arlington
Amy	Rothschild	vHyS3te81-ra	Cambridge
Ralph	Iverson	5t-M6-Sogniala	Arlington
Emily	Stone	-ySertv1Ha4	
Sam	Bromfield	ntCt6i1or1e-t-eSfl	NORTH CAMBRIDGE
Martha	cleveland	e4eMv-1A4ri-nesr	Cambridge
			somerville

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Samuel	Walsh	a-is-6aDvde7r	Belmont
Elle	Young	Gy0a-7r3	arlington
Jean	Devine	l-5ihdR2geaR	Belmont
GRIFFIN	DESROCHES	Rhvr-ca1-eA1id	Cambridge
Ammara	Kanyat	vuneR-gndAeie	Cambridge
sabria	teffahi	rdaW-qe-nsdl	Cambridge
Shujin	Liu	-n8tdooo1SaR2oByr-k	Belmont
Kiril	Kueppenbender	sneP4-ti	Belmont
Aidan	Flanders	imr-t6esy3tsect3	arlington
Lilah	Rege		Belmont
Noah	Migbaru		
Kim	Deandrade	4NT5SLRATEEA-C	MEDFORD
Caroline	Ellis	Rd0eoneaD8-scs	Concord
Jasmine	Rancourt		Cambridge
Karen	Fanale	-tt1tt#7rBSlr-e11ee-a	Arlington
Andrea	Landman	rre-eRtg0e-ets1S	CAMBRIDGE
Carly	Sherman	W3-ga8-t6hSoisnnt	Brookline
Roberta	M Brunelle	1hB2-7e8-x,a19Rdc9-B	Vineyard Haven
Patricia	McIntyre	dW1aee-e2cwtbo-R	Arlington
David	Mussina		Medford
Judy	Day		Westborough
Jules	Roscoe		Boston
Maddie	Ruth		Medford
Ethan	Linsky		Watertown
Matthew	White		Brookline
Henry	White		Brookline
Mike	Yeomans		Framingham
Chris	Leininger		Malden
Ryan	Smith		Brighton
Marielena	Lima		Worcester
Anna	Renkert		Medford
Michael	McCarthy		Malden
John	Preotle		Boston
Richard	Howard		Malden
C Fred	Seager		Malden
Paul	Hanbury		Brighton
Sushant	Bajracharya		Wilmington
Vick	Mohanka		Cambridge
Samantha	Lambert		Lynn
Kira	Lin		Cambridge
Andrea	Nieblas		Medford
Mark	Kelly	n-e-s8t1ua1oAngihhWev	Needham
Patricia	Kelly	gs7Snon-ti3tk	Somerville

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Jim	Walsh	Nahant
Laurie	Richardson	North Attleborough
Joe	Malinowski	Willimantic
Nick	Stone	New York
John	Hubbard	Seattle
Christopher	Pfalzgraf	Dublin
Nia	Thomas	Easthampton
Hubert	Napierski	Ventnor
Doug	Orleans	Somerville
Pierce	Reynolds	Ferndale
Robert	Thomas	Easthampton
Daniel	Ruggero	
John	Whitson	Portland
Perry	Grossman	Brookline
Ian	Forsythe	Arlington
Darryl	Norsen	Waltham
Kris	Thompson	Watertown
Dave	Abramson	Seattle
Sarah	Wilkinson	Arlington
Cullen	Malone	Arlington
Rey	Diego	Santa Cruz
Johnny	Lynch	Albany
vicky	Wheeler	Garwood
Mark	Dreikosen	DICKINSON
John Adam	Fahey	New York
L.Todd	Forselius	Cheshire
David	Kulik	Carlisle
Carl	Young	Raleigh
Steve	Holtje	New York City
Gordon	Jamieson	Arlington
Steffania	Campagna	Stoneham
Laurene Hughes		
Waltman	Hughes Waltman	Scituate
Austin	Cooley	Houston
Stan	Demeski	Haledon
Joseph	Urban	Cambridge
Rebecca	Stack	Washington
Joe	LaRoche	Arlington
Emily	Johnson	Arlington
Nancy	Lowe	Arlington
Lauren	Boyle	Arlington
Cynthia	Hamilton	Arlington
Gina	Catinella	Malden

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Jessica	Pollins	dSdr4h tea n5uRl	ARLINGTON
Alex	Lafontaine	lPate5 Sr 9	Somerville
Carol	Springs		Arlington
Thomas	Capuano	rDm.1reaC65b paikgdr	Cambridge
rebecca	perhanidis	hdnes tioktr	arlington
Irene	Hosey	-oe5kthi nTr8dS	Arlington
Libby	Gallagher	aC 9cir L2rh	Belmont
Lois	Greenbaum	towea0e 2nvs	Somerville
Bonnie	Kwan	Ag210d 8Rv 3#i e1ne	Cambridge
Cole	Rainey-Slavick	lrrnC#90ta .et s8	Somerville
Patrick	Dukes	Sr3 t oJee2m	Medford
Emma	Wightman	sa a NuSh9t	Somerville
David	Lindquist	S4FS TARC9 2T	WEST NEWTON
Rose	Udics	Ru 7a Fnt7naiodo	Arlington
Shelby	Dwyer	are eoAvPsn47	Somerville
Ann Lee	Collins	7SqWesretr auecro	Boston
Helen	Kilian	itngRdS i eelfd5	Cambridge
Tanja	Friederichs	o3 4thNsrAt	Somerville
Nathaniel	Dempkowski	S et i ,n5nw3orHtt2teerUha	Somerville
Susan	vickers	y6Mc3 3s tSit	Arlington
Joseph	Kesselman	d7nH eor7sne	Arlington
Wendy	Whoriskey	A# eek1 3yoP5i1 wBwkfolr	Somerville
Craig	Caplan	9Stlr o aTy	Peabody
Marina	Weinstein	ore5s rGnAiv a1	Somerville
Ezra	Kanarick	mr6ss e ttd4aea	Medford
Michelle	Anders		Somerville
Sheila	Bailey	8HaeniA d vl4hg9	Medford
Daniela	Cafaro	1oaa11rwyBd0	Somerville
Shelley	Wax	rev3e tuc2ta	Somerville
Claire	Turner	tLtin pe 01 2 A1S	Somerville
Lena	Davis	dt0Sn i2e nL	Somerville
Marcia	Amaral	iuf3otnn5eva a	Somerville
Katelyn	Artone	dpra1ow 1 a6y3a1 db6t	Somerville
Karen	Chmielewski	-altt1 r5Bt1etS	Somerville
Jessie	Taylor	u r9tbyNweS	Somerville
James	Dhesi	naHecke	Everett
Caroline	Lunt	2rta0e inS tG	Somerville
Emese	Badics	lUapodn rad	Cambridge
Liz	Quinn	wSgeBe tltir oe5	Somerville
Anne	Linders	an3oRS8d A slt 6pte	Somerville
Yasmeen	Farra		
Laura	Pitone	4 g6 rsdveARo	Somerville
Alexia	Hernandez		Arlington

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Elaine	Mulcahy	t-Co91r-Sut	Arlington
sabrina	morais		
Gigi	Imperatore	t18lat ttB-Ser	Somerville
Juliann	Rubijono	18i-CDnar-u11M2-pams	Lexington
Jennifer	Waldrop	TkCopo7nr-77dec	Arlington
Dylcia	Barnhart	sr6-at2leblemra	Arlington
Kristine	Acevedo	trr50urtSo-enAyh-e31	Quincy
Julia	McLaughlin	trae6-MrSm0c-i	
Justin	Conway	9H4nkS-ycit-e	Somerville
Anna	Barbeau	-t0se-tte-u21erie2tn-uadr	Arlington
Karen	Miller	n2it5-SMoads	Somerville
Elizabeth	Rocco	rt4neaSt-9-Gf	Arlington
Margaret	Aylward	erdiei-pdgrn	Arlington
C	O'Neil	ahd5r-aB-sw0St	Medford
Jennifer	Carroll	Dhretot-seurmatt	Somerville
Nina	Bauer	es-S-0trCh4et	Somerville
Maria	Maloutas	N26t1rhtS-o	Somerville
Glick	Melissa		
Paul	Leavitt	2HtSet-hirg0-e	Somerville
Kevin	Slane	nC3eK-tt-	Somerville
Giles	Kotcher	a-e1ACdr9ve	Somerville
Helen	Lindsay	rTn3Co2d-ckp-oe0	Cambridge
Samantha	Snair	iSaMa-gl-9otn	Arlington
Perpetua	Cannistraro	Srr01-Dt	Boston
Jade	Welch	ist1pae6shr-H8m	Cambridge
Brooke	Fox	tc9nS3B-0a-e	Arlington
Jessica	Newman	dk-o-RolrBda.e4	Arlington
Sarah	Yenson		
Alicia	Conway		Somerville
Ellen	Godena	0lSt4a-trHoew-re	Arlington
Stephanie	Liu	-de4eRvli9-ra0	Belmont
Kip	Lyll	nl#-1ct6yieH-S-k5	Somerville
Dana	McGillicuddy	7Strn-1a-Wr2e	Medford
Amanda	Gazin	e-iMSsytt47	Arlington
Noemi	Hemenway	neine-l3t1octLSr	Somerville
Lindsey	Brody	-mi-euSA2vm4t8	Medford
Kudzai	Chikwamba	uSp5-A2intntH-t-g	Cambridge
Sofie	Bjorksten	s7tpt-16e-owrn	Arlington
Marci	Cemenska	e5-Dortikl9Ovu-o	Lexington
Erica	Salazar	el-lLvt0S	Somerville
Carol	Harrington	7-n1J-taoS.s	Arlington
Abby	Getman	-AE-D-YR1TP3XAR	Cambridge
Olga	Egorova	treSalePrte-l1-P2	Somerville

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Ronnie	DiComo	uCAeouh6a2te-v	Framingham
Rob	Noyes	tsEml	Somerville
Tammy	de Sola	5GrvS4e-to	Arlington
Susan	Holland	-rrcne2eomN-yaaT6dr	Cambridge
Tiia	Groden		Somerville
Liz	Wing		Somerville
Stephanie	Cogen		Cambridge
Sophia	Fangman		Somerville
Lindsey	Collins		Medford
Michelle	Anzalone		Medford
Brooke	Bednarke		Medford
Liam	Petty		Medford
Marisa	Dery		Somerville
Rebecca	Hartwell		Cambridge
Tim	Armstrong		Somerville
Meredith	Maglio		
Victor	Szabo		Somerville
Jerry	Wu		Boston
Brandon	Higgins		Malden
Hanan	Bloomer		Cambridge
Cait	Moffatt		Cambridge
Alex	Afonso		Somerville
Sarah	Eustis		Somerville
Taryn	Moon		Somerville
Kaushik	V		Cambridge
Nathan	Waal		Somerville
Joni	Lam		Somerville
Jon	Azzariti		Somerville
Danielle	Azzariti		Somerville
Jake	Pettit		Somerville
Simeon	Weston		Somerville
Alex	Bloom		Somerville
Alex	Van Dyke		Somerville
Melissa	Kelly		Somerville
Kaleen	Moriarty		Somerville
Justin	Hilson		Somerville
Naomi	Stringfield		Medford
Frank	Houlihan		Somerville
Carol	Pineda		Somerville
Steven	Nutter		Somerville
Erin	Holmes		Watertown
Catherine	Trott		Somerville
Cathy	Thomason	-Wnt1u25S#-5t,al	Somerville

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Matthew	Cole	[REDACTED]	South Boston
Kyle	Reed		Somerville
Shruti	Dalvi Rosen		Somerville
Mithcell	Dalvi Rosen		Somerville
Jasmin	Lawler		Cambridge
Ron	Newman		Somerville
Sarra	Shubart		Somerville
Kristen	Gresh		Somerville
Denise	Provost		Somerville
Roberta	Robles		Jamaica Plain
Rudraksh	Tuwani		Stoneham
M.	C.		Somerville
Christine M.	Yphantes		Somerville
Joy	Kolin		Somerville
Nathaniel	Averill		Somerville
Melissa	Brown		
Eli	Nellis		Somerville
Daniel	Gittelsohn		Somerville
Sierra	Chichester		Somerville
Marc	Resnick		Somerville
Jeremy	Angier		Cambridge
Stephanie	Schneider		Somerville
Liz	Pallatto		Oakland
Adrian	Cotter		Oakland
Maia	Kingery-Gallagher		Somerville
Caylee	Pallatto		Brookline
Eric	Ambos		Somerville
Rebecca	Miller		Somerville
Bob	Smith		Arlington
Preston	Gutelius		Somerville
Chris	Gallego Lazo		Somerville
Steve	Isko		Somerville
Julia	Zachary		
Fiona	Doyle		Somerville
Ali	Ukani		Somerville
Emily	Bott		Belmont
Matt	Mollison		Somerville
Rebecca	Morris		Medford
Jeremy	Harrington		Somerville
Kerri	Connolly		Somerville
Finn	O'Brien		Melrose
Hannah	Lee		Wilmington
Mary	Newport		Cambridge

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Lucy
Patrick
Michael
Ruth
Trevo
Maria
Tracy
Gretchen
Mary
Scott
David
Eli
Ariel
Alec
Cole
Ruth
Chris
Patrick
Abigail
Clea
Jon
Katie
Carl
Julia
Aaron
Harold
Anne
Alicia
Sam
Bert
Austin
Abby
Manan
Tim
Christian
Sawyer
Marri
Brittany
Ariel
Zoe
Michael
Ilene
Stacy

Winters
Burke
Manning
Bristol
Clark
Hottelet
Orr
Rabinkin
Cassesso
Farrell
Matthews
Goldman
Lepito
McDonald
Voorhees
Brillman
Davis
Colby
Chouinard
Simon
Garelick
Blair
Snyder
Carey
Hoffman
Oshima
Oshima
Byrd
Feldman
Rosengarten
Fairchild
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Yongin	Jo		Somerville
Robin	Amos		Somerville
Allison	Tanenhaus		Somerville
Kathleen	Froehlich		Somerville
Chris	Abbott		Cambridge
Erin	Porter		Somerville
Nicholas	Monser		Somerville
Ashlie	Taylor		Somerville
Patty	Eames		Cambridge
Doug	Bosley		Somerville
Heather	Barna		Allston
Anna	Keenan		Somerville
Kris	Fausnight		Somerville
Ethan	Gerber		Somerville
Douglas	Donaldson		Somerville
Braden	McManus		Somerville
Rebecca	Gotlib		Somerville
Isabella G.	Strezo-Filippo		Somerville
V	Van Sant		Somerville
Amy	Book		Somerville
Erica	Rogers-Jensen		Somerville
Emi	Okuda		Somerville
Declan	Morrison		Somerville
Jessica	Stokes		Somerville
Adam	Moscatel		Arlington
Susan	Stamps		Arlington
Chris	Ammann		Boston
Jillian	Martin		Arlington
Kevin	Coyne		Somerville
Michael	Landuyt		Somerville
Caitlin	Friend		Somerville
Morgan	Blevins		Somerville
Jonas	Hall		Somerville
Michael	Gratta		Somerville
Abbie	Ruzicka		Somerville
Cynthia	Devereux		Somerville
Charlotte	Dore		Somerville
Erin	Trousdale		Somerville
William	Zagata		Arlington
Roger	Moore		Somerville
Adam	Sankowski		Somerville
Hannah	Koeller		MEDFORD
Alex	Ball		Somerville

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Eric	Devin
Ellen	Kranzer
Julie	Baer
Lucas	Marino
David	Taberner
Manuela	Marino
Laura	Gennarelli
Gaelen	Chinnock
Layne	Kasprzyk
Eli	Tucker-Raymond
Ian	Lavery
Philip	Cook
Jan Marie	Olownia
Christian	Waters
Joseph	Charron
Leslie	Skrzypczak
Veronica	Santana
Daniel	Kvistad
Jenna	Whitney
Erin	Truitt
Lloyd	Edwards
Eric	Andrews
Elias	Bennett
John	Quach
C	Byers
Frans Anton	Koolen
Michael	Manning
Nicole	Filusch
David	Bridge
Dmitry	Ustinov
Emily	Concannon
Karen	Witherell
Shana	Gozansky
Christopher	Deng
Shuo	Cheng
Bridget	Werge
Luka	Govedič
Jason	MacKay
Sherry	Madden
Trevor	Taylor
Evan	Althouse
Ramy	Abdel-Azim
Nelson	Reyes

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 -Sen3reno5tlci-tL
 s2l1kt-r2inna-f
 Slh-omy59t-tuP
 en-s5c4tertC.S
 i-1SW8l-tow14
 adca-4RK-Myo
 arsteg-et2-trn
 Re-d1t-Hrerb
 n-mNrv8auyed5o-eAn
 S3eo-s1cttpP2-r
 gCiddeavaikrbrpme-r
 u-Rat4Rede8-l-9-PApvre
 r3-e1dmn-uSR
 ntTpSaa-p46
 rmaotteSr-cn3atSee
 -56bigC-0d5a2m-npakre-t1UirDr
 mD2-ti-S2cik-
 tr-Sa8an-yMd
 dra-tMa8nS-y
 s4n1e-6cu-s0hA3a-tta11svtsUie-M
 tesc-s2vaMtsuh-s1aa5e
 oc-2SGt-0oh

 rAat-3wC-2tfSd-orp
 U8iHi9t8-3yt-eU-nrn-at-Sevtre
 eS4s7e-tr-Ft
 tette-aC1r26Shes-r
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 Melrose

 Cambridge
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 Oxford
 Cambridge
 Tewksbury
 Cambridge
 Somerville
 Arlington
 Arlington
 New Bedford

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Megan	Iglehart	9-agd6S tR-adeeoRtni	Ashburnham
Sara	Stillings	Mas-9e9acvsssA-ehutt5	Arlington
Michael	Albert	inIHdeaAh-v2g-09	Winchester
Becca	Solomont	trho8-raMtSe6etna	Arlington
Sean	McGrath	6-iaDrpbadrgr01eCmk	Cambridge
Brendan	Gerety	-9,A-42trptcSRteei-e	Cambridge
Tyler	Prendergast	tl-C0i2avnS	Somerville
Andrew	Wilson	-Btelo1nRrln0-dea	Somerville
Nicholas	Ryan	5cdA#v3eh-aa0-1-i1Rl7.	Cambridge
Mark	Mahoney	-Rl36Mldi	Longmeadow
Joseph	Amaral	e8ustaWe-r3hots	Somerville
Jennifer	Homan		
Aaron	Levine	2CotSietem3-lrbu-3a	Cambridge
Abigail	Ruby	Redix7Mdld-se	Sharon
Dr. Timothy J.	LaVallee	d1-S-d0Af9-Metor	Arlington
Joey	Kramer	-ra-t9de5CS	Somerville
marisa	frank	SoctS-6hl1-o8	Somervikle
Bee	LaPlaca	e-l1-SSamt	Wakefield
Nick	Remillard	ptd-3-Rhdl-1-eSrtu4Aan	Boston
Justin	Giaquinto	sltarh-Masl	Somerville
Ryan	Pimentel	-n278aeDt-seN	New Bedford
Ed	Apuy		Rutland
Ryan	Franklin	H-Ri1lls4-o0deadi	Watertown
Joe	DeCristoforo	-S7l7F5tto-nu	Medford
Kevin	McConnell	ec0S2tor-hGoe-t	Melrose
Fabian	Pineda	s-9-oenvraAP8e	Somerville
Michael	Letterio	0-t-o5gSsRre	Cambridge
Eleanor	Levy	0m2d2-st-s1aa	dorchester
Matt	Pias		
Max	Rosen	sathM2ses-stvcau3A6e	Cambridge
Matt	Gannon		
Justin	Jackson	yr3awo5d-9aB	Cambridge
Jeffrey	Chen	os6n-61vo-tAeB	Medford
jason	glidden	e-ntMWi3ats1S0	Millbury
Jacob	Elder	23oo9-etsnBAv	Medford
Sarah	Happel	-Stra-6e96vp1y-tAH	Cambridge
Ana	Dodik	dbDm1prkae-r-Cg0ra6i	Cambridge
Sarah	Wasserman	v-3eHeAum4	Medford
Dillon	Carlos	Rdeavcl-iAhe	Cambridge
Aaron	Chio	horu-doroaM21b-lgaR	Waltham
Michael	Fournier	ilaee8iCgCc-rri	Cambridge
Avnish	Sachar	0elvR1dri2	Watertown
Elizabeth	Sachar	id-r2lO1Re-v	Watertown

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Avnish	S	Birstl-4t-os9	Cambridge
Caroline	Favrod-Coune	9lrsSi-tt-4oB	Cambridge
Amber	Blinn		Belchertown
Michael	Coolen	A5mSs1a-t-d	Arlington
Sari	Ladin-Sienne		
Jacalyn	Newman-Beck		
Jacalyn	Newman	n-F5e65lStu-t	Medford
Anne	Hoffman	e-o1n-wi6tdLS	Arlington
Anne	Grady	ru6aD-nL-ery	Natick
Andrea	DePaola	-93rTlaDr-ye	Reading
Ryan	Dennis	e-eStrtFs	Cambridge
Vincent	Mase	ons4t-1-Msva	Medf on
Susannah	Borysthen-Tkacz	nrb4-ao-er-S6tD	Medford
Max	Myers	7	Larchmont
Daun	Anderson	la-k.he5evAi-IL	Arlington
Morgan	Kindness	teAtro-t5See-trnh7	Somerville
Priscilla	Miller		Concord
Aidan	Duncan		Cambridge
Julia	McCoy	-eti-ttWriS15h	Cambridge
Peter	Septoff	t-a8c-SknH8co	CAMBRIDGE
Corey	Hipps	Aa-gE36-devr	Somerville
Vic	Wollam	ne-Bat-nLI1ckor5hea	Norwell
Thomas	Galow	t9eageCo-Avt	Arlington
Vivian	Klein	rs-aeatWny4-GGesd-r	Cambridge
Joanne	Macfadgen		
Mann	Shoffner	e-mrver7e-aAssG-	Winchester
Bill	Gunning	c2-HtaRhd8	Medford
Samantha	Wolfe	oa3B-1ywadr6	Arlington
Anders	Sater	B-uAwHv-o0o-d-esdpertl2P01	Somerville
Lawrence	Lessig	20-rSytoAm	Brookline
Andy	Tu	3-ye#-rao-t1-bta#43a12ds	CAMBRIDGE
John	Tierney		
Cyrus	Baumgaertel	Ae-7esr44e-tvuenWn	Gloucester
Thomas	Crimer	chui9-Ht2dsnR	Medford
Cara	Rodriguez	agn-3h2i-#elvAH35d	Somerville
Theresa	Baxter	tAEee-ri8vc6le	Somerville
Thomas	Molloy	-dB-drda7fRor3	Braintree
Patricia	Gallegos	2Vet-1lre-Slteya	Everett
Nicole Rueda	Watts	N3ATTR-4S-LCOH	Everett
Janet	Collins	-m-roSt271eeJ	Medford
Sheila	Jefferson	-alaeQ3tk-S7d	Brockton
Michael	Blatus	-7aV-itve1sA	Medford
Laura	Black	yIPwtYirskeaaaV-lc-My	Medford

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Melitta	King	IGtre9-ae-iSntm1	Somerville
Tom	Paugh	3Seg6ic-RpLrinn	Wayland
Francisco	Rodriguez	TN3S5AAL7C	Somerville
Margaret	Di Russo	k-iwAekfelyoe335pr-b	Somerville
Yaritza	M		
David	Ernest	87nM-vtr-oAeo	Medford
David	Blacquier	vA6e9logC-eel	Medford
Nancy	Wood	hote81-tSAnr-t	Somerville
Sarah	Holland	es-M2uAt0atheasc-ssv	Medford
Choya	Amenkhienan		Somerville
Guy	Bresler		Cambridge
Russ	Bartash	2V-EOA1ATEC-GT	ARLINGTON
Seth	Kaufman	-e-rnh4iotT6dSk	Arlington
Caleb	Scoville	1#-tNh-9rt-eeotrS5	Somerville
Nina	Scoville	9t-NS5tho-r	Somerville
James	Boyd	orn1Ss7ebei-ntRet	Somerville
Johanna	Meyer	B-8S4-two	Arlington
Elena	Zaganjori		
Schnebly	Keith	btcdwr-o7We-8e	Arlington
Ryan	Katofsky	rS5mtm-4-uS3e	Arlington
Beverly	Cadorette	o5aPR-m1n-dtua	Arlington
Jeanne	Justice	krrieibCrvdP0gea3m-a1-d	Cambridge
Jeanne	Garrison	mnT7rStet-t-oor1e	Cambridge
Iris	Hazelton	0lai-Hrl5-kDQ	Arlington
Ukumbwa	Sauti	twnee1d-toi-Sr6oL	Arlington
Alexander	Garcia-Rivera	-rhNo2S-1tt	Medford
George	Hooper	9-4Snt-Aov	Somerville
Hank	Peirce	-K2DSCRAOJN	Medford
David	Benway	yspltA4-l41Pcty1iV-w-yk-eMa	Arlington
Dillon	Compton	ve-nS-atu2se2	Medford
Jonathan	King	ERG5TBD-ROT-SW4I	Cambridge
Jeffrey	Battles	leednrCt75viSea-te	Arlington
John	Brien	-So1d.Bat1r	Groveland
Steven	Clancy	-3PL-YELRBKEE	Cambridge
Margaret	Noble	otnriec-l1es-t14ht	Cambridge
Erica	Jackson	-snl4tA6Solt	Medford
John	Casey		
Jason	McLeod	t-s2lr3etcreka	Medfors
Sheila	Tripathy	3um-D2othar-ttS	Arlington
Jennifer	Feller	0p-p4AeSn2tite	Cambridge
Nick	Cronin	1lieblmnkla-a	Cambridge
Elena	Capuzzo	-trei-tt3ro2t0-elp,sSBA	Cambridge

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Zachary	Forrest	4heSeat 8 Crtserl	Arlington
Mark	Rosenthal	lnuaWt	Arlington
Monique	Chaplin		
Steve	Serra	t2-erSst-oF2	Arlington
Adam	Adkison	AA ,Ae 2vipe5 So79r emltvl	Somerville
claudia	crocetashman	-arri 51gesrtmnate	arlington
Sarah	Putnam	Srnt23 Bkoo lei0	Cambridge
Cheetiri	Smith	j-a1s-yt1	Somerville
elaine	lewis		Somerville
Elissa	Huber-Anderson	ng-leRdL-ay19	Arlington
Valerie	White	-sMgs5-6Aeaaa1vop	Sharon
James	Zamer		
Andras	Kiss	S0ei-hAv2p	Medford
Brandon	Klevence	etttr2So3t3U-er-eP	Somerville
Jason	Garland	p0-r2-naB5ceS-t2o-tA	Somerville
Patricia	Caldwell	1t-1infot-CSI	Cambridge
Oliver	Ho	ue8BvetAte-7an-ayS	Somerville
Elena	Haro		
Brian	Martins	eAi-gtda-rvr5eP3	Somerville
Kaitlyn	Stewart	ulr5eeeeecrl-TBva	Medford
Angela	Poiré	a2-Lne2o-dtSr	Somerville
Jay	Sturm	Rgreo2e-As-3v	Somerville
Allyson	Moawed		Arlington
Ali	Ukani	a-e-Sakl3Pd5tr	Someville
Leonie	Cohen	wo2nevs2ilWA	SOMERVILLE
Michael	Tracy	-yrSt2e7-Co	Medford
Kristen	Gworek	eyt7-2rec-s	Medford
Rena	Yang	tFtir-3x7ereaSfa	Somerville
Stephanie	Hint	kC-dpaaedimrrbrg	Cambridge
Talon	H	SCsetret-h	Somerville
Allyson	McIntosh	ertuSoWsa7e5h-t	Somerville
Emily	Nguyen		Malden
Chris	Autera	soi4-reM8v-nrAo	Somerville
Stephen	Costigan	rSBe-e-8TeLe3tPAt	Cambridge
Kevin	Whalen	innsaea-ntL	Cambridge
Vicki	Paret	gMronytem-otreSet	Cambridge
Stella	Jordan		Somerville
Ian	Darling	-adhgn2eA-l38v1#iH	Somerville
Ryan	O'Hara	-hWiSt3am4n-t	Somerville
Alaina	Patzer	tortrRneSe-n7MV-et8	Somerville
Maddie	Meister	rt-oHeSwte2-e7	Somerville
Noka	Agnew	thtaa-S4eu-s-re2-N##48	Somerville
Molly	McGuinness	WROY06BA9DA	Somerville

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Robert	Brennan	-Ceu 2naydA1ev	Somerville
Jaimie	M	ierGanovrsA	Somerville
Calvin	Wu	eAeve4n-uAdnn2il	SOMERVILLE
Benjamin	Burns	5a0arw9-dyb	Arlington
Julia	Rand		Somerville
Victoria	Savona	-o2RB rrd1meeA	Medford
Theresa	Donohoe	1tbb1-p 3Ro-ti9-S-snA	Waltham
Chris Aileen	Ditunno	d-s7RdH leiol2laa	Medford
Dmitry	Vasilyev	t-lCeeS1rdaenltev8	Arlington
Emma	Pruitt	e-Sn7ttw1a1S-n	Winchester
Dvora	Toren	C5-5tl-ayS	cambridge
James	Ospenson	ttne000i-nt &lBA-snvA-rsg	Medford
Candace	Esslinger	-5ACMw-Un80,CT0No-tRS7H-e2H-42	Newton
Lori	Bradley	teC7Seg6ta6to-rt-e	New Bedford
Rebecca	Lane	7nfr7-G-tStoa	Arlington
Elana	Friedland	ontSG2r-d04	Somerville
William	Hesse		Arlington
Kent	Owen	m-t-esc5s3aa5st2aevhsu	Cambridge
Kyle	Flores	A3e-h2ev-sWit	Watertown
Haleh	Fotowat		Watertown
Gordon	Allen	el3e-gpo-a75witB-vA	Watertown
Amber	Fisher	wG-o-s0rli4dSt	Cambridge
Gary	VonColln	ilnot-f9-2tcs	Cambridge
Lora	Dunn-Hardy	e9B4wa-yard	Arlington
Zach	Armet	t2-t-l1ioMn.S	Somerville
Zachary	Stephenson	25	
Liza	Knight	arhnttn-etsWgisoe	Somerville
Alexis	Beckwith	-nglaA-deviH13h6	Somerville
Kai	Preminger	1t6-uCa-eivsr	Somerville
Lynette	Roth		
Isabelle	Rule-Becker	r2dAo-e8d-Ranbee	Somerville
Jeff	Goldenson	t-mnl-9aSn3	Cambridge
Daniela	Di Bella	G-2-atdn9reS	Cambridge
Vanessa J	Ruget	pneletpA	Cambridge
Jen	Craft	hHr3ytP-llw0-00	Cambridge
Rebel	Todhunter	mt-e-T35tSern	Cambridge
Stiv	Mucollari	tSme-nr3T50t	Cambridge
Magenta	Jasinski	noC37e-eaAv-mr	Somerville
Ciana	Winston	r7hSR-dt1a-eudn2l	Brighton
Miriam	Adams	tW-nosnh7ia1S-0gt	Cambridge
Nancy	Young	1STrtttoeme2-r/8e1n	Cambridge
Alyson	Lie	5F2ir-ln3a-nktS	Cambridge
Melanie	Wasserman	t7s-pdon4	Belmont

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Jacqueline	Jenkins	Sotawt pr1tee hwc0	Cambridge
Erin	Stalberg	R tidnu 221egni3v e4A	Cambridge
Josh	Sheldon	8 efte tSnt9Clrio	Cambridge
Reznik	Samuel	7gihtW r St	Cambridge
Melissa	Chaney	6S.el Lto3wl	Arlington
Joel	DeMelo	vu4meao1nnwheA 4Ceo4 mtI	Brighton
Amy	Roschelle	v1 aeo tgAct1e	Somerville
Rachel	Woodruff	in6nv#t16g oAexe L	Somerville
Eli	Daniel	LXANIN TV6GO6E	Somerville
Heather	DiGiovanni	IHiR 15d I	Belmont
Melanie	Konstandakis	honn S9a5 Wtgsti	Woburn
Elizabeth	Kennedy	Pe2n ammhld	Medford
Jerry	Kaplan	t1giSKn2 otns	Somerville
Matthew	Figley	Al iavLek2el3h	Arlington
Maryam	Masood	eu02cdtrin cpk3noo r	Cambridge
Tara	Greco	Lnnecai0 r3eSta nt	Cambridgr
Ranu	Boppana	3Sbte # yurN9w 2	Somerville
Nick	Leonardos	doR4o g Mtainna	Cambridge
Joseph	Mazzola		
Caitlin	Doolittle	Deba3Cpk0rrarmidg	Cambridge
Alana	Brisette	11 enrNnti SerUtoth1o	Arlington
Brian	McKinnon	1Geo8veerS1rtt	Cambridge
Chandreyee	Das	Ydae53R x r	Arlington
Emma	Imamovic	5mmt t5eee 1ssrru	Somerville
Michael	Brennan	E vt5tre et8S	Arlington
Kent	Lydecker	aetrg Pao22k taC	
Mahdiat	Sihat	e nrmtl1eaG tiS90	Somerville
Elizabeth	Hammond		Somerville
Marilyn	Donahe	motr 1aNOsn	Cambridge
Amy	Osborne	kHre e6vooA3	Somerville
Gisele	Murphy	dag4it Sm#C 2be73r1	CAMBRIDGE
Krista	Snell	t s rietlgs06n	Somerville
Richard	Pattinson	l tsg t06sneri	Somerville
Ilana	Brownstein	k s9ooBA6vr e	Arlington
John	Ramsay	DWirsheenitcrv e	Lexington
Pearl	Tulay	el t0B6mton1S	Somerville
Jack	Hembrough	-RER WGT4 BOUN7TDHS 3T	CAMBRIDGE
Karen	Morris	fo4r1xSt d1 O	Cambridge
Sarah	Jansen	1 5netKS t	Somerville
Karen Bell	Thomas	2etStalAr r2eei	Arlington
Jennifer	Campbell	oW2l lwt1Ci	Arlington
Iku	Oseki	2rm e7Sm 3tetSuer	Somerville
Barbara	Popolow	-Be4oksoArv17	Arlington

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Linus	Brier	RIR7F AYDW A5	GROTON
Kana	Norton	P48 Dr 4rka	Boston
Laurie	Bogdan	hrt rml2ud sE2	Arlington
Carole	Mason	Wnarre mTy	Arlington
Christine	Guelpa	ISlu 9 rtT	Somerville
Pam	Wolfson	ewbr 7teeS t6mNe	Arlington
Marco	Athie	5 7 1rvesBokAe	Arlington
Denise	Curley	Q3fxot 1 B4csef iPo7	Arlington
Katherine	Laguzza	nat 3t9s SGo	Medford
Annmarie	Flynn	-3S Wnl1da4te	Cambridge
Charles	Robinson		
Gary	Von Colln	Sn tCo9f 2ilt	Cambridge
Stephanie	Houten	eR9A 6rgo esv	Somerville
Christina	Lambertson	-arttM9 nho4Sa	Arlington
Laura	Bagnall	6tlrSoesM6 e	Arlington
bartholomew	singer	-re8W1a	Somerville
Sue	Downing	ti m1ntSereFra3t o	Cambridge
Emily	Soice	8a 1Rdmtao Enas	Somerville
Ryan	Daulton	8a aR amonEtd1s	Somerville
Melissa	Merkel	Arte r eGne1e3tSe	Somerville
Sesha	Pratap	-rckaWawri1k P	Cambridge
Susan	Merriam	wSF0t8 tt eca	Cambridge
Jackson	Pearce	eRw1krd e 9iB	Medford
Ksenia	Samokhvalova	Srtv5 lnig7	Somerville
Scott	Smith	a35et SWndI2	Cambridge
Khalid	Iqbal		Cambridge
Derek	Paxson	se vlCaldnet	Arlington
Mary	Regan	M anton oSc6kd	Dorchester
Lauren	Justice	ssspe1 6Cyr	Somerville
Mary	Shillue-Goldberg	ftSn8i lt oC	Cambridge
Brock	Adler		Medford
Bonnie	Steyer		Medford
Evan	Kuras		Somerville
Jona	Lee		Malden
Keegan	Lee		Reading
Soni	Lee		Reading
Joyce	Memon		Arlington
Maria	Sakson		Shrewsbury
Jordan	Green		Arlington
Olivia	Cronin-Golomb		Somerville
Jake	Agnew		Brewster
Nadine	Saleh		Boston
Jazmine	Numan		Arlington

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Jordan
Jeff
Ashley
Regina
Ashley
Renata
Lucas
Amanda
Marlena
Ellen
Amy
Kathryn
Ben
Jim
Melissa
Leo
Ethan
Milton
Monica
Kajal
Charles
Jon
Michael
Molly
Chelsea
sue
Barbara
Beate
Andrew
Jane
Samantha
Leah
Kathleen
John
Cindy
Pamela
Manisha
Beria
Nicholas
Robert
Max
Jesse
Lucilla

Clark
Ousborne
Aldouri
Lyons
Smith
Fernstein
Brown
Marcus
Erdos
Chisa
Dyer
Blair
Ewen-Campen
Campen
Greene
Quintiliano
Moore
Joel
Hileman
Patil
Teague
Levine
Rainey
Duffy
Loy
walsh
Brandt
Mannstadt
Pacheco
Keleher
Glaser
Cirker-Stark
roper
Grant
Campbell
Oldham
Sharma
S
Page
Lauer
Rome
Nicole
Haskovec

e7-15ea1tvh-2

de-mhead

1-e9ptSA-te-tp-t-r6Do1Av.-r

7rlon-Mer-cii-ae

mvrna5ut-s2

do-oAdr5Rnl6-a

4Wilitatp-S-mA-15

3d-atSre-C3

-Saevad-0er2gr

-ev31-ySHar7t

1-lletSeavC2-nd

d-e5Ap-ntRlpe

lSr21lutT

Somerville
Medford
Medford
Watertown
Boston
Medford
Cambridge
Medford
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Arlington
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Quincy
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Somerville
Medford
Cambridge
Newton
Arlington
Knoxville
Brookline
boston
Somerville
Arlington
Arlington
North Attleboro
Medford
Somerville
Cambridge
Cambridge
Arlington
Cambridge
Arlington
Somerville
Bedford
Somerville
Boston
Somerville
Somerville

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Carla
Maury
Aliya
Haley
Sarah
Rand
Madeline
Thomas
Dillon
Kayla
Kimber
Frederick
James
Mallory
Mason
Maria
Paul
Kate
Eric
Michael
Marcel
Priya
Tom
Cynthia
Melinda
Lee
Lidija
Arlene
Sonia
Audrey
Sarah
Alma
Todd
Sophie
Kaleigh
Rasha
Audrey
Katie
Philip
Rachel
Stephen
Julie
Dennis

Palmer
Martin
Greenberg
Taylor
Quinn
Wilson
McGhee
Swayne
Lee
Howland
Green
Shaffer
Brice
Kender
Benam
Shik
Delmonico
OBrien
Girardi
Chapman
Belaval
Gandhi
Allor
Woods
Friedman
Pribyl
Milojevic
Olivero
Wang
Huston
Menard
Pietri
Kaplan
Wilson
Sislen
Khoury
Bellinger
Stenhouse
Tellis
Ramirez
Williams
Beaulieu
Moore

Acton
Somerville
Cambridge
Somerville
Boston
Somerville
Brooklyn
Somerville
Reading
Stratford
Arlington
Reading
Brookline
Somerville
Bedford
Somerville
Somerville
Somerville

Medford
Somerville
Arlington
Somerville
Arlington,
ARLINGTON
Belmont
Cambridge
Somerville
Somerville
SOMERVILLE
Medford
Somerville
Boston
Jamaica Plain
Jamaica Plain
Somerville
Somerville
Cambridge
Quincy
Chelsea
Boston
Somerville

M-tsu-a5cshsAtev1e1as
r-on3ve2aroi-s4A-G-n
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-3IRTSNAFMOT-3
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se-tW5tS9

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Galina
Jennifer
Jonathan
Zachary
Alison
James
Jason
Hana
Ian
Rahul
Laura
Shawn
Ken
Amanda
David
Kristin
Marie
Deborah
Silvia
Ilana
Gonzalo
Cecilia
James
Sally
Christian
Kathleen
Mary
Ruth
Jessica
Elaine
Alex
Susan
Emily
Patricia
Colin
Caitlin
Amanda
Greta
Yasra
Jacob
Jody
jesse
Deborah

Koh
Ahn
Crowe
Yaro
Ball
Thomas
Lachapelle
Na
Briggs
Dave
Woolpert
Morrissy
Carlson
Trombley
Sloane
Eifler
Blake
Peterson
Dominguez
Yakubovich
Bacigalupe
Haigh
Atkins
Levinson
Grund
Sohn
Kunjappu
Goodman
BRYANT
Devino
Feingold
Morley
Ware
Goodwin
Whooten
O'Donnell
Genovese
steege
Marian
Gottlieb
Renouf
winder
Lewis

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lna9p1-dR-2doUa
aigml5b-idel-tav9CrSS
14rWr-dkePaen-rime

Boston
Cambridge
York
Somerville
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Somerville

Medford
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Arlington
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Wayland
Arlington
Westford
Somerville
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Cambridge
Arlington
Cambridge
Cambridge
Sonerville
Somerville
Brookline
Arlington
Somerville
Somerville
Cambridge
Somerville
Medford
Somerville
Somerville
Cambridge
Cambridge
Arlington

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David
Sarah
Sarah
Sean
Jo
Nick
Danielle
Alix
Nicole
monica
Renalda
Aleksandra
Jarasa
Brian
Mary
Anker
Matthew
Sascha
Michael H.
Tim
Gabriella
Autumn
Brian
Dora
Jordyn
Nick
James
Brian
Gordon
Dan
Jillian
Elizabeth
Jennifer
Jay
Jessie
Alan
Lauren
Johnny
Jayme
Bernadette
Twiggy
Ann
Doria

Aronow
Morgenston
Souza
Allen
Moroney
Barnes
Fiore
Gordon
Peiris
raymond
Chambers
Milojevic
Kanok
Kleckner
Lerret
Lerret
Davis
Lamstein
Lewis
Russell
DeAngelis
Thibado
Schick
Stodolsky
Sickle
Couldry
Bertram
Lamoreau
Sheffield
Chadwick
Doherty
Broadwater
Lauchlan
Venti
Standafer
Jacks
Brumfield
Rodrigues Jr
Shorin
Milliken
Tipton
Abbott
Hughes

e-rnl9ek5eib

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Lpn-S6P-o1dyn

51

oF5S-stt6re

rday-2o06waB

u16wioo050B-ad10yt-aSrd

ttrMS-etote-6

6ae-nPe7rv-eas

eerRe-dSet7t

up2sht2aMa-c-2a9GeAeesuvnsst-1t

,ea-Me7rv-Ai-1#-2

g-2Sp-n3Eipt

Sto1i3-nk0Tdh-re

tie-r13-oWgnneetStl1

r-S4ge-eR3tnetet

Wellfleet
Arlington
Somerville
Cambridge
Somerville
Belmont
Somerville
Medford
Somerville
cambridge

Belmont
Somerville
Medford
Cambridge
Cambridge
Newburyport
Lexington
Cambridge
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Somerville
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Cambridge
Cambridge
Medford
Cambridge
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Salem
Boston
Arlington

Arlington
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Arlington
Cambridge

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Linda	Rodi	CIOSN-3LT-LN7	Belmont
Lauree	Shampine	-oHdni04kpRs	Arlington
Augustus	Shuster	ln-e-02S5Wdat	Cambridge
Amaris	Brown	-h6r5eyva	Cambridge
Amy	Agigian	-hodC3Rnotniia3r-a	Somerville
Julianne	Tefft	-eWt-2vrs2neA9e	Cambridge
Nellise	Rosado Carrion	gaW9sitr-9-ntSoh	Melrose
Erica	George	tctMsaaptu-eh2Ass-11s-veA323	Arlington
Michelle	Pizzillo	rlt5elt5-t1sSoeAn	Medford
Marie	Raymond	t-e-ctiaSe9trkPr	Arlington
Natalie	Andrews	TR3N5-O-TNEHRUTIESNO	Arlington
Catherine	Roche	enrHnrSe3e-te-dset	Somerville
Marina	Wagner	Sleet-traen6-Crt	Arlington
Joey	Nicoletti	nh-wvlo-teoa144ac4mme	Brighton
Thais	Pinheiro	pni6m1Sov-es-A	Somerville
Stacy	Abder	Ao2rnrMsv2o3e-i	Somerville
Irena	Manukian	aeenS18trrut-mV	Arlington
Katrina	Piehler	2wrBdayo1-a64	Somerville
Rachel	Rosenberg	r-iaylud-1Mlr-5-HR	Cambridge
Zach	Meyer	y-r-d1ia-u-RllrM5H	Cambridge
Ember	Klein-Coletti	ang6e-9AdvHi2l-h	Somerville
Kezia	Simister	IT-e-2r4Seteet	Arlington
Miles	Petrie	R-oAp-kraeo-rBy5oT3tnnw	Somerville
Alexandra	Schoen	wk3TyRanrrBo-ee-on	Somerville
Emily	Scaife	5-hn5s-usa1tMeassteuvc8eA	Cambridge
Bernard	Boehm	Waaryc-eeTnm	Arlington
Carla	Valentine		
Greg	Wyles	t4ado-n-miH6RI	Somerville
Julie	Dunn	M5eteu0-sav7s-69Atcshs5a#	Arlington
Beth	Kass	5ilve-lal1n-g	ARLINGTON
Maeve	Donnelly	-HRIadil2-led2s	Arlington
Claire	Galand	9GNTEDR-EOR9	ARLINGTON
Kate	Wheeler	oay2-i7-wreprzP	Somerville
Stephen	Chau	da1dnR6U-ol-ap	Cambridge
Nicholas	Wilton	1g-AeHv2inel-adnhti-1uHUn	Somerville
Elaine	Almquist	nPa-l-i5aS-tu3	Somerville
Tim	Esworthy	yeCr-eh-tr8retS	Somerville
Kathryn	Kinder	A7vtt-4aBea-y-eS	Somerville
Carol	Luddecke	PAk-a12-5evr	Arlington
Jennifer	Cutraro	Rdo1fateoc-rt-5wSe	Arlington
Dakota	Tyson	d9K-dei-erAv	SOMERVILLE
Sam	Polk	wdi-Kh4Rn-etlro	Arlington
Hannah	Cascio	C-9Sdaetr-5	Cambridge

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Alexander	Carpenter	r2daB6a2-1woy	Somerville
Tyler	Karlen	y-owa22Bdr16a	Somerville
Eric	Frier	te4nSacket-r 4Sh	Somerville
Spencer	Mott	rmsm0s-5eut	Somerville
Maximillian	May	-rAt2oMen2ov	Medford
Kati	Paye	y-idaBeRl	Somerville
Daniel	Haehn	4Aievo1-n-asMd	Cambridge
Joshua	Reynolds	2-.S3t-r l3ulT	Somerville
Jeffrey	Chagnon	-eel iPkRB7yf2A5ko-oww	Somerville
Pamela	Blittersdorf	ctvd-tAn-oEe57i	Somerville
Laura	Thomas	1nvRe-oAa-myd6	Somerville
Greg	Wolfe	-terB8p-4etA1et,-0wS	Medford
Laura	Ghisolfi		Somerville
John	Graziotto	te9-s0Wt1aS-.smdA	Somerville
Adam	Luban	a1oS1yRm-tn6d	Cambridge
Mohan	Hathi	ed#-Sw-to1n-i2B1	Cambridge
Elizabeth	Bisio	eaettr2e2-r-tWS	Cambridge
Krista	Harder	e1n-o-2ttAuentni-iCe,cU1v	Somerville
CHARLES	BURKE	a-h5SRed4	Cambridge
Clare	Garman	5cRanl.-a7d-Bdrh	CAMBRIDGE
Hannah	Goodwin	f-9ttlniS4oC	Cambridge
Elizabeth	Thomason	rm5e-dDAag-i7-5r0ab-prt16pkG	Cambridge
Olivia	Doyon	ida7R7oyK-tlsh	Brighton
Melinda	Mesmer	AhetucAs0se0tvMs-9saa	Arlington
Jack	Delisle		
Dylan	Provost	efeld4r1-a2	Montague
Therese	Henderson	t9nt-m6Serrto-eFe	Arlington
Kai	Herbst	s-t28ttnas-io	Quincy
Carol	Harrington	-ast.7-eSJ1n	Arlington
Jacqueline	Shepherd	e1n-a-obsre3rod	Arlington
Brittany	Kamson	rrdbka-p-8g-vam,40Aei0e-iDtrCp3	CAMBRIDGE
Nate	Mendes	Vamrun	Arlington
David	Husselbee	r-dfo-6OtS1x	Winchester
Caitlin	Malone	-ee3-neA7WvrtS	Bath
Rob	Russell		
Evelyn	Roberts	trao-Sn3S17-h	Medford
Carl	McPherson	ie-vorno-18sraM5	Somerville
Connor	Kenneally	r-T#1aacen-o-Aer8rzi5	Arlington
Alyssa	Mercado	wkyreBf2lo-ePiA3ko-w	Cambridge
Leah	McCarty Fiedler	txDA4-eee-r4v	Watertown
Casey	Brentnall	ov-noe6Ccd0rA-3	Cambridge
Amisha	Oza	i-nnoPReerd6t6	Arlington
Nicholas	Klein	-lAttS1p8one3-p	Arlington

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Sean	Griffin	0yb1-l4akr-oCdoRao	Dover
Kirsty	Bennett	P9ad-4eonL-n	Arlington
Aiden	Gerstmyer	A-S1lut1-ppitn.er6	Brookline
Andy	Gao	r30e-e-rtetoSDv	Cambridge
Jonathan	Burgess	-oBtetd11nweorS8-i	Medford
John	Mendieta	eets-ot-sdnrr2iW1	Arlington
JEFFREY	DANGELO	38i-redR-o-ttnFP	North Weymouth
Jill	Brien	a1SB-to1-rd	Groveland
Daniel	Place	5laW6o-dd-R	Arlington
Jamie	deRosas	6-.1Pa4Sletr	Somerville
Christine	Morris		Medford
Stephen	Morris		Medford
Jay	Chou	avsctauH-stseAesM	Arlington
Chris	Panzica	8on5crd-Aecv3-o	Cambridge
Margaret	Keiley	ece3tBaSo-nr3te	Somerville
James	Ward		
Janis	Puibello	-nkSeli6Bo9ort	Cambridge
Rowan	Vail	0S-.er-e11slMot	Arlington
Elaine	Devino	dsuHlBdwropeo-ev	Somerville
Bree	Curtis	ssvteh2aus5e1AcMs-ta	Arlington
Jenna	Groh	-ne62rrGttSeodo	Somerville
Brenda	Conaway	wøB	Arlington
Brenda	Hugot	01v-no7p0-AAu-e3-MHtr	Cambridge
Lori	Cote	3St1T?ula6nW	Somerville
Cal	Liao	de-p-mavdak0rrig5riceb	Cambridge
Maureen	Urban	eeS10Stt-r-6ik	Arlington
Suzanne	Chiarito	siota1dhyeR-K-l4	Arlington
Zenas	Lu	rpdp3onl-usaCo-rr-oR0Ba	Cambridge
Marci	Shapiro Ide	ereStL2-a51-etk	Arlington
Ivy	Xu	-dRoCodigae3l4-o	Belmont
Zhenyu	Tian	u-iH6aeA0,t-rntuH-n-l1ni3gg3oHlv2t	Boston
Jessica	Strzempko	l3-doleau6R-Rss	Somerville
Eric	Mooney	7a-t-taLyStee2f	Arlington
Jean-Baptiste	Brun	notnrteitsgel7-xe	Boston
Matthew	Jones	uAea8c2tenh-5sssvesaMt-u	Arlington
Elizabeth	Herbst	eBo7S1t-wetr	Somerville
Elise	Thomson	givnr	Somerville
James	Cornie	dRpdnla-U	Cambridge
Rachael	Shurberg	rOetevlit-erS	Somerville
James	LaVigne	3tpnSAi1-ci13n-0Ut-l	Somerville
Carolyn	Berk	SrAtsre-edyttee2-1l	Somerville
Devin	Matte	ttbr-SR-11søe	Somerville
Justin	Giaquinto	lra-hasstlM	Somerville

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Environmental Health is Community Health

Chris	Bierwirth	et 2 LShtngei	Cambridge
Vanessa	Dutra	ee-as1gnrtt r4t	Lexington
Katja	Jacobs	M t toHp1o5R Ad5d	Boston
Cara	Foster Karim	eAT lv9e2ee	Somerville
Aaron	Weber	eLer2ka6e tS t	Arlington
Joseph	LaCorte	C eeA6vuollgnee	Medford
Andrew	Horowitz	6Bomlt0St e n11	Watertown
Taylor	Luckenbill	oCw9R3rh ad oDn	Somerville
Kyle	Conroy	oSgr 2 7Ltni	Somerville
Miah	Ebels-Duggan		Cambridge
Diana	Tatz	dertC0at lSehne3r	Somerville
Jae Jin	Lee	Cg0dbapirr kimae rveD3	Cambridge
Brandon	Lodi	edP8Ar acrv 2ih	Somerville
Maddy	Coyle	StTtsu f	Arlington
Paul	Rolston	Sr8 7ltaR edt	Belmont
Liane	Weber	# L 1ke2aS 6t	Arlington
Max	Ide		
Heather	Donahue	-SierlBoret1 konet3o	Watertown
Justin	Reimertz	Pe2k wl eiwrABey9 7fek	Somerville
Timothy	Bartolini	1loavn i eocal8	Newtonville
Elaine	Shapiro	p4alo aUdRdn	Framingham
Jamie	Wood	ey2 redneP 2a4ov1iW	Joliet
Julie	Amov	nMtdReo 9y5om	Arlington
Robin	Doughty	71Mer t0 Seatry	Arlington
Matthew	McKinnon	toiLjrh9 et nSt	Arlington
Shona	Gibson	aeS 7r ytM0r1t	Arlington
Jenn	Lewis-Forbed	a tSM7y1r	Arlington
Nicholas	Ide		Arlington
Sarah	Harris	rMa Steyr8e3 t	Arlington
Florence	Murphy	MtSe3ert a 8yr	Arlington
Judith	Yurewicz		
Fenny	Lin	-4Strye7tMrea	Arlington
Mark	Asdoorian	t r7a4r eteyMS	Arlington
Lillian	Cravotta Crouch	t 103rrsMay	
Karen	Hartford	ae 38Bty sdtaR	Arlington
Cathy	Ball	oeue 3n nroMe1t6ttVrSn	Arlington
Tom	Mackenty	-tnol etjist4hl	Arlington
Jonathan	Donahue	yl edtS91uDe	Arlington
David	Tupper	5S 2W8 tMnia	Catskill
Carrie	McKinnon	Sn ittho9t Llej	Arlington
Ruby	Ide		Arlington
Gene	Shapiro	pal n4dU oRad	Framingham
Lauren	Moschella	tS e k14aL6	Arlington

Save the Alewife Brook

Environmental Health is Community Health

w	s		
Nancy	Aronson	c-A8tseve0atuMhas4ss	Arlington
Beth	Innis	5ri3AarDcve Pnk o7 r	Belmont
Denise	Jaillet	-IcotSoAht 231S3p	Waltham
alan	stevens	n ni9 lPc74H0ae	Metairie
niren	sirohi	6r 3t5m draert	lexington
Adam	Teper	va eu w1br32li	Swansea
Lori	DiFusco	1 rtno GdS7o	Somerville
Holly	Pearson	atssc Mv huess5ea147At	Lexington
Karla	Starkenber	-e5eeiV L1vaAwk	Lynn
Ronnie	DiComo	hComm v2i uaghF 6traAanuee	Framingham
Tanya	Raymond	sMv 2ssa4hu3etaeAste 4	Cambridge
J	McAuliffe	eSPtrPl ae tr5 k	Arlington
Anne	Pepper	-g7Maors lan6i	Arlington
Dylan	Fox		
Julian	Shabry-Lichter	SarH etyv	Cambridge
Sean	Mullan	ld otSRarG d	Cambridge
Adrian	Rodriguez		
Andrew	Bean	w wAivlelo	somerville
Maya	Hesketh	Wnni	Belmont
Toshia	McCabe		Arlington
Karen	Popp	-R3 td11h1	Marshfield
Laura	Saylor	2oikdSTet0 nh1r	Arlington
Anju	Joglekar	rtSrteWtne ie	Arlington
Samia	Hesni	aeota1Rd5noh W	Arlington
Mary Ann	Lippert	-r n1rbanc9yLer	Concord
A	Bradford		
Sarah	Campbell	8IT rSuerltte1	Somerville
Eline	Bakker	nre,Uvnl2il 7 St tie G4e	Somerville
Linda	Varone	14deoM pA4rt,rttSdf 5e6e	Arlington
Dave	Rogers	-d8ec3rs at	somerville
Jennifer	Kiley	fy5tracMa i	Ipswich
Jennifer	Watson	6MSettteo6 rt	Arlington
SUSAN	GOULD	Q7 E WTBS6R	WEST MEDFORD
Suzanne	Eagan Beverly	an19Smio trtF 0	Arlington
Ginevra	Caswell	5Oe etcert 1a59n	Lynn
Eli	Gershenfeld	0tsO5a rhred-	Cambridge
Konner	Warrington	ppaeotln	arlington
Sung	Park		Arlington
Marcela	Rodriguez	,C atAt66nSp a B l	Medford
Brenton	Thornicroft	-a,UgDrr1i4PdatCk6 ibe n0mr	Cambridge
Julian	Drummond	-ed2e3i3R Anvg	Cambridge
Ian	Nowland	-2Wteel9ehrS	Cambridge

Save the Alewife Brook

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Sarah	Barringer	-poAivSmsne	Somerville
Nate	Mendes	aurnmV	Arlington
Silvia	Fritsch	0td-ger miaCS5b	Winchester
Lawson	Burns		
Ana	DiMarino		
Alice	Wiedey	-t1ra-reWeSeBt4	Somerville
Patricia	Matthews	B3W8D-AY4OAR	SOMERVILLE
Amanda	Mullins	Rd-d4-W4loa	Arlington
Becky	Klothen	s6vAeMa311-s	Arlington
Angela	Kelly	yaa1e2Bd-r25w	Somerville
Sophia	Millay	7S5-le1-Prta	Cambridge
Daniel	FIRESIDE	T-TNRET3-SOAWSE	Somerville
Erica	McDonel	oelv-eArcueenFn	Arlington
Sam	Melton		Lincoln
Kaylen	Dwyer	02n-tC11-a5-eps	Medford
Brigid	Angelini	uaacseht-AsMesstv	Cambridge
Ellen	Pfeiffer	aoSgtiM-anl	Arlington
Erdin	Beshimov	iglManoa	Arlington
Charlotte	Wirth	i-W9-leo2lvAw1	Somerville
		mv-oae1e-,SAn-4m49-3e,v52-iMIA-	
Sarah	Stewart	e00y21dRlr	Somerville
Sylvia	Stoddart	ltPm-yh-17utoS	Arlington
Haley	Slavick	7lrnt-ivgS4	Cambridge
Erin	Allen	vdA-s0e-oOR3ha	Columbus
Dominic	Serafini	-ktr8te-r-SeBaP2	Arlington
lee	jaffe	tsuaner-s5d-o	cambridge
Daniel	Bowen	mt-rSmA18p7-u-tSe	Somerville
Thomas	Ryde	gt9n-taies12etnhWo-rS	Dover
Veronica	Wang		
Pathana	Chonmany	1neSnt-aan-Li1	Cambridge
Tamara	Skoric	tR-er9eeiv6trS	Cambridge
Laurie	Arnone	-S5Z2lt-leer	Roslindale
Colleen	Kaman	i1vt-Aed2r-aPerg	Somerville
Tara	Perrone	noeevwlCal	Somerville
Amy	Kipp	tA-heit-1or11emevW	Cambridge
Bruce	Macindoe	eni6tr-e5eStiMt	Arlington
Marina	Santos	dfSOr1ox-t	Cambridge
Margaret	Rixey	2et-1yHa-vS6r	Cambridge
Dana	Bullister	i02r-Bo-t-nSntoek15lrti-1eUe	Cambridge
Grace	Losso	3oad3arb4w-y	Somerville
Tara	Checko	Stra-r-dOh43e	Medford
Nicholas	Swanson	oW-21vlwA-i3el	Somerville
Jake	Colosa	e2c6i-loaPnLi6-en	Brooklyn

Save the Alewife Brook

Environmental Health is Community Health

Susan	Hortenstine	lleoegC	Somerville
Riley	Kundtz	S-aDy7t3	Somerville
Isabella	Roden	ak83-tesrWl	Somerville
Ana	Gabby	ertlsa-F2ei	Somerville
Lily Ann	Ritter	Be-rt5S8t-nu.t	Jamaica Plain
Kevin	Leahy	eLe9t-2ko-S-	Cambridge
Molly	Feldmann		
Ivan	Galvis	-oPd-ae57agR	Bedford
Neil	Rohr	co-e6nCer-vA5o5dun	Cambridge
Bill	Licea-Kane	ndRk-4o-4maoCrtø	Arlington
Emiko	Kurosawa	-0T0d2,Cr-nin3c23tkro1-epAu-op	Cambridge
Sharon	Pate	eG7axls-ee-rlnMw	Somerville
Hannah	Jun	E-i1rtSeoetlt	Somerville
Elizabeth	Vandermark	a-rT3geCra3-cdiembre	Cambridge
Kevin	Ruffenach	w3lev-W2oAl-i1	Somerville
Emily	Holzman	ae2utevAng-1oe-Ct	Arlington
Wilfred	Mbah	212	Somerville
James	Travers	2ecC9-r-odvnoA	Cambridge
Harold	Gilmer	r31e4i-h1u-lhav0-heC	Cambridge
david	day	r-fs12ettee-rn	auburndale
Nicholas	Chubrich	atr1Fnki5Sn-6-l	Allston
Andrew	Somerville	3eietrseRr0v-t	Cambridge
Christopher	Bergh	let9HS-1ka-sl	Lexington
Ari	Radcliffe-Greene	ae1reSl-0nA4st-rte	Watertown
Tamara	Win	t2p-c-ho-2,3IS0StoA	Somerville
Ilda	Thompson		Lynn
Mary	Newport	pbDd1ig-A-mat0-rp16a3kCerr4	Cambridge
Ted	Raymond	-dmaegribaDCrprk	Cambridge
Noel	Qiao	oAe-ii2lrw84eeS-m	Somerville
Sarina	Canelake	l-1eLS2vo-t	Somerville
Cecilia	Buckley	n1R-aa-elA0dve	Boston
Robert	Morgan	A13ia7-t69n-pt,M-S	Cambridge
Ronna	Tenbrink	0nC1e-d-arRdonl	Somerville
judith	donath	gakmh1u-iSBen-3t	Cambridge
Sophie	Fisher	Cw8PaKey-rbarmda3ig	Cambridge
Christopher	Pacejo	t-a52L5-Sek	Arlington
Libby	Hsu		
Nathaniel	Schafheimer	ld4new-dRG0-oo	Somerville
Rebecka	Bittner	3Adaa-yrve3-wH	Lexington
Allison	James	A2olStst2-3l-n	Cambridge
Jaclyn	Pacejo	k25e5etteaLr-S	Arlington
Allison	Ziebka-Viering	nre3tt-aSWBe-r,2er1	Waltham
Philip	Ballentine	-1o2n,ttB-2osS	Somerville

Save the Alewife Brook

Environmental Health is Community Health

Peter	Gray	Roxbury
Lindsay	Teliska	Cambridge
Alex	Novak	Cambridge
Margaret	Demille	Somerville
Elise	Keston-Smith	Somerville
Lee-Daniel	Tran	Boston
Annalisa	Bhatia	Stoneham
Peter	Goriansky	SOMERVILLE
William	Johnson	Winchester
Mary	Markuske	Columbus
John	Evitts	Somerville
Peter	Medeiros	Cambridge
Michael	Giordano	Medford
Lindsay	Straw	Roxbury
Christopher	Mannetta	Cambridge
Elizabeth	Kenny	Woburn
Elizabeth	Sharon	Brookline
Joe	Pender	Norfolk
Alex	Marthews	BELMONT
Gerald	Britton	Somerville
Rachael	Neidinger	Woburn
Gordon	Wallace	Medford
Jenelle	Canny	Stoneham
Tatiana	Valaes	Newton
Erica	Del Aguila	Brighton
Walker	Del Aguila	Boston
Simon	Davis-Millis	Holbrook
Elizabeth	Cooke	Somerville
Samantha	Bialosky	Boston
Jan Marie	Olownia	Cambridge
Robin	Brown	Melrose
Siobhan	Sweeney	Jamaica Plain
Catherine	Sullivan	Roslindale
Hannah	Shaich	Somerville
Joel	DERRICO	Franklin
Eric	Cronin	Arlington
Alison	Scott	Arlington
Paul	Connolly	Boston
Janet	Bonner	Boston
Ryan	Pfenning	Boston
Tony	Tatar	Boston
Sid	Misra	Cambridge
Brian	Glynn	Boston

Save the Alewife Brook

Environmental Health is Community Health

Ken	Krause	Medford
Perry	Stoll	Brookline
Victoria	Sena	
Killian	Castner-Williams	Medford
Pauline	Lim	Somerville
Grace	Connolly	West Roxbury
Bailey	Michell	Newton
Stephen	Ervin	Lexington
Amanda	Rychel	Somerville
John	Ugles	Ayer
Leah	Santacroce	Brookline
Teri	Chu	Arlington
Matthew	Hirsch	Watertown
Andrew	Billeb	Boston
Katherine	Moon	Cambridge
Randall	Colella	Medfield
Jessica	Seidenberg	Worcester
Donald	Burn	Westborough
Andrea	Cherez	Roslindale
Josh	Nelson	Melrose
Jacob	Tinus	Dunstable
Matt	D'Arcangelo	Brookline
Nieta	Greene	
Beth	Collins	Beverly
Estelle	Martin	Marlborough
Isabella	Bachman	Boston
Evan	Bordt	Charlestown
Damon	Reynolds	Quincy
Wyatt	Smith	North Cambridge
Susan	Pace	Arlington
Margaret	Muckenhoupt	LEXINGTON
David	Brecht	Arlington
Anna	Azevedo	Arlington
Judy	Geyer	Arlington
Emma	Colgan	Dorchester
Nicole	Hanover	Arlington
Candace	Powers	
Rob	Bergeron	Stoneham
Liz	DeAngelis	Medfield
Haylee	Cooper	Boston
Christian	Thiim	Boston
Tara	Canny	Cambridge
Denise	Hunter	

Save the Alewife Brook

Environmental Health is Community Health

Mary
Alice
Emily
Ethan
Susan
Karen

Mick
Ettling
Talley
Frank
Pace
Stevens

e-ckS-9Lto
en4tardaGS-3
+SoaBt5r3n
a62s3ueavttse-hAe-Mss
r1t9-rtSeaMhona-te
l#s-iCil2-9erlBee

Cambridge
Boston
Somerville
Cambridge
Arlington
Cambridge

[EXTERNAL] Public Comment Opposition to Charles River Reclassification

From Joshua Matthews <jmjosh90@gmail.com>

Date Mon 11/3/2025 7:49 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear Ms. MacDougall,

Please add the below to the public comments for the proposed reclassification of the Charles River and forward to the board.

Thank you!

Joshua Matthews

Dear MWRA Board Members,

I want to begin by expressing deep appreciation for the MWRA's decades-long commitment to cleaning up the Charles River. Through the hard work, vision, and sustained investment of the Authority and its partners, the Charles has been transformed from a symbol of urban pollution to one of the nation's cleanest city rivers. The MWRA's combined sewer overflow program has cut overflows by an extraordinary 99.5% since the 1990s, and more than a million gallons per day of sewage have been eliminated from municipal systems throughout the watershed.

This turnaround is a legacy of which every board member and staff person should be proud. The successful cleanup has restored recreational opportunities, improved public health, and served as a model for urban river reclamation across the country. Protecting these hard-fought gains requires continued dedication to the highest water quality standards. Lowering the river's classification would compromise both the MWRA's achievements and the promise made to communities that the Charles would again be a safe and healthy river for all.

Reclassifying the Charles River to permit ongoing or increased sewage overflows poses significant risks to public health, the environment, and community well-being. Such a downgrade would legally sanction sewage releases that can introduce harmful bacteria, pathogens, and toxic substances into the water, increasing the likelihood of dangerous cyanobacteria (blue-green algae) blooms that threaten human and animal health. Exposure to polluted water can cause rashes, gastrointestinal illness, and in severe cases, impact liver, kidney, and neurological function; for pets and young children, the consequences can be even more dire. The downgrade of water quality standards would also undermine recreational uses—making swimming, fishing, paddle sports, and community events unsafe or unpleasant due to foul odors, debris, and contaminated conditions. More broadly, it jeopardizes the tremendous progress and

investments that have made the Charles a valued urban resource and inspires fears of a return to past eras of pollution and neglect.

It's now in your hands, to choose to honor the legacy of excellence that defines the MWRA and maintain the standards that made this remarkable recovery possible or throw it all away. Please reject the proposed reclassification and recommit to a vision of a swimmable, fishable Charles River for generations to come.

Respectfully,

Joshua Matthews
Allston, MA

[EXTERNAL] Webform submission from: Contact Us > Content rows > Row component

From MWRA <no-reply@web-response.com>

Date Tue 11/4/2025 10:33 PM

To MWRA, Ask <Ask.MWRA@mwra.com>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Submitted on Tue, 11/04/2025 - 10:33pm

Submitted by: Anonymous

Submitted values are:

Name

Susan Trotz

Email

sltrotz@gmail.com

Phone Number

[6178165187](tel:6178165187)

Subject

Polluting the Charles River

Comment or Question

Henry F. Vitale, Patrick J. Walsh and
Brian Swett,

Please work to make the Charles river a clean body of water. I live in Jamaica Plain and I am 68 years old. I am a retired Boston Public School counselor and very much appreciate the natural resources we have around the city. For 20 years, I took seventh graders camping at Thompson Island. In my retirement, I often find time to kayak on the Charles River. With all that is going on in this world, it is important to work on a vision of a world we would like to live in. For me one vision is to have clean air, clean water and safe and beautiful land. Please do not declassify the Charles River to allow more raw sewage to be dumped into it.

I would like a copy of my submission sent to my email

Yes

Check box element

No

[EXTERNAL] Please Oppose Any Plan Allowing More Sewage Discharges into the Mystic River and Alewife Brook

From Deirdre OBrien <dobie32@yahoo.com>

Date Tue 11/4/2025 11:24 AM

To MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>; MacDougall, Kristin <Kristin.MacDougall@mwra.com>; env.internet@mass.gov <env.internet@mass.gov>; Cindy.Friedman@masenate.gov <cindy.friedman@masenate.gov>

You don't often get email from dobie32@yahoo.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board Members, State Representatives, and State Senators,

My name is Deirdre O'Brien, and I am a resident of the Town of Arlington.

I am writing to express my strong opposition to the current proposal that would allow higher levels of sewage discharges into the Mystic River and Alewife Brook in the future. As a concerned citizen who deeply cares about the health of our local waterways and community, I urge you to reject this plan and instead support efforts to eliminate sewage pollution altogether.

The plan presented by the MWRA and the Cities of Cambridge and Somerville would, in effect, allow the continued discharge of raw sewage indefinitely. This is unacceptable.

I regularly walk along the Mystic River and the Alewife Brook path and see the wildlife that calls this place home. Each year, geese, swans, turtles, and many other species raise their young there — but many do not survive. It's hard not to imagine how contaminated water impacts their chances. Allowing more sewage into these waters could mean the end of much of this local wildlife altogether.

I also see people kayaking and paddle boarding on these waters because of how beautiful the area is. Yet I often wonder whether they know the risks they face if they fall in. Increasing sewage discharges would make these activities even more dangerous for families, children, and pets. No one should have to fear for their health while enjoying our natural environment.

Instead of approving a plan that permits more pollution, we should be developing one that eliminates sewage discharges entirely and restores the Mystic River and Alewife Brook to the clean, healthy waterways they were meant to be.

I am also deeply concerned about the proposal to reclassify the Mystic River from Class B to Class B (CSO). This change would lower the water quality standards and send the wrong message — that ongoing pollution is acceptable. It is not.

I urge you to reject this proposal and work toward a plan that protects public health, preserves wildlife, and restores our waterways for future generations.

Thank you for your service and attention to this urgent issue.

Sincerely,
Deirdre O'Brien
Resident, Town of Arlington

[EXTERNAL] MWRA board: Do NOT approve the project proposal on Nov. 19

From Valerie Masin <valerie.masin@gmail.com>

Date Sat 11/8/2025 5:26 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

You don't often get email from valerie.masin@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Good Day,

I'm writing to beseech the MWRA board to not accept the proposal to continue to allow CSOs in the Charles River in perpetuity. Reclassifying the river is NOT what we expect going forward.

We should be pushing for a project with the highest level of CSO control. We deserve a clean, swimmable Charles and it is unacceptable for any sewage to pollute our beloved river!

Thank you,
Valerie Masin
272 Marlborough St. #2R
Boston, MA 02116

[EXTERNAL] Please vote NO on Nov. 19

From Ames Abbot <amesabbot@gmail.com>

Date Sun 11/9/2025 9:20 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

To the MWRA Board,

I was very disappointed to learn of your proposed change to declassify the Charles River as a swimmable river, to allow for increased CSO discharges in future.

I have walked around the lower basin for many years, and also kayaked numerous times upriver in the Waltham area. The Charles is a crucial recreation asset for the Boston metro area, and I see no good reason for allowing any CSOs to be discharged into the river.

As improvements in South Boston, New York and Philadelphia have shown, CSOs can be greatly reduced, not increased, with proven solutions.

A clean, healthy Charles River is critical for all of us in the Boston area. I strongly encourage you to vote no on the current proposal, and develop a new proposal that completely eliminates all CSO discharges.

Thanks,
Ames Abbot

[EXTERNAL] Please *Reject* Raw Sewage Discharge into the Mystic River Waterways Vote on November 19

From alyssa lary <alyssalary@yahoo.com>

Date Tue 11/11/2025 3:46 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>; MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>

Cc env.internet@mass.go <env.internet@mass.go>

You don't often get email from alyssalary@yahoo.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board,

My name is Alyssa Lary and I am a resident of Arlington, specifically East Arlington near Alewife Brook, the Mystic River and Spy Pond.

I am writing about the upcoming November 19 board meeting vote that would allow higher level levels of sewage discharge into the Mystic river in the future. As a concerned citizen and resident who lives in this area and cares about the health of the Mystic River, I strongly urge you to reject this recommendation.

I bike, walk, commute to work, and enjoy bird/wildlife/nature watching along all of these waterways almost daily.

The amount of raw sewage that already spills over onto the walkways, especially by Alewife Brook Parkway after a hard rain is already incredibly concerning as people walk/jog/bike by, let their children play and walk their dogs. It is a huge health hazard, it's incredibly damaging to wildlife and it smells.

We need to be increasing protection and vastly reducing raw sewage dumping for these thickly populated special waterways, not making them worse.

I am quite dismayed to see that city and MWRA staff are recommending a plan for the Mystic River and Alewife Brook that would not only reduce the least amount of sewage discharges into the Mystic river but would allow the increase in volume of incoming years, thanks to the larger storms from climate change.

We need a better plan than this, one that targets the highest level of CSO control.

Sincerely,
Alyssa Lary
Arlington, MA

Sent from my iPhone

[EXTERNAL] Re: Please *Reject* Raw Sewage Discharge into the Mystic River Waterways Vote on November 19

From alyssa lary <alyssalary@yahoo.com>

Date Tue 11/11/2025 3:59 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>; MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>

Cc env.internet@mass.gov <env.internet@mass.gov>

You don't often get email from alyssalary@yahoo.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Apologies, sending again as the CCed email had a typo.

On Nov 11, 2025, at 3:46 PM, alyssa lary <alyssalary@yahoo.com> wrote:

Dear MWRA Board,

My name is Alyssa Lary and I am a resident of Arlington, specifically East Arlington near Alewife Brook, the Mystic River and Spy Pond.

I am writing about the upcoming November 19 board meeting vote that would allow higher level levels of sewage discharge into the Mystic river in the future. As a concerned citizen and resident who lives in this area and cares about the health of the Mystic River, I strongly urge you to reject this recommendation.

I bike, walk, commute to work, and enjoy bird/wildlife/nature watching along all of these waterways almost daily.

The amount of raw sewage that already spills over onto the walkways, especially by Alewife Brook Parkway after a hard rain is already incredibly concerning as people walk/jog/bike by, let their children play and walk their dogs. It is a huge health hazard, it's incredibly damaging to wildlife and it smells.

We need to be increasing protection and vastly reducing raw sewage dumping for these thickly populated special waterways, not making them worse.

I am quite dismayed to see that city and MWRA staff are recommending a plan for the Mystic River and Alewife Brook that would not only reduce the least amount of sewage discharges into the Mystic river but would allow the increase in volume of incoming years, thanks to the larger storms from climate change.

We need a better plan than this, one that targets the highest level of CSO control.

Sincerely,
Alyssa Lary
Arlington, MA

Sent from my iPhone

[EXTERNAL] Reject MWRA's CSO Proposal for the Mystic, Alewife, and Charles on Nov. 19

From Leili Towfigh <towfigh@gmail.com>

Date Tue 11/11/2025 7:34 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

Cc MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>; env.internet@mass.gov <env.internet@mass.gov>

You don't often get email from towfigh@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board of Directors,

My name is Leili Towfigh, and I am a resident of West Medford.

I am writing to you about your upcoming vote at the November 19 Board meeting on a recommendation from MWRA staff that would allow higher levels of sewage discharges into the Mystic River in the future. As a concerned citizen who cares about the health of the Mystic River watershed, I strongly urge you to reject this recommendation.

I've lived here next to the Mystic River my whole life and I adore it. I grew up playing next to it, we walk there as a family on a regular, and we are awestruck to spy herons, bald eagles, osprey, hawks, ducks and turtles around the river on a regular basis.

Untreated sewage will greatly harm the wildlife that are thriving along the River. It will also harm the health of the humans who play and exercise there, who live nearby, and who derive joy from the creature, trees and plants that thrive on its banks. Who wants to live with the stench, and the knowledge that toxic waste, including pharmaceuticals, will poison the wildlife in this beautiful area.

I am dismayed to see that city and MWRA staff are recommending a plan for the Mystic River and Alewife Brook that would not only reduce the least amount of sewage discharges into the Mystic River, but would allow the increase in the volume of discharges in coming years, thanks to the larger storms from climate change.

We need a better plan than this — one that targets the highest level of CSO control.

Sincerely,
Leili Towfigh

[EXTERNAL] Resident Comment: Opposing MWRA Draft CSO Control Plan

From Meryl Perlson <merylperlson@gmail.com>

Date Tue 11/11/2025 4:32 PM

To env.internet@mass.gov <env.internet@mass.gov>; BoardMemberTepper <Rebecca.L.Tepper@mass.gov>; MacDougall, Kristin <Kristin.MacDougall@mwra.com>; MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

To the MWRA and City Officials:

I am writing to submit public comment on the Draft CSO Control Plan.

I live a few blocks from the Mystic River and Alewife Brook in West Medford, and I have walked their banks for more than twenty years. When my children were small, I had to warn them not to go near the water because of contamination. Today, when I stroll the banks, I see joggers, paddlers, and families enjoying the sight of herons, turtles, and fish in clear, living water. It has been remarkable to witness this transformation through decades of community and municipal effort.

It is therefore deeply troubling that the City and the MWRA—an agency charged with protecting public health, promoting environmental stewardship and supporting a prosperous economy—would even consider a plan that allows an increase in combined sewer overflow discharges and jeopardizes the Mystic and Alewife’s statuses as “Class B” water bodies. The proposed plan threatens to undo years of progress, especially as climate change brings larger and more frequent storms.

At a time when the Alewife Greenway and Paddle Boston site are drawing new visitors and economic vitality, and the Mystic Shoreline Revitalization Plan is moving forward, the proposed plan is irresponsible and fundamentally at odds with the MWRA’s stated mission.

We need a plan that provides the highest level of CSO control and targets a 25-year CSO control plan. One that is made in consultation with residents who will be directly impacted by laxer CSO control. Out of the many proposals that were considered, this is not the one.

Thank you for taking my comments into account.

Sincerely,
Meryl Perlson, 97B Boston Avenue, West Medford

[EXTERNAL] CSO Control Plan Recommendation

From Michelle Scott <michelle.3.scott@gmail.com>

Date Tue 11/11/2025 10:45 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>; MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>

Cc env.internet@mass.gov <env.internet@mass.gov>

You don't often get email from michelle.3.scott@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear Members of the MWRA Board of Directors,

I am writing regarding the upcoming vote at the November 19 Board meeting on a recommendation from MWRA staff that would allow higher levels of sewage discharges into the Mystic River in the future. As a concerned citizen who cares about the health of the Mystic River watershed, I strongly urge you to reject this recommendation.

The communities within the watershed deserve outdoor spaces and ecosystems free of raw sewage and full of nature, which bring benefits rather than hazards. I am dismayed to see recommendations for a plan for the Mystic River and Alewife Brook that would not only reduce the least amount of sewage discharges into the Mystic River, but would allow for an increase in the volume of discharges in coming years, thanks to the larger storms from climate change. We need a clean Alewife Brook and a Mystic River that is healthy now and in the future, and so we need a better plan than this — one that targets the highest level of Combined Sewer Overflow (CSO) control.

Sincerely,

Michelle Scott

Medford resident

[EXTERNAL] Reject MWRA's CSO Proposal for the Mystic, Alewife, and Charles on Nov. 19

From Neil Silverman <silvermanneil@gmail.com>

Date Tue 11/11/2025 11:05 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

Cc MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>; env.internet@mass.gov <env.internet@mass.gov>

You don't often get email from silvermanneil@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board of Directors,

My name is Neil Silverman, and I am a resident of Medford.

I am writing to you about your upcoming vote at the November 19 Board meeting on a recommendation from MWRA staff that would allow higher levels of sewage discharges into the Mystic River in the future. As a concerned citizen who cares about the health of the Mystic River watershed, I strongly urge you to reject this recommendation.

I frequently utilize our outdoor spaces, including parks and walkways along the Mystic River. These green spaces make up beautiful and important havens for urban dwellers to enjoy nature, reduce stress, and appreciate our local environment.

The presence of raw sewage in our urban waterways represents a significant health risk to all the citizens of Medford, Somerville, and all communities along the river. It poisons aquatic wildlife, bringing them into contact with harmful chemicals and bacteria which they then spread, not to mention the risk for humans and pets coming in contact with such contaminated water even accidentally.

I am dismayed and disappointed to see that city and MWRA staff are recommending a plan for the Mystic River and Alewife Brook that would not only reduce the least amount of sewage discharges into the Mystic River, but would allow the increase in the volume of discharges in coming years, thanks to the larger storms from climate change. The Commonwealth has spent a great deal of money and effort, over a great deal of time, to clean up our waterways. This determination has brought miraculous recovery to the region's rivers and lakes, bringing back amazing wildlife, incredible natural beauty for us all to enjoy, and made our communities healthier in the process. What we've done in Massachusetts has been a beacon and a blueprint to cities across the country. To reverse course now would be to not only turn our backs on our own accomplishments, but to betray our future

generations.

We need a better plan than this — one that targets the highest level of CSO control.

Sincerely,
Neil Silverman

[EXTERNAL] Reject MWRA's CSO Proposal for the Mystic, Alewife, and Charles on Nov. 19

From Stephanie Melikian <stephanie.melikian@gmail.com>

Date Tue 11/11/2025 3:57 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

Cc MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>; env.internet@mass.gov <env.internet@mass.gov>

You don't often get email from stephanie.melikian@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board of Directors,

My name is Stephanie Melikian, and I am a resident of Medford. I also work in Cambridge by the Alewife Reservation.

I am writing to you about your upcoming vote at the November 19 Board meeting on a recommendation from MWRA staff that would allow higher levels of sewage discharges into the Mystic River in the future. As a concerned citizen who cares about the health of the Mystic River watershed, I strongly urge you to reject this recommendation.

I regularly paddle on the Mystic and walk my dog along its banks. I work near Alewife and enjoy walking along Alewife Brook on days when it doesn't smell like a toilet. I'm also an avid birdwatcher and care about the health of the river's ecosystem as much for the sake of wildlife as for the humans who interact with it.

Unfortunately, we stay away from the river after heavy rains because we know there is raw sewage in it from the CSOs. There are times when the stench from Alewife Brook is overpowering. This waterway could be a jewel of our city and the adjoining communities, but it needs to be protected from waste being dumped into it regularly for the next 25 years.

I am dismayed to see that city and MWRA staff are recommending a plan for the Mystic River and Alewife Brook that would not only reduce the least amount of sewage discharges into the Mystic River, but would allow the increase in the volume of discharges in coming years, thanks to the larger storms from climate change.

We need a better plan than this — one that targets the highest level of CSO control.

Sincerely,
Stephanie Melikian
34 Boynton Rd
Medford

[EXTERNAL] Stand Up for the Charles River – Reject CSO Rollbacks and Finish the Clean Charles Job

From Chris Houseman <houseman369@gmail.com>

Date Wed 11/12/2025 9:51 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>; MWRA, Ask <Ask.MWRA@mwra.com>; frederick.laskey@mwra.com <frederick.laskey@mwra.com>; Murtagh, Kathy <Kathy.Murtagh@mwra.com>; carolyn.murphy@mwra.com <carolyn.murphy@mwra.com>; Durkin, Thomas <Thomas.Durkin@mwra.com>; Gillen, Michele <Michele.Gillen@mwra.com>; rebecca.tepper@mwra.com <rebecca.tepper@mwra.com>; brian.pena@mwra.com <brian.pena@mwra.com>; jennifer.wolowicz@mwra.com <jennifer.wolowicz@mwra.com>; john.walsh@mwra.com <john.walsh@mwra.com>; joseph.foti@mwra.com <joseph.foti@mwra.com>; louis.taverna@mwra.com <louis.taverna@mwra.com>; andrew.pappastergion@mwra.com <andrew.pappastergion@mwra.com>; brian.swett@mwra.com <brian.swett@mwra.com>; henry.vitale@mwra.com <henry.vitale@mwra.com>; patrick.walsh@mwra.com <patrick.walsh@mwra.com>; paul.flanagan@mwra.com <paul.flanagan@mwra.com>

You don't often get email from houseman369@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear Members of the MWRA Board of Directors,

I am writing as a concerned resident of Massachusetts and a strong supporter of environmental justice and public health. The Charles River is not just a waterway—it's a vital recreational space, a symbol of our state's resilience, and a legacy we owe to future generations. That's why I am deeply alarmed by the Massachusetts Water Resources Authority's recent proposal to abandon full compliance with the Clean Water Act of 1972 and the Clean Charles initiative, allowing combined sewer overflows (CSOs) to continue dumping untreated sewage into our river under the guise of cost concerns. This shortsighted decision betrays decades of hard-won progress and demonstrates a profound failure of leadership at a time when bold action is essential.

The Clean Water Act, enacted over 50 years ago, set a national standard to restore and protect our waters, including the Charles. Locally, the Clean Charles initiative—championed by the Charles River Watershed Association (CRWA)—has made remarkable strides toward eliminating CSOs, those toxic discharges from outdated combined sewer systems that plague Boston and surrounding areas. Key achievements include the 2021 An Act Promoting Awareness of Sewage in Public Waters, which mandates public notifications of overflows, and the launch of the CSO Data Portal in 2023, empowering communities with real-time data on contamination events. These efforts have already begun to safeguard recreation along the river's seven beaches, which were once closed due to pollution in the 1950s.

Yet, CSOs remain a clear and present danger. They spike gastrointestinal illnesses in the days following heavy rains, contaminate our waterways with pathogens, and disproportionately burden environmental justice communities—watersheds with higher proportions of non-white, low-income, or linguistically isolated residents endure up to three times more CSO volume.

Solutions like pipe separation, underground storage tunnels, and green infrastructure (rain gardens, permeable pavers, and blue roofs) are proven, feasible, and critical for building climate resilience against intensifying storms. Milwaukee's successful CSO management shows us it's possible; why settle for less here?

Proposing to rollback these protections because of costs is not fiscal prudence—it's cowardice disguised as pragmatism. It ignores the true expense: eroded public health, lost economic value from a polluted river that deters tourism and recreation, and the moral debt we incur by prioritizing short-term budgets over long-term stewardship. Federal rollbacks to the Clean Water Act in 2025, including delays on PFAS protections and erosion of Waters of the U.S. rules, have already weakened our national framework. Allowing local abandonment now would compound this betrayal, handing polluters a victory while our communities suffer.

I urge you, as stewards of the MWRA, to reject this proposal at your November 19 board meeting. Vote to fully implement the Clean Charles plan, commit to eliminating CSOs by 2050 as advocated by CRWA and the Coalition to End Sewage Pollution, and lead with the courage our rivers demand. Contact me if you'd like to discuss further—your constituents are watching, and we expect better.

Don't be cowards and do the right thing.

Chris Houseman, Boston resident

[EXTERNAL] Reject MWRA's CSO Proposal for the Mystic, Alewife, and Charles on Nov. 19

From Amy Kaczur <amykaczur@gmail.com>

Date Wed 11/12/2025 9:21 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

Cc MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>; env.internet@mass.gov <env.internet@mass.gov>

[You don't often get email from amykaczur@gmail.com. Learn why this is important at <https://aka.ms/LearnAboutSenderIdentification>]

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board of Directors,

My name is Amy Kaczur and I am a resident of Belmont, MA.

I am writing to you about your upcoming vote at the November 19 Board meeting on a recommendation from MWRA staff that would allow higher levels of sewage discharges into the Mystic River in the future. As a concerned citizen who cares about the health of the Mystic River watershed, I strongly urge you to reject this recommendation.

I walk and bike along the mystic River and Alewife Brook path. I'm extremely concerned about the health of anyone coming into contact with untreated sewage, and the impacts on wildlife as well. Massachusetts can do better than this!

I am dismayed to see that city and MWRA staff are recommending a plan for the Mystic River and Alewife Brook that would not only reduce the least amount of sewage discharges into the Mystic River, but would allow the increase in the volume of discharges in coming years, thanks to the larger storms from climate change.

We need a better plan than this — one that targets the highest level of CSO control.

Sincerely,
Amy Kaczur

Amy Kaczur
amykaczur@gmail.com
Sent from my iPhone

[EXTERNAL] Stand up for the Charles - MWRA Updated LTCP

From Ann Houseman <nunnelleyag@gmail.com>

Date Wed 11/12/2025 9:50 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear Members of the MWRA Board of Directors,

As a water resources engineer specializing in stormwater management and a Boston South End resident who cherishes seasonal walks on the Esplanade and sailing the Charles with Community Boating, I'm deeply committed to protecting the river from combined sewer overflows (CSOs). I urge the Board to reject the current LTCP proposal scheduled for vote on November 19 and instead demand a revision that includes a robust CSO reduction/elimination plan delivering the highest feasible level of protection to the Charles. There are a wide variety of potential capital projects that could be evaluated through a triple-bottom-line framework, balancing environmental, social, and economic outcomes to identify the optimal path forward.

The updated LTCP must also incorporate a comprehensive lifecycle economic analysis of the most beneficial CSO control options, comparing initial capital costs, operating expenses, public health benefits, and ecosystem services over time. Transparency and public trust are paramount: I encourage the Board to pursue a much more robust public engagement strategy, clearly articulating how community input shapes capital planning and decision-making. Visibility into how public feedback leads to specific project changes will build confidence and ensure the LTCP aligns with both technical best practices and community priorities.

As someone who recreates on the Charles throughout the year—walking, sailing, and spending time by the water—I'm deeply troubled by the proposal to continue periodically dumping sewage into the river under the guise of reclassification. The Board's upcoming vote is a defining moment for the future of the River: the draft plan should not downgrade standards but strengthen them, fully committing to CSO elimination. I urge you to take this opportunity on November 19 to steer the LTCP toward a future where the Charles is fully protected, supporting not only water quality and public health but also Boston's cultural and recreational heritage.

Sincerely,

--

Ann Houseman

nunnelleyag@gmail.com

[EXTERNAL] Reject MWRA's CSO Proposal for the Mystic, Alewife, and Charles on Nov. 19

From Ari Adland <ariadland@gmail.com>

Date Wed 11/12/2025 12:39 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

Cc MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>; env.internet@mass.gov <env.internet@mass.gov>

You don't often get email from ariadland@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board of Directors,

My name is Ari Adland and I'm a resident of Somerville.

I was frankly appalled to learn of the plan to allow increased sewage discharges into the Mystic river as well as change its water classification.

My children and I regularly go kayaking on the Mystic and participate in cleanups on both sides of the river.

We should be working for a future where the Mystic is a healthy pollution free river one could swim in - without worries about sewage.

I understand that climate change and increased rain can make this difficult, but that problem isn't going away. And hiding from it by allowing it to be worse isn't the future we should be working towards.

Please reject this change.

Sincerely,
Ari

[EXTERNAL] Reject MWRA's CSO Proposal for the Mystic, Alewife, and Charles on Nov. 19

From Bambi Good <bambigood@gmail.com>

Date Wed 11/12/2025 10:41 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

Cc MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>; env.internet@mass.gov <env.internet@mass.gov>

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[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board of Directors,

My name is XXX, and I am a resident of XXX.

I am writing to you about your upcoming vote at the November 19 Board meeting on a recommendation from MWRA staff that would allow higher levels of sewage discharges into the Mystic River in the future. As a concerned citizen who cares about the health of the Mystic River watershed, I strongly urge you to reject this recommendation.

[MENTION HOW THIS IMPACTS YOU AND YOUR PERSONAL EXPERIENCE]

Ex: I regularly paddle on the Mystic River; I bring my children to the river to fish; I walk to work every day on the Alewife Brook path.

[MENTION ANY CONCERNS YOU HAVE ABOUT YOUR HEALTH AND THE HEALTH OF FAMILY, FRIENDS, AND NEIGHBORS, WHO COME INTO CONTACT WITH UNTREATED SEWAGE]

I am dismayed to see that city and MWRA staff are recommending a plan for the Mystic River and Alewife Brook that would not only reduce the least amount of sewage discharges into the Mystic River, but would allow the increase in the volume of discharges in coming years, thanks to the larger storms from climate change.

We need a better plan than this — one that targets the highest level of CSO control.

Sincerely,
Bambi Good

[EXTERNAL] Reject MWRA's CSO Proposal for the Mystic, Alewife, and Charles on Nov. 19

From Cara Foster-Karim <cara@fosterkarim.com>

Date Wed 11/12/2025 12:19 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

Cc MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>; env.internet@mass.gov <env.internet@mass.gov>

[You don't often get email from cara@fosterkarim.com. Learn why this is important at <https://aka.ms/LearnAboutSenderIdentification>]

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board of Directors,

My name is Cara Foster Karim, and I am a resident of Somerville.

I am writing to you about your upcoming vote at the November 19 Board meeting on a recommendation from MWRA staff that would allow higher levels of sewage discharges into the Mystic River in the future. As a concerned citizen who cares about the health of the Mystic River watershed, I strongly urge you to reject this recommendation.

I frequently walk or bike along the Alewife Brook and kayak on the Mystic with my kids. For my kids and other children in our community access to clean and safe waterways is such a precious gift that is threatened by pollution. There are also so many species of birds and fish and other animals along the Mystic. It's a whole ecosystem that's negatively impacted whenever combined sewer overflows happen

I am dismayed to see that city and MWRA staff are recommending a plan for the Mystic River and Alewife Brook that would not only reduce the least amount of sewage discharges into the Mystic River, but would allow the increase in the volume of discharges in coming years, thanks to the larger storms from climate change.

We need a better plan than this — one that targets the highest level of CSO control.

Sincerely,
Cara Foster Karim

[EXTERNAL] CSOs in the Charles River

From Conor Rogue-Burke <cthatcherburke@gmail.com>
Date Wed 11/12/2025 7:44 PM
To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

You don't often get email from cthatcherburke@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Good evening,

My name is Conor and I am reaching out to you today to voice my support as an avid enjoyer of the Charles River for the ending of combined sewage overflow dumping in the river. My use of the river is both personal and professional--as a lifelong sea kayaker, I personally love the many points of access to the river for deepening my bond with the watershed. I also professionally guide kayaking on the Charles. It is an utter shame that even with proven alternatives to CSOs, the MWRA still allows dumping in direct opposition to the Clean Water Act and Clean Charles Initiative. The CSOs directly impact my life--I cannot recreate throughout the paddling season as consistently as I would like, and I cannot operate professionally when our sites are shut down. This is unacceptable and nothing short of disgusting. Please extend my thoughts to the board during the upcoming meeting on Nov 19--no more sewage in the Charles!

Conor Rogue-Burke
410-404-6735

[EXTERNAL] CSO's: Vote NO on Nov 19

From glennon beresin <glennonb@gmail.com>

Date Wed 11/12/2025 9:37 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>; MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>

Cc env.internet@mass.gov <env.internet@mass.gov>

You don't often get email from glennonb@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA officials and board members,

My name is Glennon Beresin, and I am writing as a concerned citizen and resident of the City of Medford. This email is concerning the upcoming vote at the November 19th Board meeting on a recommendation from MWRA staff that would allow higher levels of sewage discharges into the Mystic River in the future.

As a public health professional in the field of environmental health, and a mother of 2 young children who play and learn in the watershed of the Mystic and waters downstream of the Alewife Brook, I strongly urge you to reject this recommendation.

Our family regularly paddles on and walks along the edge of the Mystic River. Flooding in public areas is not uncommon and this plan would put the public at risk. CSOs carry bacterial, chemical and nutrient pollution that are unhealthy for the ecosystem and people. CSO's carry untreated sewage which contain pathogens that can make people sick, especially endangering the most vulnerable members of our community. I have several family members with conditions that have left them immunocompromised and susceptible to potential infections from bacteria in sewage. The CSO outfalls are located such that they more heavily impact residents already experiencing economic hardship. We need policies that rectify ongoing inequities in our cities, not those that exacerbate them. We need safe green and blue spaces and climate-resilient policies.

I am dismayed to see that city and MWRA staff are recommending a plan for the Mystic River and Alewife Brook that would not only increase sewage discharges into the Mystic River, but would allow the increase in the volume of discharges in coming years, thanks to the larger storms from climate change. We need a better plan than this — one that targets the highest level of CSO control.

Sincerely,
Glennon Beresin

[EXTERNAL] Reject MWRA's CSO Proposal for the Mystic, Alewife, and Charles on Nov. 19

From Jeanette Minyaoui <minyaoui@yahoo.com>

Date Wed 11/12/2025 4:54 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

Cc MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>; env.internet@mass.gov <env.internet@mass.gov>

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[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board of Directors,

My name is Jeanette Minyaoui, and I am a resident of Everett, MA.

I am writing to you about your upcoming vote at the November 19 Board meeting on a recommendation from MWRA staff that would allow higher levels of sewage discharges into the Mystic River in the future. As a concerned citizen who cares about the health of the Mystic River watershed, I strongly urge you to reject this recommendation.

I am concerned about the health of the people who come in contact with untreated sewage.

I am dismayed to see that city and MWRA staff are recommending a plan for the Mystic River and Alewife Brook that would not only reduce the least amount of sewage discharges into the Mystic River, but would allow the increase in the volume of discharges in coming years, thanks to the larger storms from climate change.

We need a better plan than this — one that targets the highest level of CSO control.

Sincerely,
Jeanette Minyaoui

[EXTERNAL] Reject MWRA's CSO Proposal for the Mystic, Alewife, and Charles on Nov. 19

From Jaye Raye <muchirony@verizon.net>

Date Wed 11/12/2025 1:06 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

Cc MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>; env.internet@mass.gov <env.internet@mass.gov>

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[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board of Directors,

My name is Jill Richard, and I am a resident of Medford.

I am writing to you about your upcoming vote at the November 19 Board meeting on a recommendation from MWRA staff that would allow higher levels of sewage discharges into the Mystic River in the future. As a concerned citizen who cares about the health of the Mystic River watershed, I strongly urge you to reject this recommendation.

I have smelled the stench of sewage as I walk to Whole Foods in Medford. The walk is beautiful. It's nice to see nature but disgusting to smell sewage and see pollution destroy the area.

People paddle in that area. It is unsafe to release untreated sewage in areas where people are recreating, walking, and dogs are Small children may end up in the water.

I am dismayed to see that city and MWRA staff are recommending a plan for the Mystic River and Alewife Brook that would not only reduce the least amount of sewage discharges into the Mystic River, but would allow the increase in the volume of discharges in coming years, thanks to the larger storms from climate change.

Clearly, we don't want the sewage backing up into our houses and commercial areas, but we need a better plan than this — one that targets the highest level of CSO control. Sewage needs to be treated, not released in our neighborhoods. It may be an expensive proposition, but it's a necessary one. This suggests that there is no long-term plan and that the situation is only going to be worse overtime until all the areas that we've tried to make green are uninhabitable by humans.

Sincerely,
Jill Richard

[EXTERNAL] Public comment regarding MWRA's CSO Proposal for the Mystic, Alewife, and Charles on Nov. 19

From Joanne Michel <jkmichel350@gmail.com>

Date Wed 11/12/2025 7:56 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

Cc MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>; env.internet@mass.gov <env.internet@mass.gov>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board of Directors,

My name is Joanne, and I am a resident of Malden.

I am writing to you about your upcoming vote at the November 19 Board meeting.

As you discuss the different options on November 19, I encourage you to seek alternatives which will not downgrade the current classification and associated regulations. If limiting commitment to certain projects in the name of financial sustainability is the goal, I hope that you will seek a draft which maintains the higher standard as the minimum, and do not choose to lower the standard.

I understand the cost concerns of the more aggressive proposals to improve the area. However I fear that changing the classification of the identified outflows and decreasing regulations is a decision which will affect our communities for longer than the amount of time it would take to complete any of the proposed projects. It seems to go in the opposite direction of the work the organization has been doing to improve CSOs for the Greater Boston community for the past several decades.

Although we do not know for sure how climate change will affect us in the coastal Northeast, citing the potential for as many dry years as there are wet and betting against an increase in frequency of extreme storm events seems unrealistic. Not only do we live in a high precipitation area, but we know that having intermittent dry periods can lead to a greater concentration of contaminants entering the water system during post-drought flooding.

I believe limiting efforts to reduce CSO discharges goes in the opposite direction of what we should be striving for which is cleaner rivers. Having a clean environment is important not just to the residents immediately adjacent to and downstream of the affected watersheds such as through bacterial and toxin exposure, but it impacts the surrounding wildlife and affects the greater water cycle and ecology. Please think not just of the dollars and investors, but of the individuals, families and pets who will get sick when they go outside, the home and business owners faced with biohazardous flooding, and all the ways we rely on healthy rivers and oceans here in New England - a love of outdoors and recreation but also the seafood industries, tourism, real estate and more. If finances are the main concern remember that the

aftermath of these negative events can be just as costly as the measures to prevent them. Most importantly, think of the river herring and fish, the plants and trees, the insects, the turtles and frogs, the birds, the lobsters and oysters, the seals, the whales and sharks.

I hope that you will make a decision which you will be able to stand by in decades and generations to come, and uphold the higher standard of classification and tighter regulations.

Sincerely,
Joanne Michel Alcott

[EXTERNAL] Reject MWRA's CSO Proposal for the Mystic, Alewife, and Charles on Nov. 19

From Katie Donnelly <katiedonn32_10@icloud.com>

Date Wed 11/12/2025 10:47 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

Cc MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>; env.internet@mass.gov <env.internet@mass.gov>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board of Directors,

My name is Katie Donnelly, and I am a resident of Lynn, MA.

I am writing to you about your upcoming vote at the November 19 Board meeting on a recommendation from MWRA staff that would allow higher levels of sewage discharges into the Mystic River in the future. As a concerned citizen who cares about the health of the Mystic River watershed, I strongly urge you to reject this recommendation.

My dog, Finnegan, and I love taking our long walks along the Alewife Brook path every weekend. I am concerned that if this proposal passes that this will pose a health risk for me and Finnegan.

I am disappointed to see that city and MWRA staff are recommending a plan for the Mystic River and Alewife Brook that would not only reduce the least amount of sewage discharges into the Mystic River, but would allow the increase in the volume of discharges in coming years, thanks to the larger storms from climate change.

We need a better plan than this — one that targets the highest level of CSO control.

Sincerely,
Katie & Finnegan

Sent from my iPhone

[EXTERNAL] Combined Sewer Overflow proposals

From Kirsty Bennett <kirsty1@gmail.com>

Date Wed 11/12/2025 11:12 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>; MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>

Cc env.internet@mass.gov <env.internet@mass.gov>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear Kristin, Jeremy and Rebecca

I am a resident of Arlington MA.

I'm writing ahead of the Nov 19th vote to urge you to demand a better solution for our waterways in Arlington, Somerville, Cambridge and Boston.

People seek out towns and cities with waterways because they are beautiful, support wildlife and offer opportunities for recreation. We're so lucky to have the Mystic, and it is our duty to take care of it.

The proposal put forward for vote falls far short of what we should expect of ourselves in 2025 when we understand the impacts of our actions on the waterways we live by. We must do more to reduce CSOs as the number of severe storm events increases due to Climate Change.

I walk and bike on the Alewife Brook path. I've seen it flooded and I know what that floodwater is. I also sail on the Charles river, a sport my 8 year old just took up this past summer. I was able to take him through my job at MIT to use their sailing pavilion. I felt so lucky, giving him this experience, and I hate to think that the next generation of kids could be taught that it's ok to treat the environment with so little regard.

We need a plan that reduces CSOs and engineers our home for the future. We can't kick the can down the sewage-filled road any more. Please vote no.

Kirsty Bennett
Arlington, MA

[EXTERNAL] Reject Recommendation to Allow Increased Sewage Discharges into the Mystic River Watershed

From Rob Klein <bassman990@yahoo.com>

Date Wed 11/12/2025 10:19 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>; MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>

Cc env.internet@mass.gov <env.internet@mass.gov>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

To the esteemed members of the MWRA Board of Directors,

My name is **Rob**, and I am a concerned **resident of Medford**. I am writing to you about your upcoming vote at the November 19 Board meeting on a recommendation from MWRA staff that would allow higher levels of sewage discharges into the Mystic River in the future. As a deeply concerned citizen who cares about the health of the Mystic River watershed, I strongly urge you to **reject this recommendation**.

This issue impacts me and my family personally every single day. I have a young family, and we recreate around the Mystic almost every day—from walking the paths to enjoying the green spaces and parks along the shore. As our family grows and we look for another home in the area, **access to a clean and inviting Mystic River and its associated green spaces and parks is going to be a key, non-negotiable concern** in our decision-making. We rely on these waterways and green spaces for our quality of life.

I have serious concerns about my family's health and the health of my neighbors who come into contact with untreated sewage every time the system overflows. Allowing sewage into the places where children play and people walk and fish is unacceptable.

I am dismayed to see that city and MWRA staff are recommending a plan for the Mystic River and Alewife Brook that would not only reduce the least amount of sewage discharges into the Mystic River, but would allow the **increase in the volume of discharges in coming years**, thanks to the larger storms from climate change.

We need a better plan than this—one that targets the highest level of CSO control. Goal is to send per this request: **COMBINED SEWER OVERFLOWS**.

Say no to sewage pollution. Tell our leaders that you demand a clean Alewife Brook and a Mystic River that is healthy now and in the future! Please note that this is a time-sensitive issue and must be submitted by **November 13**.

Sincerely,

Rob Medford Resident

[EXTERNAL] Reject MWRA's CSO Proposal for the Mystic, Alewife, and Charles on Nov. 19

From Robert Saoud <rsaoud@hotmail.com>

Date Wed 11/12/2025 7:49 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

Cc MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>; env.internet@mass.gov <env.internet@mass.gov>

[Some people who received this message don't often get email from rsaoud@hotmail.com. Learn why this is important at <https://aka.ms/LearnAboutSenderIdentification>]

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board of Directors,

My name is Robert Saoud and I am a resident of Woburn

I am writing to you about your upcoming vote at the November 19 Board meeting on a recommendation from MWRA staff that would allow higher levels of sewage discharges into the Mystic River in the future. As a concerned citizen who cares about the health of the Mystic River watershed, I strongly urge you to reject this proposal.

I bring friends to on the Alewife Brook path to relax and destress. I am concerned the vegetation and wildlife will be affected.

I am dismayed to see that city and MWRA staff are recommending a plan for the Mystic River and Alewife Brook that would not only reduce the least amount of sewage discharges into the Mystic River, but would allow the increase in the volume of discharges in coming years, thanks to the larger storms from climate change.

We need a better plan than this — one that targets the highest level of CSO control.

Sincerely,

Robert Saoud

[EXTERNAL] Reject MWRA's CSO Proposal for the Mystic, Alewife, and Charles on Nov. 19

From Virginia Bove <vcbove@yahoo.com>

Date Wed 11/12/2025 4:49 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

Cc MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>; env.internet@mass.gov <env.internet@mass.gov>

[You don't often get email from vcbove@yahoo.com. Learn why this is important at <https://aka.ms/LearnAboutSenderIdentification>]

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board of Directors,

My name is XXX, and I am a resident of XXX.

I am writing to you about your upcoming vote at the November 19 Board meeting on a recommendation from MWRA staff that would allow higher levels of sewage discharges into the Mystic River in the future. As a concerned citizen who cares about the health of the Mystic River watershed, I strongly urge you to reject this recommendation.

[MENTION HOW THIS IMPACTS YOU AND YOUR PERSONAL EXPERIENCE]

Ex: I regularly paddle on the Mystic River; I bring my children to the river to fish; I walk to work every day on the Alewife Brook path.

[MENTION ANY CONCERNS YOU HAVE ABOUT YOUR HEALTH AND THE HEALTH OF FAMILY, FRIENDS, AND NEIGHBORS, WHO COME INTO CONTACT WITH UNTREATED SEWAGE]

I am dismayed to see that city and MWRA staff are recommending a plan for the Mystic River and Alewife Brook that would not only reduce the least amount of sewage discharges into the Mystic River, but would allow the increase in the volume of discharges in coming years, thanks to the larger storms from climate change.

We need a better plan than this — one that targets the highest level of CSO control.

Sincerely,
XXX

Sent from my iPad

[EXTERNAL] Oppose CSO Proposal - Protect Charles River

From Alex Barat <alexjbarat@gmail.com>

Date Thu 11/13/2025 3:49 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

As a rower on the Charles River, I care deeply about protecting this vital waterway and the Head of the Charles Regatta it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

The Charles River's health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting this resource is essential for athletes, spectators, local businesses, and the entire Boston community.

Thousands of rowers, including children as young as 11 and masters athletes in their 90s, train on the Charles River year-round. We get splashed with water during every rowing session, and water drips onto us when we lift boats out of the water. When CSO overflows occur, that water contains raw sewage. No one should train in sewage-contaminated water, especially children. This is a public health crisis unworthy of a world-class city.

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Alex Barat

Boston Resident

Member, Riverside Boat Club

[EXTERNAL] STOP CSOs

From Alice Whitehill Wiseberg <awiseberg@yahoo.com>
Date Thu 11/13/2025 11:54 AM
To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

As a rower and kayaker on the Charles River, I care deeply about protecting this vital waterway and the wide variety of recreational activities it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

The Charles River's health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting this resource is essential for athletes, spectators, local businesses, and the entire Boston community.

Thousands of rowers, canoers, and kayakers, including young children and seniors in their 90s, use the Charles River. We get splashed with water and water drips on us. When CSO overflows occur, that water contains raw sewage. No one should have to do a water sport in sewage-contaminated water, especially children, seniors, and others with autoimmune disorders. This is a public health crisis unworthy of a world-class city.

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Alice Wiseberg
80 Antrim St
Cambridge, MA 02139

[EXTERNAL] No sewage in the Charles

From Andy Breeding <andy.breeding@gmail.com>

Date Thu 11/13/2025 9:22 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

To the MRWA Board,

As a Boston resident who lives in the Charles River watershed and who enjoys using the Charles River I am disturbed to hear the MWRA is proposing to enable sewage dumping in the Charles in perpetuity. I urge you to vote NO on that proposal. Thank you for listening.

Best wishes,
Andy Breeding

--

Andy Breeding
617-974-2468 (text or call)

[EXTERNAL] Oppose CSO Proposal - Protect Charles River

From August Felső <augustfelso@gmail.com>

Date Thu 11/13/2025 11:40 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

You don't often get email from augustfelso@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

As a rower on the Charles River, I care deeply about protecting this vital waterway and the Head of the Charles Regatta it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

The Charles River's health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting this resource is essential for athletes, spectators, local businesses, and the entire Boston community.

Thousands of rowers, including children as young as 11 and masters athletes in their 90s, train on the Charles River year-round. We get splashed with water during every rowing session, and water drips onto us when we lift boats out of the water. When CSO overflows occur, that water contains raw sewage. No one should train in sewage-contaminated water, especially children. This is a public health crisis unworthy of a world-class city.

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,
August

[EXTERNAL] Oppose CSO Proposal - Protect Charles River

From Cecilia Velander <cecibbn@gmail.com>

Date Thu 11/13/2025 4:15 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

You don't often get email from cecibbn@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

As a coxswain and rower on the Charles River, I care deeply about protecting this vital waterway and the Head of the Charles Regatta it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

The Charles River's health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting this resource is essential for athletes, spectators, local businesses, and the entire Boston community.

Thousands of rowers, including children as young as 11 and masters athletes in their 90s, train on the Charles River year-round. We get splashed with water during every rowing session, and water drips onto us when we lift boats out of the water. When CSO overflows occur, that water contains raw sewage. No one should train in sewage-contaminated water, especially children. This is a public health crisis unworthy of a world-class city.

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Cecilia

[EXTERNAL] Reject MWRA's CSO Proposal for the Mystic, Alewife, and Charles on Nov. 19

From Charlotte D <charlotterosadale@gmail.com>

Date Thu 11/13/2025 12:15 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

Cc MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>; env.internet@mass.gov <env.internet@mass.gov>

You don't often get email from charlotterosadale@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board of Directors,

My name is Charlotte Dale, and I am a resident of Cambridge, MA.

My name is Charlotte Dale, and I am a resident of Cambridge, living right next to Fresh Pond— a vital water source for our community. I am writing regarding your upcoming vote at the November 19 Board meeting on a recommendation from MWRA staff that would allow higher levels of sewage discharges into the Mystic River in the future. As a concerned citizen who cares deeply about the health of the Mystic River watershed and surrounding ecosystems, I strongly urge you to reject this recommendation.

Fresh Pond, Mystic and the nearby Alewife Brook Reservation are essential parts of my daily life. I often walk along the Alewife Brook Parkway path and spend time in the Fresh Pond Reservation to relax, connect with nature, and recharge. I have also swum in the Mystic Lakes since I was a child and volunteered in high school to clean up trash around local bodies of water. For all four years of high school, I rowed on the Charles River— an experience that deepened my connection to our waterways and my understanding of how important clean, safe rivers are to both community and ecological health.

Sewage overflows expose people and animals to dangerous contaminants such as bacteria, viruses, and industrial waste. With more intense storms due to climate change, the risk of increased Combined Sewer Overflows (CSOs) will only worsen. I worry about the long-term effects this will have on air and water quality, on pets and wildlife that drink from contaminated runoff, and on the environmental integrity of places like Fresh Pond, the Alewife Brook, and the Mystic Rivers. For those of us who live and spend time in these spaces, this is not an abstract policy issue— it directly impacts our health, quality of life, and the future of our community.

As someone who cares deeply about the environment and plans to pursue a career in biology, I find it unacceptable that our waterways remain unsafe due to outdated infrastructure and inadequate long-term solutions. I am dismayed that MWRA and city staff are recommending a plan that would allow greater sewage discharges into the Mystic River watershed, rather than striving for the highest possible level of control. We need a plan that addresses stormwater and sewage infrastructure comprehensively — one that prioritizes full separation of systems, long-term ecological sustainability, and public health over short-term convenience.

We need a better plan than this— one that targets the highest level of CSO control. Please vote no on any recommendation that would permit increased sewage discharge. Our rivers, our local animal friends, our neighborhoods, and our health deserve better.

Sincerely,
Charlotte Dale
Cambridge, MA

[EXTERNAL] Oppose CSO Proposal - Protect Charles River

From Chloë Lewis <flashlewis17@gmail.com>

Date Thu 11/13/2025 11:32 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

As a rower on the Charles River, I care deeply about protecting this vital waterway and the Head of the Charles Regatta it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

The Charles River's health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting this resource is essential for athletes, spectators, local businesses, and the entire Boston community.

Thousands of rowers, including children as young as 11 and masters athletes in their 90s, train on the Charles River year-round. We get splashed with water during every rowing session, and water drips onto us when we lift boats out of the water. When CSO overflows occur, that water contains raw sewage. No one should train in sewage-contaminated water, especially children. This is a public health crisis unworthy of a world-class city.

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Chloë E. Lewis

--

Chloë Lewis

She/her

M.S. Nutrition & Dietetics, '24

Sports Nutrition Certificate

Simmons University

[EXTERNAL] Opposing CSO proposal - protect Charles River!

From Cindy Larson <clarson@centrepontarchitects.com>
Date Thu 11/13/2025 11:22 AM
To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

You don't often get email from clarson@centrepontarchitects.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

As a rower on the Charles River, I care deeply about protecting this vital waterway and the Head of the Charles Regatta it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

The Charles River's health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting this resource is essential for athletes, spectators, local businesses, and the entire Boston community.

Thousands of rowers, including children as young as 11 and masters athletes in their 90s, train on the Charles River year-round. We get splashed with water during every rowing session, and water drips onto us when we lift boats out of the water. When CSO overflows occur, that water contains raw sewage. No one should train in sewage-contaminated water, especially children. This is a public health crisis unworthy of a world-class city.

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Cindy Larson
Riverside Boat Club

Centrepont Architects LLC
561 Windsor Street B301
Somerville MA 02143

617.718.9707

clarson@centrepontarchitects.com

www.centrepontarchitects.com

[EXTERNAL] Please reject current CSO project proposal on Nov 19

From David Brick <davidebrick@gmail.com>

Date Thu 11/13/2025 10:42 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

You don't often get email from davidebrick@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Hello members of the MWRA Board of Directors,

I'm a resident of Brookline and I care deeply about the health of the Charles River and the tremendous amount of life, including human life, that depends on it. I hope you'll reject MWRA's current CSO project proposal at the next board meeting.

To continue to allow sewage overflows into the river is harmful to us, our children and future generations, wildlife, and our environment. While it may look like the cheaper option on paper, that is only because it is kicking into the future and forcing others to bear the true, vast costs of dumping sewage into our waterways. Please prioritize the strongest possible pollution controls to ensure that the Charles is clean and safe for humans and other life. Please vote no on November 19.

Thank you,
David Brick
Brookline, MA

[EXTERNAL] Oppose CSO Proposal - Protect Charles River

From Erin O'Connell <erin5max@yahoo.com>

Date Thu 11/13/2025 11:52 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

As a rower on the Charles River, I care deeply about protecting this vital waterway and the Head of the Charles Regatta it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

The Charles River's health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting this resource is essential for athletes, spectators, local businesses, and the entire Boston community.

Thousands of rowers, including children as young as 11 and masters athletes in their 90s, train on the Charles River year-round. We get splashed with water during every rowing session, and water drips onto us when we lift boats out of the water. When CSO overflows occur, that water contains raw sewage. No one should train in sewage-contaminated water, especially children. This is a public health crisis unworthy of a world-class city.

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Erin O'Connell

[EXTERNAL] Oppose CSO Proposal - Protect Charles River

From Frederique Bienfait <lfbienfait@gmail.com>

Date Thu 11/13/2025 11:21 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

You don't often get email from lfbienfait@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

As a rower on the Charles River, I care deeply about protecting this vital waterway and the Head of the Charles Regatta it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

The Charles River's health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting this resource is essential for athletes, spectators, local businesses, and the entire Boston community.

Thousands of rowers, including children as young as 11 and masters athletes in their 90s, train on the Charles River year-round. We get splashed with water during every rowing session, and water drips onto us when we lift boats out of the water. When CSO overflows occur, that water contains raw sewage. No one should train in sewage-contaminated water, especially children. This is a public health crisis unworthy of a world-class city.

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Frédérique Bienfait, MD

[EXTERNAL] "Oppose CSO Proposal - Protect Charles River"

From Janice Bickley <janicebickley@gmail.com>

Date Thu 11/13/2025 2:02 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

You don't often get email from janicebickley@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

As a rower on the Charles River, I care deeply about protecting this vital waterway and the Head of the Charles Regatta it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

The Charles River's health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting this resource is essential for athletes, spectators, local businesses, and the entire Boston community.

Thousands of rowers, including children as young as 11 and masters athletes in their 90s, train on the Charles River year-round. We get splashed with water during every rowing session, and water drips onto us when we lift boats out of the water. When CSO overflows occur, that water contains raw sewage. No one should train in sewage-contaminated water, especially children. This is a public health crisis unworthy of a world-class city.

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

[EXTERNAL] Resounding REJECTION of MWRA's new CSO proposal

From Jean Devine <jmdevine09@gmail.com>

Date Thu 11/13/2025 10:50 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

You don't often get email from jmdevine09@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board of Directors,

In my Biodiversity Builders' six-week summer program 15 high school and 2 college youth (from Arlington, Belmont, and Cambridge) earn a paycheck while learning how to create, and advocate for, healthy ecosystems using native plants. Their operational base is a teaching garden in Alewife Reservation, just a stone's throw from two still-open CSOs. We tour and smell these discharge areas while discussing the challenges of managing stormwater and the possibilities for installing green infrastructure (riparian-edge gardens) to absorb and filter stormwater. We also kayak along the Charles River, yet in the past three summers, we have either postponed or cancelled our kayaking day due to high bacteria levels in the Lower Basin.

Commingling stormwater with sewage and other pollutants, then dumping this into the Charles River is wrong.

Because the students and I want to do what is right for our communities and for our watershed, and for all our neighbors downstream, we have joined a coalition of environmental groups, led by Save the Alewife Brook and the Mystic River Watershed Association, to advocate for closing the CSOs.

It's devastating to hear that the MWRA is now contemplating a new CSO proposal that would allow sewage to keep flowing into the Charles River for decades to come. Clean water is a human right. All life, not just humans, depends upon clean water. Insects, amphibians, birds and mammals can't advocate for healthy ecosystems, but politicians, activists, citizens, students, and other stakeholders can! We have worked too hard to restore this river to now throw in the towel and allow this to happen. Please reject this proposal on November 19 and demand a plan that fully eliminates CSO discharges. The Greater Boston Community deserves a river that's clean, safe, and swimmable—no excuses.

Sincerely,

Jean M. Devine
Executive Director, Biodiversity BuildersSMYouth Program
Chief Seed Sower, Devine Native Plantings, LLC
www.devinenativeplantings.com
617-947-6256

Nature-based solutions for pollinators, people and our planet

[EXTERNAL] No to more sewage dumping

From Jennifer and Kyle Angstadt <beaudin.angstadt@gmail.com>

Date Thu 11/13/2025 1:06 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

[You don't often get email from beaudin.angstadt@gmail.com. Learn why this is important at <https://aka.ms/LearnAboutSenderIdentification>]

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

We respectfully ask the MWRA Board Members to stop dumping sewage into the Charles River.

Our daughters, age 12 and 16, sail every summer on the Charles River with Community Boating. They have learned, first hand, what it means to have sewage dumped into the beautiful Charles River. While Community Boating is giving them the opportunity to gain skills and courage, they also have to contend with the awful knowledge that if they capsize or even just get splashed following a CSO event, they are at increased health risk.

They are choosing to be on the river. How about the many people who live or work near the river? Recent research is connecting algal blooms with Alzheimer's type brain damage in marine life, which gives one reason to believe it can affect humans this way too. This is ridiculous when we have the opportunity to have a clean and beautiful freshwater river winding through our communities.

As we walk our 5 year old along the river to get to the Museum of Science, she can see very clearly the toxic algal blooms lapping against the shore following a CSO event. This is not one day, but weeks and weeks in the summer. We wonder what could survive there, starved of oxygen.

My daughters have read about the history of the MWRA and know you have done so much to clean the river, clean the harbor, make it possible for us to have safe cities, safe recreation, and a resurgence of our beloved and much needed wildlife.

We ask you to consider their future, consider all of our future. We want Boston to be a bright beautiful sustainable city that works with nature and not against it.

Please roundly reject this proposed plan and keep us safe.

Thank you,

Jennifer and Kyle Angstadt

352 School Street

Watertown, MA 02472

[EXTERNAL] Oppose CSO Proposal - Protect Charles River

From Jennifer Firreno <jenfirreno@gmail.com>

Date Thu 11/13/2025 12:00 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

You don't often get email from jenfirreno@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

As a rower on the Charles River, I care deeply about protecting this vital waterway and the Head of the Charles Regatta it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

The Charles River's health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting this resource is essential for athletes, spectators, local businesses, and the entire Boston community. It's one of the things that makes Boston special. Rowing on the Charles is something that never gets old for me. I wish all Boston area residents had the opportunity to enjoy the city from the river that I do. It's a resource that belongs to us all and should be cared for as such.

Thousands of rowers, including children as young as 11 and masters athletes in their 90s, train on the Charles River year-round. We get splashed with water during every rowing session, and water drips onto us when we lift boats out of the water. When CSO overflows occur, that water contains raw sewage. No one should train in sewage-contaminated water, especially children. This is a public health crisis unworthy of a world-class city.

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Jennifer K. Firreno

[EXTERNAL] Stop dumping raw sewage into the Charles

From GabbyandJerry Zadow <gabyandjerry@gmail.com>

Date Thu 11/13/2025 12:51 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

You don't often get email from gabyandjerry@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

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Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Jerry Zadow

[EXTERNAL] You must reject the MWRA project proposal on Nov. 19

From J E <JE5502014@outlook.com>

Date Thu 11/13/2025 3:05 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

You don't often get email from je5502014@outlook.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board,

I'm writing to urge you to oppose MWRA's recently proposed CSO project, which would allow sewage discharges to continue in the Charles River for years to come. This is unacceptable—The Charles deserves full protection and the highest level of CSO control. Please vote NO on this proposal at the November 19 board meeting and demand a plan that achieves a truly clean, swimmable river.

Jessie M. English, PhD
Cambridge MA

[EXTERNAL] Oppose CSO Proposal- protect Charles river

From Jillian Zieff <jfzieff@gmail.com>

Date Thu 11/13/2025 11:53 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

You don't often get email from jfzieff@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

As a rower on the Charles River, I care deeply about protecting this vital waterway and the Head of the Charles Regatta it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

The Charles River's health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting this resource is essential for athletes, spectators, local businesses, and the entire Boston community.

Thousands of rowers, including children as young as 11 and masters athletes in their 90s, train on the Charles River year-round. We get splashed with water during every rowing session, and water drips onto us when we lift boats out of the water. When CSO overflows occur, that water contains raw sewage. No one should train in sewage-contaminated water, especially children. This is a public health crisis unworthy of a world-class city. I recently had severe shiga poisoning and I feel strongly it was from being exposed to the dirty water.

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Jillian

[EXTERNAL] Oppose CSO Proposal - Protect Charles River

From John Steinberg <jsteinberg0425@gmail.com>

Date Thu 11/13/2025 12:25 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

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Sincerely,

John

John Steinberg | Mobile: (425) 829-0243 | Email: jsteinberg0425@gmail.com

[EXTERNAL] Oppose CSO Proposal!!!

From John Tracey <riversculler@gmail.com>

Date Thu 11/13/2025 11:36 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

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Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

John Tracey
Riverside Boat Club
Cambridge Massachusetts

[EXTERNAL] Oppose CSO Proposal - Protect Charles River

From Kate Evenson <kate.evenson2@gmail.com>

Date Thu 11/13/2025 11:19 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

You don't often get email from kate.evenson2@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

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Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Kate

[EXTERNAL] Oppose CSO Proposal - Protect Charles River

From Graham, Kerry (BIDMC - OrthoMSMU -TCC) <kgraham1@bidmc.harvard.edu>

Date Thu 11/13/2025 12:19 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

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Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Kerry Graham



PLEASE NOTE: This message is intended for the use of the person to whom it is addressed. It may contain information that is privileged, confidential and exempt from disclosure under applicable law. If you are not the intended recipient, your use of this message for any purpose is strictly prohibited. If you have received this communication in error, please delete the message and notify the sender so that we may correct our records. See our web page at <http://www.bilh.org> for a full directory of Beth Israel Lahey Health sites, staff, services and career opportunities.

[EXTERNAL] Oppose CSO Proposal - Protect Charles River

From Kiely MacMahon <kielysmac@gmail.com>

Date Thu 11/13/2025 11:29 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

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Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Kiely MacMahon

[EXTERNAL] Oppose CSO Proposal - Protect Charles River

From Kris Collins <kris_collinsny@yahoo.com>

Date Thu 11/13/2025 11:31 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

You don't often get email from kris_collinsny@yahoo.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

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Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Kris Collins

[EXTERNAL] Please vote no on proposed sewage overflow plan

From Laura Spark <lspark@cleanwater.org>

Date Thu 11/13/2025 1:57 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

Cc Cynthia Mendes <cmendes@cleanwater.org>; Elizabeth Saunders <esaunders@cleanwater.org>; Cindy Luppi <cluppi@cleanwater.org>

You don't often get email from lspark@cleanwater.org. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dea Ms. MacDougall:

I am writing to ask the MWRA Board to reject a proposal to increase sewage releases from combined sewage overflow to the Charles River. One reason to reject this proposal is an increasing body of peer-reviewed research showing an association between amyotrophic lateral sclerosis (ALS) and water sports. Research also shows an association between ALS and exposure to raw water.

This research, some of which is summarized [here](#), indicates that likely exposure to toxics in water, particularly total nitrogen, cyanobacteria and BMAs, are associated with ALS clusters world-wide, including clusters in New England.

See: <https://www.sciencedirect.com/science/article/abs/pii/S0048969725006679>.

These specific toxics are of course associated with sewage sludge.

[State prevalence data from 2011-18 shows the proportion of residents in each state who are living with ALS](#). Massachusetts has the 4th highest age-adjusted prevalence of ALS.

In [one small New Hampshire study](#), participation in water sports, including kayaking, boating, water skiing, was positively correlated with statistically significant increases in ALS. Researchers postulated that aerosolized water particles were likely the cause of contact with toxics in water.

A number of studies have made an association between residence near water bodies contaminated with cyanobacteria and increased ALS incidence although at least one study has not found a correlation.

People, including many high school and college athletes, row, kayak and sail on the Charles. My 23-year-old daughters rowed on the Charles for six years members of the Boston Latin School rowing team.

As their mom and as the student of Rosemary Grimshaw, a MIT professor and Cambridge resident who died of ALS, I find the studies on ALS and toxics in water bodies to be of concern. I strongly urge the MWRA Board to vote no on the proposal to allow increased sewage outflows to the Charles.

While more research is always needed, there is a correlation between poor water quality and the

development of this devastating disease. The specific water quality issues associated with ALS are those caused or exacerbated by sewage releases into water bodies.

The Charles River is the symbol of Boston worldwide. It is also a river that attracts high school and college athletes who regularly participate in water sports. It would be wrong for the MWRA to take any action that would contribute to the further degradation of the river's water quality and possible increases in this devastating disease among people who live or have lived in Massachusetts.

Laura Spark (she/her/hers)
Environmental Health Program Director
Clean Water Action/Clean Water Fund

40 Court Street, 6th floor
Boston, MA 02124

lspark@cleanwater.org

Cell phone: 617-637-7152

[Website](#) | [Facebook](#) | [Twitter](#) | [Instagram](#)



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[EXTERNAL] Discharges to the Charles

From Leo Martin <lgm683@gmail.com>

Date Thu 11/13/2025 11:56 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

Cc Emily Norton <enorton@crwa.org>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

To The MWRA Board of Directors,

The MWRA has come a long way in cleaning up the Harbor and its tributaries. Back in the nineties, the goal was to get the major sources first and then get to the smaller more difficult sources of the combined discharges. The Authority has now reached the more difficult and expensive discharge points. The goal should as it always has been to clean the harbor and its tributaries. That goal has not be attained. Please don't stop.

Sincerely,

Leo Martin

[EXTERNAL] Oppose CSO Proposal - Protect Charles River

From Liane Douglas <liane.douglas@riversideboatclub.com>

Date Thu 11/13/2025 2:27 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

You don't often get email from liane.douglas@riversideboatclub.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

As a rower on the Charles River, I care deeply about protecting this vital waterway and the Head of the Charles Regatta it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

The Charles River's health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting this resource is essential for athletes, spectators, local businesses, and the entire Boston community.

Thousands of rowers, including children as young as 11 and masters athletes in their 90s, train on the Charles River year-round. We get splashed with water during every rowing session, and water drips onto us when we lift boats out of the water. When CSO overflows occur, that water contains raw sewage. No one should train in sewage-contaminated water, especially children. This is a public health crisis unworthy of a world-class city.

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Liane Douglas

[EXTERNAL] Oppose CSO Proposal - Protect Charles River

From Matthias Fischer <mfischer1015@gmail.com>

Date Thu 11/13/2025 3:19 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

You don't often get email from mfischer1015@gmail.com. [Learn why this is important](#)

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Sincerely,

Matthias

[EXTERNAL] CSO proposal

From Megan Callahan <megan_callahan@hotmail.com>

Date Thu 11/13/2025 3:49 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

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Dear MRWA Board of Directors,

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Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Megan Callahan

And on behalf of my daughter and second generation Charles rower, Madelyn Jurga

Get [Outlook for iOS](#)

[EXTERNAL] Oppose CSO Proposal - Protect Charles River

From mikerichbach@verizon.net <mikerichbach@verizon.net>

Date Thu 11/13/2025 1:59 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

[You don't often get email from mikerichbach@verizon.net. Learn why this is important at <https://aka.ms/LearnAboutSenderIdentification>]

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

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As a rower on the Charles River, I care deeply about protecting this vital waterway and the Head of the Charles Regatta it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

The Charles River's health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting this resource is essential for athletes, spectators, local businesses, and the entire Boston community.

Thousands of rowers, including children as young as 11 and masters athletes in their 90s, train on the Charles River year-round. We get splashed with water during every rowing session, and water drips onto us when we lift boats out of the water. When CSO overflows occur, that water contains raw sewage. No one should train in sewage-contaminated water, especially children. This is a public health crisis unworthy of a world-class city.

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,
Michael Richardson-Bach
60 Bennett Rd
Marblehead MA

[EXTERNAL] Charles River

From Nick King <nick46king@gmail.com>

Date Thu 11/13/2025 9:26 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

[You don't often get email from nick46king@gmail.com. Learn why this is important at <https://aka.ms/LearnAboutSenderIdentification>]

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

To the MWRA board,

Please vote NO next week on the proposal to let sewage overflows continue in the Charles River. It's past time to eliminate all CSOs and make the Charles swimmable again.

Thank you in advance.

Nick King

Nick King
781-635-6499

[EXTERNAL] Oppose CSO Proposal - Protect Charles River

From Pete Morelli <pbmorell@gmail.com>

Date Thu 11/13/2025 11:42 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

As a rower on the Charles River, I care deeply about protecting this vital waterway and the Head of the Charles Regatta it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

The Charles River's health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting this resource is essential for athletes, spectators, local businesses, and the entire Boston community.

Thousands of rowers, including children as young as 11 and masters athletes in their 90s, train on the Charles River year-round. We get splashed with water during every rowing session, and water drips onto us when we lift boats out of the water. When CSO overflows occur, that water contains raw sewage. No one should train in sewage-contaminated water, especially children. This is a public health crisis unworthy of a world-class city.

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,
Pete Morelli

[EXTERNAL] Reject MWRA's CSO Proposal for the Mystic, Alewife, and Charles on Nov. 19

From Rachel DeLucas <rdelucas@gmail.com>

Date Thu 11/13/2025 3:33 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

Cc MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>; env.internet@mass.gov <env.internet@mass.gov>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board of Directors,

My name is Rachel DeLucas, and I am a MA resident living on Seagrave Road, Cambridge.

I am writing to you about your upcoming vote at the November 19 Board meeting on a recommendation from MWRA staff that would allow higher levels of sewage discharges into the Mystic River in the future. As a concerned citizen who cares about the health of the Mystic River watershed, I STRONGLY urge you to reject this recommendation.

I live within STEPS of 2 of the alewife brook CSOs along with my family, including my two young sons (10 and 5yo). It is absolutely unfathomable how our well-resourced state and local governments can come to the conclusion that a plan to simply continuing to dump RAW SEWAGE into a river steps from my home and pushing any chance of meaningful action to 50+ years in the future. My family walks along the Alewife Reservation trail almost every weekend and see the negative impact of these releases on the quality of the watershed there.]

I live in a FEMA designated flood zone and will be massively contaminated if a big flood sweeps raw sewage alongside the floodwaters into my home.

I am dismayed to see that city and MWRA staff are recommending a plan for the Mystic River and Alewife Brook that would not only reduce the least amount of sewage discharges into the Mystic River, but would allow the increase in the volume of discharges in coming years, thanks to the larger storms from climate change.

We need a better plan than this — one that targets the highest level of CSO control.

Sincerely,
Rachel DeLucas

[EXTERNAL] Oppose CSO Proposal - Please Protect The Charles River!

From A A Ragan McNeely <mcneely@mac.com>

Date Thu 11/13/2025 4:11 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

As a kid who grew up playing, walking, biking, rollerblading and boating along the Charles River, I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

More recently, as a rower on the Charles River, I care deeply about protecting this vital waterway and the Head of the Charles Regatta it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

The Charles River's health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting this resource is essential for athletes, spectators, local businesses, and the entire Boston community.

Thousands of rowers, including children as young as 11 and masters athletes in their 90s, train on the Charles River year-round. We get splashed with water during every rowing session, and water drips onto us when we lift boats out of the water. When CSO overflows occur, that water contains raw sewage. No one should train in sewage-contaminated water, especially children. This is a public health crisis unworthy of a world-class city!

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Ragan McNeely
617-610-3249

15 Penny Lane,
North Easton, MA 02356

I grew up on Beacon Hill my first 25 years, then lived in Cambridge 30 years more, rowing at CRI and RBC and competed in the HOCR 4 years

[EXTERNAL] URGENT: Stronger CSO control critical for health of marginalized residents

From Sarah Kacevich <sarah.kacevich@gmail.com>

Date Thu 11/13/2025 1:07 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>; MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>

Cc env.internet@mass.gov <env.internet@mass.gov>; steven.owens@mahouse.gov <steven.owens@mahouse.gov>; William.Brownsberger@masenate.gov <William.Brownsberger@masenate.gov>

You don't often get email from sarah.kacevich@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board and Staff, Rep. Owens, and Senator Brownsberger,

My name is Sarah Kacevich, I'm a resident of Watertown. I am writing to you about your upcoming vote at the November 19 Board meeting on a recommendation from MWRA staff that would allow **higher levels of sewage discharges into the Mystic and Charles Rivers in the future**. As an educator who deeply cares about the health of the Mystic and Charles watersheds and their human communities, **I strongly urge you to reject this recommendation.**

For many years, through 2024, I worked with children literally along the banks of the Mystic River in Somerville through environmental education programs. Like children anywhere, youth from the Mystic housing development and nearby schools were curious about trash that washed ashore. They would fish trash out of the shallow water, **putting them at risk for accidentally consuming water contaminated by sewage discharge**. I also kayak with youth and personally on the Mystic and Charles. On the days when the City of Somerville announced a CSO event following a storm, **we had to avoid taking youth to the river**, denying them a vital educational and recreational opportunity. How did I know when there was a CSO event? Because I have enough privilege to have known to sign up for emergency alerts from the City, and what a CSO event is to begin with. But many of the youth that I worked with came from **Black and Brown families with low income that were learning English and had immigrated** to Somerville from other countries. I worry that outreach doesn't gotten to them because of social and technical barriers; that they had no idea about these CSO alerts. **What will happen when CSO events become even *more frequent* than they already are (as they certainly will as climate change worsens)?** And when Black, Brown, low-income, and immigrant families have no idea CSO events are happening? **The MWRA's recommendation is undeniably an act of environmental injustice and racism.**

If the recommendation passes, I will not hesitate to call out MWRA publicly for knowingly worsening existing conditions. **We know how to do better and we must.** As a lifelong MA resident, I am proud

of our past advances in health equity and environmental restoration. **I am deeply disappointed in MWRA's recommendation and I urge you to do everything in your power to make a different choice that will instead guide our communities toward health, justice, and inclusion. Human lives are worth the money it takes to control CSOs.** As the federal administration continues to terrorize immigrants and folks with low income, we need to **do everything we can to ensure the safety of our vulnerable residents--including making sure their watershed is safe.**

Thank you for your consideration.

Best, Sarah Kacevich
Watertown, MA

--

Sarah Kacevich (she/her)

Sarah.Kacevich@gmail.com

Connect with me on [LinkedIn](#)

[EXTERNAL] Petition against sewage continuing to be dumped into the Charles

From Serena B <sernblacklow3@gmail.com>

Date Thu 11/13/2025 9:33 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

You don't often get email from sernblacklow3@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

To the MWRA Board Members:

Please reject MWRA's proposal on Nov. 19 and protect the Charles River. I coach rowers on the Charles River and it is sad to see the high level of pollution in the water, especially after it rains. As someone who grew up in Cambridge and cares deeply about the health of the Charles River, I'm urging you to reject the CSO project proposal. We need a project that actually controls pollution so the Charles is clean and safe for everyone, including the young children, older adults, and athletes who are immunocompromised rowing on the river.

Please vote no on November 19 and stand up for a swimmable river!

Sincerely,

Serena

--

Serena Blacklow

she/her/hers

sernblacklow3@gmail.com

[EXTERNAL] CSO Overflows

From Shannon A <1shanames@gmail.com>
Date Thu 11/13/2025 12:58 PM
To MacDougall, Kristin <Kristin.MacDougall@mwra.com>
Cc Shannon Ames <sbja14@gmail.com>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River, Mystic River and Alewife Brook for decades to come. These rivers deserve full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

As a rower on the Charles River, I care deeply about protecting this vital waterway and the Head of the Charles Regatta it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

I am also a rower and kayaker on the Mystic River. These Rivers' health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting these resources is essential for local communities, athletes, spectators, local businesses, and the entire Boston community.

Thousands of rowers, including children as young as 11 and masters athletes in their 90s, train on the Charles River year-round. We get splashed with water during every rowing session, and water drips onto us when we lift boats out of the water. When CSO overflows occur, that water contains raw sewage. No one should train in sewage-contaminated water, especially children. This is a public health crisis unworthy of a world-class city.

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River, the Mystic River, and Alewife Brook are vital natural and economic resources, and they deserve our full commitment to restoration and protection.

Sincerely,

Shannon Ames
Riverside member, MyRWA member

--

Shannon Ames (she/her)

1shanames@gmail.com

617.501.3428

"Art is not a luxury as many people think – it is a necessity. It documents history – it helps educate people and stores knowledge for generations to come." –

Dr. Samella Lewis

[EXTERNAL] Oppose CSO Proposal - Protect Charles River

From T C <tcarney888@gmail.com>

Date Thu 11/13/2025 11:32 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

You don't often get email from tcarney888@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

As a rower on the Charles River, I care deeply about protecting this vital waterway and the Head of the Charles Regatta it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

The Charles River's health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting this resource is essential for athletes, spectators, local businesses, and the entire Boston community.

Thousands of rowers, including children as young as 11 and masters athletes in their 90s, train on the Charles River year-round. We get splashed with water during every rowing session, and water drips onto us when we lift boats out of the water. When CSO overflows occur, that water contains raw sewage. No one should train in sewage-contaminated water, especially children. This is a public health crisis unworthy of a world-class city.

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Tricia Carney

[EXTERNAL] CSO project

From wdavidlee@gmail.com <wdavidlee@gmail.com>

Date Thu 11/13/2025 3:06 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

You don't often get email from wdavidlee@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

As a rower on the Charles River, I care deeply about protecting this vital waterway and the Head of the Charles Regatta it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

The Charles River's health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting this resource is essential for athletes, spectators, local businesses, and the entire Boston community.

Thousands of rowers, including children as young as 11 and masters athletes in their 90s, train on the Charles River year-round. We get splashed with water during every rowing session, and water drips onto us when we lift boats out of the water. When CSO overflows occur, that water contains raw sewage. No one should train in sewage-contaminated water, especially children. This is a public health crisis unworthy of a world-class city.

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

W. David Lee

[EXTERNAL] Oppose CSO Proposal - Protect Charles River

From zola solamente <zolasolamente@hotmail.com>

Date Thu 11/13/2025 11:26 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

As a rower on the Charles River, I care deeply about protecting this vital waterway and the Head of the Charles Regatta it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

The Charles River's health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting this resource is essential for athletes, spectators, local businesses, and the entire Boston community.

Thousands of rowers, including children as young as 11 and masters athletes in their 90s, train on the Charles River year-round. We get splashed with water during every rowing session, and water drips onto us when we lift boats out of the water. When CSO overflows occur, that water contains raw sewage. No one should train in sewage-contaminated water, especially children. This is a public health crisis unworthy of a world-class city.

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Zola Solamente

Member of Riverside Boat Club, Cambridge, MA

Owner of Arden Gallery, Boston, MA



Additional Correspondence to the Board

MWRA Board of Directors Meeting, November 19, 2025

- November 13, 2025 – Letter from Diane M. Mahon, Chair, Arlington Select Board
- November 14, 2025 – Letter from Newton City Councilors Marc Laredo, David Kalis, Stephen Farrell, Leonard Gentile, Rena Getz, Maria Greenberg, Bill Humphrey, Alison Leary, Rick Lipof, Tarik Lucas, Julia Malakie, David Micley, John Oliver, Pam Wright
- November 13, 2025 – Emails from Achilleas A. Dorotheou, James Hammitt
- November 14, 2025 – Emails from Bradford Johnson, Chris Stivers, Robert Kearns
- November 15, 2025 – Emails from Frédérique Bienfait, MD, Sandy Huckleberry
- November 17, 2025 – Email from Joseph Su

OFFICE OF THE SELECT BOARD

DIANE M. MAHON, CHAIR
JOHN V. HURD, VICE CHAIR
STEPHEN W. DECOURCEY
ERIC D. HELMUTH
JANE P MORGAN



730 MASSACHUSETTS AVENUE
TELEPHONE
781-316-3020
781-316-3029 FAX

TOWN OF ARLINGTON
MASSACHUSETTS 02476-4908

November 13, 2025

The Honorable Rebecca Tepper,
Secretary Executive Office of Energy and Environmental Affairs
100 Cambridge Street, Suite 900
Boston, MA 02114

MWRA Board of Directors
c/o Frederick Laskey, Executive Director
Massachusetts Water Resources Authority
100 First Avenue
Charlestown, MA 02129

RE: Request for Increased Investment in Alewife Brook CSO Control Long-Term Plan

Dear Secretary Tepper
and Members of the MWRA Board of Directors:

I write on behalf of the Select Board for the Town of Arlington to express our profound concern regarding the draft recommendation for the Combined Sewer Overflow (CSO) Long-Term Control Plan (LTCP) for Alewife Brook that the Massachusetts Water Resources (MWRA) Board received at its October 29, 2025 meeting (the "October Meeting").

As you know, our residents bear direct and unacceptable consequences from the existing CSO infrastructure around Alewife Brook. As a result, CSO's continue to routinely discharge raw sewage into Alewife Brook. These are not merely flows of mixed stormwater, they are discharges containing untreated human and industrial waste. This pollution directly impacts the health and usability of our public park space, most notably areas along the Brook that are intended for recreation and community enjoyment. Furthermore, during intense storm events—which are increasing in frequency—sewage flood water flows over the bank of the Brook, sending hazardous untreated sewage flood water into State parkland, into the Alewife Greenway Path, and into the homes of area residents causing damage and distress to private property

throughout our neighborhoods, some of which are designated Environmental Justice communities.

While we commend the MWRA for its past efforts to address CSO's with the long-term goal of eliminating them entirely, the recommended LTCP for Alewife Brook (AB Hybrid 2; Level of Control-O CSO discharges in 2050 Typical Year) presented at the October Meeting would make only modest, if any, progress against intense rainfall that is likely to become more prevalent in the future due to climate change. Indeed, to accept the recommended LTCP would expose Alewife Brook and its bordering communities to continued public health risks and environmental degradation, which will only worsen as precipitation patterns intensify. It is worth noting the scoring rubric for the alternatives analysis weighted more heavily both the Operations/Maintenance criterion and Community/Ancillary Benefits criterion than it did the CSO Performance-related criterion, the latter of which is the basis underlying the necessary regulatory filing.

We also note that of the twelve alternative plans presented for Alewife Brook at the October Meeting, four of the rejected plans provide a more comprehensive level of control (0 CSO discharges in a 2050 5-year, 24-hour design storm and 0 CSO discharges in a 2050 25-year, 24-hour design storm). In contrast, the recommended alternative will be designed to provide 0 CSO discharges in 2050 only for a typical year of precipitation. Unfortunately, this alternative does not reflect an adequate level of climate resilience planning and will result in the Alewife Brook experiencing the greatest number of CSO activations in the 2050 Typical Year.

Based on the foregoing, we urge the MWRA Board to direct its staff to choose or develop an alternative plan that reflects a significantly greater commitment to eliminating CSO discharges and safeguarding our community. It is our hope that an alternative plan would effectively mitigate CSOs and eliminate the discharge of raw sewage into the Brook over time.

Thank you for your continued leadership for the communities within the MWRA service territory and we look forward to a day where conditions at Alewife Brook more closely align with the Commonwealth's biodiversity goals, the overall objectives supporting the orders the U.S. District Court has issued in the Boston Harbor Cleanup cases, and the MWRA's goals of providing high quality sewer services that protect public health and promote environmental stewardship.

Sincerely,

A handwritten signature in cursive script that reads "Diane M Mahon".

Diane M. Mahon
Chair, Arlington Select Board

Received via email 11/15/25, 12:39pm

Massachusetts Water Resources Authority
Board of Directors
Via email Kristin.MacDougall@mwra.com

November 14, 2025

To the MWRA Board,

We are writing in regard to your upcoming vote at your November 19 Board meeting on a recommendation from MWRA staff that would consign the Charles River to higher levels of sewage discharges going forward.

As elected officials within the Charles River watershed, we urge you to reject this recommendation and vote NO on November 19th.

Our long term residents remember when the Boston Harbor and Charles River were lifeless and reeked of sewage. They remember the presidential campaign when George HW Bush came to Boston to embarrass Governor Dukakis for having the "most polluted harbor in America." The cleanup of the Boston Harbor is considered one of the greatest environmental achievements in our nation's history. Why did we clean it up only to turn it back into a dumping ground for sewage?

Our residents care deeply about clean water and the health of the Charles River. We are well aware that the Charles is much cleaner than it was, and MWRA is to be commended for its prior work to reduce sewage overflows. We are also aware that MWRA ratepayers, including our residents, have paid for the improvements to date, improvements we don't want to see erased.

We were surprised and dismayed to hear that of the four options under consideration for the next phase of CSO control, MWRA staff are recommending that you choose an option that *increases* the volume of discharges in coming years, and ensures sewage will forever be dumped into the Charles. This decision is being made in the dark, with many of us only learning about this in the Boston Globe or when constituents reached out to us.

Instead, we want you to communicate to the MWRA staff that you **support the highest level of CSO control**. And we vehemently oppose any attempts to downgrade the water quality standards classification of the Charles River to a Class B (CSO). This would be a disastrous result, making the status quo a river regularly polluted with sewage and unsafe for recreation and disincentivizing any future efforts to clean it up.

Let us be clear: our residents want and deserve a clean and healthy Charles River. They have invested in the cleanup to date, they want to see the job finished. They want to see the Charles safe enough for boating, they want it safe enough for swimming, they want to end the practice of using it as a sewer.

We are doing our part to clean up the Charles River by honoring our obligations and reducing

stormwater pollution under the MS4 permit. And when it comes to sewage, we are not allowed to be doing what MWRA is doing, dumping it into the river; under the MS4 permit, if we detect an illicit discharge, we are obligated to “locate, confirm the source(s), and eliminate the illicit discharge as expeditiously as possible” because “[d]ischarges from an MS4 that are mixed with an illicit discharge ... remain unlawful until eliminated.” Unlike the MWRA, we are not granted a variance from the water quality standards for decades. To see MWRA attempting to shirk its responsibilities now, after decades of investment, is not acceptable to us.

We are doing our part, we are asking you to do your part to finish the job of cleaning up the Charles River.

Sincerely,

Marc Laredo, Council President and Councilor-At-Large, Ward 7
David Kalis, Council Vice President, Councilor-At-Large, Ward 8
Stephen Farrell, Ward Councilor, Ward 8
Leonard Gentile, Councilor-At-Large, Ward 4
Rena Getz, Councilor-At-Large, Ward 5
Maria Greenberg, Councilor-At-Large, Ward 1
Bill Humphrey, Ward Councilor, Ward 5
Alison Leary, Councilor-At-Large, Ward 1
Rick Lipof, Councilor-At-Large, Ward 8
Tarik Lucas, Councilor-At-Large, Ward 2
Julia Malakie, Ward Councilor, Ward 3
David Micley, Ward Councilor, Ward 2
John Oliver, Councilor-At-Large, Ward 1
Pam Wright, Councilor-At-Large, Ward 3

CC:

DEP Commissioner Bonnie Heiple
Governor Maura Healey
Lt Governor Kim Driscoll
US Congressman Jake Auchincloss
US Senator Ed Markey
US Senator Elizabeth Warren
State Representative Amy Sangiolo
State Representative Greg Schwartz
State Representative John Lawn
State Senator Cynthia Creem

cc: The Honorable Bonnie Heiple, Commissioner, Mass. DEP
Senator Cindy F. Friedman
Representative Sean Garballey
Representative David M. Rogers

[EXTERNAL] Oppose CSO Proposal - protect Charles River

From Achilleas Dorotheou <achilleas.dorotheou@gmail.com>

Date Thu 11/13/2025 8:02 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

As a rower on the Charles River, I care deeply about protecting this vital waterway and the Head of the Charles Regatta it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

The Charles River's health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting this resource is essential for athletes, spectators, local businesses, and the entire Boston community.

Thousands of rowers, including children as young as 11 and masters athletes in their 90s, train on the Charles River year-round. We get splashed with water during every rowing session, and water drips onto us when we lift boats out of the water. When CSO overflows occur, that water contains raw sewage. No one should train in sewage-contaminated water, especially children. This is a public health crisis unworthy of a world-class city.

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Achilleas A. Dorotheou

992 Memorial Drive, Apt 606 Cambridge MA 02138

[EXTERNAL] Opposition to MWRA's current CSO project proposal

From Hammitt, James K. <jkh@hsph.harvard.edu>

Date Thu 11/13/2025 9:35 AM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

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[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

I write in opposition to MWRA's current CSO project proposal that would allow for the indefinite continuation of sewage dumping into the Charles River.

The Charles is a crown jewel of the Boston metro area providing beautiful views, outdoor space, and recreational activities to millions of residents and visitors. I have sailed, rowed, and kayaked on the Charles for more than 50 years. Of that period I have been delighted by the substantial improvements in water quality, the return of some more natural banks, and the delightful increase in wildlife. I regularly see heron and turtles, and recently even saw a bald eagle near the Mt. Auburn cemetery.

Over the decades, the region has made great progress in improving water and environmental quality in and around the Charles, greatly benefiting this miraculous city, its residents and many visitors. Now is no time to back off on the continuing improvement.

I strongly urge the board to reject MWRA's current CSO project proposal at the next board meeting.

Cordially,
James Hammitt
Professor of economics and decision sciences
Harvard TH Chan School of Public Health

[EXTERNAL] Reject MWRA's CSO Proposal for the Mystic, Alewife, and Charles on Nov. 19

From BRADFORD JOHNSON <bradfordjohnson1@me.com>

Date Fri 11/14/2025 8:43 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

Cc MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>; env.internet@mass.gov <env.internet@mass.gov>

[You don't often get email from bradfordjohnson1@me.com. Learn why this is important at <https://aka.ms/LearnAboutSenderIdentification>]

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Dear MWRA Board of Directors,

My name is Bradford Johnson , and I am a resident of Somerville.

I am writing to you about the recent recommendation from MWRA staff that would allow higher levels of sewage discharges into the Mystic River in the future. As a concerned citizen who cares about the health of the Mystic River watershed, I strongly urge you to reject this recommendation.

I take walks along the Mystic River and bike along the Alewife Brook path.

I am dismayed to see that city and MWRA staff are recommending a plan for the Mystic River and Alewife Brook that would not only reduce the least amount of sewage discharges into the Mystic River, but would allow the increase in the volume of discharges in coming years, thanks to the larger storms from climate change. We need a better plan than this — one that targets the highest level of CSO control.

Moreover, I also expect greater transparency in this process, so the public has a real opportunity to weigh in on the investments needed to ensure clean, healthy waterways for future generations.

Sincerely,

Bradford Johnson

Sent from my iPhone

[https://urldefense.com/v3/ http://www.bradfordajohnson.net _!!PAv22g!SkbVKChcWDi-0lx9pCu4ajjWSbPpTzblSU9EjVMR_nQu_CvGMTZgRS5dxTW7V_NVlceX1pWrv1NqAmevq6rFBg\\$](https://urldefense.com/v3/http://www.bradfordajohnson.net_!!PAv22g!SkbVKChcWDi-0lx9pCu4ajjWSbPpTzblSU9EjVMR_nQu_CvGMTZgRS5dxTW7V_NVlceX1pWrv1NqAmevq6rFBg$)

[EXTERNAL] Stop sewage overflow into Alewife Brook, the Mystic River, and the Charles River

From Chris Stivers <stivers.c@gmail.com>

Date Fri 11/14/2025 4:35 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>; MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>

Cc env.internet@mass.gov <env.internet@mass.gov>

You don't often get email from stivers.c@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA members,

My name is Chris Stivers and I am a resident of Medford, where I live about 0.5mi from the Mystic River. I was disappointed to recently learn that the MWRA's proposal for handling CSO events for the Alewife Brook, Mystic River, and Charles River fall well short of what advocacy groups and residents have been asking for. The high level of sewage discharge allowed by these recent proposals is unacceptable and I urge you to reconsider these recommendations. We moved to Medford in no small part due to its abundance of natural outdoor recreation options, such as the Mystic River. My family enjoys swimming and boating on the Mystic; however, it is all too common of an event to receive a CSO email, meaning we are unable to enter the water at Shannon Beach, near our house. It would be a travesty for the next generation to continue treating the Mystic River as a dirty, polluted body of water that is harmful to human health.

I respectfully ask you to reevaluate your proposals select an alternative plan that achieves the highest level of sewage control during CSO events. Current and future generations of residents deserve a plan that minimizes sewage overflow into these important natural resources.

Thank you for your consideration,
Chris Stivers

[EXTERNAL] Sewer Overflows

From Robert Kearns <robertvkearns@gmail.com>

Date Fri 11/14/2025 10:30 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

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[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board Members,

I support eliminating Combined Sewer Overflows in the MWRA system. Local rivers are not dumping grounds.

I also support eliminating Sanitary Sewer overflows in the MWRA System, including the Braintree/Weymouth Smelt Brook MWRA SSO, the Braintree Pearl Street MWRA SSO, and the Town of Braintree SSOs on Allen Street and Adams Street.

We deserve clean water to recreate in.

--

Best,
Robert Kearns
Quincy, MA

[EXTERNAL] Oppose CSO Proposal - Protect Charles River

From Frédérique Bienfait <fibienfait@live.nl>

Date Sat 11/15/2025 3:31 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

U ontvangt niet vaak e-mail van fibienfait@live.nl. [Ontdek waarom dit belangrijk is](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MRWA Board of Directors,

I'm writing to urge you to reject the proposed CSO project that would allow sewage discharges to continue in the Charles River for decades to come. The Charles deserves full protection and the highest level of CSO control to achieve a truly clean, swimmable river.

As a rower on the Charles River, I care deeply about protecting this vital waterway and the Head of the Charles Regatta it supports. The Head of the Charles Regatta is the world's largest three-day rowing regatta. This iconic 3-mile course, featuring six historic bridges, attracts over 11,000 athletes from around the globe and draws up to 400,000 spectators annually. The event generates over \$70 million in economic benefit to the Greater Boston area.

The Charles River's health directly affects our community, our local economy, and Boston's international reputation as a world-class rowing destination. Protecting this resource is essential for athletes, spectators, local businesses, and the entire Boston community.

Thousands of rowers, including children as young as 11 and masters athletes in their 90s, train on the Charles River year-round. We get splashed with water during every rowing session, and water drips onto us when we lift boats out of the water. When CSO overflows occur, that water contains raw sewage. No one should train in sewage-contaminated water, especially children. This is a public health crisis unworthy of a world-class city.

Please reject the current CSO proposal at the November 19 meeting and require a stronger plan that eliminates sewage overflows once and for all. The Charles River is a vital natural and economic resource, and it deserves our full commitment to restoration and protection.

Sincerely,

Frédérique Bienfait, MD

[EXTERNAL] Reject MWRA's CSO Proposal for the Mystic, Alewife, and Charles on Nov. 19

From sandy huckleberry <sandy.huckleberry@gmail.com>

Date Sat 11/15/2025 12:24 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

Cc MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>; env.internet@mass.gov <env.internet@mass.gov>

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Dear MWRA Board of Directors,

My name is Sandy, and I am a resident of Boston.

I am writing to you to encourage the highest level of CSO controls for the Mystic an Alewife and a transparent process for deciding the plan that best meets the needs of all the communities connected to their watersheds.

Sincerely,
Sandy Huckleberry

[EXTERNAL] Reject MWRA's CSO Proposal for the Mystic, Alewife, and Charles on Nov. 19

From Joseph Su <sufamily9685@gmail.com>

Date Sun 11/16/2025 8:25 PM

To MacDougall, Kristin <Kristin.MacDougall@mwra.com>

Cc MWRA, Ask <Ask.MWRA@mwra.com>; Hall, Jeremy <Jeremy.Hall@mwra.com>; env.internet@mass.gov <env.internet@mass.gov>

You don't often get email from sufamily9685@gmail.com. [Learn why this is important](#)

[EXTERNAL]: This is an external email. Do not click on links or attachments if sender is unknown or if the email is unexpected.

Dear MWRA Board of Directors,

My name is Joseph Su and I am a resident of Lexington.

I am writing to you about the recent recommendation from MWRA staff that would allow higher levels of sewage discharges into the Mystic River in the future. As a concerned citizen who cares about the health of the Mystic River watershed, I strongly urge you to reject this recommendation.

I enjoyed the beaches along the Mystic River.

I am dismayed to see that city and MWRA staff are recommending a plan for the Mystic River and Alewife Brook that would not only reduce the least amount of sewage discharges into the Mystic River, but would allow the increase in the volume of discharges in coming years, thanks to the larger storms from climate change. We need a better plan than this — one that targets the highest level of CSO control.

Moreover, I also expect greater transparency in this process, so the public has a real opportunity to weigh in on the investments needed to ensure clean, healthy waterways for future generations.

Sincerely,
Joseph Su