

**MEETING OF THE MASSACHUSETTS
CLEAN WATER TRUST
BOARD OF TRUSTEES**

July 10, 2024
1:30 PM

Location: Remote*

NOTICE & AGENDA

CALL TO ORDER

Item #1 **MOTION- VOTE REQUESTED**

Acceptance and approval of minutes of the meeting held on June 12, 2024.

Item #2 **REPORT OF THE EXECUTIVE COMMITTEE**

Item #3 **MOTION- VOTE REQUESTED**

Appointment of Officer and member of the Executive Committee

That the Board of Trustees appoints and confirms the following individual as an officer of the Massachusetts Clean Water Trust and, as such officer, as a member of the Executive Committee, in accordance with the provisions of the By-Laws, which the individual has been nominated as such officer by the Trustee listed next to their name:

<u>OFFICE</u>	<u>NAME</u>	<u>NOMINATED BY</u>
Deputy Director of Program Development	Bridget Munster	Commissioner, Department of Environmental Protection

Item #4 **MOTION- VOTE REQUESTED**

Approval of the Fiscal Year 2025 Budget

1. That the Board of Trustees approves the Trust's fiscal year 2025 budget request, distributed to the Board, for funds from the Administrative Fund for the costs of administering its programs paid through the MCWT's Expendable Trust and the Department of Environmental Protection's Expendable Trust.
2. That the Board of Trustees approves the Trust's fiscal year 2025 budget request of the Department of Environmental Protection, distributed to the Board, for funds from the Clean Water and Drinking Water administrative grant funds and set-aside funds for the administration of the state revolving fund.

Item #5

MOTION- VOTE REQUESTED

Resolution Authorizing the Issuance of Bonds

That the Executive Director is hereby authorized to provide for the issuance by the Trust of one or more series of bonds (the “Bonds”), which may include (i) State Revolving Fund Bonds for the purpose of financing or refinancing costs of water pollution abatement and drinking water projects for local governmental units and other eligible borrowers and/or (ii) State Revolving Fund Refunding Bonds for the purpose of refinancing all or any portion of the Trust’s outstanding bonds; that the Bonds are to be sold by negotiated sale and on a tax-exempt or taxable basis; and in furtherance thereof the Executive Director, with respect to the issuance and sale of the Bonds, is hereby delegated all powers of the Board of Trustees of the Trust under Section 9 of Chapter 29C of the Massachusetts General Laws and authorized to do any and all acts and things and to approve, adopt, execute, and deliver any and all supplemental trust agreements, preliminary and final offering documents, purchase agreements, refunding escrow agreements, and such other documents, certificates, notices, and other instruments as the Executive Director, with the advice of counsel, shall determine to be necessary or desirable in connection with the issuance and sale of the Bonds.

Item #6

MOTION- VOTE REQUESTED

Selection of Senior Manager Underwriter

1. That the recommendation of the Procurement Management Team, established pursuant to the Trust’s Request for Reponses: Senior Manager Underwriter, dated May 14, 2024, for the negotiated sale of the Trust’s Series 26 Bonds and 2025 Refunding Bonds is hereby approved.
2. That the Board hereby delegates to the Executive Director all necessary power and authority to negotiate and reach agreement with the lead underwriter, acting on behalf of the underwriting syndicate, and to execute and deliver to the lead underwriter a bond purchase agreement for this sale.
3. That the Board further delegates to the Executive Director all necessary power and authority to execute and deliver such other agreements, certificates, notices, and other instruments as the Executive Director deems necessary to ensure the successful sale.

Item #7

MOTION- VOTE REQUESTED

Approval of Asset Management Program Grant Commitment and Grant Agreement

<u>PRA No.</u>	<u>Recipient</u>	<u>Amount</u>
CWA-24-07	Montague	\$75,000

Item #8

MOTION- VOTE REQUESTED

Approval of Asset Management Program Grant Agreement

<u>PRA No.</u>	<u>Recipient</u>	<u>Amount</u>
DWA-23-137	Peabody	\$90,000

Item #9

MOTION- VOTE REQUESTED

Approval of Lead Service Line Planning Program Grant Commitments and Grant Agreements

<u>PRA No.</u>	<u>Recipient</u>	<u>Amount</u>
DWL-24-31	Andover	\$445,000
DWL-24-30	Lawrence	\$664,000
DWL-24-28	Mansfield	\$300,000
DWL-24-27	Marshfield	\$382,492
DWL-23-55	Maynard	\$313,610 ¹
DWL-24-33	North Dighton Fire District	\$64,000
DWL-22-56	Norwood	\$420,000 ²
DWL-24-29	Spencer	\$95,000
DWL-23-45	Turners Falls Fire District	\$124,900 ³
DWL-24-32	Walpole	\$140,000
DWL-24-26	Wilkinsonville Water District	\$42,000

Item #10

MOTION- VOTE REQUESTED

Approval of Cybersecurity Improvement Program Grant Commitments and Grant Agreements

<u>PRA No.</u>	<u>Recipient</u>	<u>Amount</u>
DWC-24-15	Amherst	\$50,000
DWC-24-14	Athol	\$40,000
DWC-24-8	Attleboro	\$44,665
DWC-24-2	Ayer	\$28,748
DWC-24-3	Centerville-Osterville-Marstons Mills Fire District	\$45,000
DWC-24-9	Framingham	\$50,000
DWC-24-5	Housatonic Water Works	\$15,000
DWC-24-11	Littleton	\$30,000
DWC-24-13	Lunenburg Water District	\$15,960
DWC-24-1	Merrimac	\$17,300
DWC-24-4	Middleborough	\$49,448
DWC-24-17	Palmer Water and Fire District	\$30,000
DWC-24-16	Rowley	\$30,000
DWC-24-12	Salem and Beverly Water Supply Board	\$37,400
DWC-24-7	Southampton	\$30,000
DWC-24-10	Southbridge	\$44,998
DWC-24-6	Southwick	\$27,765

¹ First Revision. Previous Grant Amount was \$200,000.

² Second Revision. Previous Grant Amount was \$150,000.

³ First Revision. Previous Grant Amount was \$26,400.

Item #11

MOTION- VOTE REQUESTED

Approval of Clean Water Commitments

<u>PAC No.</u>	<u>Borrower</u>	<u>Amount</u>	<u>Interest Rate</u>
CW-23-54	Barnstable	\$3,275,585 ⁴	1.5% ⁵
CW-23-14	Haverhill	\$2,389,275 ⁶	2%
CW-21-22	Lynn Water & Sewer Commission	\$74,017,791 ⁷	2%
CW-24-08	Pittsfield	\$1,000,000	2%

Item #12

MOTION- VOTE REQUESTED

Approval of Drinking Water Commitments

<u>PAC No.</u>	<u>Borrower</u>	<u>Amount</u>	<u>Interest Rate</u>
DW-23-134	Aquarion Water Company of Massachusetts, Inc.	\$4,679,913 ⁸	0% ⁹
DW-23-144	Aquarion Water Company of Massachusetts, Inc.	\$4,514,850 ¹⁰	2%
DW-22-11	Fall River	\$2,140,955 ¹¹	1.5% ⁵
DW-23-117	Hopedale	\$4,750,000 ¹²	0% ⁹
DW-23-138	Sudbury Water District	\$7,250,611 ¹³	0% ⁹
DW-23-124	West Bridgewater	\$3,920,285 ¹⁴	0% ⁹

⁴ First Revision. Previous PAC amount was \$2,851,000.

⁵ Housing Choice Loan

⁶ First Revision. Previous PAC amount was \$1,900,000.

⁷ Second Revision. Previous PAC amount was \$70,328,732.

⁸ First Revision. Previous PAC amount was \$3,195,803.

⁹ PFAS Remediation Loan

¹⁰ First Revision. Previous PAC amount was \$3,028,000.

¹¹ First Revision. Previous PAC amount was \$1,841,575.

¹² First Revision. Previous PAC amount was \$4,500,000.

¹³ First Revision. Previous PAC amount was \$5,825,000.

¹⁴ First Revision. Previous PAC amount was \$3,163,200.

Item #13

MOTION- VOTE REQUESTED

Approval of the Clean Water Loans and Financing Agreements

<u>PRA No.</u>	<u>Borrower</u>	<u>Amount</u>	<u>Interest Rate</u>
CWP-21-49-B	Barnstable	\$909,860	1.5% ⁵
CWP-23-54	Barnstable	\$3,275,585	1.5% ⁵
CWP-23-30	Brockton	\$2,179,948	1.5% ⁵
CWP-21-50	Fall River	\$2,476,795 ¹⁵	1.5% ⁵
CWP-23-19	Harwich	\$37,689,975	0% ¹⁶
CWP-23-19-A	Harwich	\$4,232,000	0% ¹⁶
CWP-23-14	Haverhill	\$2,389,275	2%
CWP-21-22	Lynn Water & Sewer Commission	\$74,017,791 ¹⁷	2%
CW-23-18	Marshfield	\$8,100,000	2%
CW-24-08	Pittsfield	\$1,000,000	2%
CWP-23-21	Upper Blackstone Clean Water	\$6,358,366	2%

Item #14

MOTION- VOTE REQUESTED

Approval of the Drinking Water Loans and Financing Agreements

<u>PRA No.</u>	<u>Borrower</u>	<u>Amount</u>	<u>Interest Rate</u>
DWP-22-11	Fall River	\$2,140,955 ¹⁸	1.5% ⁵
DWPEC-23-117	Hopedale	\$4,750,000	0% ⁹
DWEC-23-131	Lynnfield Center Water District	\$15,000,000	0% ⁹
DWEC-23-123	Sharon	\$15,000,000	0% ⁹
DWPEC-23-122	Stoughton	\$4,314,700	0% ⁹
DWEC-23-138	Sudbury Water District	\$7,250,611	0% ⁹
DWEC-23-126	Water Supply District of Acton	\$7,565,462	0% ⁶
DWPEC-23-119	Webster	\$15,000,000	0% ⁹
DWPEC-23-124	West Bridgewater	\$3,920,285	0% ⁹
DWP-23-110	Winchendon	\$8,250,000	2%

¹⁵ First Revision. Previous PRA amount was \$2,026,795.

¹⁶ Nutrient Enrichment Reduction Loan

¹⁷ First Revision. Previous PRA amount was \$70,328,732.

¹⁸ First Revision. Previous PRA amount was \$1,841,575.

Item #15

MOTION- VOTE REQUESTED

Approval of Loans to Aquarion Water Company of Massachusetts, Inc.

1. That the Trust is hereby authorized to make one or more Loan(s), pursuant to the Trust's *Policy on Loans to Private Entities*, to Aquarion Water Company of Massachusetts, Inc. (the "Borrower"), for the Project(s), in the principal amount(s), and at the interest rate(s), as follows:

<u>Loan Number</u>	<u>Principal Amount</u>	<u>Interest Rate</u>
DWEC-23-134	\$4,679,913	0% ⁶
DWEC-23-144	\$4,514,850	2%

2. That in connection with such Loan(s), the Trust is hereby authorized to execute and deliver a Financing Agreement, including the Terms and Conditions to Financing Agreement attached thereto as Exhibit I, a Pledge and Security Agreement and one or more deposit account control agreements, and to require and accept from the Borrower's corporate parent an Unconditional Guaranty, all such documents in substantially in the form presented at this meeting, with such changes, not inconsistent with this vote, as are determined necessary or desirable by the Executive Director, with such determination evidenced by the Executive Director's delivery or acceptance of the same.
3. That the Board of Trustees hereby delegates to the Executive Director authority to do all things necessary or desirable to implement the Loan(s) contemplated by this vote, including without limitation, executing, delivering and accepting the above-referenced documents, providing certifications, direction and notices, and modifying or amending any of such documents, certifications, directions or notices from time to time in any manner not inconsistent with this vote.

OTHER BUSINESS

(Items not reasonably anticipated by the Chair 48 hours in advance of the meeting)

ADJOURN

***Location: Remote:** Notice is hereby given that the Wednesday, July 10, 2024 meeting of the Massachusetts Clean Water Trust's Board of Trustees will be held through remote participation in accordance with M.G.L.c.30A, §20, as modified by c.20 of the Acts of 2021, c.22 of the Acts of 2022, and c.2 of the Acts of 2023.

Those who would like to attend the meeting, please e-mail masswatertrust@tre.state.ma.us to request meeting information. Information to access the meeting will be available through the duration of the meeting. However, we encourage participants to request the information by 5:00 PM the day before the meeting.

To ensure that the audio is clear to all attendees, unless you are actively participating in the meeting, please mute your audio. If you have technical difficulties joining the meeting, please email masswatertrust@tre.state.ma.us.

Please Note: There will be no physical meeting at the offices of the Massachusetts Clean Water Trust.



Item #1: *Minutes of the Meeting Held on June 12, 2024*

**MEETING OF THE MASSACHUSETTS
CLEAN WATER TRUST
BOARD OF TRUSTEES**

June 12, 2024
1:30 PM

Location: Remote*

Minutes

Attendees: James MacDonald, First Deputy Treasurer, Office of the State Treasurer, Designee
Timur Yontar, Capital Budget Director, Executive Office for Administration & Finance, Designee
Maria Pinaud, Director of Municipal Services, MassDEP, Designee

Also Present: Susan Perez, Executive Director, MCWT
Nate Keenan, Deputy Director, MCWT
My Tran, Treasurer, MCWT
William Kalivas, Treasury Specialist, MCWT
Pam Booker, Accountant, MCWT
Josh Derouen, Senior Program Associate, MCWT
Kailyn Fellmeth, Program Associate, MCWT
Rachel Stanton, Investor Relations and Communications Graphic Designer, MCWT
Jonathan Maple, Senior Policy Analyst, MCWT
Kathryn Armour, Data Analyst, MCWT
Martin Mont, Summer Intern, Trust
Robin McNamara, Deputy Director of Municipal Services, MassDEP
Greg Devine, Section Chief, MassDEP
Michael Celona, Drinking Water Specialist, MassDEP
Janine Bishop, Regional Planner, MassDEP
Andrew Napolitano, Director of Communications, Office of the State Treasurer
Jennifer Pederson, Executive Director, Massachusetts Water Works Association

CALL TO ORDER: The meeting was called to order by Mr. MacDonald at 1:31 p.m.

Item #1

MOTION- VOTE

Acceptance and approval of minutes of the meeting held on May 1, 2024.

The motion was made by Mr. Yontar and seconded by Ms. Pinaud and voted unanimously in favor of acceptance and approval of the minutes of the meeting of the Board held on May 1, 2024.

Item #2

REPORT OF THE EXECUTIVE COMMITTEE

Fiscal Year (FY) 2025 Budget

Ms. Perez noted that the Trust and MassDEP are working to finalize the FY 2025 budget. An interim budget will be voted on today. The final budget is expected to be ready for a vote at the July Board of Trustees meeting.

FY 2024 Disbursements

Ms. Perez stated that final FY 2024 disbursements will be made a week prior to the end of FY 2024.

Series 26 Underwriters

Ms. Perez noted that the Trust issued a request for responses for underwriters for the Series 26 bond deal which is expected to close around February 2025.

July Board of Trustees Meeting

It was unanimously agreed that the July Board of Trustees meeting be moved to July 10, 2024.

Item #3

MOTION- VOTE

The motion was made by Mr. Yontar and seconded by Ms. Pinaud and voted unanimously in favor of acceptance and approval of the following:

That as an Interim budget for the fiscal year beginning July 1, 2024

1. The Massachusetts Clean Water Trust may expend 1/12 of the amount authorized for the fiscal year 2024 budget from the Administrative Fund for the administration of the programs of the Trust during the interim period between July 1, 2024 and July 31, 2024; and
2. The Massachusetts Clean Water Trust may transfer to the Department of Environmental Protection up to an amount equal to 1/12 of the fiscal year 2024 budget for the Department approved by the Trust, from the Clean Water State Revolving Fund and the Drinking Water State Revolving Fund, for the administration of the State Revolving Fund programs during the interim period between July 1, 2024 and July 31, 2024.

Item #4

MOTION- VOTE

The motion was made by Ms. Pinaud and seconded by Mr. Yontar and voted unanimously in favor of acceptance and approval of the following:

Approval of Asset Management Program Grant Commitment and Grant Agreement

<u>PRA No.</u>	<u>Recipient</u>	<u>Amount</u>
CWA-24-06	Athol	\$106,800

Item #5

MOTION- VOTE

The motion was made by Mr. Yontar and seconded by Ms. Pinaud and voted unanimously in favor of acceptance and approval of the following:

Approval of Lead Service Line Planning Program Grant Commitments and Grant Agreements

<u>PRA No.</u>	<u>Recipient</u>	<u>Amount</u>
DWL-24-20	Leominster	\$253,000
DWL-24-21	Plainville	\$350,925
DWL-24-22	Randolph	\$288,335

Item #6

MOTION- VOTE

The motion was made by Ms. Pinaud and seconded by Mr. Yontar and voted unanimously in favor of acceptance and approval of the following:

Approval of Community Septic Management Program Commitment

<u>PAC No.</u>	<u>Borrower</u>	<u>Amount</u>	<u>Interest Rate</u>
CW-24-05	Easton	\$500,000	2%

Item #7

MOTION- VOTE

The motion was made by Mr. Yontar and seconded by Ms. Pinaud and voted unanimously in favor of acceptance and approval of the following:

Approval of Drinking Water Commitment

<u>PAC No.</u>	<u>Borrower</u>	<u>Amount</u>	<u>Interest Rate</u>
DW-24-24	Townsend	\$6,016,000	0% ¹

Item #8

MOTION- VOTE

The motion was made by Ms. Pinaud and seconded by Mr. Yontar and voted unanimously in favor of acceptance and approval of the following:

Approval of Community Septic Management Program Loan and Financing Agreement

<u>PAC No.</u>	<u>Borrower</u>	<u>Amount</u>	<u>Interest Rate</u>
CWT-24-05	Easton	\$500,000	2%

¹ PFAS Remediation Loan

Item #9

MOTION- VOTE

The motion was made by Mr. Yontar and seconded by Ms. Pinaud and voted unanimously in favor of acceptance and approval of the following:

Approval of the Clean Water Loans and Financing Agreements

<u>PRA No.</u>	<u>Borrower</u>	<u>Amount</u>	<u>Interest Rate</u>
CWP-23-52	Lowell	\$25,084,277	1.5% ²
CWP-23-52-A	Lowell	\$2,759,000	1.5% ²
CWP-23-27	Mashpee	\$5,400,000	0% ³
CWP-18-12-B	Pittsfield	\$2,660,000 ⁴	0% ³
CWP-18-12-D	Pittsfield	\$948,975 ⁵	0% ³

Item #10

MOTION- VOTE

The motion was made by Ms. Pinaud and seconded by Mr. Yontar and voted unanimously in favor of acceptance and approval of the following:

The motion was made by Mr. Yontar and seconded by Ms. Pinaud and voted unanimously in favor of acceptance and approval of the following:

Approval of the Drinking Water Loans and Financing Agreements

<u>PRA No.</u>	<u>Borrower</u>	<u>Amount</u>	<u>Interest Rate</u>
DWEC-23-107	Chatham	\$15,000,000	0% ¹
DWP-22-49	East Brookfield	\$8,177,108 ⁶	2%
DWPEC-24-24	Townsend	\$6,016,000	0% ¹
DWEC-23-129	Westborough	\$8,188,783	0% ¹

Item #11

MOTION- VOTE

The motion was made by Mr. Yontar and seconded by Ms. Pinaud and voted unanimously in favor of acceptance and approval of the following:

Approval of School Water Improvement Grants

<u>Grant No.</u>	<u>Grantee</u>	<u>Grant Amount</u>
SWIG-24-20	Abundant Life Christian School and Learning Center	\$9,000
SWIG-24-21	On N On Community Child Care	\$3,000
SWIG-24-22	Meridian Academy	\$3,000

OTHER BUSINESS: None.

ADJOURN: The motion was made by Mr. Yontar and seconded by Ms. Pinaud and voted unanimously in favor of adjourning the meeting at 1:36 p.m.

LIST OF DOCUMENTS AND EXHIBITS USED:

1. Minutes, May 1, 2024
2. Project Descriptions

² Housing Choice Loan

³ Nutrient Enrichment Reduction Loan

⁴ First Revision. Previous PRA amount was \$3,100,000.

⁵ First Revision. Previous PRA amount was \$508,975.

⁶ First Revision. Previous PRA amount was \$7,869,027.

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Items #2 and #3: *(No Reference Documents)*



Item #4: Approval of the Fiscal Year 2025 Budget

MASSACHUSETTS CLEAN WATER TRUST
Fiscal Year 2025 BUDGET

	FY-25	FY-24
Revenue		
Administrative Fees	\$ 5,851,800	\$ 5,570,000
Federal Grant and State Match Revenue	17,695,120	16,161,245
Total Revenue	<u>23,546,920</u>	<u>21,731,245</u>
Expenses		
Federal Grant and State Match Funded Expenses		
DEP Payroll Related Expenses	13,516,120	11,824,104
DEP Contracts	4,155,500	4,310,641
DEP Travel and Other Expenses	23,500	26,500
Total Federal Grant and State Match Funded Expenses	<u>17,695,120</u>	<u>16,161,245</u>
Administrative Funded Expenses		
DEP Expendable Trust		
DEP Payroll Related Expenses	2,556,862	3,315,529
DEP Contracts	2,068,000	435,425
DEP Travel and Other Expenses	8,500	15,000
Total DEP Expendable Trust	<u>4,633,362</u>	<u>3,765,954</u>
Trust Expenses		
Trust Payroll Related Expenses	2,195,000	1,860,000
Professional Services	405,000	394,500
Rent Expense	365,000	350,000
Computer Equip and Software Expense	179,100	179,100
Comptroller Indirect Charge (AP)	40,000	40,000
Other (supplies, postage, travel, cell phone, prof dues)	376,300	591,500
Total Trust Expenses	<u>3,560,400</u>	<u>3,415,100</u>
Total Administrative Funded Expenses	<u>8,193,762</u>	<u>7,181,054</u>
Total Expenses	<u>25,888,882</u>	<u>23,342,299</u>
Net Deficit	<u>\$ (2,341,962)</u>	<u>\$ (1,611,054)</u>

MASSACHUSETTS CLEAN WATER TRUST
Fiscal Year 2025 BUDGET
Details for DEP Contracts

Contracts	FY 2025 Budget	FY 2024 Budget
<i>Funded by Grants</i>		
PFAS and Residuals Tech & Mgmt Study	500,000	500,000
Wastewater & Residuals/Groundwater	164,000	160,000
Database Improvements		
Small Systems Tech Assistance	487,500	500,000
Reducing Nitrogen Pollution in Coastal		
Embayments	600,000	-
UMass ISA Sm Sys and Cybersecurity	503,000	331,757
UMass ISA IT Support	-	545,000
CW Needs Survey	-	500,000
Well Drillers	150,000	310,000
Hydrogeological Services	100,000	148,224
LSL Inventory & Replacement UMass ISA	140,000	260,000
LSL Inventory & Replacement Tech Assistance	600,000	1,055,660
DW Contract Support Staff (LSL) - 5 FTEs	911,000	-
<i>Total Contracts Funded by Grants</i>	<u>4,155,500</u>	<u>4,310,641</u>
 <i>Funded by Admin</i>		
UMass ISA IT Support	553,000	-
Small System Design and Engineering Support	500,000	-
DW Contract Support Staff (PFAS) 5 FTEs	900,000	-
Lead Testing in Private Schools	115,000	435,425
<i>Total Contracts Funded by Admin</i>	<u>2,068,000</u>	<u>435,425</u>

CONTRACT DESCRIPTIONS

For Contracts Budgeted for FY2024

2200-0350 – DEP Expendable Trust

Lead Testing Private Schools \$115,000

Over one or more years, UMass will support lead in drinking water testing in private schools throughout the Commonwealth. The testing will be conducted as part of and in support of the MassDEP Expanded Assistance Program for Lead in Drinking Water in Schools and Early Education and Care Facilities, which is administered in conjunction with UMass. The testing will also support private schools' eligibility into the MA Clean Water Trust's School Water Improvement Grant (SWIG) Program.

Board approved at 04/In FY2024, 27 private schools in 20 communities were tested for lead. Based on recent applications from the Boston Archdiocese, it is anticipated that close to 70 of their schools will be tested in the fall. Schools that test and find lead are directed to the Trust's School Water Infrastructure Grant (SWIG) Program. Private schools receive regular outreach about the free lead testing program.

2200-6007 – CW 4% Admin Funds

PFAS and Residuals Technology and Management Study - \$500,000

MassDEP is evaluating risk associated with land application of residuals in Massachusetts because of the potential for groundwater contamination from PFAS and needs to evaluate the impacts of this policy decision on facilities as well as disposal and reuse alternatives to land application, including landfilling and incineration both in state and out of state. Funds were advanced in FY2024, nothing was expended. These funds encompass Part 2 of the "Sludge Study". The RFQ for Part 2 was posted to Commbuys on 2/27/2024 and awarded on 5/1/2024. The project deadline is 1/14/2025.

IT Contract for PFAS Wastewater and Residuals/Groundwater Database Improvements - \$164,000

MassDEP has existing databases to collect PFAS data for groundwater, residuals, and wastewater that will need various enhancements and support going forward. In 2021, MassDEP designed and built a new application to capture and manage the quarterly monitoring for PFAS in land applied wastewater residuals. The application also captures and manages PFAS data from wastewater influent, effluent and sludge, as well as from industries that discharge to wastewater treatment plants that have NPDES/Surface Water Discharge Permits. Some additional enhancements to the application would add value to the system's data capture, management and quality. This would include the ability to accept data from additional labs and track the associated analytical methods, including many of the new data requirements in the revised NPDES permit. We also expect USEPA to be exploring an expanded list of PFAS parameters and changes to methodologies that will require on-going database improvements. There are other changes that would benefit usability of both the front and back-end system; including the potential for an Application Programming

Interface (API) between EPA's NetDMR and MassDEP's PFAS System when NPDES facilities start reporting PFAS Data to USEPA directly in the next couple of years. IT has completed upgrades to the PFAS database to enable easier QA/QC of the data by program staff, and to account for recent NPDES permit changes. Work has begun with IT to allow the system to accept data from groundwater discharge wastewater treatment facilities.

Spent \$160,000 in FY2024. Expected to spend \$164,000 (includes 5% increase from FY2024) in FY2025 and a comparable amount in each year thereafter through FY2027.

2200-6007 – CW 2% Technical Assistance

CW Small System Technical Assistance - \$487,500

Amendments to the Clean Water Act through the BIL allow states to use 2% of the CWSRF Base and BIL Supplemental grants for technical assistance. MassDEP and the Trust have contracted with RCAP, a qualified organization to provide technical assistance to small, rural, and tribal publicly owned treatment works, particularly in Disadvantaged Communities, for the purpose of encouraging participation in the CWSRF program. The CWSRF technical assistance program will include aiding eligible communities with the preparation of Project Evaluation Forms (PEFs), SRF loan applications, and other relevant documents. MassDEP has sent an outreach email to each of the eligible utilities/communities twice, July 2023 and March 2024. Ten communities responded, with one community, Clarksburg, engaging RCAP for the preparation of a planning application, and one community (Rockport), engaging RCAP for the preparation of a wastewater collection system needs assessment. Four communities did not respond to RCAP's efforts to reach them, and four communities are currently not ready to use this program due to community delays or RCAP is already engaged in services within the community under a different program.

This was included in the FY2024 IUP and the Trust budgeted \$500,000 for FY2024. Only \$12,500 was spent in FY2024. The balance is expected to be spent in FY2025.

Reducing Nitrogen Pollution in Coastal Embayments Grants - \$600,000

MassDEP is proposing to utilize \$600,000 of the fiscal year 2022 2% banked set-aside to establish a grant program to promote the reduction of nitrogen loading in coastal embayments to support compliance with the updated Title 5 regulations and the new Watershed Permitting regulations and to enable other coastal areas to participate in updated Title 5/new Watershed Permitting regulations. Scope is currently under development for this program. The Trust will utilize 2022 Base Grant banked CW 2% Technical Assistance funds for this program.

2200-6008 AR08 - DW 4% Admin Set-Aside

No Contracts

2200-6008 AR09 – DW 2% Small System Set-Aside

UMass ISA Training/Technical Assistance - \$503,000

MassDEP will provide technical assistance for small systems. Duties may include but are not limited to staffing to support safe drinking water act compliance. This ongoing project continues through an ISA with UMass. Work includes capacity support (e.g., operator trainings), workforce development (e.g., internships at public water systems), grant assistance (e.g., application support), and emergency response (e.g., cybersecurity assessment reviews and technical assistance). Recently cybersecurity needs have increased significantly and will need to be maintained for the foreseeable future. Additional efforts planned for FY2025 include grant application support for small systems.

This is a three-year contract FY2025 is the first year. FY2026 is expected to spend \$521,000 and FY2027 is expected to spend \$539,000.

2200-6008 AR10 – DW 10% State Program Management Set-Aside

IT Contract Services - \$553,000

This ongoing effort funds 3 contractors to provide a variety of direct technical, financial, and managerial assistance to small drinking water systems. Priority is given to disadvantaged communities. Activities will focus on SDWA requirements and Massachusetts Drinking Water Regulations and creating an environment for transparency with the DWP data. Specific duties include providing IT support for MassDEP's eDEP reporting system which captures electronic reporting of water quality reports and the Annual Statistical Report (inventory, staffing, source protection, water quantity), analysis and planning for the data system transition from WQTS to the EPA cloud based DESFTIES system, and the DWP Source Protection I-Protect System.

Small System Engineering and Design Support - \$500,000

Many small public water systems impacted by emerging contaminants are having challenges securing engineering services. While upfront costs to cover preliminary planning and design are an issue, there is also a lack of engineering firms available to assist. Through this new program, securing services through an RFP/RFQ process and identifying vendors available to provide much needed services to these small disadvantaged systems will enable the systems to move forward and be more competitive for the SRF program and grants, such as the Emerging Contaminant- Small and Disadvantaged Community grant.

Safe Drinking Water Act Technical Assistance - \$900,000

This new program will provide technical assistance to public water systems for Safe Drinking Water Act (SDWA) programs, including PFAS remediation, and PWC Capacity Development Support. For PFAS assistance will include developing technical guidance, procedures, and programs; performing review of system data; and mapping and identifying possible service connections. For PWS capacity development support, assistance will include developing and implementing technical assistance and outreach procedures and programs to ensure compliance with MassDEP technical, financial and managerial drinking water standards, policies and/or

guidelines (e.g., permit application support, grant application support). This program will be implemented through an ISA with UMass.

2200-6008 AR11 – DW 15% Local Assistance and Other State Programs Set-Aside

Source Protection/Well Driller - \$150,000

This multi-year project continues through an ISA with UMass. Work includes matching unlocated wells in the Well Driller Database; quality assurance and quality control for the Well Driller Database; developing and validating updated estimates of private residential well usage in Massachusetts; assessing the state of water in domestic private wells; and well driller training. Work to date has resulted in location verification of 165,000 [Well database | Mass.gov](#). These data were then used to develop a Well Location Viewer exhibiting all the wells with verified locations in a viewer with point and click information tagged to each well [Well Location Viewer \(arcgis.com\)](#).

Hydrogeological Services - \$100,000

This ongoing project continues through an ISA with UMass. Work includes review of new source approvals; review of Zone II delineations; review of groundwater discharge permits; and identification of potential contaminant threats. Over the past decade, an increase in the assistance requested by the MassDEP Wastewater Program, and other MassDEP programs outside of the Drinking Water Program, that support safe drinking water source protection, along with the lack of hydrogeologic expertise in the MassDEP regional offices, has resulted in a much greater workload. The ISA has helped MassDEP meet all drinking water hydrogeologic permit deadlines.

LSL – DW 2% Small System Technical Assistance

LSL Inventory and Replacement UMass - \$140,000

MassDEP will contract with UMass, a qualified technical assistance provider to complete the following eligible planning projects working with the PWS; LSL Inventory – Find, map, and inventory water distribution and customer service lines to complete a comprehensive LSL inventory that will be made publicly available by MassDEP.

The full \$260,000 is expected to be expended in FY2024.

LSL Inventory and Replacement Technical Assistance and Grants for Small Systems - \$600,000

Since inception in 2023, 104 PWS (32 NTNCs and 72 small COM systems) have received assistance with preparing their service line inventories. UMass Technical Assistance Providers, through an ISA, have worked with 32 NTNCs and 36 small COMs and MassDEP's contracted consultants Weston & Sampson and Comprehensive Environmental Inc (CEI) have worked with 36 small COM systems on preparing their service line inventories. This work has included gathering and analyzing records, conducting site visits, assisting PWSs with their public outreach strategies, training PWS on LCRR and SLI, completing MassDEP's SLI Workbook and

certification forms, and assisting PWS with submitting their inventories to MassDEP. To date, 14 SLIs have been completed by assistance providers. Information about the TA and grants program can be found here: [Lead Service Line Replacement Program | Mass.gov](#).

This program will end on December 31, 2024.

Safe Drinking Water Act Technical Assistance - \$911,000

This new program will provide technical assistance to public water systems for Safe Drinking Water Act (SDWA) programs, including Lead and Copper Rule Revisions (LCRR) and Lead and Copper Rule Improvements (LCRI). For LCRR and LCRI, assistance will include working with systems on updating service line inventories; combining and digitizing records; making service line inventories publicly available; and implementing lead service line replacement programs. This program will be implemented through an ISA with UMass.



Item #5: *(No Reference Documents)*



Item #6: Selection of Senior Manager Underwriter



MASSACHUSETTS CLEAN WATER TRUST MEMORANDUM

TO: The Massachusetts Clean Water Trust Board of Trustees

CC: Nathaniel Keenan, My Tran, Cory Bannon, Jonathan Maple, John Durgin

FROM: Sue Perez, Procurement Management Team Chair

SUBJECT: Recommendation for Senior Managing Underwriter for Series 26 Bonds

DATE: July 10, 2024

Recommendation:

The following constitutes a summary of the process utilized in the recommendation from the Procurement Management Team (the “PMT”) for a banking syndicate for the Massachusetts Clean Water Trust’s (the “Trust”) Series 26 Bonds.

On May 14, 2024, the Trust issued a request for responses (the “RFR”) and posted the RFR to the Commonwealth’s procurement website, COMMBUYS. Also, the Trust sent emails to the Firms on the Treasury’s prequalified list of underwriters notifying them of the posting. Only Firms prequalified to provide underwriting services to the Commonwealth of Massachusetts were eligible to respond to the RFR.

On July 2, 2024, the PMT consisting of Sue Perez, Executive Director of the Trust, Nate Keenan, Deputy Director of the Trust, My Tran, Treasurer of the Trust, and Cory Bannon Debt Analyst for Debt Management Department met to review the responses received. Jonathan Maple, Senior Policy Analyst for the Trust was the Procurement Manager.

The procedures for evaluating Firms’ responses were described in the RFR, which set the following criteria for the PMT’s review:

- a. The Firm’s financing proposal and recommended structure;
- b. Refunding/defeasance recommendation;
- c. Relevant experience of personnel with the Firm assigned to the transaction;
- d. Marketing and distribution ability;
- e. Underwriting ability and fee proposal; and,
- f. Rating and investor presentation considerations and recommendations.

The RFR asked respondents to provide specific recommendations on successfully structuring and marketing the bonds in the current environment and recent experience Firms had with managing negotiated sales for state revolving funds or similar type credits. The RFR asked respondents to provide specific recommendations for a new money series of bonds as well as provide any refunding recommendations, including couponing and call provisions that most benefit the Trust. Also, the RFR asked how the Firm would market the bond sale, what the syndicate structure should be, their strategy to price the bonds and the Firm’s underwriting process and willingness to commit capital, as well as their fees associated with the issuance. In addition, respondents were asked to discuss investor demand in the current market conditions, market appetite and indicative pricing

for the structures being proposed. Firms were also asked specifically as to what value they would provide if selected as a member of the syndicate other than the bookrunner.

Firms wishing to be considered only for a co-manager role were asked a limited set of questions highlighting the Firm's strengths and expertise as a co-manager allowing for the evaluation of which would best complement the syndicate. Also considered were the Firm's ability to add value-enhancing distribution and increasing investor outreach to maximize sales and distribution of the bond issue.

A total of 31 Firms submitted responses to the RFR by the due date of June 17, 2024. 15 Firms indicated that they were responding to be selected as a book-running senior manager. All Firms responding to be selected as book-running senior manager were automatically considered for co-senior manager or co-manager positions if they were not selected as book-running senior manager. The remaining 16 Firms responded to be co-managers only.

Senior Managers	
Blaylock Van Beal	Morgan Stanley
BofA Securities	Ramirez & Co Inc
Goldman Sachs	Raymond James
Hilltop Securities	RBC Capital Markets
J.P. Morgan Securities LLC	Siebert Williams Shank & Co
Jefferies LLC	Stern Brothers & Co.
Loop Capital Markets	Wells Fargo Securities
Mesirow Financial Inc	

Co-Managers	
Academy Securities	Fidelity Capital Markets
American Veterans Group	Huntington Capital Markets
AmeriVet Securities	Janney Montgomery Scott LLC
Bancroft Capital Service	Mischler Financial Group Inc
BNY Mellon Capital Markets	Oppenheimer & Co.
Cabrera Capital Markets LLC	R. Seelaus
Crews & Associates	Roosevelt and Cross
Drexel Hamilton	TD Securities

Responses that (i) provided well-developed financing structures including relevant and specific marketing and investor outreach strategies, (ii) demonstrated a strong working knowledge of the Trust's credit and state revolving funds, (iii) provided actionable recommendations for updates/improvements to the Trust's rating presentation and investor presentation, and (iv) demonstrated recent experience as bookrunning senior managers for similar credits in the prevailing market environment scored well. The PMT also evaluated the Firm's ability to appropriately distribute the bonds and target under-represented investors and demonstrated willingness to commit capital in the form of underwriting any unsold balances. Firms providing primary coverage teams with demonstrated experience in executing similar issuances scored well.

Co-managers were evaluated based on their ability to complement the senior managers, add value to the distribution process and increase investor outreach to maximize sales and distribution of the bond issue.

Based on the quality of the responses, the work that will be required to execute a successful transaction in the current market environment and ensure a broad distribution of the Trust’s bonds, the PMT is recommending the following syndicate:

Syndicate	
Jefferies LLC	Book-Running Senior Manager
JP Morgan Securities LLC	Co-Senior Manager
Loop Capital Markets*	Co-Senior Manager
BNY Mellon Capital Markets	Co-Manager
Fidelity Capital Markets	Co-Manager
Oppenheimer & Co.	Co-Manager
TD Securities	Co-Manager
*Minority/Women-owned Business Enterprise or Service-Disabled Veteran-Owned Businesses Enterprise	

Based on its review and evaluation of the written responses measured against the above key considerations, the PMT recommends that Jefferies LLC be invited to participate as book-running senior manager and JP Morgan Securities (“JP Morgan”) and Loop Capital Markets (“Loop”) as co-senior managers for the Series 26 Green Bonds.

Jefferies’ response, which was scored the highest by the PMT, was comprehensive, thoughtful, and detailed regarding the current financing and demonstrated a strong working knowledge of the Trust’s credit and programs. Their market strategy, including ESG strategy, and ability to canvas investors and effectively distribute the bonds was well demonstrated. The Jefferies’ team also demonstrated their strength in state revolving funds financing, specifically their knowledge of the Trust, and has demonstrated their willingness to devote considerable resources to ensure a successful transaction.

JP Morgan is being recommended to serve as co-senior manager along with Loop, a minority owned firm. Both firms received high scores from the PMT. They provided insightful bond issuance recommendation and a detailed discussion on marketing the bonds to specific investor categories including targeted ESG/Green Bond underrepresented investors. JP Morgan will provide added distribution capabilities through its strong retail network. Loop provided actionable updates/improvements to the rating and investor presentations and has demonstrated their strength in this area.

The PMT also recommends four additional Firms listed above to serve as co-managers. These Firms were selected based on their ability to add value to the syndicate through investor outreach and distribution and demonstrated history of attracting investor orders in a negotiated sale.

All other responding Firms and members of the Commonwealth’s pre-qualified underwriting pool will be invited to join the Selling Group.



Items #7 through #15: *Project Descriptions*

Project Descriptions for July 10, 2024

Board of Trustees Meeting

Asset Management Planning Commitment and Agreement

Montague CWA-24-07

Wastewater Asset Vulnerability Inventory

The project is to develop a tool to manage wastewater assets and to proactively meet requirements within the draft NPDES permit. This project includes inventorying the Town's CWF and collection system asset information, compiling information into the Town's GIS system, determining if any assets are within the 100-year or 500-year flood plains, defining the criticality of each asset, and identifying the highest priority assets.

Asset Management Planning Agreement

Peabody DWA-23-137

Peabody Water Asset Management

The Project will build out and refine data in the City's water GIS to better represent recent records to locate above ground infrastructure such as hydrants and valves.

Lead Service Line Planning Program Commitments and Agreements

Andover DWL-24-31

Service Line Inventory & Replacement Plan

This project was previously submitted to DEP via email on April 10, 2024. The project is to develop an inventory of the Town's existing water services as preparation for compliance with the Lead and Copper Rule Revisions (LCRR), including and electronic inventory per LCRR & MassDEP templates, performance of inspections to understand services line materials, and development of a Lead Service Line Replacement Plan.

Lawrence DWL-24-30

Service Line Inventory & Replacement Plan

The project is to develop an inventory of the City's existing water services as preparation for compliance with the Lead and Copper Rule Revisions (LCRR), including and electronic inventory per LCRR & MassDEP templates, public education & engagement plan, web-tool, performance of inspections to understand service line materials, and development of a Lead Service Line Replacement Plan.

Mansfield DWL-24-28

Service Line Inventories & LSL Replacement Plans

The project is to develop an electronic inventory of the Town's existing water services as preparation for compliance with the Lead and Copper Rule Revisions (LCRR), including an inventory per LCRR & MassDEP templates, performance of inspections to understand service line materials, and development of a Lead Service Line Replacement Plan.

Marshfield DWL-24-27**Marshfield LSL Inventory & Replacement Planning**

The project will begin with a records screening, including the review of record drawings, GIS data, capital improvement plans, master plans, tie cards, and installation and maintenance/repair records. An Excel spreadsheet and a GIS map of service line materials will be developed incorporating information from the records screening. The GIS map will be formatted for publishing on the Town's website. A technical memorandum will be prepared summarizing the findings from the records screening and mapping. Draft required disclosures will be identified and prepared as well. Management of the DWSRF grant application will continue throughout the span of the project. Finally, project closeout documentation will be prepared and submitted to MassDEP. The Marshfield Water Department's PWS number is 4171000.

Maynard DWL-23-55**Service Line Inventory and LSL Replacement Plan**

This project includes establishing a formal inventory of existing water service lines and materials, including water service record review and database creation, field work to identify service line materials, verification of unknown service line materials, desktop inventory database reconciliation and field verification data population, and LCR inventory memorandum.

North Dighton Fire District DWL-24-33**Service Line Inventory & Replacement Plan**

The project is to develop an inventory of the district's existing water services as preparation for compliance with the Lead and Copper Rule Revisions (LCRR), including an electronic inventory per LCCR & MassDEP templates, performance of inspections to understand service line materials, and development of a Lead Service Line Replacement Plan.

Norwood DWL-22-56**Norwood LSL Planning**

This project includes establishing a formal inventory of existing water service lines and materials, including data review and documentation, field investigation support, and summary memorandum.

Spencer DWL-24-29**Drinking Water Lead Service Line Inv and Rep Plan**

This project will be completed for the Town of Spencer (PWS No. 2280000). The work general consists of the collection of available records, the creation of a service line inventory, the creation of a list of unknown service line materials and a ranking for verification that indicates high, medium, and low probabilities of lead, the creation of a GIS shapefile with the inventory database, creation of a list of service lines categorized as lead, galvanized requiring replacement, or lead status unknown, the development of a plan to address service lines categorized as lead, galvanized, requiring replacement, or lead status unknown, and conduction subsurface investigation to confirm material on the public portion of the water service for up to 10 days.

Turners Falls Fire District DWL-23-45**Lead Service Line Inventory**

The work of this project generally consists of collecting available records of service lines, creation of a database of available information collected per service, creation of a list of unknown service line materials and ranking for verification that indicates high, medium, and low probability of lead, creation of a list of services categorized as lead, galvanized requiring replacement, or lead status unknown, and the preparation of a plan to aid the water department with confirming service line material for services with unknown materials.

Walpole DWL-24-32**DW LSL Inventory and Replacement Plan**

The project consists of data collection and development of a lead service line inventory. This information will be used to prepare a removal prioritization list and a lead service removal action plan.

Wilkinsonville Water District DWL-24-26**Drinking Water Lead Service Line Replacement Plan**

This project will be completed for the Wilkinsonville Water District (PWS 2290014). the work generally consists of collection of available records, the creation of a service line inventory, the creation of a list of unknown service line materials and a ranking for verification that indicates high, medium, and low probabilities of lead, the creation of a GIS shapefile with the inventory database, creation of a list of service lines categorized as lead, galvanized requiring replacement, or lead status unknown, the development of a plan to address, service lines categorized as lead, galvanized requiring replacement, or lead status unknown, and conduction home inspections at up to 100 properties to confirm or verify material.

Cybersecurity Improvement Grant Commitments and Agreements**Amherst DWC-24-15**

Cybersecurity Improvement Grant Program

Athol DWC-24-14

Cybersecurity Improvement Grant Program

Attleboro DWC-24-8

Cybersecurity Improvement Grant Program

Ayer DWC-24-2

Cybersecurity Improvement Grant Program

Centerville-Osterville-Marstons Mills Fire District DWC-24-3

Cybersecurity Improvement Grant Program

Framingham DWC-24-9

Cybersecurity Improvement Grant Program

Housatonic Water Works DWC-24-5

Cybersecurity Improvement Grant Program

Littleton DWC-24-11

Cybersecurity Improvement Grant Program

Lunenburg Water District DWC-24-13

Cybersecurity Improvement Grant Program

Merrimac DWC-24-1

Cybersecurity Improvement Grant Program

Middleborough DWC-24-4

Cybersecurity Improvement Grant Program

Palmer Water and Fire District DWC-24-15

Cybersecurity Improvement Grant Program

Rowley DWC-24-16

Cybersecurity Improvement Grant Program

Salem and Beverly Water Supply Board DWC-24-12

Cybersecurity Improvement Grant Program

Southampton DWC-24-7

Cybersecurity Improvement Grant Program

Southbridge DWC-24-10

Cybersecurity Improvement Grant Program

Southwick DWC-24-6

Cybersecurity Improvement Grant Program

Clean Water Commitments

Barnstable CW-23-54

2023 Wastewater Pump Station Improvements

The Project will upgrade the Town of Barnstable's existing Old Colony, Bay Shore Road, Ocean Street, and Gosnold Street wastewater pumping stations to improve reliability, energy efficiency and resiliency.

Haverhill CW-23-14**Pump Station Upgrades**

The Project will implement recommendations of the City's 2016 Wastewater Pumping Station Evaluation and Capital Improvement Plan. The project will replace deficient and aging infrastructure to reduce the risk of failure and potential sewer overflows.

Lynn Water & Sewer Commission CW-21-22**WWTF Initial Capital Improvements**

The Lynn Water and Sewer Commission's project includes modifications and additions to the existing WWTF and collection system pump stations. These improvements are necessary to remain in compliance with effluent requirements, as well as improve and/or repair aging systems and infrastructure at the 40-year-old WWTF and collection system pumping stations. This project will help to maintain the WWTF functionality through the next 20-year operations contract. The project includes upgrades to the Liquids and Solids Handling Processes, improvements to the Site and Building System and improvements to the Collection System Pumping Stations.

Pittsfield CW-24-08**Pittsfield SSES Phase 2**

The City of Pittsfield was awarded a CWSRF planning stage loan in 2022 for the infiltration and Inflow Study and Sanitary Sewer Evaluation Survey Project (CWSRF #7171). The I/I SSES project is currently ongoing and includes a new city-wide I/I study with follow-on Phase 1 sanitary sewer evaluation survey (SSES) investigations. The I/I SSES project aims to assess the condition of the Pittsfield sanitary sewer collection system and provide recommendations for an I/I control plan and rehabilitation capital plan to cost-effectively reduce clean water from entering the wastewater system. This new project includes the second phase of SSES investigation which is subsequent to the first phase of SSES investigations. The Phase 2 SSES investigations will examine priority infiltration subareas and will include CCTV pipe inspections. The goal of this project is to evaluate and recommend repairs for removal of identified sources of infiltration within Pittsfield's collection system.

Drinking Water Commitments**Aquarion Water Company of Massachusetts, Inc. DW-23-134****Oak Pond Well GAC Treatment Facility**

The Project will construct an approximately 1,125 square foot building and install two 12-foot diameter Granular Activated Carbon filter vessels, with a treatment design capacity of 530 gallons per minute. The new treatment facility will include the installation of a backwash waste holding tank and force main to connect to the existing sanitary sewer, and chemical feed systems for disinfection and corrosion control.

Aquarion Water Company of Massachusetts, Inc. DW-23-144

The Project includes the construction of a new water treatment plant to address elevated source water manganese levels at the North Main Street wellfield in Oxford. This project is part of a Corrective Action Plan signed by Aquarion Water Company and MassDEP to strengthen the drinking water system treatment practices in Oxford.

Fall River DW-22-11**Wilson Road Booster Pumping Station**

The City of Fall River seeks financial assistance to construct a new booster pumping station at the Wilson Road Pump Station site to serve the high service zone and industrial park elevated tank and increase resiliency in the City's water system. The booster station will provide a redundant source of supply to the high service zone to ensure adequate operating pressures are maintained in the distribution system at all times. This work is part of the contract bid that includes the Wilson Road Sewer Pump Station funded through CWSRF 6762.

Hopedale DW-23-117**Greene Street WTP PFAS Treatment**

The Project consists of adding PFAS treatment to the WTP that includes construction of two 10-foot diameter pressure vessels containing granular activated carbon (GAC), an additional 8-foot diameter greensand filter, and a sodium thiosulfate system for dechlorination. A new truck pad will be constructed as well for simpler chemical delivery.

Sudbury Water District DW-23-138**East Street WTP PFAS Treatment**

The Project includes construction of a permanent treatment facility consisting of two 10-foot diameter Granular Activated Carbon pressure vessels and four 6-foot diameter ion exchange resin vessels. The vessels will be housed in a building adjacent to the East Street WTP.

West Bridgewater DW-23-124**West Bridgewater Long Term PFAS Compliance**

The Project consists of the construction of a PFAS treatment modification to the Manley Street Water Treatment Facility to comply with the PFAS6 MCL.

Clean Water Agreements**Barnstable CWP-21-49-B****Route 28 East Sewer Expansion Project**

The Town of Barnstable's project includes construction of approximately 11,000 linear feet of gravity sewer and a new pump station. Once operational, the new infrastructure will handle approximately 1.5 million gallons per day (MGD) of average daily flow. This project is the critical element toward building an extensive wastewater collection system that will eventually serve more than 7,000 properties during the town's thirty-year phased Comprehensive Wastewater Management Plan.

Barnstable CWP-23-54**2023 Wastewater Pump Station Improvements**

The Project will upgrade the Town of Barnstable's existing Old Colony, Bay Shore Road, Ocean Street, and Gosnold Street wastewater pumping stations to improve reliability, energy efficiency and resiliency.

Brockton CWP-23-30**Sewer System Rehabilitation Phase 3**

The Project includes up to 10 miles of preparatory cleaning of existing sewer pipe, internal television inspection, cured-in-place (CIP) sewer pipe lining, and rehabilitation of manholes. The work also includes all restoration, bypass pumping, and miscellaneous work and cleanup. Sewer reaches and sewer manholes selected for this project have been identified based on the 2017 sewer flow monitoring program and will be prioritized based on the City's on-going sewer infiltration investigations.

Fall River CWP-21-50**Wilson Road Sewer Pump Station Replacement**

The City of Fall River's project includes full replacement with a submersible pump station, a building to house the generator, electrical equipment and controls, a new 12" force main and lining of 1,500 LF of poorly performing vitrified clay sewer. The project will include an essential water booster pump station on the same parcel, presented in DWSRF PEF 6763. Constructed in 1970 to serve the Fall River Industrial Park and the northeast section of Fall River, the Wilson Road Sewer Pump Station is at the end of its service life, and it has insufficient capacity to handle existing wet weather flows and projected future flows from expansion planned in the Industrial Park.

Harwich CWP-23-19**Harwich Phase 3 Sewer Extension**

The Harwich 2023 Phase 3 Sewer Project will allow the town to continue implementing their approved Comprehensive Wastewater Management Plan (CWMP). This project will continue the sewer implementation called for in the CWMP to address nitrogen loading from septic systems by implementing a wastewater collection system to serve watersheds that impact coastal estuaries. This project will address a portion of the Pleasant Bay Watershed including Muddy Creek Upper and Lower, Round Cove, and Pleasant Bay.

Harwich CWP-23-19-A**Harwich Phase 3 Sewer Extension**

The Harwich 2023 Phase 3 Sewer Project will allow the town to continue implementing their approved Comprehensive Wastewater Management Plan (CWMP). This project will continue the sewer implementation called for in the CWMP to address nitrogen loading from septic systems by implementing a wastewater collection system to serve watersheds that impact coastal estuaries. This project will address a portion of the Pleasant Bay Watershed including Muddy Creek Upper and Lower, Round Cove, and Pleasant Bay.

Haverhill CWP-23-14**Pump Station Upgrades**

The Project will implement recommendations of the City's 2016 Wastewater Pumping Station Evaluation and Capital Improvement Plan. The project will replace deficient and aging infrastructure to reduce the risk of failure and potential sewer overflows.

Lynn Water & Sewer Commission CWP-21-22**WWTF Initial Capital Improvements**

The Lynn Water and Sewer Commission's project includes modifications and additions to the existing WWTF and collection system pump stations. These improvements are necessary to remain in compliance with effluent requirements, as well as improve and/or repair aging systems and infrastructure at the 40-year-old WWTF and collection system pumping stations. This project will help to maintain the WWTF functionality through the next 20-year operations contract. The project includes upgrades to the Liquids and Solids Handling Processes, improvements to the Site and Building System and improvements to the Collection System Pumping Stations.

Marshfield CW-23-18**Plymouth Ave Pump Station Upgrades**

The Project includes a full rehabilitation of the Plymouth Ave Pump Station, force main, wet well, HVAC system, electrical system, and roof system. Many of the components are beyond their intended useful life and are in need of immediate replacement in order to maintain reliable sewer service in the area. The upgrades include concrete repair work in the wet well, replacement of the existing 50 HP dry pit pumps, piping and valves, replacement of the undersized generator, replacement of the outdated HVAC and electrical systems and replacement of the existing asphalt roofing system.

Pittsfield CW-24-08**Pittsfield SSES Phase 2**

The City of Pittsfield was awarded a CWSRF planning stage loan in 2022 for the infiltration and Inflow Study and Sanitary Sewer Evaluation Survey Project (CWSRF #7171). The I/I SSES project is currently ongoing and includes a new city-wide I/I study with follow-on Phase 1 sanitary sewer evaluation survey (SSES) investigations. The I/I SSES project aims to assess the condition of the Pittsfield sanitary sewer collection system and provide recommendations for an I/I control plan and rehabilitation capital plan to cost-effectively reduce clean water from entering the wastewater system. This new project includes the second phase of SSES investigation which is after the first phase of SSES investigations. The Phase 2 SSES investigations will examine priority infiltration subareas and will include CCTV pipe inspections. The goal of this project is to evaluate and recommend repairs for removal of identified sources of infiltration within Pittsfield's collection system.

Upper Blackstone Clean Water CWP-23-21

Standby Power for Resiliency

The Project includes the construction of new facilities to provide standby power for the entire WWTF, including new standby generators and related elements such as switchgear and electrical conduit, as well as additional renewable energy sources to provide resiliency, currently being evaluated for inclusion.

Drinking Water Agreements

Fall River DWP-22-11

Wilson Road Booster Pumping Station

The City of Fall River seeks financial assistance to construct a new booster pumping station at the Wilson Road Pump Station site to serve the high service zone and industrial park elevated tank and increase resiliency in the City's water system. The booster station will provide a redundant source of supply to the high service zone to ensure adequate operating pressures are maintained in the distribution system at all times. This work is part of the contract bid that includes the Wilson Road Sewer Pump Station funded through CWSRF 6762.

Hopedale DWPEC-23-117

Greene Street WTP PFAS Treatment

The Project consists of adding PFAS treatment to the WTP that includes construction of two 10-foot diameter pressure vessels containing granular activated carbon (GAC), an additional 8-foot diameter greensand filter, and a sodium thiosulfate system for dechlorination. A new truck pad will be constructed as well for simpler chemical delivery.

Lynnfield Center Water District DWEC-23-131

Glen Drive WTP & Station 2 Pipeline

The Project includes the construction of a new 0.8 MGD water treatment plant (WTP) for existing water sources and 4,000 LF of transmission main. The WTP will include radon removal, new high lift pumps, greensand pressure vessels, GAC pressure vessels, chemical feed systems, backup generator and associated building mechanical. The Station 2 pipeline project includes 4,000 linear feet of 6" ductile iron transmission main to connect the Station 2 water source to the Glen Drive WTP. The completed project is needed for long-term PFAS compliance, and will mitigate PFAS with the required iron, manganese and radon removal prior to the GAC.

Sharon DWEC-23-123

Wells 2 & 4 Water Treatment Plant

The Project consists of the construction of a permanent treatment facility to reduce PFAS6 and manganese levels in the finished water from Wells 2 & 4.

Stoughton DWPEC-23-122

Muddy Pond Pump Station PFAS Treatment

The Project includes the installation of a new PFAS treatment facility with 2 Granular Activated Carbon pressure vessels to remove PFAS and comply with drinking water regulations.

Sudbury Water District DWEC-23-138**East Street WTP PFAS Treatment**

The Project includes construction of a permanent treatment facility consisting of two 10-foot diameter Granular Activated Carbon pressure vessels and four 6-foot diameter ion exchange resin vessels. The vessels will be housed in a building adjacent to the East Street WTP.

Water Supply District of Acton DWEC-23-126**PFAS Treatment at South Acton WTP**

The Project includes the construction of a building addition at the existing South Acton WTP site to house the equipment needed for PFAS removal. Treatment will include Granular Activated Carbon and/or Ion Exchange. The completed project will improve drinking water quality by reducing high PFAS concentrations.

Webster DWPEC-23-119**PFAS Water Treatment Plants**

The Project consists of the construction of two new PFAS water treatment plants and a meter system upgrade project. The WTPs will remove PFAS to below regulatory limits from both the Memorial Beach and Bigelow Well Sites. The proposed new WTP at the Bigelow site will also remove manganese to below regulatory limits. Two replacement wells will also be installed to improve system redundancy. The water meter upgrade project will significantly reduce the Town's unaccounted for water (UAW).

West Bridgewater DWPEC-23-124**West Bridgewater Long Term PFAS Compliance**

The Project consists of the construction of a PFAS treatment modification to the Manley Street Water Treatment Facility to comply with the PFAS6 MCL.

Winchendon DWP-23-110**Water Transmission Main Replacement**

The Project includes the construction of approximately 21,000 linear feet of new 12" ductile iron water transmission main in Winchendon and Ashburnham. The Project also includes installation of 2 water meter vaults, 2 bridge crossings, and 1 culvert crossing. The Project will replace the existing water main that was installed in the early 1950's and has a history of excessive breaks. The existing water main is the sole transmission water main providing water to the Town of Winchendon and many residents within the Town of Ashburnham.

Loans to Aquarion Water Company of Massachusetts, Inc.

Aquarion Water Company of Massachusetts, Inc. DWEC-23-134

Oak Pond Well GAC Treatment Facility

The Project will construct an approximately 1,125 square foot building and install two 12-foot diameter Granular Activated Carbon filter vessels, with a treatment design capacity of 530 gallons per minute. The new treatment facility will include the installation of a backwash waste holding tank and force main to connect to the existing sanitary sewer, and chemical feed systems for disinfection and corrosion control.

Aquarion Water Company of Massachusetts, Inc. DWEC-23-144

North Main Street Water Treatment Plant

The Project includes the construction of a new water treatment plant to address elevated source water manganese levels at the North Main Street wellfield in Oxford. This project is part of a Corrective Action Plan signed by Aquarion Water Company and MassDEP to strengthen the drinking water system treatment practices in Oxford.