Originally Posted on December 4, 2023 at 10:05 a.m.

MEETING OF THE MASSACHUSETTS CLEAN WATER TRUST BOARD OF TRUSTEES

December 6, 2023
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 November 1, 2023.

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

Item #3 **MOTION- VOTE REQUESTED**
Authorization of a Permanent Transfer of Clean Water SRF Grants funds to Drinking Water SRF Grant funds in the amount of $21,916,640

1. That, pursuant to and as further implementation of the Funds Transfer Program approved by the Board on January 8, 2014, the Board hereby re-affirms and approves the Executive Director's authority to make such transfers between the Clean Water SRF and the Drinking Water SRF as she determines to be necessary in an amount not to exceed 33% of the Drinking Water Grant, including the permanent transfers listed below:

Transfer From	Transfer To	Amount
Clean Water Base Grant	Drinking Water Base Grant	$3,498,660
Clean Water Supplement Grant	Drinking Water Supplemental Grant	$14,917,980
Clean Water Emerging Contaminants Grant	Drinking Water Emerging Contaminants Grant	$3,500,000

2. That the Executive Director is further authorized to take all necessary steps to effectuate such transfer, including executing and delivering all letters, certificates, and other instruments and documents necessary or desirable in connection therewith and obtaining any necessary opinions of counsel.

Item #4 **MOTION- VOTE REQUESTED**

Authorize up to $8,412,000 for the Asset Management Grant Program for the 2024 IUP Solicitation

The Trust designates up to $8,412,000, from the unrestricted funds on deposit in the Equity Funds under the Master Trust Agreement, to offer a continuation of the Asset Management Grant Program on the 2024 IUP Solicitation.

Item #5 **MOTION- VOTE REQUESTED**

Authorize Fair Share Objectives (FSO)

1. That the Board of Trustees of the Trust approves the submission by the Massachusetts Department of Environmental Protection ("MassDEP"), on behalf of MassDEP and the Trust, of the following fair share objectives required by the Disadvantaged Business Enterprise Rule of the Environmental Protection Agency("EPA"):

   Minority Business Enterprises – 4.2%
   Women Business Enterprises – 4.5%

2. That the Board of Trustees of the Trust authorizes the Executive Director of the Trust to takes such steps and to sign such documents, if any, that she deems necessary, on behalf of the Trust, to facilitate the submission of such fair share objectives to EPA.
3. That the Board of Trustees of the Trust designates MassDEP as the lead agency to negotiate the final fair share objectives to be used in connection with financial assistance provided by the Trust to eligible borrowers, subject to prior approval by the Executive Committee of any changes negotiated by MassDEP to the herein approved fair share objectives.

Item #6 **MOTION- VOTE REQUESTED**

Approval of Asset Management Program Grant Commitments and Grant Agreements

PAC No.	Recipient	Amount
DWA-23-115	**Chester**	**$68,100**
CWA-23-44	**Concord**	**$107,970**
DWA-23-120	**Douglas**	**$84,000**
CWA-23-41	**Dover**	**$99,000**
CWA-23-45	**Everett**	**$120,042**
DWA-23-132	**Fitchburg**	**$61,200**
CWA-23-35	**Hadley**	**$72,000**
CWA-23-12	**Hudson**	**$31,800**
CWA-23-46	**Lawrence**	**$129,000**
CWA-23-37	**Littleton**	**$109,500**
CWA-23-55	**New Bedford**	**$150,000**
CWA-23-39	**Rockland**	**$150,000**
DWA-23-114	**Russell**	**$90,600**
CWA-23-23	**Sturbridge**	**$150,000**
CWA-23-32	**Winchendon**	**$81,375**

Item #7 **MOTION- VOTE REQUESTED**

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

PRA No.	Recipient	Amount
DWL-23-147	Groveland	$147,885
DWL-23-145	North Chelmsford Water District	$475,000

Item #8 **MOTION- VOTE REQUESTED**

Approval of Community Septic Management Program Commitment

PAC No.	Borrower	Amount	Interest Rate
CW-23-59	Plymouth	$400,000	2%

Item #9 **MOTION- VOTE REQUESTED**

Approval of Clean Water Commitments

PAC No.	Borrower	Amount	Interest Rate
CW-23-11	Barnstable	$1,125,000	1.5%[1]
CW-22-33	Chatham	$3,605,672[2]	0%[3]
CW-22-67	Fairhaven	$70,000,000[4]	2%
CW-23-55	New Bedford	$111,500	2%
CW-22-63	New Bedford	$29,525,807[5]	2%
CW-23-36	Revere	$10,000,000	1.5%[1]

Item #10 **MOTION- VOTE REQUESTED**

Approval of Drinking Water Commitments

PAC No.	Borrower	Amount	Interest Rate
DW-23-121	Franklin	$6,500,000	1.5%[1]
DW-23-131	Lynnfield Center Water District	$15,000,000	2%
DW-22-02	Mansfield	$7,154,920[6]	0%[7]
DW-23-122	Stoughton	$5,279,500	1.5%[1]
DW-23-116	Woburn	$15,000,000	2%

Item #11 **MOTION- VOTE REQUESTED**

Approval of Community Septic Management Program Loan and Financing Agreement

PAC No.	Borrower	Amount	Interest Rate
CWT-23-59	Plymouth	$400,000	2%

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[1] Housing Choice Loan
[2] First Revision. Previous PAC amount was $2,826,500.
[3] Nutrient Enrichment Reduction Loan
[4] First Revision. Previous PAC amount was $67,219,862.
[5] First Revision. Previous PAC amount was $28,840,000.
[6] First Revision. Previous PAC amount was $6,999,694.
[7] PFAS Remediation Loan

Item #12 **MOTION- VOTE REQUESTED**

Approval of the Clean Water Loans and Financing Agreements

PRA No.	Borrower	Amount	Interest Rate
CW-22-30	Chatham	$15,754,810	0%[3]
CW-22-33	Chatham	$3,605,672	0%[3]
CWP-22-67	Fairhaven	$65,151,891	2%
CWP-22-67-A	Fairhaven	$4,848,109	2%
CWA-23-55	New Bedford	$111,500	2%
CWP-22-63	New Bedford	$26,860,307	2%
CWP-22-63-A	New Bedford	$2,665,500	2%
CWP-22-71	New Bedford	$11,800,950	2%
CWP-22-71-A	New Bedford	$730,000	2%
CWP-22-32	Oak Bluffs	$26,000,000	2%
CW-22-40	Revere	$1,200,000	2%

Item #13 **MOTION- VOTE REQUESTED**

Approval of the Drinking Water Loans and Financing Agreements

PRA No.	Borrower	Amount	Interest Rate
DWPEC-22-23	Abington	$7,297,686	0%[7]
DWPEC-22-02-A	Mansfield	$155,226	0%[7]
DWP-22-46	New Bedford	$10,000,000	2%
DWPEC-22-67	Rockland	$7,297,686	0%[7]
DWP-22-43-A	Somerset	$2,616,965	2%

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, December 6, 2023 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.

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[3] Nutrient Enrichment Reduction Loan

[7] PFAS Remediation Loan

MASSACHUSETTS
CLEAN WATER TRUST

Item #1: *Minutes of the Meeting Held on November 1, 2023*

MEETING OF THE MASSACHUSETTS CLEAN WATER TRUST BOARD OF TRUSTEES

November 1, 2023
1:30 PM

Location: Remote*

Minutes

Attendees: State Treasurer Deborah Goldberg, Chair
Maria Pinaud, Director of Municipal Services, MassDEP
Timur Yontar, Capital Budget Director, Executive Office for Administration & Finance

Also Present: James MacDonald, First Deputy Treasurer, Office of the State Treasurer
Susan Perez, Executive Director, MCWT
My Tran, Treasurer, MCWT
Sally Peacock, Controller, MCWT
Nicole Munchbach, Accountant, MCWT
Pam Booker, Accountant, MCWT
Sunkarie Konteh, Accountant, MCWT
Julian Honey, Program Associate, MCWT
Kailyn Fellmeth, Program Associate, MCWT
Josh Derouen, Senior Program Associate, MCWT
Jonathan Maple, Senior Policy Analyst, MCWT
Kathryn Armour, Data Analyst, MCWT
Robin McNamara, Deputy Director of Municipal Services, MassDEP
Greg Devine, Section Chief, MassDEP
Mary Wilkins, Communications Executive Assistant, Office of the State Treasurer
Makayla Fucile, Special Assistant, Office of the State Treasurer
Jennifer Pederson, Executive Director, MWWA
Emily Kowtoniuk, Legislative Director, Office of the State Treasurer

CALL TO ORDER: The meeting was called to order by Treasurer Goldberg at 1:35 p.m.

Item #1 **MOTION- VOTE**

Acceptance and approval of October 11, 2023 minutes
The motion was made by Mr. Yontar and second by Ms. Pinaud and voted unanimously in favor of acceptance and approval of the minutes of the meeting of the Board held on October 11, 2023.

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

Series 25 Bond Deal
Ms. Perez stated that the Series 25 bond sale is taking place next week. The Trust is issuing $405 million in new money and refunding bonds.

2024 Intended Use Plans (IUP) Capacity
Ms. Perez noted that there is high demand for SRF financing and a significant response to the 2024 IUP solicitation. The Trust and MassDEP are in the process of evaluating capacity.

Lead Service Line (LSL) Planning Grants
Ms. Perez said that there are 116 LSL planning grants, including the grants up for vote today, that have been issued totaling approximately $27 million. There are 82 grants totaling approximately $19 million that have been issued to Disadvantaged Communities.

LSL Grant Allotment
Ms. Perez noted that the 2023 Bipartisan Infrastructure Law (BIL) LSL Replacement Grant was reduced by approximately 50% due to the results of the Drinking Water Infrastructure Needs Survey and Assessment (DWINSA) conducted by MassDEP. The EPA is allowing a one-time resubmission of survey results.

Ms. Pinaud stated that the EPA provided guidance for resubmissions of the DWINSA LSL survey. MassDEP is working with the 56 public water suppliers that participated in the original survey. DEP intends to collect the revised data, review it, and submit it to the EPA. The deadline for resubmissions is November 30, 2023. Based on the DWINSA results, the EPA will make any adjustments to LSL grant allotments by February 24, 2024.

Item #3 **MOTION- VOTE**

The motion was made by Mr. Yontar and seconded by Ms. Pinaud.

Ms. Perez stated that approving this motion will expand the Disadvantaged Communities designation to include Environmentally Disadvantaged Communities, as allowed by the BIL Emerging Contaminants and Lead Service Line Removal grants. All communities at risk of negative health effects from the presence of lead or PFAS in drinking water will be considered Environmentally Disadvantaged Communities, as determined by MassDEP and noted in the IUPs.

The motion was voted unanimously in favor of acceptance and approval of the following:

Expand the Definition of Disadvantaged Community for Certain Purposes

1. That the Trust approve the definition of "Disadvantaged Community" for the Drinking Water State Revolving Fund for purposes of the Bipartisan Infrastructure Law ("BIL") to include public water systems or municipalities that either (i) qualify under new criteria described below based on environmental factors (such community, an "Environmentally Disadvantaged Community") or (ii) qualify under the Trust's existing three-tiered affordability criteria.
2. That the criteria for designation as an Environmentally Disadvantaged Community shall be that the people living in or served by the public water system or municipality are at risk for negative health effects due to the presence in the community of PFAS contamination and/or lead in the community's water supply or service lines, all as determined by the Department of Environmental Protection ("DEP").
3. That designation as an Environmentally Disadvantaged Community for a particular year will confer eligibility for additional subsidy provided with funds made available by the Bipartisan Infrastructure Law only for the projects of such community on that year's Intended Use Plans ("IUPs") that DEP has identified as mitigating the environmental factors responsible for such designation; such designation will not confer eligibility for additional subsidy on any other projects by such Environmentally Disadvantaged Community.
4. That such definition and all designations of Environmentally Disadvantaged Communities shall be retroactive to the effective date of the Bipartisan Infrastructure Law.
5. That the Trust authorizes and directs the Executive Director, and such other officers of the Trust as the Executive Director may delegate, to perform all such additional acts, not inconsistent with this vote, as may be necessary or desirable in effecting the purposes of this vote, including without limitation any actions by the Trust required to amend existing IUPs to incorporate designations of Environmentally Disadvantaged Communities.

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 Commitments and Grant Agreements

PAC No.	Recipient	Amount
DWA-23-11	**Chester**	**$68,100**
CWA-23-28	**Harwich**	**$75,000**
CWA-23-13	**Haverhill**	**$150,000**
CWA-23-49	**Lowell**	**$150,000**
DWA-23-11	**Russell**	**$90,600**

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

PRA No.	Recipient	Amount
DWL-23-111	**Aquarion Water Company – Oxford**	**$167,000**
DWL-23-113	**Aquarion Water Company – Springdale Farms**	**$107,200**
DWL-23-112	**Holden**	**$154,300**
DWL-23-34	**Wilbraham**	**$193,000[1]**

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 Clean Water Commitments

PAC No.	Borrower	Amount	Interest Rate
CW-22-59	**Falmouth**	**$31,265,218[2]**	**2%**
CW-23-09	**Lawrence**	**$410,000**	**1.5%[3]**

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 the Clean Water Loans and Financing Agreements

PRA No.	Borrower	Amount	Interest Rate
CWP-22-59	**Falmouth**	**$27,202,218**	**2%**
CWP-22-59-A	**Falmouth**	**$4,063,000**	**2%**
CW-23-09	**Lawrence**	**$410,000**	**1.5%[3]**
CW-22-46	**Nahant**	**$1,191,582**	**2%**

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 the Drinking Water Loans and Financing Agreements

PRA No.	Borrower	Amount	Interest Rate
DWP-22-41	**Barnstable Fire District**	**$6,983,405**	**0%[4]**
DW-22-37	**MWRA**	**$6,000,000**	**2%**

OTHER BUSINESS: None.

ADJOURN: The motion was made by Ms. Pinaud and seconded by Mr. Yontar and voted unanimously in favor of adjourning the meeting at 1:45 p.m.

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[1] First revision. Previous grant amount was $160,000

[2] First revision. Previous PAC amount $24,000,000.

[3] Housing Choice Loan

[4] PFAS Remediation Loan

LIST OF DOCUMENTS AND EXHIBITS USED:

1. Minutes, October 11, 2023
2. Project Descriptions

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MASSACHUSETTS
CLEAN WATER TRUST

Items #2 through #5 ***(No Reference Documents)***

MASSACHUSETTS
CLEAN WATER TRUST

Items #6 through #13 *Project Descriptions*

Project Descriptions for December 6, 2023

Board of Trustees Meeting

Asset Management Planning Commitments and Agreements

Chester DWA-23-115
The Project will develop an all-encompassing GIS-based AMP to further advance the 2021 Asset Management Plan to capture institutional knowledge of the system.

Concord CWA-23-44
The Project is to develop an Asset Management Plan (including all elements of a Fiscal Sustainability Plan) for the Town's wastewater infrastructure assets. The Town of Concord would like to develop a long-term plan to sustainably manage its wastewater assets and ensure compliance as required by Massachusetts Department of Environmental Protection (MassDEP) as part of the Clean Water State Revolving Loan Fund (CWSRF) application process. The objective of this Asset Management Plan is to expand and build upon the work completed from the existing wastewater treatment plan (WWTP) asset inventory and work completed as part of the Facility Plan, reviewing existing data and update LoF for Town wastewater infrastructure.

Douglas DWA-23-120
The Project will develop a comprehensive Asset Management Plan (AMP) for the Town's water system to establish a proactive maintenance style. The goals of the AMP are to create a defendable risk-based AMP and capital improvement planning methodology, develop inventory and perform condition assessments at sewer facilities, estimate the cost of maintenance and renewal in future years, and develop existing GIS data to help manage Town assets.

Dover CWA-23-41
The Town seeks a high-level understanding of its stormwater assets including location, general condition, and needs for repairs and potential replacements. The Town is also interested in developing priority ranking for improvements as well as approximate costs. The project will assist the Town in long term asset management and help in the pursuit and apportionment of funding for repairs and replacements.

Everett CWA-23-45
The Project will develop an all-encompassing Asset Management Plan (AMP) to drive a proactive maintenance operations style to provide their desired level of service (LOS) at the lowest possible cost. The AMP is focused on the stormwater conveyance system contributing to the Spring Street and Garden Street trunklines within the Triangle District. The goals of the project are to: further develop the stormwater asset inventory and create a hydrologic and hydraulic model of the major stormwater trunklines; use the model to evaluate the existing LOS of the stormwater piping system; create a risk-based AMP and capital improvement planning methodology to guide decision-making and prioritize infrastructure rehab, replacement and maintenance activities.

Fitchburg DWA-23-132
The Project will continue the Town's Asset Management efforts for the water system to update its water distribution system's asset inventory and hydraulic model while conforming to the Level of Service (LoS) for the utility.

Hadley CWA-23-35
This Project will assist the Town in developing a comprehensive asset management plan to help the Town work towards more proactive maintenance. The goals of the proposed AMP are as follows: Create a defendable risk-based AMP and capital improvement planning methodology to guide decision making and help prioritize infrastructure rehabilitation, replacement and maintenance activities, develop inventory and perform condition assessments at the Town-owned and operated sewer pump stations and WWTF, estimate cost of asset maintenance and renewal in future years to justify necessary rate increases needed to maintain sewer infrastructure, and preliminary interconnection with Amherst to gauge feasibility of a possible connection for discharge.

Hudson CWA-23-12
The Project is to ensure the long-term sustainability of the WWTF and the Main Street Pump Station by developing a tool, an Asset Management Plan, that will assist managers in making decisions on when it is most appropriate to repair, replace, or rehabilitate assets. By developing a long-term funding strategy, the managers can ensure the utility's ability to deliver the required level of service in perpetuity.

Lawrence CWA-23-46
In the face of changing climate patterns that are increasing the frequency and severity of rainfall, the City proposes to update and advance its Municipal Separate Storm Sewer System (MS4) Asset Management and Fiscal Sustainability Plan (6/30/2016). This project will conduct additional structural condition assessment on targeted and previously unassessed priority assets, review existing data and videos, and develop of Likelihood of Failure (LoF) for City stormwater drainage infrastructure. Completion of this assessment will allow the City to finalize a 5-year CIP for stormwater drainage system assets and advance an integrated Stormwater Master Plan, inclusive of program, compliance policy, and operations needs and goals.

Littleton CWA-23-37
The AMP Project would help the Town understand the condition and vulnerabilities of the drainage system. The plan would assist the Town in establishing a proactive stormwater system maintenance, repair, and replacement program and to help with budgeting needs. The objectives of this AMP are to expand the existing stormwater asset inventory and condition data, identify critical assets within the system, update attribute GIS data, determine an appropriate level of service, move to a more proactive O&M program, perform a funding analysis, and assist with ongoing MS4 permit requirements.

New Bedford CWA-23-55
The Project seeks to enhance the success of the City's existing AMP to: -Provide upgrades to the City's asset management hardware and software to better distribute the information and reporting of data throughout the City and community -Support development of a more efficient and streamlined capital planning process for the City's water, wastewater and stormwater pipeline networks in conjunction with street pavement and other, outside utility systems -Provide an interface for the public to use to learn and be kept up to date on the progress of capital projects -Support the transition of existing asset management systems to cloud-based platforms -Stay in compliance with the 2012 Administrative Order.

Rockland CWA-23-39
The Project is to complete an asset inventory of the Town's existing Wastewater and Stormwater Infrastructure to better understand the utilities existing condition, network connectivity and maintenance needs with the goal of better management of the Town's infrastructure. Having updated information is critical for the Town to make assessments on repairs and rehabilitation projects and will also assist in financial planning for the Town's Sewer and Highway staff for capital improvements. Having a robust Asset Management Plan (AMP) will be a critical resource as the community deals with aging infrastructure, changing climates and environmental needs now and in the future.

Russell DWA-23-114
The Project will capture and digitize the institutional knowledge and insight of Town employees as part of an asset management plan (AMP) by developing horizontal and vertical inventories. The water and sewer systems will be digitized in a Geographic Information System (GIS), allowing for a more proactive approach to managing and funding the infrastructure.

Sturbridge CWA-23-23
The Project will conduct an intensive condition assessment of the Town's water and sewer infrastructure, including field visits to the Town's vertical water and sewer infrastructure. This project will assist the Town in developing a comprehensive Asset Management Plan (AMP) to establish a proactive maintenance operations style and to build upon their risk and resiliency efforts. An AMP will help the Town provide their desired level of service at the lowest possible cost.

Winchendon CWA-23-32
The Town does not have a capital improvement plan nor a comprehensive understanding of the condition of the culverts or stormwater BMPs beyond the institutional knowledge of long-time employees. The Town needs to gain a better understanding of the location and condition of its infrastructure. The Project is to prepare an inventory of the Town's stormwater drainage system, document institutional knowledge, develop a risk-based capital improvement program including field assessments of large high-priority culverts, define level of service goals, and provide an overview of funding opportunities for capital improvement projects.

Lead Service Line Planning Program Commitments and Agreements

Groveland DWL-23-147
The project will consist of preliminary records screening, including review of record drawings and capital improvement/master plans, as well as digitization of record drawings valve/tie cards into the coordination with the Merrimack Valley Planning Commission to develop protocols for updating the systems GIS and maps. A technical memorandum of findings from the records screening and mapping will be prepared.

North Chelmsford Water District DWL-23-145
This work will include investigation of unknown service lines utilizing a combination of machine learning technology and service line inspections, development of Lead Service Line (LSL) inventory tool to publicly display mapping of the district's existing inventory, provide updates to the Client's existing water system geographic information systems (GIS) and assistance with submitting the MassDEP service live inventory template and replacement plan development.

Community Septic Management Program Commitment

Plymouth CW-23-59
Community Septic Management Program

Clean Water Commitments

Barnstable CW-23-11
The Project will remove approximately half of the Town's existing vacuum sewer system and replace it with a gravity sewer extension.

Chatham CW-22-33
The Town of Chatham seeks to upgrade the existing Mill Pond wastewater pumping station that is receiving increased wastewater flow from newly constructed sewer extensions and to provide future capacity for new sewer extensions. These sewer extensions, a component of Chatham's Comprehensive Wastewater Management Plan (CWMP), will allow the Town to continue implementing the Town's approved CWMP to achieve nitrogen TMDL compliance in the coastal estuaries including Stage Harbor.

Fairhaven CW-22-67
The Town of Fairhaven seeks essential upgrades to the WWTF to address stringent total nitrogen permit limits by 10/1/2026 and replace aging/obsolete infrastructure. Meeting the TN limit requires the upgrade of existing secondary treatment systems to a Modified Ludzak-Ettinger (MLE) format and the addition of a new tertiary denitrification filter system. The project includes numerous equipment, mechanical, and electrical upgrades.

New Bedford CW-22-63
The City of New Bedford's pumping station upgrades are for two pumping stations: Shawmut Avenue and Howland Street. These improvements are based on the City's January 2017 Long Term CSO Control and Integrated Capital Improvements Plan.

Revere CW-23-36
The Phase 14 Construction Project will include the removal of inflow/infiltration (I/I) from the City's sewer system. Construction will include the redirection of public and private inflow sources discovered during the Phase 14 Investigations in addition to IDDE source removal, and drainage improvements and pump station improvements (both stormwater and wastewater). Illicit connections, including sump pumps, roof leaders, etc. will be removed from the City's sewer system in order to remove inflow and increase wastewater capacity. These projects are consistent with the City's CWMP/CSMP and ongoing Consent Decree. Construction will also include CIPP lining, sewer spot repairs, replacements, new sewer lines, cleaning and additional metering.

Drinking Water Commitments

Franklin DW-23-121
This project is subject to BABA. The Project consists of treatment of per- and polyfluoroalkyl substances (PFAS) detected at the Well 7/7A located off Elizabeth Ave in Franklin, likely using GAC.

Lynnfield Center Water District DW-23-131
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.

Mansfield DW-22-02
The Town of Mansfield seeks the installation of new gravel pack wells to replace the existing wellfield to reduce maintenance requirements, and construction of a new GAC-based PFAS treatment system to allow the source to distribute water meeting all regulatory criteria. The project will involve installation and testing of new groundwater wells, construction of a new water filtration facility, upgrades to existing electrical and controls systems to replace aging infrastructure and accommodate the new wells and treatment building, and associated site improvements.

Stoughton DW-23-122
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.

Woburn DW-23-116
The Project includes the addition of granular activated carbon (GAC) treatment for removal of six perfluoroalkyl substances (PFAS6) at the existing 4 million gallon per day (MGD) Horn Pond Water Treatment Plant (WTP). This GAC treatment is the MassDEP-approved Long Term Corrective Action Plan (LTCAP) to address two exceedances of the PFAS6 Maximum Contaminant Level (MCL). The GAC treatment will be installed following the existing manganese removal filters. The project also includes SCADA system and Cybersecurity upgrades to the original controls system installed in 2002, as well as replacement of the groundwater supply well pumps and motors, and replacement of the manganese removal filter media.

Community Septic Management Program Agreement

Plymouth CWT-23-59
Community Septic Management Program

Clean Water Agreements

Chatham CW-22-30
The Town of Chatham seeks to extend sewers to serve portions of the Stage Harbor watershed. The sewer extension will allow the Town to continue implementing the approved Comprehensive Wastewater Management Plan (CWMP) and addressing nitrogen loading from septic systems by extending the wastewater collection system to serve properties within the watersheds impacting the Town's coastal estuaries.

Chatham CW-22-33
The Town of Chatham seeks to upgrade the existing Mill Pond wastewater pumping station that is receiving increased wastewater flow from newly constructed sewer extensions and to provide future capacity for new sewer extensions. These sewer extensions, a component of Chatham's Comprehensive Wastewater Management Plan (CWMP), will allow the Town to continue implementing the Town’s approved CWMP to achieve nitrogen TMDL compliance in the coastal estuaries including Stage Harbor.

Fairhaven CWP-22-67
The Town of Fairhaven seeks essential upgrades to the WWTF to address stringent total nitrogen permit limits by 10/1/2026 and replace aging/obsolete infrastructure. Meeting the TN limit requires the upgrade of existing secondary treatment systems to a Modified Ludzak-Ettinger (MLE) format and the addition of a new tertiary denitrification filter system. The project includes numerous equipment, mechanical, and electrical upgrades.

Fairhaven CWP-22-67-A
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New Bedford CWA-23-55
The Project seeks to enhance the success of the City's existing AMP to: -Provide upgrades to the City's asset management hardware and software to better distribute the information and reporting of data throughout the City and community -Support development of a more efficient and streamlined capital planning process for the City's water, wastewater and stormwater pipeline networks in conjunction with street pavement and other, outside utility systems -Provide an interface for the public to use to learn and be kept up to date on the progress of capital projects -Support the transition of existing asset management systems to cloud-based platforms -Stay in compliance with the 2012 Administrative Order.

New Bedford CWP-22-63
The City of New Bedford's pumping station upgrades are for two pumping stations: Shawmut Avenue and Howland Street. These improvements are based on the City's January 2017 Long Term CSO Control and Integrated Capital Improvements Plan.

New Bedford CWP-22-63-A
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New Bedford CWP-22-71
The City of New Bedford seeks improvements to the wastewater treatment plant through four contracts: Contract 1 - Alkalinity Addition will provide a magnesium hydroxide storage building and feed system to improve the alkalinity at the City's WWTP. Contract 2 - Instrumentation and Controls will provide upgrades to the current supervisory control and data acquisition (SCADA) at the WWTP to better and more efficiently operate and control the facility. Contract 3 - Roof Repairs will provide replacement of the roof membranes of both the Headworks Building and Primary Air Handling Building. Contract 4 - Building Repairs will include repairs to existing building-related issues throughout the plant, such as patching leaks and upgrading equipment.

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Oak Bluffs CWP-22-32
The Town of Oak Bluffs seeks Advanced Wastewater Treatment to upgrade the existing Oak Bluffs Wastewater Treatment Facility's biological nitrogen removal (BNR) treatment process to an enhanced nitrogen removal (ENR) process for the purpose of reducing the net effluent nitrogen discharged to the Lagoon Pond watershed (which has been issued a TMDL to total nitrogen). The upgrade is designed for an average flow of 0.25 MGD and a maximum month flow of 0.62 mgd.

Revere CW-22-40
The City of Revere's Phase 14 Field Investigations, Illicit Discharge and Eliminations (IDDE), and Illicit Connections and Sump Pump Investigations Programs will include IDDE, CCTV of drains and sewers throughout the City, dye testing, smoke testing, wastewater and stormwater pump station inspections, and inspections of private homes and businesses to identify sources of inflow from sump pumps, roof leaders, roof drains, driveway drains, yard drains, and other sources of inflow. The findings of these investigations will be incorporated in the City's future construction projects to address the detected deficiencies.

Drinking Water Agreements

Abington DWPEC-22-23
The Abington-Rockland Joint Water Works' project includes the construction of permanent PFAS treatment solutions at the Hannigan and Myers Avenue WTPs. Currently the ARJWW is depending on temporary PFAS treatment at both plants in the form of a retrofitted GAC pressure filter at Myers Avenue and injected PAC slurry in the raw water at Hannigan. Permanent solutions are needed by the Joint Water Works and required by the state. In addition to PFAS treatment, much needed plant upgrades are required which include a new filter building with redundancy to replace the single ABW filter at Hannigan WTP and capacity improvements at Myers Avenue including installation of a new clearwell, filter backwash pumps, finished water pumps and reactivation of Well No. 4 at Myers Avenue WTP.

Mansfield DWPEC-22-02-A
The Town of Mansfield seeks the installation of new gravel pack wells to replace the existing wellfield to reduce maintenance requirements, and construction of a new GAC-based PFAS treatment system to allow the source to distribute water meeting all regulatory criteria. The project will involve installation and testing of new groundwater wells, construction of a new water filtration facility, upgrades to existing electrical and controls systems to replace aging infrastructure and accommodate the new wells and treatment building, and associated site improvements.

New Bedford DWP-22-46

The City of New Bedford's Quittacas Water Treatment Plant (QWTP) Upgrades project is the second phase of the QWTP upgrades. The QWTP was constructed in the 1970's and no major upgrade has been completed since. Phase 1 was just completed and included upgrades to the electrical distribution system. This phase includes upgrades to the remaining major equipment such as the HVAC system, SCADA, and process areas to ensure the plant continues to function safely and properly.

Rockland DWPEC-22-67

The Abington-Rockland Joint Water Works' project includes the construction of permanent PFAS treatment solutions at the Hannigan and Myers Avenue WTPs. Currently the ARJWW is depending on temporary PFAS treatment at both plants in the form of a retrofitted GAC pressure filter at Myers Avenue and injected PAC slurry in the raw water at Hannigan. Permanent solutions are needed by the Joint Water Works and required by the state. In addition to PFAS treatment, much needed plant upgrades are required which include a new filter building with redundancy to replace the single ABW filter at Hannigan WTP and capacity improvements at Myers Avenue including installation of a new clearwell, filter backwash pumps, finished water pumps and reactivation of Well No. 4 at Myers Avenue WTP.

Somerset DWP-22-43-A

The Town of Somerset seeks the replacement of a booster pump station to re-establish the high service area in the Town's distribution system. The current booster pump station is no longer operable, requiring the distribution system to operate at one pressure zone. Replacement of the booster pump station will allow re-establishment of the high service zone, which will reduce the total dead water storage within the distribution system and lower water age. A TTHM removal system will also be added to the tanks within the low service area to address disinfection by-products exceedances.