

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

May 1, 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 April 3, 2024.

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

Item #3 **MOTION- VOTE REQUESTED**

Engagement of Financial Advisor Services Consultants

1. That the recommendation of the Procurement Management Team, established pursuant to the Trust's Request for Qualifications: Pre-Qualification for Financial Advisor Services dated March 1, 2024 ("the FA-RFQ"), is approved.
2. The Board hereby delegates authority to the Executive Director to negotiate, reach agreement, and execute a contract or contracts with the selected financial advisor services consultants in accordance with the FA-RFQ, and to take all such further actions necessary to finalize the engagement of said consultants.

Item #4

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-24-16	Boylston Water District	\$75,000
DWL-22-54	Brockton	\$640,000 ¹
DWL-24-19	Canton	\$385,080
DWL-22-12	Fall River	\$1,150,000 ²
DWL-22-60	Hamilton	\$241,800 ³
DWL-24-18	Hingham	\$475,036
DWL-24-06	Lowell	\$123,300
DWL-24-17	North Attleborough	\$531,000
DWL-23-64	Southwick	\$231,300 ⁴
DWL-24-07	Wellesley College	\$16,400

Item #5

MOTION- VOTE REQUESTED

Approval of Community Septic Management Program Commitment

<u>PAC No.</u>	<u>Borrower</u>	<u>Amount</u>	<u>Interest Rate</u>
CW-24-04	Hanson	\$500,000	2%

Item #6

MOTION- VOTE REQUESTED

Approval of Clean Water Commitments

<u>PAC No.</u>	<u>Borrower</u>	<u>Amount</u>	<u>Interest Rate</u>
CW-22-06	MWRA	\$6,890,572 ⁵	2%
CW-22-08	MWRA	\$41,114,486 ⁶	2%
CW-22-09	MWRA	\$1,994,942 ⁷	2%
CW-23-61	MWRA	\$2,000,000 ⁸	2%
CW-24-03	Revere	\$3,000,000	1.5% ⁹

¹ Second Revision. Previous Grant Amount was \$576,800.

² First Revision. Previous Grant Amount was \$750,000.

³ Second Revision. Previous Grant Amount was \$100,000.

⁴ First Revision. Previous Grant Amount was \$216,300.

⁵ First Revision. Previous PAC amount was \$2,565,399.

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

⁷ Second Revision. Previous PAC amount was \$1,570,000.

⁸ First Revision. Previous PAC amount was \$1,000,000.

⁹ Housing Choice Loan

Item #7 **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- Millbury	\$3,195,803	2%
DW-23-144	Aquarion Water Company- Oxford	\$3,028,000	2%
DW-22-37	MWRA	\$9,610,474 ¹⁰	2%
DW-23-142	MWRA	\$13,421,178 ¹¹	2%

Item #8 **MOTION- VOTE REQUESTED**

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-24-04	Hanson	\$500,000	2%

Item #9 **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>
CW-22-06	MWRA	\$6,890,572 ¹²	2%
CW-22-08	MWRA	\$41,114,486 ¹³	2%
CW-22-09	MWRA	\$1,994,942 ¹⁴	2%
CW-23-61	MWRA	\$2,000,000 ¹⁵	2%

Item #10 **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>
DW-22-37	MWRA	\$9,610,474 ¹⁶	2%
DW-23-142	MWRA	\$13,421,178 ¹⁷	2%

Item #11 **MOTION- VOTE REQUESTED**

Approval of School Water Improvement Grants

<u>Grant No.</u>	<u>Grantee</u>	<u>Grant Amount</u>
SWIG-24-15	Academy Preschool	\$6,000
SWIG-24-16	Applewild School Inc	\$12,000
SWIG-24-17	Holy Family Academy	\$6,000
SWIG-24-18	Melrose Day Care Center Inc	\$3,000
SWIG-24-19	Suzy's School Inc	\$3,000

¹⁰ First Revision. Previous PAC amount was \$6,000,000.

¹¹ First Revision. Previous PAC amount was \$1,000,000.

¹² First Revision. Previous PRA amount was \$2,565,399.

¹³ First Revision. Previous PRA amount was \$1,000,000.

¹⁴ First Revision. Previous PRA amount was \$1,570,000.

¹⁵ First Revision. Previous PRA amount was \$1,000,000.

¹⁶ First Revision. Previous PRA amount was \$6,000,000.

¹⁷ First Revision. Previous PRA amount was \$1,000,000.

Item #12

MOTION- VOTE REQUESTED

Authorization of Loan Forgiveness for 2022 Projects

That the Board hereby approves principal forgiveness for Loans to the Borrowers, for the 2022 Clean Water Projects and 2022 Drinking Water Projects, in the amounts, all as listed in Schedules 1 and 2; subject to the availability of funds therefor and to the terms and conditions of the Financing Agreements.

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, May 1, 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 April 3, 2024*

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

April 3, 2024
1:30 PM

Location: Remote*

Minutes

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

Also Present: James MacDonald, First Deputy Treasurer, Office of the State Treasurer,
Designee
Susan Perez, Executive Director, MCWT
My Tran, Treasurer, MCWT
William Kalivas, Treasury Specialist, MCWT
Sally Peacock, Controller, MCWT
Nicole Munchbach, Assistant Controller, MCWT
Julian Honey, Program Associate, MCWT
Josh Derouen, Senior Program Associate, MCWT
Rachel Stanton, Investor Relations and Communications Graphic
Designer, MCWT
Jonathan Maple, Senior Policy Analyst, MCWT
Lilla Dick, Section Chief, MassDEP
Greg Devine, Section Chief, MassDEP
Kathryn Armour, Data Analyst, MCWT
Makayla Fucile, Special Assistant, Office of the State Treasurer
Robin McNamara, Deputy Director of Municipal Services, MassDEP
Mikaela Cole, Deputy Communications Director, Office of the State
Treasurer

CALL TO ORDER: The meeting was called to order by Treasurer Goldberg at 1:33 p.m.

Item #1

MOTION- VOTE

Acceptance and approval of minutes of the meeting held on March 6, 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 March 6, 2024.

Item #2

REPORT OF THE EXECUTIVE COMMITTEE

2024 Intended Use Plans (IUPs)

Ms. Perez stated that the final 2024 Clean Water and Drinking Water IUPs have been published.

Lead Service Line (LSL) Grant Program

Ms. Perez stated that as of this meeting, there have been over \$30 million in LSL grants issued to communities across the Commonwealth.

Cape Cod and Islands Water Protection Fund (CCIWPF)

Ms. Perez stated that the CCIWPF Board has amended their bylaws to restructure their subsidy approach to the one developed by the Trust where full loan amounts will be put into repayment and subsidy will come in the form of debt service assistance.

Cybersecurity Grant Program

Ms. Perez stated that the drinking water cybersecurity grant program for Small Systems and Disadvantaged Communities will be launched soon.

Item #3

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 Lead Service Line Planning Program Grant Commitments and Grant Agreements

<u>PRA No.</u>	<u>Recipient</u>	<u>Amount</u>
DWL-24-12	Bridgewater	\$360,514
DWL-24-14	Manchester-by-the-Sea	\$146,000
DWL-24-09	Rockport	\$190,000
DWL-24-11	Sharon	\$286,464
DWL-24-10	Waltham	\$273,500
DWL-24-13	Wellesley	\$109,000

Item #4

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-23-33	Kingston	\$6,485,500	2%
CWP-23-33-A	Kingston	\$557,500	2%

Item #5

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 School Water Improvement Grants

<u>Grant No.</u>	<u>Grantee</u>	<u>Grant Amount</u>
SWIG-24-13	Christa McAuliffe Charter School	\$3,000
SWIG-24-14	Kiddosland Child Development Center	\$6,000

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 1:41 p.m.

LIST OF DOCUMENTS AND EXHIBITS USED:

1. Minutes, March 6, 2024
2. Project Descriptions

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



Item #2 (*No Reference Documents*)



***Item #3 Engagement of Financial Advisor Services
Consultants***



MEMORANDUM

TO: Massachusetts Clean Water Trust Board of Trustees

FROM: Procurement Management Team:
Susan Perez, Executive Director, Massachusetts Clean Water Trust
Nathaniel Keenan, Deputy Director, Massachusetts Clean Water Trust
My Tran, Treasurer, Massachusetts Clean Water Trust

CC: Jonathan Maple, Senior Policy Analyst - Massachusetts Clean Water Trust

SUBJECT: Request for Qualifications for Financial Advisory Services
Recommendation of the Procurement Management Team

DATE: May 1, 2024

The following constitutes a summary of the process utilized in the evaluation of a Request for Qualifications ("RFQ"), dated March 1, 2024, to qualify firms to provide financial advisory ("FA") services to the Massachusetts Clean Water Trust ("Trust"), and the subsequent recommendations of the Procurement Management Team ("PMT").

Firms selected through this RFQ will be placed in a pool of qualified FAs from which the Trust will choose for future bond issuance related transactions, program operational support, and any other Trust related projects. The qualification will last for a period of three years with the potential for a one-year extension.

The procedures for evaluating responses were detailed in the RFQ. The evaluation criteria focused on the following key areas:

- a. **Staffing:** Evaluation of the firm's response in detail of the team that was identified to serve as the Trust's FA team and their relevant credentials. Consideration of the firm's organizational details and revenues for the firm for FA services as a percentage of total firm revenue. Review of the details related to firm's affirmative action program and activities.
- b. **Financial Advisory Experience:** Evaluation of the firm's demonstrated understanding of the role of an FA in assisting an issuer, especially as it pertains to the issuance of debt in a State Revolving Fund (SRF) for both competitive and negotiated sales and the specific examples of bond transactions by the proposed team for issuers similar to the Trust. Assess the firm's response as it related to the resources and analytical tools utilized to analyze debt restructuring, refunding opportunities, modeling, technical analysis, rebate analysis and current market information. Evaluation of the team's experience with combined Clean Water and Drinking Water SRF financing with individual program reporting requirements. Reviewed the discussion ESG investment versus green bonds and the cost benefits for the Trust and investor interest.

- c. **Bond Pricing Advisory Experience:** Evaluation of the firm’s description of processes for providing support and analysis to issue debt from pre-pricing, actual pricing, and post pricing. Reviewed the discussion of various industry yield curves, MMD and BVAL and the firm's use of each in its pricing support and evaluated firm’s discussion on the potential impact to investors. Evaluation of the firm’s use of software tools during the process and analysis provided and examples that demonstrated the firm's abilities in this role.
- d. **Transition.** Evaluation of the firm’s approach to commencement of the engagement, specifically the detailed steps, timelines data and methodology the firm would employ to confirm the completeness of the transition. Review of the firm’s response as to firm's process to manage and maintain the Trust's cash flows and the discussion of any software or database to be used. Analyze the team’s experience capacity calculations for each of the CW and DW programs as well as programmatic projections.
- e. **Value Add.** Evaluation of suggestions related to process improvements and the firm’s approach to updating clients on new market developments and innovative financing products. Review of the firm’s ongoing education and training opportunities provided to clients.
- f. **Overall.** Firms were also given additional credit if they were minority, women or veteran-owned businesses.
- g. **The Firm’s Cost Proposal.**

The PMT separately scored the cost proposals to evaluate the potential cost of specified activities. Technical content constituted 80% and cost 20% of the overall score. The PMT also issued a “Best and Final Offer” proposal to the firms to further assist with its cost evaluation.

A total of three firms responded to the RFQ, listed below:

**Masterson Advisors
Omnicap Group
PFM**

Firms scoring the highest demonstrated relevant experience in providing financial advisory services to similar clients as the Trust. Additionally, firms demonstrated the ability to perform the scope of services, including the use of analytical tools and resources for bond transactions, providing examples of deliverables, and examples and timelines of transitions. The firms demonstrating a strong knowledge of the Trust’s operations and a thoughtful and detailed transition plan scored well. Consideration was given to the firm’s value add for innovative ideas, and training opportunities.

Based on the evaluation and scoring of both the technical content and cost proposals, the PMT is recommending the following three firms be qualified to provide FA services to the Trust:

**Masterson Advisors
Omnicap Group
PFM**

Selection to the general pool of financial advisors as a result of this RFQ does not constitute a commitment by the Trust to award a contract to any firm.



Items #4 through #10 *Project Descriptions*

Project Descriptions for May 1, 2024

Board of Trustees Meeting

Lead Service Line Planning Program Commitments and Agreements

Boylston Water District DWL-24-16

Service Line Inventories & LSL Replacement Plan. The work of this project generally consists of preparing a comprehensive Lead Service Line Inventory and database for both the public and private portions of water services that will be made publicly available. The database will be built using available digital and paper records, MassGIS database, assessor's database, and based on information included in the EPA's Service Line Inventory Guidance. A list of addresses with unknown service line materials will be created with associated high, medium, and low probability of lead rankings. Schedule and conduct up to 20 days of home inspections focusing on locations determined to have a high probability of lead. Prepare a plan to aid with confirming service line materials for services with unknown material and how to fund and fully remove any lead service lines connected to the distribution system.

Brockton DWL-22-54

Lead Service Line Replacement Program - Phase I. The City of Brockton seeks to develop a detailed electronic database and map of the various components of the water service lines. The city will utilize the service tie cards which are currently in paper and/or electronic format to develop a detailed electronic service line inventory. The planning phase will also include developing Lead Service Line Replacement Program Plan, conducting public outreach, and inventory verification which includes developing and providing customer application and field verification (house to house inspections/ test pit oversight).

Canton DWL-24-19

Service Line Inventory & LSL Replacement Plan. The Town of Canton water system (PWSID 4050000) currently has approximately 8,800 accounts and 7,300 service connections and dates back to the 1890s. The Town has replaced lead pipe when encountered during the course of operations, and Water Division personnel are not currently aware of the presence of any LSLs. However, lead goosenecks connecting to older steel pipe are suspected to remain. A very preliminary review of the 7,298 water service tie cards provided by Canton indicate a wide variation in the quality and availability of service line material information. Material information may be present in less than 30% of the cards. The LCRR-required inventory will need to document the material of both the Town-owned and customer-side service lines, as well as the presence of goosenecks and any galvanized pipe that may have been installed downstream, as the LCRR will require a plan to remove any LSLs or galvanized downstream. The grant funding requested will be used to prepare the initial inventory in accordance with DEP guidance, to add service information into the Town's existing GIS /Asset Management program, and to prepare an LSL Replacement Plan. Kleinfelder is working on LSL inventory and RPs for several MA communities.

Fall River DWL-22-12

Lead Service Line Inventory & Revised Replacement. The scope of this project is to facilitate the City's ongoing lead service line (LSL) inventory and LSL replacement by development of a full electronic service line inventory database, development of a revised lead service line replacement plan and in-home inspections. The goals of this project are to expand the City's current electronic database for all services within its service area to be in compliance with future Lead and Copper Rule Revision (LCRR) inventory requirements, develop a realistic and suitable lead service line replacement plan that meets regulatory requirements, and verify material composition of services within the City's inventory.

Hamilton DWL-22-60

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

Hingham DWL-24-18

Service Line Inventory & LSL Replacement Plan. The project will begin with 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 Weir River Water System's PWS ID# is 4131000.

Lowell DWL-24-06

Water Service Inventory Project. This project will seek to improve the City of Lowell's drinking water system by conducting a City-wide lead service inventory and validation effort, which will ultimately inform a targeted replacement program. One of the major objectives of the study will be to improve use health by identifying the locations of lead service connections and galvanized service requiring replacement throughout the system which will allow for the City to eliminate them. To ensure the health and safety of their customers, the City of Lowell is committed to removing any source of lead contamination within their water distribution system.

North Attleborough DWL-24-17

Service Line Inventory & LSL Replacement Plan. Service Line Inventory & Lead Service Line Replacement Plan.

Southwick DWL-23-64

Lead Service Line Inventory and Replacement Plan. This project includes the evaluation and development of a Lead Service Line (LSL) replacement plan for utility and customer side service line materials connected to the Southwick water distribution system in order to meet the 2021 Lead and Copper Rule Revision (LCRR) issued by the EPA. The project is divided into two phases: Phase 1- Initial Water Service Inventory Development and Phase 2- Lead Service Line Replacement Plan. Tasks for Phase I include a review of current water distribution data, field investigations to verify service line materials, and the finalization of an initial inventory. During Phase 2, Engineers will work closely with the Town to produce a LSL replacement plan. The plan will include a procedure for conducting replacements and a funding strategy.

Wellesley College DWL-24-07

Lead Service Line Inventory and Replacement Plan. The project will be completed for Wellesley College (PWS ID#3317001). The project will include updating the existing water service line inventory to include additional required information, three days of field inspections to confirm material of water service lines at the meter, creation of a list of service lines categorized as lead, galvanized requiring replacement, lead status unknown, and non-lead, and the development of a plan to address any service lines categorized as lead, galvanized requiring replacement, or lead status unknown.

Community Septic Management Program Commitment**Hanson CW-24-04**

Community Septic Management Program.

Clean Water Commitments**Massachusetts Water Resources Authority CW-22-06**

Nut Island HW Odor Control & HVAC - Contract 7548. The Nut Island Headworks is a preliminary treatment facility serving 22 communities that provides screening and de-gritting of wastewater prior to the wastewater receiving primary and secondary treatment and disinfection at MWRA's Deer Island Treatment Facility. This project replaces the odor control and HVAC systems at the Nut Island Headworks to maintain reliable operation of the systems, to meet requirements of the MADEP Air Quality Permit and to maintain an environment within the facility that is safe for workers and suitable for equipment. The project will also replace other equipment at the headworks that is approaching the end of its lifecycle to ensure reliable operation of this critical wastewater treatment facility.

Massachusetts Water Resources Authority CW-22-08

DITP Clarifier #2. The Massachusetts Water Resources Authority's project is needed to correct deficiencies noted during the first Primary & Secondary Clarifier project. Project will include the replacement of systems such as: influent gates that are not providing adequate isolation; effluent launders and aeration systems that are in need of repair/replacement; and, concrete corrosion in primary clarifiers above the water line that require repair and coating to prevent future corrosion. The sludge removal system in primary tanks and aeration/recirculation systems in secondary tanks need to be rehabilitated as well. The Authority will not be able to meet its discharge permit without this upgrade.

Massachusetts Water Resources Authority CW-22-09

CHE008 Pipeline Replacement Improvement. The Massachusetts Water Resources (MWRA) seeks the replacement of the existing 30-inch ductile iron cement lined pipe, approximately thirty feet in length, connecting the City of Chelsea's CHE008 regulator (RE-081) to the MWRA's Chelsea Branch Sewer at Structure C (Structure C) with a new 48-inch pipe. The work includes modifications to RE-081 and Structure C to accommodate for the pipe increase, installation of a steel baffle and the demolition of an existing weir wall in Structure C. The pipe size increase is predicted by MWRA's calibrated hydraulic model to result in CHE008 with one discharge at 0.07 MG, coming very close to meeting the CSO Long-Term Control Plan (LTCP) goal of zero discharges.

Massachusetts Water Resources Authority CW-23-61

DITP Clarifier #2. The Massachusetts Water Resources Authority's project is needed to correct deficiencies noted during the first Primary & Secondary Clarifier project. Project will include the replacement of systems such as: influent gates that are not providing adequate isolation; effluent launders and aeration systems that are in need of repair/replacement; and, concrete corrosion in primary clarifiers above the water line that require repair and coating to prevent future corrosion. The sludge removal system in primary tanks and aeration/recirculation systems in secondary tanks need to be rehabilitated as well. The Authority will not be able to meet its discharge permit without this upgrade.

Revere CW-24-03

Oak Island Water and Sewer Replacement at MBTA. The work for this project includes the removal and replacement of the existing, aging, direct buried (without casing pipes) 6-inch cast iron water main and the 8-inch clay sewer located below this MBT A crossing. The new water and sewer mains (carrier pipes) will be 8-inch ductile iron pipe installed within new steel casing pipes. This arrangement of utility service carrier pipes within steel casing pipes will provide for the continued delivery of reliable water and sewer utility service to the Oak Island neighborhood via Bridge Street/Oak Island Road crossing beneath the MBTA railroad tracks.

Drinking Water Commitments**Aquarion Water Company - Millbury 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 - Oxford DW-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.

Massachusetts Water Resources Authority DW-22-37

Section 23, 24, 47 Water Mains Rehab. The Massachusetts Water Resources Authority seeks to rehabilitate three water mains designated as Sections 23, 24 and 47 under contract 6392. The water mains serve the communities of Boston and Watertown. Section 23 and section 24 are 124-year-old cast iron pipes, Section 47 is a 103-year-old cast iron main. The goal of this project is to improve the condition, hydraulic capacity and reliability of the existing water mains, avoid potential service disruption as a result of breaks and leaks, and improve hydraulic and operating deficiencies in the distribution system.

Massachusetts Water Resources Authority DW-23-142

Section 23, 24, 47 Water Mains Rehab. The Massachusetts Water Resources Authority seeks to rehabilitate three water mains designated as Sections 23, 24 and 47 under contract 6392. The water mains serve the communities of Boston and Watertown. Section 23 and section 24 are 124-year-old cast iron pipes, Section 47 is a 103-year-old cast iron main. The goal of this project is to improve the condition, hydraulic capacity and reliability of the existing water mains, avoid potential service disruption as a result of breaks and leaks, and improve hydraulic and operating deficiencies in the distribution system.

Community Septic Management Program Agreement**Hanson CWT-24-04**

Community Septic Management Program.

Clean Water Agreements**Massachusetts Water Resources Authority CW-22-06**

Nut Island HW Odor Control & HVAC - Contract 7548. The Nut Island Headworks is a preliminary treatment facility serving 22 communities that provides screening and de-gritting of wastewater prior to the wastewater receiving primary and secondary treatment and disinfection at MWRA's Deer Island Treatment Facility. This project replaces the odor control and HVAC systems at the Nut Island Headworks to maintain reliable operation of the systems, to meet requirements of the MADEP Air Quality Permit and to maintain an environment within the facility that is safe for workers and suitable for equipment. The project will also replace other equipment at the headworks that is approaching the end of its lifecycle to ensure reliable operation of this critical wastewater treatment facility.

Massachusetts Water Resources Authority CW-22-08

DITP Clarifier #2. The Massachusetts Water Resources Authority's project is needed to correct deficiencies noted during the first Primary & Secondary Clarifier project. Project will include the replacement of systems such as: influent gates that are not providing adequate isolation; effluent launders and aeration systems that are in need of repair/replacement; and, concrete corrosion in primary clarifiers above the water line that require repair and coating to prevent future corrosion. The sludge removal system in primary tanks and aeration/recirculation systems in secondary tanks need to be rehabilitated as well. The Authority will not be able to meet its discharge permit without this upgrade.

Massachusetts Water Resources Authority CW-22-09

CHE008 Pipeline Replacement Improvement. The Massachusetts Water Resources (MWRA) seeks the replacement of the existing 30-inch ductile iron cement lined pipe, approximately thirty feet in length, connecting the City of Chelsea's CHE008 regulator (RE-081) to the MWRA's Chelsea Branch Sewer at Structure C (Structure C) with a new 48-inch pipe. The work includes modifications to RE-081 and Structure C to accommodate for the pipe increase, installation of a steel baffle and the demolition of an existing weir wall in Structure C. The pipe size increase is predicted by MWRA's calibrated hydraulic model to result in CHE008 with one discharge at 0.07 MG, coming very close to meeting the CSO Long-Term Control Plan (LTCP) goal of zero discharges.

Massachusetts Water Resources Authority CW-23-61

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Drinking Water Agreements**Massachusetts Water Resources Authority DW-22-37**

Section 23, 24, 47 Water Mains Rehab. The Massachusetts Water Resources Authority seeks to rehabilitate three water mains designated as Sections 23, 24 and 47 under contract 6392. The water mains serve the communities of Boston and Watertown. Section 23 and section 24 are 124-year-old cast iron pipes, Section 47 is a 103-year-old cast iron main. The goal of this project is to improve the condition, hydraulic capacity and reliability of the existing water mains, avoid potential service disruption as a result of breaks and leaks, and improve hydraulic and operating deficiencies in the distribution system.

Massachusetts Water Resources Authority DW-23-142

Section 23, 24, 47 Water Mains Rehab. The Massachusetts Water Resources Authority seeks to rehabilitate three water mains designated as Sections 23, 24 and 47 under contract 6392. The water mains serve the communities of Boston and Watertown. Section 23 and section 24 are 124-year-old cast iron pipes, Section 47 is a 103-year-old cast iron main. The goal of this project is to improve the condition, hydraulic capacity and reliability of the existing water mains, avoid potential service disruption as a result of breaks and leaks, and improve hydraulic and operating deficiencies in the distribution system.



Item #11 (*No Reference Documents*)



***Item #12 Authorization of Loan Forgiveness for 2022
Projects***

Massachusetts Clean Water Trust
Loan Forgiveness for the 2022 IUP Projects
Schedule 1 - Clean Water SRF Loan Forgiveness

Loan Number	Borrower	Loan Amount	Loan Forgiveness	Project Title
CW-22-06	MWRA	6,890,572	689,057	Nut Island Odor Control
CW-22-08	MWRA	41,114,486	4,111,449	Deer Island Treatment Plant Clarifier
CW-22-09	MWRA	1,994,942	199,494	CHE008 Pipeline Replacement
		\$ 50,000,000	5,000,000.00	

Massachusetts Clean Water Trust
Loan Forgiveness for the 2022 IUP Projects
Schedule 2 - Drinking Water SRF Loan Forgiveness

Loan Number	Borrower	Loan Amount	Total Loan Forgiveness	Project Title
DW-22-08	MWRA	5,389,526	1,077,905	Weston Aqueduct
DW-22-37	MWRA	9,610,474	1,922,095	Section 23, 24, 47 Water Mains
Total		\$ 15,000,000	\$ 3,000,000	