

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

September 4, 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 August 7, 2024.

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

Item #3 **MOTION- VOTE REQUESTED**

Approval of Asset Management Program Grant Commitments and Grant Agreements

| <u>PRA No.</u> | <u>Recipient</u> | <u>Amount</u> |
|----------------|-------------------------------|---------------|
| CWA-24-10 | Hatfield | \$135,843 |
| CWA-24-12 | Hatfield | \$136,659 |
| CWA-24-14 | South Essex Sewerage District | \$150,000 |

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-24-41 | Braintree | \$241,024 |
| DWL-23-14 | Brookline | \$130,200 ¹ |
| DWL-23-47 | Falmouth | \$314,000 ² |
| DWL-24-40 | Plymouth | \$42,000 |

Item #5 **MOTION- VOTE REQUESTED**

Approval of Cybersecurity Improvement Program Grant Commitments and Grant Agreements

| <u>PRA No.</u> | <u>Recipient</u> | <u>Amount</u> |
|----------------|------------------------------|---------------|
| DWC-24-19 | Brockton | \$50,000 |
| DWC-24-18 | Dracut Water Supply District | \$50,000 |

¹ First Revision. Previous Grant amount was \$99,900.

² First Revision. Previous Grant amount was \$128,000.

Item #6

MOTION- VOTE REQUESTED

Approval of Community Septic Management Program Commitments

| <u>PAC No.</u> | <u>Borrower</u> | <u>Amount</u> | <u>Interest Rate</u> |
|-----------------------|------------------------|----------------------|-----------------------------|
| CW-24-09 | Barnstable County | \$13,000,000 | 2% |
| CW-24-25 | Middleborough | \$500,000 | 2% |
| CW-24-22 | Sharon | \$200,000 | 2% |

Item #7

MOTION- VOTE REQUESTED

Approval of Clean Water Commitments

| <u>PAC No.</u> | <u>Borrower</u> | <u>Amount</u> | <u>Interest Rate</u> |
|-----------------------|------------------------|---------------------------|-----------------------------|
| CW-19-09 | Billerica | \$12,641,969 ³ | 1.5% ⁴ |
| CW-23-34 | Fitchburg | \$27,705,362 ⁵ | 2% |
| CW-24-20 | Lawrence | \$1,200,000 | 2% |
| CW-22-32 | Oak Bluffs | \$27,600,000 ⁶ | 1.5% ⁴ |

Item #8

MOTION- VOTE REQUESTED

Approval of Drinking Water Commitments

| <u>PAC No.</u> | <u>Borrower</u> | <u>Amount</u> | <u>Interest Rate</u> |
|-----------------------|---|--------------------------|-----------------------------|
| DW-23-130 | Harvard | \$7,160,000 ⁷ | 2% |
| DW-24-35 | Mansfield | \$9,037,200 | 1.5% ⁴ |
| DW-24-42 | Millis | \$3,615,499 | 1.5% ⁴ |
| DW-24-43 | Mattapoisett River Valley Water District | \$5,005,000 | 2% |

Item #9

MOTION- VOTE REQUESTED

Approval of Community Septic Management Program Loans and Financing Agreements

| <u>PAC No.</u> | <u>Borrower</u> | <u>Amount</u> | <u>Interest Rate</u> |
|-----------------------|------------------------|----------------------|-----------------------------|
| CWT-24-09 | Barnstable County | \$13,000,000 | 2% |
| CWT-24-25 | Middleborough | \$500,000 | 2% |
| CWT-24-22 | Sharon | \$200,000 | 2% |

³ Third Revision. Previous PAC amount was \$12,526,822.

⁴ Housing Choice Loan

⁵ First Revision. Previous PAC amount was \$25,980,000.

⁶ First Revision. Previous PAC amount was \$26,000,070.

⁷ First Revision. Previous PAC amount was \$4,850,000.

Item #10

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-19-09-B | Billerica | \$1,281,337 ⁸ | 1.5% ⁴ |
| CW-22-56 | Boston Water and Sewer Commission | \$45,397,734 ⁹ | 1.5% ⁴ |
| CWP-23-34 | Fitchburg | \$24,210,362 | 2% |
| CWP-23-34-A | Fitchburg | \$3,495,000 | 2% |
| CW-24-20 | Lawrence | \$1,200,000 | 1.5% ⁴ |
| CWP-22-32 | Oak Bluffs | \$27,600,000 ¹⁰ | 2% |
| CWP-23-47 | Saugus | \$2,956,784 | 2% |
| CWP-23-56 | Wareham | \$16,000,000 | 2% |

Item #11

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> |
|-----------------------|--------------------------------------|---------------------------|-----------------------------|
| DWLC-22-50 | Boston Water and Sewer Commission | \$6,997,468 ¹¹ | 0% ¹² |
| DW-23-130 | Harvard | \$7,160,000 | 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, September 4, 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.

⁸ First Revision. Previous PRA amount was \$1,166,190.

⁹ First Revision. Previous PRA amount was \$20,145,084.

¹⁰ First Revision. Previous PRA amount was \$26,000,000.

¹¹ Third Revision. Previous PRA amount was \$4,698,888.

¹² LSL Construction Loan



***Item #1: Minutes of the Meeting Held on August 7,
2024***

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

August 7, 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, Department Director, MCWT
My Tran, Treasurer, MCWT
William Kalivas, Treasury Specialist, MCWT
Nicole Munchbach, Assistant Controller, MCWT
Sunkarie Konteh, Accountant, MCWT
Pam Booker, Accountant, MCWT
Josh Derouen, Program Manager, MCWT
Kailyn Fellmeth, Senior Program Associate, MCWT
Aidan O’Keefe, Program Associate, MCWT
Esther Omole, Program Associate, MCWT
Ray LeConte, Program Associate, MCWT
Rachel Stanton, Investor Relations and Communications Graphic Designer, MCWT
Kathryn Armour, Data Analyst, MCWT
Martin Mont, Intern, Trust
Robin McNamara, Deputy Director of Municipal Services, MassDEP
Greg Devine, Section Chief, MassDEP
Lilla Dick, Section Chief, MassDEP
Bridget Munster, Program Manager, MassDEP
Andrew Napolitano, Director of Communications, Office of the State Treasurer
Alexa Michon, Policy Associate, 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 1:30 p.m.

Item #1

MOTION- VOTE

Acceptance and approval of minutes of the meeting held on July 10, 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 July 10, 2024.

Item #2

REPORT OF THE EXECUTIVE COMMITTEE

New Trust Staff

Ms. Perez introduced the Trust's three new Program Associates, Aidan O'Keefe, Esther Omole, and Ray LeConte.

Fiscal Year 2024 (FY 2024) Reporting

Ms. Perez noted that with the recent conclusion of FY 2024, the Trust is working on reporting, including the annual audit and EPA Annual Report.

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 Asset Management Program Grant Commitments and Grant Agreements

| <u>PRA No.</u> | <u>Recipient</u> | <u>Amount</u> |
|-----------------------|-------------------------|----------------------|
| DWA-24-36 | Hatfield | \$102,772 |
| CWA-24-13 | Hull | \$150,000 |

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 Lead Service Line Planning Program Grant Commitments and Grant Agreements

| <u>PRA No.</u> | <u>Recipient</u> | <u>Amount</u> |
|-----------------------|-------------------------|--------------------------------|
| DWL-24-15 | Chatham | \$97,047 |
| DWL-23-65 | Malden | \$1,919,912¹ |
| DWL-24-34 | Pittsfield | \$445,104 |
| DWL-24-25 | Winthrop | \$475,000 |

¹ First Revision. Previous Grant Amount was \$1,400,000.

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 Drinking Water Commitments

| <u>PAC No.</u> | <u>Borrower</u> | <u>Amount</u> | <u>Interest Rate</u> |
|-----------------------|--------------------------------|---------------------------|-----------------------------|
| DW-23-135 | East Brookfield | \$9,501,583 ² | 2% |
| DW-23-127 | Water Supply District of Acton | \$10,351,769 ³ | 0% ⁴ |

Item #6

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-21-52-A | Orange | \$109,751 | 2% |
| CWP-23-48 | Quincy | \$6,388,378 | 1.5% ⁵ |
| CWP-23-48-A | Quincy | \$739,400 | 1.5% ⁵ |

Item #7

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

| <u>PRA No.</u> | <u>Borrower</u> | <u>Amount</u> | <u>Interest Rate</u> |
|-----------------------|--------------------------------|---------------------------|-----------------------------|
| DWP-23-135 | East Brookfield | \$9,501,583 ⁶ | 2% |
| DWP-22-04-A | Orange | \$212,068 | 2% |
| DWPEC-23-143 | Raynham Center Water District | \$15,000,000 | 0% ⁴ |
| DW-23-125 | Scituate | \$15,000,000 | 2% |
| DWEC-23-127 | Water Supply District of Acton | \$10,351,769 ⁷ | 0% ⁴ |

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 1:33 p.m.

LIST OF DOCUMENTS AND EXHIBITS USED:

1. Minutes, July 10, 2024
2. Project Descriptions

² First Revision. Previous PAC amount was \$8,080,000.

³ First Revision. Previous PAC amount was \$7,800,000.

⁴ PFAS Remediation Loan

⁵ Housing Choice Loan

⁶ First Revision. Previous PAC amount was \$8,080,000.

⁷ First Revision. Previous PAC amount was \$7,800,000.

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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.

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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*)



Items #3 through #11 *Project Descriptions*

Project Descriptions for September 4, 2024

Board of Trustees Meeting

Asset Management Planning Commitments and Agreements

Hatfield CWA-24-10

FY2025 Sewer AM Planning Project (CMOM Year 1)

The goal of this Asset Management Program is to continue work on a “living” collection system planning (dynamic) tool that provides a constantly updating roadmap for the Town’s collection system infrastructure. The Town views asset management as a streamlined and focused process that aids the Town in defining and prioritizing the capital improvements that are needed within the existing infrastructure. The Asset Management Program maximizes capital investment by prioritizing the capital needs based on the criticality of the asset. This asset management process must be revisited and updated in perpetuity to continue to have a useful planning tool as the Town moves forward in maintaining its infrastructure.

Hatfield CWA-24-12

Stormwater Asset Management Plan (Phase 1)

The project is to continue work on a “living” stormwater system planning (dynamic) tool that provides a continually updated roadmap for the Town’s stormwater system infrastructure. The Town views asset management as a streamlined and focused process that aids the Town in defining and prioritizing the capital improvements that are needed within the existing infrastructure. The Asset Management Program maximizes capital investment by prioritizing the capital needs based on the criticality of the asset. This asset management process must be revisited and updated in perpetuity to continue to have a useful planning tool as the Town moves forward in maintaining its infrastructure.

South Essex Sewerage Districts CWA-24-14

Peabody Salem Interceptor Condition Assessment

The project is to conduct a detailed condition assessment of 18,400 of large diameter interceptor pipe associated with the South Essex Sewerage District (District) Peabody Salem Interceptor which conveys all of the wastewater from Peabody and Salem to the District treatment plant. The asset condition information that is gathered will then be evaluated and entered into an updated risk model, building on the model originally developed in 2017 as part of the District’s Collection Systems Asset Management Plan. An Asset Management Plan for the Peabody Salem Interceptor will be developed to determine the best approach to rehabilitate impaired infrastructure, optimize long-term maintenance activities, and meet risk reduction goals.

Lead Service Line Planning Program Commitments and Agreements

Braintree DWL-24-41

Lead Service Line Inventory and Replacement Plan

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 Braintree Water/Sewer Department's PWS number is 4040000.

Brookline DWL-23-14

Water Service Line Inventory and Planning Project

The Town of Brookline is creating an electronic water service line inventory to meet the requirement to have it publicly available and to help plan for future lead service line replacement efforts. The available records will be inventoried, then added to the Town's existing GIS. A technical memorandum will be provided at the end of the project summarizing inventory efforts and potential next steps.

Falmouth DWL-23-47

Service Line Inventory and LSL Replacement Plan

The work of this project generally consists of the collection of available records for both utility and privately owned sides of water service lines, development of a lead service line inventory database (which will be made available to the public), preparing a list of unknown service line materials, conducting home inspections of up to 30 properties to confirm material on either side of the meter, and providing a list of service lines categorized as lead, galvanized requiring replacement, or lead status unknown to the Town so that the property owners can be notified after completing the inventory.

Plymouth DWL-24-40

Town of Plymouth - LSL Replacement Plan

The Town of Plymouth (Plymouth Water Department, PWS ID # 4239000) seeks a Lead Service Line Replacement Planning Grant in the amount of \$42,000.00 through the Massachusetts Clean Water Trust, to complete the following activities: 1. The development of a plan to replace identified lead services within a reasonable timeframe (5 years) 2. The development of a plan to categorize any remaining unknown services. The Plymouth Water Department (PWD) has completed a requisite Lead Service Line (LSL) Inventory, as required by the U.S. EPA's Lead and Copper Rules Revisions. Plymouth's application, therefore, requests financial assistance to fund the costs associated with the preparation of the two plans noted above. A detailed description of the proposed project activities is outlined within the Plan of Study document included with this application.

Cybersecurity Improvement Grant Commitments and Agreements

Brockton DWC-24-19

Cybersecurity Improvement Grant Program

Dracut Water Supply District DWC-24-18

Cybersecurity Improvement Grant Program

Community Septic Management Program Commitments

Barnstable County CW-24-09

AquiFund Residential Septic Loan Program

Barnstable County is pleased to provide low-interest betterment loans to Cape Cod homeowners faced with the cost of repairing or replacing failed septic systems, upgrading to alternative septic system technologies, as well as connecting to municipal sewers. Cape Cod AquiFund provides equitable access to financial assistance to help Cape Cod homeowners meet clean water goals. The program has expanded substantially over the past 18 months.

Middleborough CW-24-25

Community Septic Program - April 2024

Annual town meeting appropriation of \$500,000 for the purpose of funding the program to repair, replace or upgrade waste disposal systems and all related, necessary and relevant expenses.

Sharon CW-24-22

Sharon Residential Septic Loans 2024

To assist town residents in fixing their septic systems.

Clean Water Commitments

Billerica CW-19-09

WWTF and Pump Station Upgrades

This construction project includes modifications and additions to the existing WWTF aimed at improving functionality, safety, & treatment. Aging chemical tanks will be replaced to maintain a safe environment at the WWTF. A Vactor truck unloading station will be installed to alleviate the operator-intensive set up currently in place. A new plant-wise emergency generator will be installed & the existing generator will be removed. Sludge conveyors will be installed to improve the ease of hauling sludge. Additionally, several buildings will be renovated to increase lab space, machine shop area of maintenance of collection system equipment and for storage for vehicles. The Salem Road pump station will also be upgraded to replace aging equipment.

Fitchburg CW-23-34

CSO 032, 045, 083 Separation/Rehabilitation

The CSO 032, 045, 083 Separation/Rehabilitation Project involves the separation of an estimated 21,800 linear feet (LF) of combined sewers, the separation of 2 combination manholes, and the closure of 3 CSO regulators (CSO 032, 045, and 083) that have discharged a combined estimated 39.1 million gallons of untreated combined sewage into the North Nashua River between 2015 and 2021. The project also includes approximately 24,100 LF of trenchless rehabilitation of sanitary sewers to reduce infiltration/inflow upstream of the 3 regulators. The project will also include green infrastructure, when applicable, and includes stormwater improvements for the 2070 10-year, 24-hour storm event.

Lawrence CW-24-20

Sanitary Sewer Evaluation Survey - Phases V & VI

The project is a Sanitary Sewer System Evaluation that consists of CCTV inspection of up to 120,000 linear feet of existing sanitary sewer pipe, up to 400 sewer manhole or catch basin inspections, smoke testing, dye tracing, flow isolation and similar data collection methods. The Work also includes Illicit Discharge Detection and Elimination in up to 120 drainage catchment areas that consists of up to 20,000 linear feet of CCTV inspection, internal plumbing inspections and dye testing verification.

Oak Bluffs CW-22-32

Oak Bluffs WWTF ENR Upgrade Project

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.

Drinking Water Commitments**Harvard DW-23-130**

Water Service Line Inventory and Planning Project

The Project includes construction of an interconnection between the Town of Harvard and the Devens water distribution systems, including installation of approximately 8,500 l.f. (1.6 miles) of new 12-inch ductile iron water main and appurtenances and construction of a meter building with booster pumps.

Mansfield DW-24-35

Dustin-Prescott PFAS Treatment and Wells

The project provides upgrades to the Dustin-Prescott WTF and two onsite wells. Sampling at the WTP has shown PFAS levels above the 4 ppt. Upgrades to the plant include the installation of 6 new GAC pressure vessels and related valves and piping in a new PFAS treatment building. The existing facility will also have process, plumbing/HVAC, electric, and controls upgrades. The two wells onsite have lost their original capacity, and the Town needs the wells to meet peak demands. The wells will be replaced with two new gravel packed wells with submersible pumps and pit less adaptors.

Millis DW-24-42

Village Street Water Treatment Plant PFAS Upgrades

The project includes construction of a PFAS treatment facility at Well 3 to remove PFAS and restore 0.75 MGD of critical capacity to the system. The proposed system includes granular activated carbon (GAC) filters, as well as associated process and site improvements required for the proper installation and operation of the system.

Mattapoisett River Valley Water District DW-24-43

MRVWD Water Treatment Plant Upgrades

The project includes replacement of the existing TARGA® II ultrafiltration system at the Mattapoisett River Valley Water District's Water Treatment Plant with a new PURON® MP 64 ultrafiltration system, furnishing and installing a 4-log virus removal UV disinfection system, and SCADA system upgrades. The UV disinfection system will provide continuous disinfection of water serving the District communities.

Community Septic Management Agreements

Barnstable County CWT-24-09

AquiFund Residential Septic Loan Program

Barnstable County is pleased to provide low-interest betterment loans to Cape Cod homeowners faced with the cost of repairing or replacing failed septic systems, upgrading to alternative septic system technologies, as well as connecting to municipal sewers. Cape Cod AquiFund provides equitable access to financial assistance to help Cape Cod homeowners meet clean water goals. The program has expanded substantially over the past 18 months.

Middleborough CWT-24-25

Community Septic Program - April 2024

Annual town meeting appropriation of \$500,000 for the purpose of funding the program to repair, replace or upgrade waste disposal systems and all related, necessary and relevant expenses.

Sharon CWT-24-22

Sharon Residential Septic Loans 2024

To assist town residents in fixing their septic systems.

Clean Water Agreements

Billerica CWP-19-09-B

WWTF and Pump Station Upgrades

This construction project includes modifications and additions to the existing WWTF aimed at improving functionality, safety, & treatment. Aging chemical tanks will be replaced to maintain a safe environment at the WWTF. A Vactor truck unloading station will be installed to alleviate the operator-intensive set up currently in place. A new plant-wise emergency generator will be installed & the existing generator will be removed. Sludge conveyors will be installed to improve the ease of hauling sludge. Additionally, several buildings will be renovated to increase lab space, machine shop area of maintenance of collection system equipment and for storage for vehicles. The Salem Road pump station will also be upgraded to replace aging equipment.

Boston Water and Sewer Commission CW-22-56

South Boston Sewer Separation

The Boston Water and Sewer Commission seeks to reduce CSO discharges in Boston Harbor and its tributaries. The plan involves five sewer separation projects over an area of 403 acres by constructing new storm drains and allowing the existing combined sewers to function as separate sanitary sewers, or by constructing new sanitary sewers and allowing the existing combined sewer to serve as storm drains.

Fitchburg CWP-23-34

CSO 032, 045, 083 Separation/Rehabilitation

The CSO 032, 045, 083 Separation/Rehabilitation Project involves the separation of an estimated 21,800 linear feet (LF) of combined sewers, the separation of 2 combination manholes, and the closure of 3 CSO regulators (CSO 032, 045, and 083) that have discharged a combined estimated 39.1 million gallons of untreated combined sewage into the North Nashua River between 2015 and 2021. The project also includes approximately 24,100 LF of trenchless rehabilitation of sanitary sewers to reduce infiltration/inflow upstream of the 3 regulators. The project will also include green infrastructure, when applicable, and includes stormwater improvements for the 2070 10-year, 24-hour storm event.

Fitchburg CWP-23-34-A

CSO 032, 045, 083 Separation/Rehabilitation

The CSO 032, 045, 083 Separation/Rehabilitation Project involves the separation of an estimated 21,800 linear feet (LF) of combined sewers, the separation of 2 combination manholes, and the closure of 3 CSO regulators (CSO 032, 045, and 083) that have discharged a combined estimated 39.1 million gallons of untreated combined sewage into the North Nashua River between 2015 and 2021. The project also includes approximately 24,100 LF of trenchless rehabilitation of sanitary sewers to reduce infiltration/inflow upstream of the 3 regulators. The project will also include green infrastructure, when applicable, and includes stormwater improvements for the 2070 10-year, 24-hour storm event.

Lawrence CW-24-20

Sanitary Sewer Evaluation Survey - Phases V & VI

The project is a Sanitary Sewer System Evaluation that consists of CCTV inspection of up to 120,000 linear feet of existing sanitary sewer pipe, up to 400 sewer manhole or catch basin inspections, smoke testing, dye tracing, flow isolation and similar data collection methods. The Work also includes Illicit Discharge Detection and Elimination in up to 120 drainage catchment areas that consists of up to 20,000 linear feet of CCTV inspection, internal plumbing inspections and dye testing verification.

Oak Bluffs CWP-22-32

Oak Bluffs WWTF ENR Upgrade Project

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.

Saugus CWP-23-47

Comprehensive Sewer System Rehabilitation- 3A

The Project includes comprehensive sewer system rehabilitation in Subsystem 3A in Saugus. Construction will include the rehabilitation of pipelines, manholes and service laterals necessary to eliminate I/I from the system. Approximately 16,500 feet of 8-inch and 5,550 feet of 10-inch pipe have been identified as being in need of CIPP in subsystem 3A to eliminate I/I. Also included in this project will be the installation of a lining system to improve the quality of the service to mainline connection. There are approximately 410 of this type of connection in Subsystem 3A. Approximately 174 manholes have also been identified and are in need of rehabilitation. Each manhole will be lined using the latest standards.

Wareham CWP-23-56

WPCF Improvements - Phase 2

The Project consists of upgrades to the Wareham WPCF to continue to treat existing and future flows that are anticipated as a result of growth within the community and for nutrient management. Upgrading these processes is critical to the continued functioning of the facility and will allow for further expansion of the collection system and potentially bringing many failing septic systems into the centralized wastewater treatment system.

Drinking Water Agreements**Boston Water and Sewer Commission DWLC-22-50**

Elimination of Lead Water Services in Boston

The Boston Water and Sewer Commission seeks to eliminate lead water services in both the public way and private property. The Commission has an ongoing lead water service replacement program which was initiated in response to the exceedance of the lead action level in 2020.

Harvard DW-23-130**Harvard-Devens Water System Interconnection**

The Project includes construction of an interconnection between the Town of Harvard and the Devens water distribution systems, including installation of approximately 8,500 lf (1.6 miles) of new 12-inch ductile iron water main and appurtenances and construction of a meter building with booster pumps.