



## **Loan Forgiveness for Qualifying 2023 Projects: Schedule 1 - Clean Water Projects**

### **BARNSTABLE**

<b>Loan Number</b>	<b>Total Loan Forgiveness</b>	<b>Total Loan Amount</b>
CW-23-53, CW-23-53A	\$1,275,967	\$24,074,825

#### **Park City Wind Route Sewer Expansion**

The Project will expand the municipal sewer system within the Centerville River Watershed to address nitrogen loading to the Centerville River and pond protection of Wequaquet Lake consistent with the Town's Comprehensive Wastewater Management Plan (CWMP).

### **CHATHAM**

<b>Loan Number</b>	<b>Total Loan Forgiveness</b>	<b>Total Loan Amount</b>
CW-23-42	\$73,432	\$3,671,588

#### **Water Pollution Control Facility (WPCF) Sludge Processing Upgrades**

The Project includes upgrades to the solids processing facilities, including adding a belt filter press and associated equipment, upgrading a sludge holding tank and adding an additional blower. This project will further the wastewater management strategies set forth in the Town's Comprehensive Wastewater Management Plan (CWMP), allowing the facility to continue to process sludge as collection systems are expanded both in Chatham and in the neighboring Town of Harwich. This project will provide critical improvements to allow the WPCF to increase its sludge processing capacity as collection systems are expanded throughout the Town.

### **HOLYOKE**

<b>Loan Number</b>	<b>Total Loan Forgiveness</b>	<b>Total Loan Amount</b>
CW-23-51	\$2,509,500	\$10,500,000

#### **River Terrace Sewer Separation Project – Phase 1**

The Project consists of the separation of combined sewers in the River Terrace Basin (CSO-21) to eliminate combined sewer overflows discharging to the Connecticut River from CSO-21 outfall. Work includes construction of 12,000-feet of new sanitary sewers and storm drains, and 10,000-feet of existing sewer lining. This project will result in a significant improvement in the water quality of the Connecticut River downstream of CSO-21 outfall. The project is consistent with the City's CSO Long-Term Control Plan and is being required by a Partial Consent Decree issued by the U.S. Department of Justice.

### **NEW BEDFORD**

<b>Loan Number</b>	<b>Total Loan Forgiveness</b>	<b>Total Loan Amount</b>
CWP-23-26, CW-23-26A	\$516,423	\$2,160,758

#### **Sassaquin Pond Water Quality Improvements**

The Project consists of water quality improvements within the area tributary to Sassaquin Pond, located at the north end of the City of New Bedford. The pond has historically poor water quality and is subject to algal blooms. This project will directly abate the issues addressed in an existing court order and improve water quality in the pond.



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### **SHREWSBURY**

<b>Loan Number</b>	<b>Total Loan Forgiveness</b>	<b>Total Loan Amount</b>
CW-23-22	\$196,125	\$9,806,249

#### **Rolfe & Maple Ave Pump Station Upgrade and Force Main Replacement**

The Project involves the upgrade of Rolfe Avenue and Maple Avenue Pump Stations and Force Main Replacement. The purpose of these improvements is to restore useful life of the stations and force main, improve operator safety, and improve system reliability.

### **SOMERSET**

<b>Loan Number</b>	<b>Total Loan Forgiveness</b>	<b>Total Loan Amount</b>
CW-23-31	\$834,124	\$5,024,834

#### **Somerset Wastewater Pump Station Upgrades**

The Project consists of upgrades to five wastewater pump stations in Somerset. These stations were built in the 1960's and 1970's and are past their useful service life. Upgrades to these facilities, highlighted in the Town's CWMP, include but are not limited to, replacement and installation of submersible pumps, repairs to wet well sections, new valve vaults, new force main bypass pump/pig launch connection, new concrete pads with NEMA 12 steel enclosure for pump controls, new electrical equipment, generator, generator fuel tanks, quick connects, new level and instrumentation equipment, new ventilation and odor control, and connection of pump station monitoring and alarm signals to the Town's remote alarm network.



**Loan Forgiveness for Qualifying 2023 Projects: Schedule 2 - Clean Water Loan Forgiveness**  
**(Revised)**

**BROCKTON**

<b>Loan Number</b>	<b>Original Loan Forgiveness</b>	<b>Revised Loan Forgiveness*</b>	<b>Total Loan Amount</b>
CWP-23-30	\$324,813	\$521,008	\$2,179,948

**Sewer System Rehabilitation Phase 3**

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

**FITCHBURG**

<b>Loan Number</b>	<b>Original Loan Forgiveness</b>	<b>Revised Loan Forgiveness*</b>	<b>Total Loan Amount</b>
CWP-23-34-A, CWP-23-34	\$4,128,000	\$6,621,582	\$27,705,362

**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.

**HAVERHILL**

<b>Loan Number</b>	<b>Original Loan Forgiveness</b>	<b>Revised Loan Forgiveness*</b>	<b>Total Loan Amount</b>
CWP-23-14	\$229,372	\$396,621	\$2,389,275

**Pump Station Upgrades**

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

**NOTE:**

*\* Revised to increase Tier 3 Additional BIL Subsidy from 5% to 14% and Tier 2 Additional BIL Subsidy from 3% to 10%.*



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**(Revised)**

**LAWRENCE**

<b>Loan Number</b>	<b>Original Loan Forgiveness</b>	<b>Revised Loan Forgiveness*</b>	<b>Total Loan Amount</b>
CW-23-09	\$61,090	\$97,990	\$410,000

**Sanitary Sewer Evaluation Study- Phase IV**

Sanitary Sewer System Evaluation that consists of CCTV inspection of up to 46,000 linear feet of existing sanitary sewer pipe, up to 170 sewer manhole 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 10,000 linear feet of CCTV inspection, internal plumbing inspections and dye.

**LOWELL**

<b>Loan Number</b>	<b>Original Loan Forgiveness</b>	<b>Revised Loan Forgiveness*</b>	<b>Total Loan Amount</b>
CWP-23-52, CWP-23-52-A	\$4,148,649	\$6,654,544	\$27,843,277

**Duck Island Wastewater Treatment Facility Phase 3 Upgrade**

The project includes important upgrades to Lowell Duck Island Wastewater Treatment Facility (WWTF) including: chemical addition facilities to meet the pending effluent phosphorus limit outlined in the most recent National Pollutant Discharge Elimination System (NPDES) Permit; new centrifuge dewatering facilities and upgrades of ancillary facilities for sludge pumping, blending, and polymer feed; new scum well pumping, mixings, and dewatering equipment; replacement of aeration diffusers and piping in the aeration basins; replacement of the primary sludge de-gritting system; replacement of the gravity thickener mechanism; new bisulfite storage and feed facility; and, a second standby generator to allow full WWTF Operations during a power outage.

**NEW BEDFORD**

<b>Loan Number</b>	<b>Original Loan Forgiveness</b>	<b>Revised Loan Forgiveness*</b>	<b>Total Loan Amount</b>
CWP-23-24, CWP-23-24-A	\$816,412	\$1,309,545	\$5,479,262

**Buttonwood Brook Improvements**

The project consists of improvements in the area of Buttonwood Brook that include the construction of green infrastructure and structural BMPs along Kempton Street and Brownell Avenue, constructed wetlands at the Buttonwood Park Zoo and Community Center, and a culvert replacement at Hawthorn Street. The implementation of this project will result in improved water quality in the Buttonwood Brook and reduced flooding at Fuller Parkway and at the intersection of Brownell Avenue and Hawthorn Street.

**NOTE:**

*\* Revised to increase Tier 3 Additional BIL Subsidy from 5% to 14% and Tier 2 Additional BIL Subsidy from 3% to 10%.*



**Loan Forgiveness for Qualifying 2023 Projects: Schedule 2 - Clean Water Loan Forgiveness  
(Revised)**

**REVERE**

Loan Number	Original Loan Forgiveness	Revised Loan Forgiveness*	Total Loan Amount
CWP-23-36, CWP-23-36-A	\$695,746	\$1,203,059	\$7,247,336

**Phase 14 Construction – Inflow/Infiltration (I/I), Illicit Discharge Detection and Elimination (IDDE), Pump Station and Drainage**

The Phase 14 construction project will include the removal of inflow/infiltration (I/I) from the City's sewer system and will include the redirection of public and private inflow sources during the 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 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 Cured-in-place pipe (CIPP) lining, sewer spot repairs, replacements, new sewer lines, cleaning and additional metering.

**SAUGUS**

Loan Number	Original Loan Forgiveness	Revised Loan Forgiveness*	Total Loan Amount
CWP-23-47	\$283,852	\$490,827	\$2,956,784

**Comprehensive Sewer System Rehabilitation – 3A**

The project includes comprehensive sewer system rehabilitation in Saugus. Construction included the rehabilitation of pipelines, manholes and service laterals necessary to eliminate inflow/infiltration (I/I) from the system. Approximately 16,500 liner feet (LF) of 8-inch and 5,550 LF of 10-inch pipe have been identified as needing Cured-in-place pipe (CIPP) lining to eliminate I/I. Also included in this project was the installation of a lining system to improve the quality of the service for mainline connections. There are approximately 410 of this type of connection in the subsystem. Approximately 174 manholes have also been identified were rehabilitated. Each manhole was lined using the latest standards.

**SHUTESBURY**

Loan Number	Original Loan Forgiveness	Revised Loan Forgiveness*	Total Loan Amount
CWPEC-23-62	\$22,350	\$-	\$150,000

**Shutesbury Fire Department Immediate Response Action**

Implementation of an immediate response action to address the release of Per- and polyfluoroalkyl substances (PFAS) to the environment that is impacting private wells in neighboring residential properties.

**NOTE:**

\* Revised to increase Tier 3 Additional BIL Subsidy from 5% to 14% and Tier 2 Additional BIL Subsidy from 3% to 10%.



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**UPPER BLACKSTONE CLEAN WATER**

<b>Loan Number</b>	<b>Original Loan Forgiveness</b>	<b>Revised Loan Forgiveness*</b>	<b>Total Loan Amount</b>
CWP-23-21	\$947,398	\$1,519,651	\$6,358,366

**Standby Power for Resiliency**

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

**WAREHAM**

<b>Loan Number</b>	<b>Original Loan Forgiveness</b>	<b>Revised Loan Forgiveness*</b>	<b>Total Loan Amount</b>
CWP-23-56	\$2,384,000	\$3,824,000	\$16,000,000

**Water Pollution Control Facility Improvements – Phase 2**

The project consists of upgrades to the Wareham Water Pollution Control Facility to continue to treat existing and future flows that are anticipated because 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.

**WORCESTER**

<b>Loan Number</b>	<b>Original Loan Forgiveness</b>	<b>Revised Loan Forgiveness*</b>	<b>Total Loan Amount</b>
CWP-23-20, CWP-23-20-A	\$574,862	\$922,094	\$3,858,129

**Lake Avenue Pump Station Improvements**

The project consists of removal and replacement of existing sewage pumps, and their corresponding suction piping, valves, and pipe supports, relocation of equipment not rated for submersible conditions to prevent damage due to flooding, reconfiguration of force mains and modification of backup float system and installing separate cellular dialing system. These upgrades will improve the response time during an emergency, reduce the frequency and severity of sanity sewer overflows into the adjacent lake, and reduce the maintenance frequency and corresponding cost.

**NOTE:**

*\* Revised to increase Tier 3 Additional BIL Subsidy from 5% to 14% and Tier 2 Additional BIL Subsidy from 3% to 10%.*



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**YARMOUTH**

<b>Loan Number</b>	<b>Original Loan Forgiveness</b>	<b>Revised Loan Forgiveness*</b>	<b>Total Loan Amount</b>
CWP-23-03, CWP-23-03-A	\$4,010,816	\$6,935,368	\$41,779,312

**Phase I – Water Resource Recovery Facility and Collection System**

The project implements Phase 1 of Yarmouth's Clean Water Master Plan that includes: construction of Water Resource Recovery Facility (WRRF), construction of effluent recharge site and collection system with sewerage (approximately 78,000 linear feet and pumping stations along Route 28, from the Barnstable town line to the Bass River, along with sewerage on South Shore Drive. The construction of the new WRRF and collection system in Phase 1 will begin to reduce nitrogen loading in the nitrogen-sensitive Bass River, Parkers River, and Lewis Bay watersheds. These watersheds require a large reduction in nitrogen based on the MEP reports and TMDLs. Phase 1 will also help protect municipal drinking water wells from contamination by reducing on-site septic systems.

**NOTE:**

*\* Revised to increase Tier 3 Additional BIL Subsidy from 5% to 14% and Tier 2 Additional BIL Subsidy from 3% to 10%.*



### **Loan Forgiveness for Qualifying 2023 Projects: Schedule 3 - Drinking Water Loan Forgiveness**

#### **FRANKLIN**

<b>Loan Number</b>	<b>Total Loan Forgiveness</b>	<b>Total Loan Amount</b>
DW-23-121	\$751,131	\$5,563,933

##### **Franklin Well 7/7A PFAS Treatment**

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 Granular Activated Carbon.

#### **LITTLETON**

<b>Loan Number</b>	<b>Total Loan Forgiveness</b>	<b>Total Loan Amount</b>
DW-23-136	\$2,025,000	\$15,000,000

##### **Water Supply Main Extension Littleton/Boxborough**

The Project will develop a new water supply well at 153 Taylor St. The new well should supply ~0.5MGD. The new well will pump to the new LELWD WTP & provide additional water to the existing customers of Littleton and proposed 18 PWSs in Boxborough that are impacted by PFAS, sodium, chloride, & perchlorate. The work includes drilling & construction of the new groundwater well & associated pump station, a new raw water main to convey water from the new well to the new WTP, and a new finished water main extending from the existing Littleton main in Whitcomb Ave and continuing south ~4.5 miles to the Codman Hill Condominiums in Boxborough.

#### **WOBURN**

<b>Loan Number</b>	<b>Total Loan Forgiveness</b>	<b>Total Loan Amount</b>
DW-23-116	\$2,520,000	\$15,000,000

##### **Water Pollution Control Facility (WPCF) Sludge Processing Upgrades**

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.





**Loan Forgiveness for Qualifying Lead Service Line Construction Projects: Schedule 4 - Drinking Water Loan Forgiveness**

**BOSTON WATER AND SEWER COMMISSION**

<b>Loan Number</b>	<b>Original Loan Forgiveness</b>	<b>Revised Loan Forgiveness*</b>	<b>Prior Loan Amount</b>	<b>Revised Loan Amount</b>
DWLC-22-50	\$2,798,987	\$3,771,550	\$6,997,468	\$9,428,874

**Lead Service Line Replacement**

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.

**SOMERVILLE**

<b>Loan Number</b>	<b>Original Loan Forgiveness</b>	<b>Revised Loan Forgiveness*</b>	<b>Prior Loan Amount</b>	<b>Revised Loan Amount</b>
DWPLC-23-42	\$897,785	\$1,857,754	\$1,926,577	\$3,986,595

**Somerville Lead Service Line Replacement Program Phase 3**

The Project will implement Phase 3 of the City's annual LSL replacement program and is targeting approximately 100 properties suspected to have LSLs. The City intends to continue to confirm material, remove lead, and improve its inventory until all known lead services are removed.