



Commonwealth of Massachusetts  
Executive Office of Energy & Environmental Affairs

# Department of Environmental Protection

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# **DRAFT 2024 INTENDED USE PLAN**

## **For the**

# **CLEAN WATER STATE REVOLVING FUND**

## **December 27, 2023**



This information is available in alternate format. Please contact Melixza Esenyie at 617-626-1282.  
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## EXECUTIVE SUMMARY

The Massachusetts Department of Environmental Protection (MassDEP) is pleased to present the DRAFT Calendar Year 2024 Intended Use Plan (IUP). The IUP details the projects, borrowers, grant recipients, and amounts proposed for financing through the Clean Water State Revolving Fund (CWSRF) program. The CWSRF is a joint federal-state financing program that provides subsidized loans and grants to improve and protect water quality and public health in the Commonwealth.

Massachusetts is proposing approximately \$1 billion to finance clean water projects across the Commonwealth. As noted in Table 1, approximately \$901 million is being offered to finance 46 new construction projects, and \$92.5 million is being offered to finance 5 previously approved multi-year projects. Additionally, \$3 million is allocated to the emergency set-aside account, \$5 million is directed to the Community Septic Management Program (CSMP) to remediate failed septic systems in participating communities, and \$15 million is set aside to finance planning projects in calendar year 2024. To encourage communities and public utilities to engage in planning activities, MassDEP is accepting [planning loan applications](#) on a rolling basis while funding is available.

The Massachusetts Clean Water Trust (Trust) and MassDEP recognize the value of Asset Management Planning (AMP) to the long-term demand for water infrastructure financing. AMPs help a water utility managers make informed decisions regarding the timing and location for asset repairs, replacements, or rehabilitation. AMPs also help develop a long-term funding strategy. In this manner, the utility can ensure its ability to deliver the required level of service perpetually. Massachusetts is offering grants to communities interested in developing AMPs for one or more of their water utilities. In calendar year 2024, forty-nine project proposals, estimated at approximately \$11.8 million, as shown in Table 2, are being offered grants totaling approximately \$6.4 million. Communities will receive 60% of the project cost, up to \$150,000, as a grant from the Massachusetts Clean Water Trust. The remaining costs may be funded by local contributions of cash, or a combination of cash and in-kind services. All or part of the local contribution may be financed by a loan from the Trust at the standard 2% interest rate for a term of up to five years.

MassDEP is proposing to utilize \$2 million of the CWSRF Emerging Contaminants Grant to begin a study to assess PFAS concentrations at wastewater treatment plants.

### 2024 Highlights

- On November 15, 2021, President Biden signed the Bipartisan Infrastructure Law (BIL) that provides two new federal grants through the CWSRF:
  - Supplemental CWSRF Grant
  - Emerging Contaminants Grant

These grants are being provided annually in 2022 and will continue through 2026. For fiscal year 2024, Massachusetts expects to receive \$77.2 million for the Supplemental CWSRF

Grant and \$7.2 million for the CWSRF Emerging Contaminants Grant. The Supplemental CWSRF Grant requires that Massachusetts provide \$37.8 million, 49% of the total grant amount as loan forgiveness to Disadvantaged Communities. The CWSRF Emerging Contaminant Grant requires that the entire grant amount \$7.2 million be provided as loan forgiveness for any eligible project.

Using supplemental funds, Massachusetts anticipates being able to offer additional loan forgiveness for eligible projects on the 2024 IUP. The additional loan forgiveness is anticipated to be consistently applied to the IUPs covered under these new BIL federal grants subject to funds availability. Refer to Section A of this IUP for more details. MassDEP, in consultation with the Trust, may amend this IUP as necessary given that the United States Environmental Protection Agency (USEPA) continues to issue guidance to states on the implementation of the expanded SRF program. The increased capacity in the 2024 IUP is evidence of the additional BIL funding being utilized in Massachusetts. The SRF program looks forward to financing more projects at a lower cost to communities throughout Massachusetts.

Some of the key provisions of BIL include amendments to the Clean Water Act (CWSRF Program):

- **American Iron and Steel (AIS)** – The AIS procurement requirement is permanent for CWSRF treatment works projects going forward.
- **Build America, Buy America (BABA) Act** – BIL also expands domestic sourcing requirements for CWSRF treatment works projects with the inclusion of the BABA Act. Starting on **May 14, 2022**, all steel, iron, manufactured products, non-ferrous metals, plastic and polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables), glass (including optic glass), lumber, and drywall used in infrastructure projects for federal financial assistance programs must be produced in the United States, unless (i) the SRF borrower has requested and obtained a waiver from the USEPA pertaining to the Project or the Project is otherwise covered by a general applicability waiver; or (ii) the MassDEP has otherwise advised the borrower in writing that the BABA requirement is not applicable to the project. The Made in America Office at the Office of Management and Budget (OMB) has developed initial overarching implementation guidance: <https://www.whitehouse.gov/wp-content/uploads/2022/04/M-22-11.pdf>. Additionally, the USEPA issued an adjustment period waiver for projects that initiated planning design prior to May 14, 2022, a small project applicability waiver for projects with SRF loans of \$250,000 or less, and a De Minimis waiver: <https://www.epa.gov/cwsrf/build-america-buy-america-baba-approved-waivers>. The USEPA issued BABA Implementation Procedures for EPA Office of Water Federal Financial Assistance Programs which includes both CWSRF and DWSRF programs on November 3, 2022, for details visit: <https://www.epa.gov/system/files/documents/2022-11/OW-BABA-Implementation-Procedures-Final-November-2022.pdf>. Furthermore, on November 13, 2023, the USEPA issued the Amended Public Interest Waiver for SRF projects that initiated design prior to May 14, 2022, for details visit: <https://www.epa.gov/system/files/documents/2023-11/epa-amend-srf-design-planning-waiver.pdf>.

- BIL establishes an additional subsidy range of 10% to 30% for the annual CWSRF Base Grant. While Congress also requires that states use 10% of the annual CWSRF Capitalization Grant for additional subsidy, Massachusetts expects a Base Grant award of approximately \$25.5 million in 2024. Additional subsidy will be provided in the form of loan forgiveness for communities that might otherwise be unable to afford to undertake a project. MassDEP and the Trust will continue to provide loan forgiveness as a fixed percentage of principal. Further details may be found in Section A of this IUP. Information about the Trust's Annual Affordability Calculation may be found on the following webpage: [https://www.mass.gov/info-details/the-disadvantaged-community-program#disadvantaged-community-designation-\(affordability-calculation\)-and-loan-forgiveness-distribution-](https://www.mass.gov/info-details/the-disadvantaged-community-program#disadvantaged-community-designation-(affordability-calculation)-and-loan-forgiveness-distribution-) .
- The Trust is offering loan forgiveness for projects with a renewable energy component regardless of Disadvantaged Community status.
- To better address specific state priorities, Section 302 of the 1996 Safe Drinking Water Act Amendments, allow states the flexibility to move funds between the CWSRF and the Drinking Water State Revolving Fund (DWSRF) programs. Massachusetts will transfer funds from the CWSRF to the DWSRF program in the amount of \$3.5 million (33% of the 2024 DWSRF base grant amount of \$10.6 million). BIL allows states the flexibility to move funds between the CWSRF and the DWSRF programs. Massachusetts will transfer funds from the CWSRF supplemental grant in the amount of \$16.3 million representing 33% of the 2024 DWSRF supplemental grant amount of \$49.3 million. Due to great demand for PFAS remediation in drinking water projects, Massachusetts will transfer \$5.2 million of CWSRF Emerging Contaminant supplemental funds to the DWSRF Emerging Contaminant program representing nearly 33% of the DWSRF Emerging Contaminant grant amount. This transfer will not adversely impact the CWSRF project financing in this IUP. Furthermore, Massachusetts reserves authority of future transfers of supplemental BIL funds.
- To encourage communities and public utilities to engage in planning activities, MassDEP is accepting planning loan applications on a rolling basis, while funding is available.

MassDEP appreciates the efforts that all project proponents have invested in the development of project proposals and recognizes their intent to enhance and protect the quality of waters of the Commonwealth.

**TABLE 1**  
**CLEAN WATER STATE REVOLVING FUND**  
**Calendar Year 2024 CWSRF Draft Intended Use Plan**

**NEW PROJECTS**

Rating	Applicant	SRF ID	Project	Project Cost	2024 IUP Cost
553	BARNSTABLE (PF)(SG)	16677	Nitrogen Removal Improv. & New Headworks Facility	\$155,265,000	\$30,000,000
548	NEW BEDFORD (PF)#	16872	Wastewater Pumping Station Improvements	\$13,485,000	\$13,485,000
547	BARNSTABLE (H)(PF)	16683	Route 28 West Sewer Expansion Project	\$59,650,000	\$10,000,000
547	ROCKLAND (PF)(BG)	16871	Wastewater Treatment Facility Upgrades	\$21,500,000	\$21,500,000
544	NEW BEDFORD (PF)#	16873	Wastewater Collection System Improvements	\$74,965,000	\$17,515,000
543	BILLERICA (H)(PF)#	16802	Infiltration/Inflow Rehabilitation Project	\$1,586,500	\$1,586,500
542	NANTUCKET (H)#	16693	Phase 2 Surfside WWTF Improvements	\$13,118,000	\$13,118,000
541	HARWICH (PF)	16674	Harwich Routh 28 Sewer Project	\$6,500,000	\$6,500,000
540	FALL RIVER (PF)#	16727	Stafford Square Flood Mitigation	\$29,385,400	\$25,720,000
540	HAVERHILL (PF)#	16876	Haverhill Locke Street Phase 1	\$8,894,300	\$8,894,300
540	MASHPEE (PF)(BG)	16791	Phase 2 Mashpee Treatment and Collection System	\$80,000,000	\$50,000,000
540	REVERE (H)(PF)#	16729	Phase 15 Construction - I/I, IDDE, P.S. & Drainage	\$12,000,000	\$12,000,000
540	FALL RIVER (PF)#	16710	Mothers Brook Sewer Replacement	\$24,280,000	\$24,280,000
540	HAVERHILL (PF)#	16691	Locke Street Sewer Separation - Phase 2	\$14,040,000	\$14,040,000
540	BARNSTABLE (H)(PF)	16754	Phinney's Lane Neighborhoods Sewer Expansion	\$38,766,000	\$10,000,000
539	SAUGUS (PF)#	16762	Comprehensive Sewer System Rehabilitation - 2	\$2,480,495	\$2,480,495
539	GLOUCESTER (H)(PF)(SG)	16775	WPCF Secondary Treatment and Facility Upgrades	\$205,972,280	\$50,000,000
538	ACUSHNET (PF)	16709	CWMP Needs Area 2 Sewer Extension	\$15,000,000	\$15,000,000
538	LOWELL (H)(PF)(SG)	16760	Phase 1 Humphrey's Brook Area CSO Separation	\$23,000,000	\$23,000,000
537	SANDWICH (PF)	16718	Sandwich High School WWTF Upgrades	\$9,100,000	\$9,100,000
536	LAWRENCE (H)(PF)#	16712	Sewer and Drainage Improvements/ Contract 7	\$9,251,000	\$9,251,000
536	EASTON (H)	16851	Five Corners Needs Area - Secondary Pump Station	\$3,955,000	\$3,955,000
536	HAVERHILL (PF)#	16711	Sewer System Improvements - CIPP Lining	\$2,345,000	\$2,345,000
535	HAVERHILL (PF)	16761	WWTF and South Mill Street Pump Station Upgrades	\$54,710,000	\$14,594,200
535	QUINCY (H)(PF)#	16753	FY25 Sewer & Drain Improvements	\$7,000,000	\$7,000,000
534	DENNIS (PF)	16676	Phase 1 - WRRF and Collection System	\$188,600,000	\$50,000,000
533	TYNGSBOROUGH (H)(PF)	16695	Phase 3 Sewer Extension & Sunset Park	\$22,165,374	\$22,165,374
532	BILLERICA (H)(PF)	16724	Sewer Contract 38	\$25,525,500	\$25,525,500
532	FALMOUTH (PF)	16728	Falmouth TASA Phase 1 Collection and Recharge	\$41,300,000	\$41,300,000
532	NEWTON (H)	16829	PCP Structural Stormwater Control Implementation	\$20,127,081	\$20,127,081

531 NAHANT	16706 Sewer Collection System Repair & Replacement 2024	\$24,471,000	\$24,471,000
531 NORTH READING (H)	16801 North Reading Wastewater Collection System	\$113,600,000	\$50,000,000
528 SWANSEA (PF)	16705 Route 6 Corridor Sewer Collection System	\$57,109,938	\$57,109,938
528 SUDBURY (H)	16697 WWTF & Collection System Project	\$58,711,600	\$50,000,000
526 WELLFLEET (H)	16854 95 Lawrence Wastewater Treatment and Collection	\$6,309,000	\$6,309,000
524 QUINCY (H)(PF)	16779 Wollaston Stormwater Capacity Improvements Phase 1	\$5,250,000	\$5,250,000
523 BOSTON WATER AND SEWER COMMISSION (H)#	16690 East Boston Sewer Separation Phase IV	\$143,936,993	\$50,000,000
510 ACTON (H)	16800 Acton Great Road Sewer Project	\$21,475,000	\$21,475,000
448 NEW BEDFORD (PF)	16864 WWTP Improvements	\$19,000,000	\$19,000,000
437 PROVINCETOWN (H)#	16758 I-I and Sewer Redirects	\$974,000	\$974,000
437 MARION	16785 Creek Road Pump Station Resiliency Improvements	\$3,350,000	\$3,350,000
434 PROVINCETOWN (H)	16703 Provincetown Phase 6B Collection System Expansion	\$32,988,700	\$32,988,700
434 HAVERHILL (PF)	16799 Closure of Northern Mound of Haverhill Landfill	\$10,126,500	\$10,126,500
433 PROVINCETOWN (H)	16716 Jerome Smith Pump Station	\$848,000	\$848,000
433 BILLERICA (H)(PF)	16868 Brown Street Force Main Rehabilitation/Replacement	\$14,655,198	\$14,655,198
423 WELLFLEET (H)	16780 Wellfleet Enhanced I&A Septic System Program	\$448,800	\$448,800
<b>TOTAL OF NEW PROJECTS</b>		<b>\$1,697,221,659</b>	<b>\$901,488,586</b>

(Count: 46)

(Average Rating: 518.63)

(BG) - Base Capitalization Grant

(D) - Dropped by Applicant

(H) - Housing Choice Communities

(PF) - Affordability Criteria

(RE) - Potential Renewable Energy Projects

(SG) - BIL CWSRF General Supplemental Grant

# - Projects contains Energy Efficiency, Renewable Energy and/or meets EPA's definition of a Green Project (<https://www.epa.gov/greeningepa/energy-and-emissions-epa>)

**MULTI-YEAR CARRYOVER AND STATUTORY PROJECTS**

<b>Applicant</b>	<b>SRF ID</b>	<b>Project</b>	<b>Project Cost</b>	<b>2024 IUP Cost</b>
LYNN WATER AND SEWER COMMISSION	7024	West Lynn Sewer Separation - Phases 3, 4, & 5	\$68,833,914	\$20,087,122
MASSACHUSETTS WATER RESOURCES AUTHORITY	6822	DITP Clarifier #2	\$289,359,690	\$1,000,000
MASSACHUSETTS WATER RESOURCES AUTHORITY	4150	DITP Asset Protection Phase 3	\$66,500,000	\$1,000,000
WAREHAM (PF)	12430	WPCF Improvements - Phase 2	\$36,450,000	\$20,450,000
YARMOUTH (PF)	8349	Phase I - WRRF and Collection System	\$207,244,000	\$50,000,000

**TOTAL OF MULTI-YEAR CARRYOVER AND STATUTORY PROJECTS** **\$668,387,604** **\$92,537,122**

(Count: 5)

**MassDEP PRIORITY PROJECTS**

<b>Applicant</b>	<b>SRF ID</b>	<b>Project</b>	<b>Project Cost</b>	<b>2024 IUP Cost</b>
COMMUNITY SEPTIC MANAGEMENT	3850	Community Septic Management Program	\$5,000,000	\$5,000,000
EMERGENCY SRF SET-ASIDE	2977		\$3,000,000	\$3,000,000
PLANNING AND PFAS SRF SET-ASIDE	13575		\$15,000,000	\$15,000,000

**TOTAL OF MassDEP PRIORITY PROJECTS** **\$23,000,000** **\$23,000,000**

(Count: 3)

**TOTAL OF DRAFT INTENDED USE PLAN** **\$2,388,609,263** **\$1,017,025,708**

**TABLE 2**  
**CLEAN WATER STATE REVOLVING FUND**  
**Calendar Year 2024 CWSRF ASSET MANAGEMENT PLANNING PROJECTS**

**ASSET MANAGEMENT PLANNING PROJECTS**

<b>Rating</b>	<b>Applicant</b>	<b>SRF ID</b>	<b>Project</b>	<b>Project Cost</b>	<b>Grant Amount</b>	<b>Loan Amount</b>
96 *	HUNTINGTON	16850	Huntington Water and Sewer Asset Management	\$149,625	\$89,775	
95	UPPER BLACKSTONE CLEAN WATER	16773	Upper Blackstone Clean Water Asset Management Plan	\$250,000	\$150,000	
92	HOPEDALE	16776	Hopedale Water & Sewer Asset Management Plan	\$250,000	\$150,000	
92	BARNSTABLE (H)	16834	Barnstable Stormwater Asset Management Plan	\$200,000	\$120,000	
90	SOUTH HADLEY	16756	Wastewater Asset Management Project	\$250,000	\$150,000	
88	EDGARTOWN	16805	Stormwater Asset Management Project	\$250,000	\$150,000	
87	SOUTHBRIDGE	16745	Stormwater Asset Management Project	\$150,000	\$90,000	
85 *	LEICESTER WATER SUPPLY DISTRICT	16790	FY2025 Sewer AM Planning Project (CMOM Year 1)	\$246,057	\$147,634	
84	HULL	16774	Hull Sewer Asset Management Plan	\$250,000	\$150,000	
82	ASHLAND (H)	16803	Ashland Asset Management	\$75,000	\$45,000	
80	CANTON (H)	16823	Asset Management Planning	\$246,015	\$147,609	
79	AGAWAM	16678	Agawam Asset Management Plan - Phase II	\$250,000	\$150,000	
79	METHUEN (H)	16782	Methuen Asset Management Plan Phase 2	\$250,000	\$150,000	
77 *	CHERRY VALLEY SEWER DISTRICT	16796	FY2025 Sewer AM Planning Project	\$112,060	\$67,236	
77	DANVERS	16828	Danvers Stormwater Asset Management Project	\$175,000	\$105,000	
77	HOLDEN	16759	Water and Wastewater Asset Management Plan	\$125,000	\$75,000	
76	WRENTHAM (H)	16874	Stormwater System Asset Management Plan	\$250,000	\$150,000	
74	NANTUCKET (H)	16736	Nantucket CMMS Implementation & Asset Mgt. Plan	\$815,000	\$150,000	
74	WAKEFIELD (H)	16816	Wakefield - Utility Plan & Tie Card Integration	\$259,000	\$150,000	
71	BLACKSTONE	16857	Blackstone Water System Asset Management	\$90,600	\$54,360	
70 *	DEERFIELD	16810	Stormwater Asset Management Plan (Phase 1)	\$258,875	\$150,000	
70	NEWTON (H)	16835	City of Newton Stormwater AMP	\$250,000	\$150,000	
70	BELLINGHAM (H)	16862	Stormwater Asset Management Plan	\$149,700	\$89,820	
69 *	NORTH BROOKFIELD	16751	Asset Management Planning	\$177,557	\$106,534	
68	SOUTH ESSEX SEWERAGE DISTRICT	16726	Peabody Salem Interceptor Condition Assessment	\$330,000	\$150,000	
68 *	LYNNFIELD	16798	Lynnfield Asset Management Inventory and Planning	\$145,081	\$87,048	
68 *	MONTAGUE	16733	Wastewater Asset Vulnerability Inventory	\$125,000	\$75,000	
66 *	LEE	16777	FY2025 Sewer AM Planning Project (CMOM Year 2)	\$325,542	\$150,000	

66 *	WESTMINSTER	16778	Westminster Asset Inventory and Planning	\$216,041	\$129,624	
65 *	WILLIAMSTOWN	16786	FY2025 Sewer AM Planning Project (CMOM Year 2)	\$367,004	\$150,000	
63 *	DEERFIELD	16748	FY2025 Sewer AM Planning Project (CMOM Phase 2)	\$281,052	\$150,000	
63	MIDDLEBOROUGH (H)	16833	Middleborough Wastewater Asset Management Planning	\$236,172	\$141,703	
61 *	HATFIELD	16808	Stormwater Asset Management Plan (Phase 1)	\$227,765	\$136,659	
61	NEEDHAM (H)	16855	Needham Sanitary Sewer System Asset Mapping	\$249,345	\$149,607	
59	BEDFORD	16784	Bedford Stormwater Asset Management Plan	\$250,000	\$150,000	
59	WEST SPRINGFIELD	16826	Sewer SCADA Improvements	\$366,000	\$150,000	\$216,000
59	SWAMPSCOTT (H)	16747	Asset Management Planning	\$160,370	\$96,222	
58 *	HATFIELD	16794	FY2025 Sewer AM Planning Project (CMOM Year 1)	\$226,405	\$135,843	
58	HOOSAC WATER QUALITY DISTRICT	16797	WWTF AM Plan and Capital Improvements Plan	\$257,444	\$150,000	
58	ATHOL	16844	Stormwater GIS Asset Management	\$178,000	\$106,800	
58	SUDBURY (H)	16789	Sudbury Stormwater AMP	\$250,000	\$150,000	
57	MEDFIELD (H)	16787	Medfield Sewer Collection AMP	\$250,000	\$150,000	
56 *	LENOX	16792	FY2025 Sewer AM Planning Project (CMOM Year 2)	\$299,283	\$150,000	
56	BEVERLY (H)	16865	Beverly Wastewater Infrastructure Asset Mgmt. Plan	\$260,000	\$150,000	
55 *	GREAT BARRINGTON (H)	16795	FY2025 Sewer AM Planning Project (CMOM Year 4)	\$312,841	\$150,000	
54	PLAINVILLE (H)	16781	Plainville Asset Management Plan	\$250,000	\$150,000	
46 *	ORANGE	16788	FY2025 Sewer AM Planning Project (CMOM Year 1)	\$286,371	\$150,000	
34	WESTWOOD	16807	Westwood Storm Water Master Plan	\$250,000	\$150,000	
32	COHASSET	16870	Cohasset WWTP AMP	\$225,000	\$135,000	

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**TOTAL OF ASSET MANAGEMENT PLANNING PROJECTS** **\$11,804,205** **\$6,381,474** **\$216,000**

(Count: 49)

**TOTAL OF PROJECT PRIORITY LIST** **\$11,804,205** **\$6,381,474** **\$216,000**

\* - small systems

## BACKGROUND

In 1987, Congress established a program of Capitalization Base Grants for states to create the CWSRF loan programs. These programs provide state-administered subsidized loans to finance the construction of publicly owned water pollution abatement projects. Under the CWSRF program, states provide a 20% match to the federal Capitalization Base Grant to create loan funds. Projects to be financed are selected using a priority ranking system based upon the public health and environmental protection benefits of the proposed projects and improved compliance.

The CWSRF is jointly administered by MassDEP and the Trust. MassDEP manages the technical aspects of the project development, while the Trust manages the disbursement of funds and the sale of bonds to provide additional capital to the program.

Pursuant to the applicable provisions of the Federal Water Pollution Control Act of 1972, as amended, Chapter 21 of the General Laws, and 310 CMR 44.00, MassDEP has developed its Calendar Year 2024 Intended Use Plan/Project Priority List (IUP/PPL), with its attendant ranking of water pollution abatement projects as noted in Table 3. A project must appear on the PPL and the IUP Project Listing to receive financial assistance under the CWSRF Loan program.

This IUP includes approximately \$1 billion in financing and describes Massachusetts' intended uses for all funds available in the CWSRF program for 2024, including the projects for which Massachusetts expects to provide financial assistance. This IUP also provides an overview on how the Commonwealth will comply with federally mandated requirements.

This IUP contains a list of 49 clean water AMP project proposals, totaling \$11.8 million that will receive grant funding. These communities will receive 60% of the project cost, up to \$150,000, as a grant from the Trust, totaling \$6.4 million. The remaining project costs are to be funded by local contributions of cash, or a combination of cash and in-kind services. All or part of the local contribution may be financed by a loan from the Trust at the standard 2% interest rate with a term of up to five years.

All new projects receiving financial assistance from the CWSRF will be eligible for loans at a 2% interest rate or, in certain instances, below 2%. The Commonwealth subsidizes these loans, funding the spread between market interest rates and the awarded loan interest rates. Certain priority projects, with the primary purpose of nutrient enrichment reduction, or emergency projects that remediate PFAS from the environment, may be eligible for 0% interest loans. A determination by MassDEP will be made as to the eligibility for 0% interest loans before the loan is permanently financed and put into repayment status. The standard term for constructions loans is 20 years.

To be considered for financing priority, communities must have appropriated the necessary local project funds or have committed to a schedule to obtain those funds by **June 30, 2024**.

Completed loan applications must be submitted to MassDEP at the earliest possible time, but not later than **October 11, 2024**. A complete application must contain the local debt authorization and the required supporting documentation. Any project not meeting these deadlines will be

removed from the IUP Project Listing. A project on the IUP Project Listing may be bypassed if MassDEP determines that the project will not be ready to proceed during the financing period. Subject to availability of funds, project(s) bypassed may be replaced by the highest ranked priority project(s) on the PPL that are ready to proceed, or the funds may be used for cost increases to other projects approved previously. Following receipt of a complete loan application package, MassDEP must issue a Project Approval Certificate to the Trust, no later than **December 31, 2024**, certifying the total costs of the project determined to be eligible for financial assistance. The Trust then proceeds to execute loan commitments.

All SRF related documents, including this IUP, the priority ranking system, loan application forms, regulations, and IUPs from the previous year, may be found on the MassDEP website at: <http://www.mass.gov/eea/agencies/massdep/water/grants/state-revolving-fund.html>.

## **I. CALENDAR YEAR 2024 PROJECT FINANCING**

In calendar year 2024, MassDEP expects to finance 46 new construction projects and 5 carryover projects totaling \$1 billion. Included in this amount is a \$3 million emergency reserve to finance unanticipated problems of acute public health concern that may arise during the year. Also included is a \$5 million allocation to the CSMP, and an additional \$15 million to finance planning and emergency PFAS projects. Table 1 is the list of projects recommended for financing for 2024. Table 3 is the extended PPL. Tables 2 and 4 list the projects that have been selected to receive grants from the Trust for their AMP projects.

Following are some of the more notable CWSRF program components and requirements:

### **A. Additional Subsidy**

Federal law applicable to the 2024 CWSRF Base Grant requires that a minimum of 20% of the grant amount, but no more than 30%, be provided as additional subsidy to Disadvantaged Communities based on the affordability tier system, provided eligible applicants exist. In the calendar year 2024 CWSRF IUP, Massachusetts intends to award a minimum of \$2.5 million of the CWSRF Base Grant in additional subsidy to eligible projects. In addition, Massachusetts expects to receive \$77.2 million for the Supplemental CWSRF Grant. The Supplemental CWSRF Grant requires that Massachusetts provide \$37.8 million, 49% of the total grant amount, as loan forgiveness to Disadvantaged Communities.

Eligible construction projects for Disadvantaged Communities appearing on the 2024 IUP will receive additional subsidy, to the extent that funds are available, in the form of loan forgiveness based on the affordability tier system described below and provided as a set percentage based on the community's tier ranking. Massachusetts has established affordability criteria to identify Disadvantaged Communities, which drives the distribution of loan forgiveness. The assignment of communities to an affordability tier is based on an adjusted per capita income (APCI) calculation. Tier rankings are calculated annually by comparing a community's APCI as a percentage of the Commonwealth's APCI. See the following table for the tier breakdown.

<b>Tier</b>	<b>Percent of State APCI</b>	<b>Minimum Loan Forgiveness</b>
1	80% or greater, but less than 100%	3.3%
2	60% or greater, but less than 80%	6.6%
3	Less than 60%	9.9%

*BIL funding may increase the amount of loan forgiveness to Disadvantaged Communities beyond these standard offerings.*

Projects that have a renewable energy component will qualify as a Tier 1 community and receive loan forgiveness for the portion of the loan that is financing the renewable energy component.

*Loan forgiveness will be awarded to construction contracts that are executed by **June 30, 2024**, and may be limited to the lesser of the executed contracts or the IUP cost. Planning projects are not eligible for loan forgiveness.*

In addition to meeting the [Affordability Criteria](#), under Massachusetts General Law Chapter 259 of the Acts of 2014, *An Act Improving Drinking Water and Wastewater Infrastructure*, applicants for additional subsidy are required to:

- establish water enterprise funds (or equivalent separate restricted accounts); and,
- not have made any transfers from such enterprise fund in the last five years to fund the community’s general operating budget.

## **B. Housing Choice Initiative**

Communities that have earned the [Housing Choice](#) designation at the time of the SRF project solicitation are eligible to have their loan’s interest rate reduced by 0.5% (for example from 2% to 1.5% for a standard term loan). However, under no circumstance can the interest rate fall below 0%. For example, if a community qualifies for a 0% interest loan for a nutrient reduction project, it cannot receive an added discount through the Housing Choice designation. Housing Choice initiative communities must also certify to the enterprise fund requirements noted above.

## **C. Green Infrastructure**

Congress requires that at least 10% of the federal CWSRF Base and BIL Supplemental CWSRF grants be dedicated to Green Infrastructure projects, or components, as defined by the USEPA. For Massachusetts, this may require that approximately \$10.3 million be allocated towards Green Infrastructure projects that minimize greenhouse gas emissions and energy use. For 2024, MassDEP will work to determine the value of the Green projects or portions of projects that qualify as Green. The total value of green components of those projects will be determined when detailed project applications are submitted.

MassDEP expects to meet the minimum \$10.3 million that USEPA requires to be allocated towards Green Infrastructure projects.

## **D. Applicant Cap**

The Massachusetts SRF regulations (310 CMR 44) place a limit on any one proponent receiving any more than 33% of the available financing each year. Because of the shortfall of available funds relative to the number of worthwhile projects, and to extend financial assistance to as many highly ranked projects as possible, MassDEP is implementing an applicant cap of \$50 million for the 2024 financing period. MassDEP however, reserves the right to waive the applicant cap limitation if MassDEP and the Trust determines that one or more projects on the IUP Project Listing are not ready to proceed. If the applicant cap is waived, communities may see an increase in financing for projects not fully financed on the IUP listing.

## **E. Fiscal Sustainability Planning**

For treatment works proposed for repair, replacement, or expansion, the USEPA requires that borrowers develop and implement a fiscal sustainability plan (FSP) that includes:

- an inventory of critical assets that are a part of the treatment works;
- an evaluation of the condition and performance of inventoried assets or asset groupings;
- a certification that the recipient has evaluated and will be implementing water and energy conservation efforts as part of the plan; and
- a plan for maintaining, repairing, and, as necessary, replacing the treatment works, and a plan for funding such activities; or
- a certification that the borrower has developed and implemented a plan that meets these requirements.

Except for the third bullet above, these are all components of an AMP. The AMP grant program is designed to help communities cover 60% or up to \$150,000 of the costs associated with developing an AMP. The USEPA issued a Best Management Practices guide for the development of AMPs, which may be used as a basis for the development of an FSP <https://nepis.epa.gov/Exe/ZyPURL.cgi?Dockey=P1000LP0.txt>. There are numerous other guidance documents available on the USEPA website and several other states (New Mexico and New Jersey, among others) have developed detailed guidance on the development of AMPs, which is publicly available.

At project completion, MassDEP requires certification from the borrower's Project Engineer stating that an FSP has been developed and implemented. The development of FSPs is an eligible SRF cost, and borrowers on the 2024 IUP may request an increase to their project cost to cover the development of the FSP or can apply in future years for

the AMP grant program <https://www.mass.gov/service-details/asset-management-planning-grant-program>.

## **F. Cost and Effectiveness**

USEPA requires a certification that the borrower:

- has studied and evaluated the cost and effectiveness of the processes, materials, techniques, and technologies for carrying out the proposed project; and
- has selected, to the maximum extent practicable, a project that maximizes the potential for efficient water use, reuse, recapture, conservation, and energy conservation, considering:
  - the cost of constructing the project,
  - the cost of operating and maintaining the project over its life; and
  - the cost of replacing the project.

MassDEP expects that applicants will have evaluated the cost of their project, as well as the effectiveness of the solution, in the required planning element such as a Comprehensive Wastewater Management Plan or a Project Evaluation Report. These reports typically evaluate alternatives and compare their various life cycle costs. The only additional work is to evaluate that the project maximizes the potential for efficient water use and energy conservation. This evaluation, if not already complete, can be appended to the planning document.

A Cost and Effectiveness Certification form is required to be submitted with each Loan Application package.

## **G. Architectural and Engineering (A/E) Services Procurement**

The USEPA requires that A/E services that are paid with federal funds be procured using the qualifications-based selection process under 40 U.S. Code § 11 or an equivalent state qualifications-based requirement.

There are two Massachusetts statutes for procuring A/E services: Chapter 149 for vertical construction; and Chapter 30B for horizontal construction. Chapter 149 appears to meet the qualifications-based selection requirement while Chapter 30B does not.

Rather than add a third method of procurement or forcing communities into using a different method of procurement for horizontal construction and/or owner's project manager services, the Trust has chosen to not use federal funds for any A/E services. SRF federal funds will still be available for construction services. However, on projects that receive federal funds for construction, the A/E services may be split out into a separate loan using non-federal funds.

## H. Project Accounting

The USEPA requires that project accounts be maintained in accordance with the most recent applicable standard. The current standard is Governmental Accounting Standards Board (GASB) Statement No. 34, which was issued in June 1999 and details governmental reporting requirements including standards for reporting infrastructure assets.

## E. Set-Aside Activities

Amendments to the Clean Water Act through the BIL allows states to use 2% of the CWSRF Base and BIL Supplemental grants for technical assistance. MassDEP and the Trust have contracted with a qualified organization to provide technical assistance to small, rural, and tribal publicly owned treatment works, particularly in Disadvantaged Communities, for the purpose of encouraging participation in the CWSRF program. The [CWSRF technical assistance](#) program will include aiding eligible communities with the preparation of Project Evaluation Forms (PEFs), SRF loan applications, and other relevant documents. Additionally, MassDEP and the Trust are in the process of implementing a grant program directly to communities for technical assistance using this set-aside. More information will be published shortly regarding the grant process. MassDEP is proposing to utilize \$600,000 of the 2022 2% banked set-aside to establish a grant program to promote the reduction of nitrogen loading in coastal embayments to support compliance with the updated Title 5 regulations and the new Watershed Permitting regulations and to enable other coastal areas to participate in updated Title 5/new Watershed Permitting regulations.

## II. SHORT- AND LONG-TERM GOALS

The following are the goals that Massachusetts has set for its CWSRF.

### Short-Term Goals

- Solicit projects and prioritize projects that assist the Commonwealth in maximizing the utilization of BIL grant funds.
- Increase flexibility for proactive planning with a rolling application process for planning projects.
- Prioritize projects that promote nutrient removal in Nitrogen Sensitive Areas.
- Prioritize projects that eliminate or abate Combined Sewer Overflow discharges.
- Allocate at least 10% of the annual Base and Supplemental CWSRF annual federal grants to Green Infrastructure projects, or components, for projects that minimize greenhouse gas emissions and energy use.
- Ensure that wastewater treatment projects financed through the SRF fully consider cost-effective energy efficiency measures and/or renewable energy strategies.
- Finance eligible projects addressing unanticipated problems of acute public health concern that arise during the year and constitute an imminent public health threat.
- Utilize CWSRF set-aside grant funds to ensure that small and rural communities can

participate in the SRF program by providing additional assistance.

- Provide targeted outreach and engage with communities across the Commonwealth about SRF program benefits, priorities, and opportunities to improve water quality, reduce project costs, and enhance resiliency.

## Long-Term Goals

- Efficiently allocate and distribute BIL funds.
- Identify and prioritize additional subsidy for projects in the IUP that serve Disadvantaged Communities.
- Assist stormwater and wastewater treatment plant operators to finance projects to address the impact of climate change and resiliency as indicated in the Commonwealth's [Hazard Mitigation and Climate Adaptation Plan](#), by encouraging resiliency and climate adaptation in the design and construction of water infrastructure.
- Promote systematic asset management planning for water, wastewater, and stormwater utilities to achieve long-term sustainability, implementable climate change mitigation and resiliency measures, and deliver consistent service in a cost-efficient manner.
- Promote public engagement and program transparency by publishing informative and readily accessible program materials and reports.

## III. ALLOCATION OF FUNDS

### A. Criteria and Method for Distribution of Funds

Massachusetts seeks to finance projects that mitigate documented threats to public health and/or impacts to the environment, and for which proponents have completed comprehensive planning and alternatives analysis. Details supplied through the PEF help MassDEP determine the extent to which projects meet the goals of the program. Once all project proposals have been reviewed and ranked following the Clean Water State Revolving Fund 2024 Project Evaluation Form instructions and guidance, <https://www.mass.gov/lists/state-revolving-fund-applications-forms#2020-project-evaluation-form-instructions-and-guidance>, the PPL is developed as shown in Table 3. With input from the Trust, MassDEP identifies all the sources of funds and spending limits and develops the IUP Project Listing as shown in Table 1.

To be considered eligible for financing, projects must meet state and federal eligibility requirements, must be ready to proceed during the financing period, have appropriated local funds necessary to finance the project, and have a MassDEP-approved planning element. An approvable planning element can be a Project Evaluation Report, Comprehensive Water Resources Management Plan, Long-term Combined Sewer Overflow (CSO) Strategy, Stormwater Management Plan, or other MassDEP sanctioned planning document. Eligibility includes consistency with the assurances described in this

document and the requirements contained within MassDEP's financial assistance regulations: <https://www.mass.gov/regulations/310-CMR-4400-the-clean-water-state-revolving-fund>. Projects on Cape Cod are required to be consistent with the Cape Cod Area-Wide Section 208 Water Quality Management Plan (Cape Cod 208 Plan). Eight Cape Cod communities: Barnstable, Dennis, Falmouth, Harwich, Mashpee, Provincetown, Sandwich, and Wellfleet have proposals on this IUP; the Cape Cod Commission has determined that these projects are consistent with the Cape Cod 208 Plan.

MassDEP reserves the right to increase the amount allocated to any project appearing on this IUP, should additional federal or state funding or program loan capacity become available.

## **B. Project Bypass Procedure**

A project on the IUP Project Listing may be bypassed if MassDEP determines that the bypassed project will not be ready to proceed during the financing period. Subject to availability of funds, project(s) bypassed may be replaced by the highest ranked priority project(s) on the PPL that are ready to proceed, or the funds may be used for cost increases to other projects approved previously. Complete project applications not received by MassDEP by **October 11, 2024**, will be automatically considered for bypassing.

The Trust and MassDEP will not add projects to the PPL/IUP beyond those that may qualify for financing as emergency assistance, CSMP, or planning projects. MassDEP, considering any material program change that would require amendments to this IUP, will provide public notice and an appropriate comment period before issuing an amended IUP.

## **C. Types of Projects to be Financed and Financing Rates**

For an eligible borrower's water pollution abatement project to receive financial assistance from the Trust, the project must meet eligibility guidelines. Such eligible projects include, but are not limited to:

- Wastewater Treatment Projects, as defined in 310 CMR 44.03;
- Infiltration Inflow (I/I) Projects, as defined in 310 CMR 44.03;
- Collection System Projects, as defined in 310 CMR 44.03. However, 85% of the expected wastewater flow into the proposed collection system must be for wastewater flows in existence as of July 1, 1995;
- Nonpoint Source Projects, as defined in 310 CMR 44.03;
- Nutrient Management Projects, as defined in 310 CMR 44.03;
- Stormwater Projects;
- Green Infrastructure Projects; and,
- The planning or design for any project in one of the categories identified above.

Costs of construction that MassDEP determines as being necessary for the completion of the project are eligible for financing through the loan and can receive a subsidy under the loan, subject to the applicant cap. Costs for planning projects are eligible for financing during the 2024 financing period. Although costs for design are eligible under SRF regulations, only PFAS design for emergency projects will be financed during this financing period. MassDEP may limit the SRF loan for PFAS design to 10% of the total estimated cost of the PFAS mitigation construction project.

All projects on the IUP are eligible for 2% interest rate loans. Certain projects that are primarily for nutrient removal are eligible for 0% interest rate loans. Nutrient removal projects will be evaluated in accordance with 310 CMR 44.04(2). A determination will be made as to the eligibility for 0% interest loans before loans are permanently financed.

Additionally, communities that implement a CSMP that offers an interest rate reduction to homeowners based on the area median income (AMI) threshold may be eligible for 0% interest loans for the portion that communities will use to issue loans to eligible homeowners below the AMI threshold. Eligibility for the loan is subject to review by MassDEP and an affirmative vote by Trust's Board of Trustees.

## **IV. FINANCIAL MANAGEMENT**

### **A. Source of State Match**

Based on the anticipated 2023 CWSRF Base Grant of \$25.5 million from USEPA, the required 20% state match equals \$5.1 million. In addition, for 2024, Massachusetts expects to receive \$77.2million for the Supplemental CWSRF Grant. The required 20% state match equals \$15.4 million. These state match funds are provided to the Trust from the Commonwealth's Capital Plan.

### **B. Fee Income**

Recipients of SRF loans are charged an annual administrative fee of 0.15% (15 basis points) against the outstanding loan principal to fund salaries and expenses of the Trust and MassDEP related to SRF project development and loan management. As of November 28, 2023, the Trust has a balance of approximately \$48.2 million in its Administrative Account. Additionally, the Trust may charge an amount not to exceed \$5.50 per \$1,000 as a loan origination fee to offset the costs incurred during its bond issuance.

### **C. Program Administration**

The Commonwealth of Massachusetts intends to use the full 4% of the federal Base Grant and the CWSRF BIL Supplemental Grant funds for administrative support of activities related to the CWSRF. Use of those funds is detailed in the CWSRF Grant Application that the Trust files each year with the USEPA.

## **D. Anticipated Cash Draw Ratio**

Massachusetts will draw 100% of the state match funds before drawing federal grant funds.

## **E. Transfer of Funds Between CWSRF and DWSRF**

*Section 302 of the 1996 Safe Drinking Water Act Amendments* allows states the flexibility to move funds between the Clean and the Drinking Water SRF programs to better address specific state priorities. The USEPA allows an equivalent of up to 33% of the Drinking Water Base grant to be transferred between the CWSRF and DWSRF. The CWSRF IUP capacity frequently allows Massachusetts to finance all the priority projects each year accounting for about two thirds of the proposed construction projects. Generally, over half of requested DWSRF construction projects go unfinanced. The level of federal grant funding of the DWSRF is insufficient to meet the need for project financing. Transferring a limited amount of funds from the CWSRF to the DWSRF this year and in the future will help increase the overall capacity of the DWSRF and reduce the number of unfinanced projects with minimal impacts to the CWSRF IUP. Massachusetts will transfer funds from the CWSRF to the DWSRF program in the amount of \$3.5 million (33% of the 2024 DWSRF base grant amount of \$10.6 million). BIL allows states the flexibility to move funds between the CWSRF and the DWSRF programs. Massachusetts will transfer funds from the CWSRF supplemental grant in the amount of \$16.3 million representing 33% of the 2024 DWSRF supplemental grant amount of \$49.3 million. Due to great demand for PFAS remediation in drinking water projects, Massachusetts will transfer \$5.2 million of CWSRF Emerging Contaminant supplemental funds to the DWSRF Emerging Contaminant program representing nearly 33% of the DWSRF Emerging Contaminant grant amount. This transfer will not adversely impact CWSRF project financing in this IUP. Furthermore, Massachusetts reserves authority of future transfers of Supplemental BIL funds.

## **F. Estimated Sources and Uses**

The sources of funds available to the Massachusetts CWSRF include the federal Base Grant, the federal supplemental BIL grants, state match, and borrower loan repayments. The Trust may leverage these funds up to three times. Under this authority, the Trust will offer to finance approximately \$1 billion of CWSRF eligible projects.

## **V. Program Management**

### **A. Assurances and Special Conditions**

MassDEP and the Trust have provided the required assurances and certifications as part of the Operating Agreement (OA) between Massachusetts and the USEPA. The OA describes the mutual obligations among USEPA, MassDEP, and the Trust. The purpose of the OA is to provide a framework of procedures to be followed in the management and administration of the CWSRF.

The OA addresses the commitment to key CWSRF requirements, including:

- Section 602(a) Environmental Reviews: The CWSRF will conduct environmental reviews according to the State Environmental Review Process developed for the SRF.
- Section 603(b) (3) Binding Commitments: The CWSRF will enter binding commitments for 120 percent of each quarterly grant payment within one year of receipt of the payment.
- Section 602(b) (4) Expeditious and Timely Expenditures: The CWSRF will expend all funds in the CWSRF in a timely manner.
- Consistency with Planning. The Commonwealth agrees that it will not provide assistance to any project unless that project is consistent with plans developed under Section 205(j), 208, 303(e), 319, or 320.

## **B. Federal Requirements**

A number of federal requirements apply to CWSRF projects in an amount equal to the Base Grant and BIL Grants including:

- Single Audit Act (2 CFR 200 Subpart F)
- Federal Funding Accountability and Transparency Act (FFATA) reporting
- Disadvantaged Business Enterprise compliance (all projects)
- Federal environmental crosscutters (all projects)
- Federal Flood Risk Management Standard (FFRMS) to comply with Executive Order [\(EO\) 14030](#) that reinstated EO 13690
- Project signage to enhance the public awareness ([Investing in America Signage](#))
- Ineligible Costs: any costs that are prohibited including but not limited to: 2 CFR 200.216, Prohibition on Certain Telecommunications and Video Surveillance Services or Equipment.

MassDEP and the Trust will identify the group of projects that must comply with these requirements in the USEPA grant applications. Frequently, the group of projects changes as projects move towards construction, usually due to attrition. If changes are made to the group of projects, appropriate amendments to the grant application will be made.

## **C. Davis-Bacon Wage Rates**

The amendments to the Clean Water Act, as part of the Water Resources Reform and Development Act, apply the Davis-Bacon Act requirements to all treatment works projects going forward. The Davis-Bacon requirements do not apply to nonpoint source or decentralized wastewater treatment projects. MassDEP ensures that the required Davis-Bacon language is included in contracts and conducts field verifications of project compliance with the wage rate requirements.

## **D. American Iron and Steel and the Build America, Buy America Act**

The amendments to the Clean Water Act, as part of the Water Resources Reform and Development Act, apply the AIS requirements to all treatment works projects. BIL makes the AIS procurement requirement permanent going forward. Furthermore, BIL extends this procurement requirement with the inclusion of the **Build America, Buy America Act (BABA)**. Starting on May 14, 2022, all steel, iron, manufactured products, non-ferrous metals, plastic and polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables), glass (including optic glass), lumber, and drywall used in infrastructure projects for federal financial assistance programs must be produced in the United States, unless (i) the SRF borrower has requested and obtained a waiver from the EPA pertaining to the Project or the Project is otherwise covered by a general applicability waiver; or (ii) the Department has otherwise advised the borrower in writing that the BABA requirement is not applicable to the project. MassDEP ensures that the required procurement language is included in contracts and conducts field verifications of project compliance. Appropriate AIS and BABA language has also been included in the Project Regulatory Agreement and the Financing Agreement.

## **E. Audits and Reporting**

MassDEP and the Trust will comply with all the auditing and reporting requirements of the USEPA. A single audit is conducted annually and reporting to the USEPA is done through the Office of Water State Revolving Fund (OWSRF) data system, Annual Report, and FFATA reporting.

## **VI. Public Review and Comment**

Notice of the availability of the Draft Calendar Year 2024 IUP/PPL will be made on December 27, 2023. MassDEP will hold a public hearing on the Draft IUP virtually on January 31, 2024. Records of the testimony received will be maintained in MassDEP's files. MassDEP will take into consideration the testimony received to finalize this IUP.

**TABLE 3  
CLEAN WATER STATE REVOLVING FUND  
Calendar Year 2024 CWSRF Project Priority List**

**NEW PROJECTS**

Rating	Applicant	NPDES/PERMIT	SRF ID	Project	Project Cost
553	BARNSTABLE (PF)(SG)	Other	16677	Nitrogen Removal Improv. & New Headworks Facility	\$155,265,000
548	NEW BEDFORD (PF)#	MA0100781	16872	Wastewater Pumping Station Improvements	\$13,485,000
547	BARNSTABLE (H)(PF)	Storm Water	16683	Route 28 West Sewer Expansion Project	\$59,650,000
547	OAK BLUFFS (PF)(D)	Ground Water	16752	Oak Bluffs WWTF ENR Upgrade Project	\$0
547	ROCKLAND (PF)(BG)	MA0101923	16871	Wastewater Treatment Facility Upgrades	\$21,500,000
544	KINGSTON (PF)(D)	Ground Water	16725	Effluent Recharge Site No. 3 & Sewer Expansion	\$0
544	NEW BEDFORD (PF)#	Not Applicable	16873	Wastewater Collection System Improvements	\$74,965,000
543	BILLERICA (H)(PF)#	MA0101711	16802	Infiltration/Inflow Rehabilitation Project	\$1,586,500
542	NANTUCKET (H)#	Ground Water	16693	Phase 2 Surfside WWTF Improvements	\$13,118,000
541	HARWICH (PF)	Not Applicable	16674	Harwich Route 28 Sewer Project	\$6,500,000
540	FALL RIVER (PF)#	MA0100382	16710	Mothers Brook Sewer Replacement	\$24,280,000
540	FALL RIVER (PF)#	Not Applicable	16727	Stafford Square Flood Mitigation	\$29,385,400
540	REVERE (H)(PF)#	Not Applicable	16729	Phase 15 Construction - I/I, IDDE, P.S. & Drainage	\$12,000,000
540	BARNSTABLE (H)(PF)	Not Applicable	16754	Phinney's Lane Neighborhoods Sewer Expansion	\$38,766,000
540	MASHPEE (PF)(BG)	Ground Water	16791	Phase 2 Mashpee Treatment and Collection System	\$80,000,000
540	HAVERHILL (PF)#	MA0101621	16876	Haverhill Locke Street Phase 1	\$8,894,300
540	HAVERHILL (PF)#	MA0101621	16691	Locke Street Sewer Separation - Phase 2	\$14,040,000
539	SAUGUS (PF)#	Not Applicable	16762	Comprehensive Sewer System Rehabilitation - 2	\$2,480,495
539	GLOUCESTER (H)(PF)(SG)	MA0100625	16775	WPCF Secondary Treatment and Facility Upgrades	\$205,972,280
538	ACUSHNET (PF)	Storm Water	16709	CWMP Needs Area 2 Sewer Extension	\$15,000,000
538	LOWELL (H)(PF)(SG)	MA0100633	16760	Phase 1 Humphrey's Brook Area CSO Separation	\$23,000,000
537	SANDWICH (PF)	Ground Water	16718	Sandwich High School WWTF Upgrades	\$9,100,000
536	HAVERHILL (PF)#	MA0101621	16711	Sewer System Improvements - CIPP Lining	\$2,345,000
536	LAWRENCE (H)(PF)#	MA0100447	16712	Sewer and Drainage Improvements/ Contract 7	\$9,251,000
536	EASTON (H)	MA0101702	16851	Five Corners Needs Area - Secondary Pump Station	\$3,955,000
535	HAVERHILL (PF)	MA0101621	16761	WWTF and South Mill Street Pump Station Upgrades	\$54,710,000
535	QUINCY (H)(PF)#	Not Applicable	16753	FY25 Sewer & Drain Improvements	\$7,000,000
534	DENNIS (PF)	Ground Water	16676	Phase 1 - WRRF and Collection System	\$188,600,000
533	TYNGSBOROUGH (H)(PF)	MA0100633	16695	Phase 3 Sewer Extension & Sunset Park	\$22,165,374

532	BILLERICA (H)(PF)	MA0101711	16724 Sewer Contract 38	\$25,525,500
532	FALMOUTH (PF)	Ground Water	16728 Falmouth TASA Phase 1 Collection and Recharge	\$41,300,000
532	NEWTON (H)	Storm Water	16829 PCP Structural Stormwater Control Implementation	\$20,127,081
531	NAHANT	Storm Water	16706 Sewer Collection System Repair & Replacement 2024	\$24,471,000
531	NORTH READING (H)	Not Applicable	16801 North Reading Wastewater Collection System	\$113,600,000
528	SUDBURY (H)	Not Applicable	16697 WWTF & Collection System Project	\$58,711,600
528	SWANSEA (PF)	Not Applicable	16705 Route 6 Corridor Sewer Collection System	\$57,109,938
526	WELLFLEET (H)	Not Applicable	16854 95 Lawrence Wastewater Treatment and Collection	\$6,309,000
524	QUINCY (H)(PF)	Storm Water	16779 Wollaston Stormwater Capacity Improvements Phase 1	\$5,250,000
523	BOSTON WATER AND SEWER COMMISSION (H)#	MA0101192	16690 East Boston Sewer Separation Phase IV	\$143,936,993
510	ACTON (H)	Ground Water	16800 Acton Great Road Sewer Project	\$21,475,000
448	NEW BEDFORD (PF)	MA0100781	16864 WWTP Improvements	\$19,000,000
437	PROVINCETOWN (H)#	Ground Water	16758 I-I and Sewer Redirects	\$974,000
437	MARION	MA0100030	16785 Creek Road Pump Station Resiliency Improvements	\$3,350,000
434	HAVERHILL (PF)	Other	16799 Closure of Northern Mound of Haverhill Landfill	\$10,126,500
434	PROVINCETOWN (H)	Ground Water	16703 Provincetown Phase 6B Collection System Expansion	\$32,988,700
433	PROVINCETOWN (H)	Ground Water	16716 Jerome Smith Pump Station	\$848,000
433	BILLERICA (H)(PF)	MA0101711	16868 Brown Street Force Main Rehabilitation/Replacement	\$14,655,198
423	WELLFLEET (H)	Not Applicable	16780 Wellfleet Enhanced I&A Septic System Program	\$448,800
341	PLYMOUTH (H)(PF)	MA0100587	16688 Camelot Drive Sewer Extension Project	\$13,186,000
338	BILLERICA (H)(PF)	MA0101711	16720 Darby Avenue Pump Station	\$2,896,750
337	GREATER LAWRENCE SANITARY DISTRICT (H)(PF)#	MA0100447	16702 Disinfection System Upgrades at GLSD	\$8,133,000
332	WAREHAM (PF)	MA0101893	16769 WPCF Improvements - Phase 2	\$36,450,000
330	HUDSON (PF)	MA0101788	16877 Hudson Wastewater Pump Station Upgrades	\$4,548,000
330	WESTPORT (PF)	Not Applicable	16704 Route 6 Phase 1A Sewer	\$7,509,017
328	PROVINCETOWN (H)	Ground Water	16715 Motta Field Subsurface Effluent Disposal Bed	\$979,000
326	BROCKTON (H)(PF)	MA0101010	16743 Sewer System Rehabilitation Phase 4	\$2,500,000
325	MEDFIELD (H)	MA0100978	16846 Medfield Sewer Infrastructure Rehabilitation	\$932,000
323	TISBURY (PF)#	Not Applicable	16717 Tisbury Enhanced I&A Septic System Program	\$897,600
321	SALEM (H)(PF)	Storm Water	16687 Rosies Pond & Jefferson Avenue Flood Mitigation	\$3,999,000
321	TISBURY (PF)#	Other	16875 Lake Street Park Cluster Wastewater Project	\$2,090,000
320	SALEM (H)(PF)	Storm Water	16689 Ocean Avenue West Pump Station Improvements	\$9,800,000

308	AVON (PF)	Not Applicable	16763	Avon Industrial Park Localized Sewer District	\$13,545,800
239	BARNSTABLE (H)(PF)	Not Applicable	16839	2024 Wastewater Pump Station Improvements Project	\$1,200,000
235	BROCKTON (H)(PF)(RE)#	MA0101010	16742	AWRF Biosolids Management Improvements	\$35,000,000
224	MASSACHUSETTS WATER RESOURCES AUTHORITY	Not Applicable	16880	Cottage Farm CSO Facility PCB Abatement	\$11,660,000
224	TYNGSBOROUGH (H)(PF)#	MA0100633	16696	Phalanx Pump Station Upgrade	\$1,250,000
223	MASSACHUSETTS WATER RESOURCES AUTHORITY #	Other	16732	Interceptor Renewal No. 7: Malden-Melrose	\$10,340,000
219	WORCESTER (H)(PF)	MA0102997	16737	Holden Street Pump Station Rehabilitation Project	\$6,511,000
216	ACTON (H)	Ground Water	16811	Acton Pump Station Rehabilitation	\$2,650,000
216	CONCORD #	MA0100668	16853	Concord WWTP Upgrades - Phase 1	\$8,120,000
214	SHREWSBURY (H)	MA0100412	16694	Walnut St PS Upgrade & FM/Sewer Replacement	\$5,040,200
208	NEEDHAM (H)	Not Applicable	16847	I-95 Sewer Interceptor Improvements	\$12,054,000

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**TOTAL OF NEW PROJECTS** **\$1,898,513,026**

(Count: 72)

(Average Rating: 440.92)

- (BG) - Base Capitalization Grant
- (D) - Dropped by Applicant
- (H) - Housing Choice Communities
- (PF) - Affordability Criteria
- (RE) - Potential Renewable Energy Projects
- (SG) - BIL CWSRF General Supplemental Grant
- # - Projects contains Energy Efficiency, Renewable Energy and/or meets EPA's definition of a Green Project (<https://www.epa.gov/greeningepa/energy-and-emissions-epa>)

**MULTI-YEAR CARRYOVER AND STATUTORY PROJECTS**

<b>Applicant</b>	<b>NPDES/PERMIT</b>	<b>SRF ID</b>	<b>Project</b>	<b>Project Cost</b>
LYNN WATER AND SEWER COMMISSION	MA0100552	7024	West Lynn Sewer Separation - Phases 3, 4, & 5	\$68,833,914
MASSACHUSETTS WATER RESOURCES AUTHORITY	MA0103284	6822	DITP Clarifier #2	\$289,359,690
MASSACHUSETTS WATER RESOURCES AUTHORITY	MWRA Deer Island Sewage Treatment Plant	4150	DITP Asset Protection Phase 3	\$66,500,000
WAREHAM (PF)	MA0101893	12430	WPCF Improvements - Phase 2	\$36,450,000
YARMOUTH (PF)	GW Permit	8349	Phase I - WRRF and Collection System	\$207,244,000

**TOTAL OF MULTI-YEAR CARRYOVER AND STATUTORY PROJECTS** **\$668,387,604**

(Count: 5)

**MassDEP PRIORITY PROJECTS**

<b>Applicant</b>	<b>NPDES/PERMIT</b>	<b>SRF ID</b>	<b>Project</b>	<b>Project Cost</b>
COMMUNITY SEPTIC MANAGEMENT	N/A	3850	Community Septic Management Program	\$5,000,000
EMERGENCY SRF SET-ASIDE	N/A	2977		\$3,000,000
PLANNING AND PFAS SRF SET-ASIDE		13575		\$15,000,000

**TOTAL OF MassDEP PRIORITY PROJECTS** **\$23,000,000**

(Count: 3)

**TOTAL OF PROJECT PRIORITY LIST** **\$2,589,900,630**

**TABLE 4**  
**CLEAN WATER STATE REVOLVING FUND**  
**Calendar Year 2024 CWSRF ASSET MANAGEMENT PLANNING PROJECTS**

**ASSET MANAGEMENT PLANNING PROJECTS**

<b>Rating</b>	<b>Applicant</b>	<b>SRF ID</b>	<b>Project</b>	<b>Project Cost</b>
96 *	HUNTINGTON	16850	Huntington Water and Sewer Asset Management	\$149,625
95	UPPER BLACKSTONE CLEAN WATER	16773	Upper Blackstone Clean Water Asset Management Plan	\$250,000
92	HOPEDALE	16776	Hopedale Water & Sewer Asset Management Plan	\$250,000
92	BARNSTABLE (H)	16834	Barnstable Stormwater Asset Management Plan	\$200,000
90	SOUTH HADLEY	16756	Wastewater Asset Management Project	\$250,000
88	EDGARTOWN	16805	Stormwater Asset Management Project	\$250,000
87	SOUTHBRIDGE	16745	Stormwater Asset Management Project	\$150,000
85 *	LEICESTER WATER SUPPLY DISTRICT	16790	FY2025 Sewer AM Planning Project (CMOM Year 1)	\$246,057
84	HULL	16774	Hull Sewer Asset Management Plan	\$250,000
82	ASHLAND (H)	16803	Ashland Asset Management	\$75,000
80	CANTON (H)	16823	Asset Management Planning	\$246,015
79	AGAWAM	16678	Agawam Asset Management Plan - Phase II	\$250,000
79	METHUEN (H)	16782	Methuen Asset Management Plan Phase 2	\$250,000
77 *	CHERRY VALLEY SEWER DISTRICT	16796	FY2025 Sewer AM Planning Project	\$112,060
77	DANVERS	16828	Danvers Stormwater Asset Management Project	\$175,000
77	HOLDEN	16759	Water and Wastewater Asset Management Plan	\$125,000
76	WRENTHAM (H)	16874	Stormwater System Asset Management Plan	\$250,000
74	NANTUCKET (H)	16736	Nantucket CMMS Implementation & Asset Mgt. Plan	\$815,000
74	WAKEFIELD (H)	16816	Wakefield - Utility Plan & Tie Card Integration	\$259,000
71	BLACKSTONE	16857	Blackstone Water System Asset Management	\$90,600
70 *	DEERFIELD	16810	Stormwater Asset Management Plan (Phase 1)	\$258,875
70	NEWTON (H)	16835	City of Newton Stormwater AMP	\$250,000
70	BELLINGHAM (H)	16862	Stormwater Asset Management Plan	\$149,700
69 *	NORTH BROOKFIELD	16751	Asset Management Planning	\$177,557
68	SOUTH ESSEX SEWERAGE DISTRICT	16726	Peabody Salem Interceptor Condition Assessment	\$330,000
68 *	LYNNFIELD	16798	Lynnfield Asset Management Inventory and Planning	\$145,081
68 *	MONTAGUE	16733	Wastewater Asset Vulnerability Inventory	\$125,000
66 *	LEE	16777	FY2025 Sewer AM Planning Project (CMOM Year 2)	\$325,542

66 *	WESTMINSTER	16778	Westminster Asset Inventory and Planning	\$216,041
65 *	WILLIAMSTOWN	16786	FY2025 Sewer AM Planning Project (CMOM Year 2)	\$367,004
63 *	DEERFIELD	16748	FY2025 Sewer AM Planning Project (CMOM Phase 2)	\$281,052
63	MIDDLEBOROUGH (H)	16833	Middleborough Wastewater Asset Management Planning	\$236,172
61 *	HATFIELD	16808	Stormwater Asset Management Plan (Phase 1)	\$227,765
61	NEEDHAM (H)	16855	Needham Sanitary Sewer System Asset Mapping	\$249,345
59	BEDFORD	16784	Bedford Stormwater Asset Management Plan	\$250,000
59	WEST SPRINGFIELD	16826	Sewer SCADA Improvements	\$366,000
59	SWAMPSCOTT (H)	16747	Asset Management Planning	\$160,370
58 *	HATFIELD	16794	FY2025 Sewer AM Planning Project (CMOM Year 1)	\$226,405
58	HOOSAC WATER QUALITY DISTRICT	16797	WWTF AM Plan and Capital Improvements Plan	\$257,444
58	ATHOL	16844	Stormwater GIS Asset Management	\$178,000
58	SUDBURY (H)	16789	Sudbury Stormwater AMP	\$250,000
57	MEDFIELD (H)	16787	Medfield Sewer Collection AMP	\$250,000
56 *	LENOX	16792	FY2025 Sewer AM Planning Project (CMOM Year 2)	\$299,283
56	BEVERLY (H)	16865	Beverly Wastewater Infrastructure Asset Mgmt. Plan	\$260,000
55 *	GREAT BARRINGTON (H)	16795	FY2025 Sewer AM Planning Project (CMOM Year 4)	\$312,841
54	PLAINVILLE (H)	16781	Plainville Asset Management Plan	\$250,000
46 *	ORANGE	16788	FY2025 Sewer AM Planning Project (CMOM Year 1)	\$286,371
34	WESTWOOD	16807	Westwood Storm Water Master Plan	\$250,000
32	COHASSET	16870	Cohasset WWTP AMP	\$225,000

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**TOTAL OF ASSET MANAGEMENT PLANNING PROJECT** **\$11,804,205**

(Count: 49)

**TOTAL OF PROJECT PRIORITY LIST** **\$11,804,205**

\* - small systems



Commonwealth of Massachusetts  
Executive Office of Energy & Environmental Affairs

# Department of Environmental Protection

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Governor

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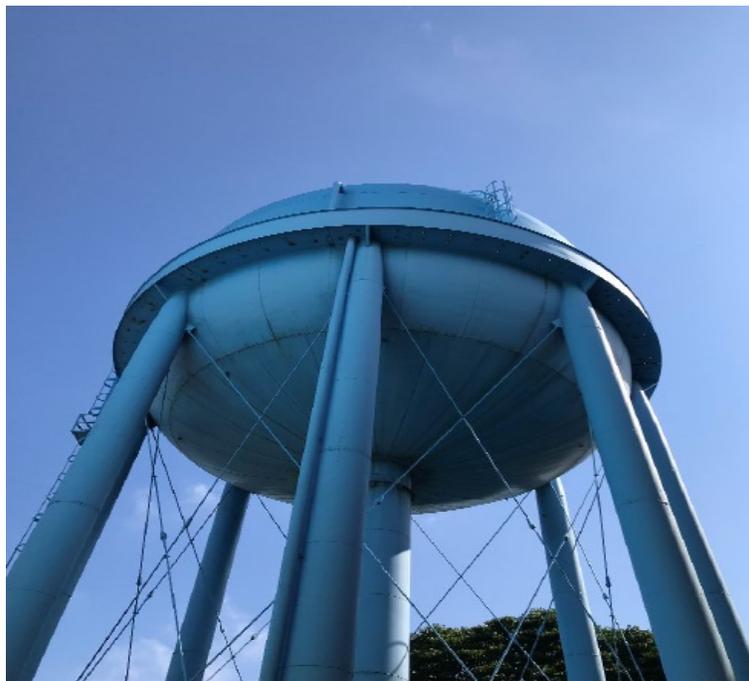
# **2024 DRAFT INTENDED USE PLAN**

## **For the**

# **DRINKING WATER STATE REVOLVING**

# **FUND**

## **December 27, 2023**



This information is available in alternate format. Please contact Melixza Esenyie at 617-626-1282 .  
TTY# MassRelay Service 1-800-439-2370  
MassDEP Website: [www.mass.gov/dep](http://www.mass.gov/dep)

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## EXECUTIVE SUMMARY

The Massachusetts Department of Environmental Protection (MassDEP) is pleased to present the Draft Calendar Year 2024 Intended Use Plan (IUP), which lists the projects, borrowers, grant recipients, and amounts that are proposed for financing through the Drinking Water State Revolving Fund (DWSRF) program. The DWSRF is a joint federal-state financing program that provides subsidized loans and grants to protect public health by improving water supply infrastructure systems and protect drinking water in the Commonwealth.

Massachusetts is proposing approximately \$477 million to finance drinking water projects across the Commonwealth. As noted in Table 1, approximately \$314 million is being offered to finance 27 new construction projects, and approximately \$113 million towards financing 19 previously approved multi-year projects. Additionally, \$5 million is allocated to the emergency set-aside account, \$25 million is set aside to finance new Lead Service Line (LSL) Replacement projects, \$10 million is set aside to fund an LSL planning grant program, and \$10 million is set aside to finance other planning projects and PFAS design costs. To encourage communities and Public Water Suppliers to engage in planning activities, MassDEP is accepting [planning loan applications](#) on a rolling basis while funding is available.

Massachusetts recognizes the value of Asset Management Planning (AMP) to the long-term demand for water infrastructure financing. AMPs help water utility managers make informed decisions regarding the timing and location for asset repairs, replacements, or rehabilitation. Also, AMPs help develop a long-term funding strategy. In this manner, the utility can ensure its ability to deliver the required level of service perpetually. Massachusetts is offering grants to communities interested in developing AMPs for one or more of their water utilities. In calendar year 2024, twenty AMP proposals, estimated at approximately \$3.5 million, as shown in Table 2, are being offered grants totaling approximately \$2 million. Communities will receive 60% of the project cost, up to \$150,000, as a grant from the Massachusetts Clean Water Trust . The remaining costs may be funded by local contributions of cash, or a combination of cash and in-kind services. All or part of the local contribution may be financed by a loan from the Trust at the standard 2% interest rate for a term of up to five years.

### 2024 Highlights

- On November 15, 2021, President Biden signed the Bipartisan Infrastructure Law (BIL) that provides three new federal grants through the DWSRF:
  1. Supplemental DWSR F Grant
  2. LSL Replacement Grant
  3. Emerging Contaminants Grant

These grants are being provided annually in 2022 and will continue through 2026. For Fiscal Year (FY) 2024, Massachusetts expects to receive \$49.3 million for the Supplemental DWSRF Grant, \$33.7 million for the LSL Replacement Grant, and \$16.4 million for the Emerging Contaminants Grant, focusing on PFAS. Each of these grants requires that

Massachusetts provide a portion of the funding as loan forgiveness. The Supplemental DWSRF Grant requires that \$24.2 million, or 49% of the total grant amount be provided as loan forgiveness to Disadvantaged Communities. The LSL Replacement Grant requires that \$16.5 million, or 49% of the total grant amount be provided as loan forgiveness to Disadvantaged Communities. The Emerging Contaminants Grant requires that the entire grant amount be provided as loan forgiveness with at least 25% of the loan forgiveness going to Disadvantaged Communities.

Using supplemental funds, Massachusetts anticipates being able to offer additional loan forgiveness for eligible projects on the 2024 IUP. The additional loan forgiveness is anticipated to be consistently applied to the IUPs covered under these new BIL federal grants subject to fund availability. Refer to Section A of this IUP for more details. MassDEP, in consultation with the Trust, may amend this IUP as necessary given that the United States Environmental Protection Agency (USEPA) continues to issue guidance to states on the implementation of the expanded SRF program. The increased capacity in the 2024 IUP is evidence of the additional BIL funds being utilized in Massachusetts. The SRF program looks forward to financing more projects at a lower cost to communities throughout Massachusetts.

Some of the key provisions of BIL include amendments to the Safe Drinking Water Act (DWSRF Program):

- **American Iron and Steel (AIS)** - BIL makes the American Iron and Steel (AIS) procurement requirement permanent for DWSRF construction projects going forward.
- **Build America, Buy America (BABA) Act** – BIL also expands domestic sourcing requirements with the inclusion of the BABA Act. Starting on **May 14, 2022**, all steel, iron, manufactured products, non-ferrous metals, plastic and polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables), glass (including optic glass), lumber, and drywall used in infrastructure projects for federal financial assistance programs must be produced in the United States, unless (i) the SRF borrower has requested and obtained a waiver from the EPA pertaining to the Project or the Project is otherwise covered by a general applicability waiver; or (ii) the MassDEP has otherwise advised the borrower in writing that the Build America, Buy America requirement is not applicable to the project. The Made in America Office at the Office of Management and Budget (OMB) has developed initial overarching implementation guidance: <https://www.whitehouse.gov/wp-content/uploads/2022/04/M-22-11.pdf>. Additionally, the USEPA issued an adjustment period waiver for projects that initiated planning design prior to May 14, 2022, a small project applicability waiver for projects with SRF loans of \$250,000 or less, and a De Minimis waiver: <https://www.epa.gov/cwsrf/build-america-buy-america-baba-approved-waivers>. The USEPA issued BABA Implementation Procedures for EPA Office of Water Federal Financial Assistance Programs which includes both CWSRF and DWSRF programs on November 3, 2022; for details visit the following web link: <https://www.epa.gov/system/files/documents/2022-11/OW-BABA-Implementation-Procedures-Final-November-2022.pdf>. Furthermore, on November 13, 2023, the USEPA issued the Amended Public Interest Waiver for SRF projects that initiated design prior to May 14, 2022, for details visit: <https://www.epa.gov/system/files/documents/2023-11/epa-amend->

[srf-design-planning-waiver.pdf](#) .

- BIL raised the minimum Safe Drinking Water Act requirement for Additional Subsidy to Disadvantaged Communities from 6% to 12%, establishing an additional subsidy range of 12% to 35% for the annual DWSRF Base Grant. While Congress requires that states use 14% of the annual DWSRF grant for additional subsidy, Massachusetts expects an award of \$10.6 million in 2024. Additional subsidy will be provided in the form of loan forgiveness for communities that might otherwise be unable to afford to undertake a project. MassDEP and the Trust will continue to provide loan forgiveness as a percentage of principal. Further details may be found in Section A of this IUP. Information about the Trust's Annual Affordability Calculation may be found on the following webpage: [https://www.mass.gov/info-details/the-disadvantaged-community-program#disadvantaged-community-designation-\(affordability-calculation\)-and-loan-forgiveness-distribution-](https://www.mass.gov/info-details/the-disadvantaged-community-program#disadvantaged-community-designation-(affordability-calculation)-and-loan-forgiveness-distribution-).
- To better address specific state priorities, Section 302 of the 1996 Safe Drinking Water Act Amendments, allows states the flexibility to move funds between the CWSRF and the Drinking Water State Revolving Fund (DWSRF) programs. Massachusetts will transfer funds from the CWSRF to the DWSRF program in the amount of \$3.5 million (33% of the 2024 DWSRF base grant amount of \$10.6 million). BIL allows states the flexibility to move funds between the CWSRF and the DWSRF programs. Massachusetts will transfer funds from the CWSRF supplemental grant in the amount of \$16.3 million representing 33% of the 2024 DWSRF supplemental grant amount of \$49.3 million. Due to great demand for PFAS mitigation in drinking water projects, Massachusetts will transfer \$5.2 million of the CWSRF Emerging Contaminant Grant funds to the DWSRF Emerging Contaminant program representing nearly 33% of the DWSRF Emerging Contaminant grant amount. Further details may be found in Section E of this IUP.
- The USEPA requires that 15% of total IUP assistance be directed toward small systems, those serving populations fewer than 10,000. Nine of the 2024 small system applicants are being offered financing in the 2024 IUP with projects totaling approximately \$91 million. Since financing for small systems exceeds 15% of \$477 million, or \$72 million, Massachusetts expects to meet this requirement.
- During the 2024 calendar year, PFAS remediation projects will continue to be eligible to receive additional subsidy in the form of 0% interest rate loans contingent on the availability of funds.
- **[LSL Planning Grant Program](#)** – Massachusetts is offering \$10 million in grants for planning activities that assist public water suppliers (PWS) to complete LSL inventories and to develop LSL replacement programs. MassDEP is accepting grant applications for LSL planning activities on a rolling basis. It is recommended that PWS apply as soon as possible as funding will be provided on a first come, first served basis.
- **[LSL Replacement Construction Projects](#)** – LSL replacement projects will be eligible to receive additional subsidy in the form of 0% interest rate loans contingent on the availability of funds. Using \$25 million of the LSL Replacement Grant, MassDEP is implementing a

and PWS serving Disadvantaged Communities or small systems. MassDEP will review applications on a monthly basis while funding is available.

- MassDEP is also offering additional loan forgiveness for projects with a renewable energy component regardless of Disadvantaged Community status.
- To encourage communities and public utilities to engage in planning activities, MassDEP is accepting planning loan applications on a rolling basis, while funding is available.

MassDEP appreciates the efforts that project proponents have invested in the development of applications and recognizes their efforts to enhance and protect the public health of the Commonwealth.

**TABLE 1**  
**DRINKING WATER STATE REVOLVING FUND**  
**Calendar Year 2024 DWSRF Draft Intended Use Plan**

**NEW PROJECTS**

Rating	Applicant	SRF ID	Project	Project Cost	2024 IUP Cost
536	DEDHAM-WESTWOOD WATER DISTRICT (RE)(EC)	16739	DWWD - White Lodge WTP PFAS Treatment	\$8,300,000	\$8,300,000
534	CHELMSFORD WATER DISTRICT (H)(EC)	16698	Chelmsford WD PFAS Treatment	\$43,000,000	\$15,000,000
531 *	GROTON (RE)(EC)#	16819	Groton Water System Expansion	\$12,801,200	\$12,801,200
531	SOMERSET (PF)	16842	Booster Pump Station & High Service Area Rehab	\$2,000,000	\$2,000,000
530	ATTLEBORO (PF)(EC)(BG)	16764	Wading River Water Treatment Plant	\$35,181,000	\$15,000,000
530	BARNSTABLE (H)(PF)(EC)(SG)	16849	Straightway & Hyannisport PFAS Treatment Facility	\$36,000,000	\$15,000,000
530	MANSFIELD (H)(EC)	16856	Dustin-Prescott PFAS Treatment and Wells	\$8,591,200	\$8,591,200
529	EASTON (H)(EC)	16722	Red Mill Road WTP PFAS Upgrade	\$4,000,000	\$4,000,000
528	WESTFORD (H)(EC)(SG)	16749	Forge Village&Nutting Road PFAS Treatment Upgrades	\$23,000,000	\$15,000,000
527	UXBRIDGE (PF)(EC)	16738	Blackstone Water Treatment Plant	\$14,900,000	\$14,900,000
526	AUBURN WATER DISTRICT (PF)(SG)	16699	Arsenic and PFAS Removal WTP for South Street Well	\$12,240,000	\$12,240,000
526	GRAFTON WATER DISTRICT (H)(EC)(BG)	16765	East St. and Worcester St. PFAS Treatment Upgrades	\$23,000,000	\$15,000,000
525	NEW BEDFORD (PF)(LR)	16863	Lead Service Line Replacement Program - Phase III	\$30,800,000	\$30,800,000
524	SHREWSBURY (H)(EC)	16836	Home Farm WTP PFAS Treatment Upgrades	\$18,500,000	\$15,000,000
524	MIDDLEBOROUGH (H)(PF)(EC)	16735	East Grove Street Water Treatment Plant	\$18,500,000	\$15,000,000
523	FRANKLIN (H)(RE)(EC)	16730	Franklin Hayward St. WTP Improvements	\$25,696,000	\$15,000,000
523 *	MILLIS (H)(PF)(EC)	16822	Village Street Water Treatment Plant PFAS Upgrades	\$7,093,100	\$7,093,100
522 *	LUNENBURG WATER DISTRICT (PF)(EC)	16845	Hickory Hills Water Filtration Plant	\$14,900,000	\$14,900,000
521	BELLINGHAM (H)(PF)(SG)	16813	PFAS Treatment at Hartford Avenue WTP	\$21,570,000	\$15,000,000
520 *	GROVELAND (PF)(EC)(SG)	16746	Wells 1, 3 & 4 Water Treatment Plant	\$22,314,900	\$15,000,000
520 *	PLAINVILLE (H)(BG)	16848	Turnpike Lake PFAS Water Treatment Plant	\$25,806,000	\$15,000,000
518 *	WEST BRIDGEWATER (PF)	16700	Cyr Street and Norman Avenue Fe/Mn Treatment	\$10,760,000	\$10,760,000
516 *	SOUTH GRAFTON WATER DISTRICT (H)(EC)	16825	PFAS Treatment Plant for Wells #2 and #3	\$4,200,000	\$4,200,000
516	STOUGHTON (H)(PF)(EC)	16843	Pratts Court WTP Improvements	\$4,415,000	\$4,415,000
513 *	AQUARION WATER COMPANY – DOVER (EC)	16840	Francis Street Treatment Facilities	\$8,155,000	\$8,155,000
512	EVERETT (H)(PF)(LR)	16793	Everett Lead Service Line Replacement Phase 4	\$2,381,000	\$2,381,000

444 * BONDSVILLE FIRE AND WATER DISTRICT (PF)#	16831 Bondsville Water Storage Tank Replacement	\$3,350,900	\$3,350,900
<b>TOTAL OF NEW PROJECTS</b>		<b>\$441,455,300</b>	<b>\$313,887,400</b>

(Count: 27)

(Average Rating: 521.44)

\* - Small System

(BG) - Base Capitalization Grant

(D) - Dropped by Applicant

(EC) - BIL DWSRF Emerging Contaminants Grant

(H) - Housing Choice Communities

(LR) - BIL DWSRF Lead Service Line Replacement Grant

(PF) - Disadvantaged Community

(RE) - Potential Renewable Energy Projects

(SG) - BIL DWSRF Supplemental Grant

# - Projects contains Energy Efficiency, Renewable Energy and/or meets EPA's definition of a Green Project

(<https://www.epa.gov/greeningepa/energy-and-emissions-epa>)

**MassDEP PRIORITY PROJECTS**

<b>Applicant</b>	<b>SRF ID</b>	<b>Project</b>	<b>Project Cost</b>	<b>2024 IUP Cost</b>
EMERGENCY SRF SET-ASIDE	2978		\$5,000,000	\$5,000,000
LEAD SERVICE LINE REPLACEMENT SRF SET-ASIDE	16595		\$35,000,000	\$35,000,000
PLANNING AND PFAS SRF SET-ASIDE	13574		\$10,000,000	\$10,000,000
<b>TOTAL OF MassDEP PRIORITY PROJECTS</b>			<b>\$50,000,000</b>	<b>\$50,000,000</b>

(Count: 3)

**MULTI-YEAR CARRYOVER AND STATUTORY PROJECTS**

<b>Applicant</b>	<b>SRF ID</b>	<b>Project</b>	<b>Project Cost</b>	<b>2024 IUP Cost</b>
AMHERST (BC)(PF)(H)#	7036	Centennial Water Treatment Plant Replacement	\$19,930,000	\$4,930,000
BRAINTREE #(RE)(PF)	7258	Tri-Town Regional Water Treatment Plant	\$55,212,683	\$10,000,000
CHATHAM	12457	Training Field Road PFAS Water Treatment Plant	\$19,800,000	\$4,800,000
EASTHAM	7047	Eastham Water System - Phase 2E	\$17,312,449	\$2,312,449
HOLBROOK #(RE)(PF)	7259	Tri-Town Regional Water Treatment Plant	\$19,904,296	\$3,200,000
LITTLETON (H)	12397	Water Supply Main Extension Littleton/Boxborough	\$19,078,000	\$4,078,000
LYNNFIELD CENTER WATER DISTRICT	7322	Glen Drive WTP & Station 2 Pipeline	\$20,400,000	\$5,400,000
MASSACHUSETTS WATER RESOURCES AUTHORITY	7331	CP-2 NEH Improvements	\$13,640,000	\$1,000,000
MASSACHUSETTS WATER RESOURCES AUTHORITY	7218	Section 23, 24, 47 Water Mains Rehab	\$26,843,000	\$3,000,000
MASSACHUSETTS WATER RESOURCES AUTHORITY	6691	Northern Intermediate High Section 89 Replacement	\$32,619,000	\$6,000,000
NEW BEDFORD	7172	Quittacas Water Treatment Plant Upgrades	\$27,732,677	\$2,732,677
RANDOLPH #(RE)(PF)	7260	Tri-Town Regional Water Treatment Plant	\$39,780,862	\$6,800,000
RAYNHAM CENTER WATER DISTRICT (PF)	11390	PFAS Water Treatment Plants	\$23,500,000	\$8,500,000
SCITUATE (H)	7348	Surface Water Treatment Plant	\$51,426,500	\$10,000,000
SHARON	12443	Wells 2 & 4 Water Treatment Plant	\$35,863,710	\$10,000,000
SPRINGFIELD WATER AND SEWER COMMISSION	12550	Replacement of Water Treatment Plant – Phase 2B	\$285,126,600	\$10,000,000
TOWNSEND	6964	PFAS Water Treatment Improvements	\$20,916,000	\$6,016,000
WEBSTER (PF)	10380	PFAS Water Treatment Plants	\$33,000,000	\$10,000,000
WOBURN	12538	Horn Pond Water Treatment Plant PFAS Removal	\$18,990,000	\$3,990,000
<b>TOTAL OF MULTI-YEAR CARRYOVER AND STATUTORY PROJECTS</b>			<b>\$781,075,777</b>	<b>\$112,759,126</b>

(Count: 19)

**TOTAL OF DRAFT INTENDED USE PLAN****\$1,272,531,077**      **\$476,646,526**

**TABLE 2**  
**DRINKING WATER STATE REVOLVING FUND**  
**Calendar Year 2024 DWSRF ASSET MANAGEMENT PLANNING PROJECTS**

**ASSET MANAGEMENT PLANNING PROJECTS**

Rating	Applicant	SRF ID	Project	Project Cost	Grant Amount	Loan Amount
91	WESTFIELD	16755	Water Asset Management Plan	\$250,000	\$150,000	
89	HOLYOKE	16672	Water Asset Management Plan	\$81,250	\$48,750	
89*	HADLEY	16858	Hadley Drinking Water Asset Management Plan	\$155,000	\$93,000	
84	HINGHAM (H)	16837	Water System Infrastructure Mapping	\$250,000	\$150,000	
82*	EGREMONT	16820	Egremont Drinking Water Asset Management Plan	\$100,000	\$60,000	
77	WILBRAHAM	16767	Wilbraham Drinking Water Asset Management Plan	\$250,000	\$150,000	
77	SOMERSET	16771	Somerset WTP Asset Management Plan	\$86,300	\$51,780	\$19,720
76*	FREETOWN	16841	Water System Infrastructure Mapping	\$205,400	\$123,240	
76	ORLEANS (H)	16766	Orleans Asset Management Plan Updates	\$60,000	\$36,000	
75*	WARREN WATER DISTRICT	16772	Warren Water District Drinking Water AMP	\$150,000	\$90,000	\$30,000
73	SALEM/BEVERLY WATER SUPPLY BOARD (H)	16721	Asset Management and Sustainability Master Plan	\$250,000	\$150,000	
70	BELMONT	16860	Asset Management Planning	\$109,625	\$65,775	
66	BREWSTER	16879	Brewster Water - Capital Improvement Program	\$327,066	\$150,000	
64*	LEE	16806	Drinking Water Asset Management Plan	\$199,299	\$119,579	
59*	ORANGE	16804	Water Asset Management Plan	\$182,525	\$109,515	
59	WEST SPRINGFIELD	16824	Water SCADA Improvements	\$298,800	\$150,000	\$148,800
58*	HATFIELD	16809	Water Asset Management Plan	\$171,287	\$102,772	
53*	BONDSVILLE FIRE AND WATER DISTRICT	16832	Bondsville Asset Management	\$56,735	\$34,041	
44*	DEERFIELD FIRE DISTRICT	16812	Asset Management Plan	\$76,440	\$45,864	
39	WESTON	16708	Weston Drinking Water Asset Management Plan	\$250,000	\$150,000	

**TOTAL OF ASSET MANAGEMENT PLANNING PROJECTS**

**\$3,509,727      \$2,030,316      \$198,520**

(Count: 20)

**TOTAL OF PROJECT PRIORITY LIST**

**\$3,509,727      \$2,030,316      \$198,520**

\* - small systems

## **I. BACKGROUND**

The Federal Safe Drinking Water Act Amendments of 1996 authorized the award of Capitalization Base Grants for states to create individual DWSRF loan programs. These programs provide state-administered subsidized loans to finance publicly and privately owned community water supply projects. Under the DWSRF program, states provide a 20% match to the federal Capitalization Base Grant to create the loan fund. Projects to be financed are selected using a priority ranking system based upon protection of public health and improved compliance together with affordability.

The DWSRF is jointly administered by MassDEP and the Trust. MassDEP manages the technical aspects of project development and implementation while the Trust manages the disbursement of funds and the sale of bonds to provide capital to the program.

Pursuant to the applicable provisions of the Federal Safe Drinking Water Act Amendments of 1996, Chapter 78 of the Acts of 1998, and 310 CMR 45.00, MassDEP has developed its Calendar Year 2024 Intended Use Plan/Project Priority List (IUP/PPL), with its attendant ranking of drinking water projects, as noted in Table 3. A project must appear on the PPL and the IUP Project Listing to receive financial assistance under the DWSRF Loan program.

This IUP includes \$477 million in financing and describes Massachusetts' intended uses for all funds available in the DWSRF program for calendar year 2024. It includes the projects that Massachusetts expects to provide financial assistance to and an overview of how the Commonwealth will comply with federally mandated requirements. To ensure communities continue to protect the health of our residents while maintaining low costs for consumers, the Commonwealth is pleased to offer subsidized financing to our water suppliers for projects in this IUP that remove PFAS from drinking water. In doing so, the Commonwealth reserves its rights to assert claims and causes of action to recover funds from third parties, including product manufacturers, otherwise responsible for the PFAS contamination impacting the Commonwealth's drinking water, groundwater, surface waters or environment in any manner.

This IUP contains 20 AMP projects, totaling \$3.5 million. These communities will receive 60% of the project cost, up to \$150,000, as a grant from the Trust, totaling \$2 million. The remaining project costs are to be funded by local contributions of cash and/or in-kind services. All or part of the local contribution may be financed by a loan from the Trust at the standard 2% interest rate with a term of up to five years.

All new projects receiving financial assistance from the DWSRF will be eligible for loans at 2% interest rate or, in certain instances, below 2%. The Commonwealth subsidizes these loans, funding the spread between market interest rates and the awarded loan interest rates. Certain priority projects, with the primary purpose of PFAS mitigation and LSL replacement may be eligible for 0% interest loans. A determination by MassDEP will be made as to the eligibility for 0% interest rate loans before the loan is permanently financed and put into repayment. The standard term for construction loans is 20 years.

To be considered for financing priority, communities must have appropriated the necessary local project funds or have committed to a schedule to obtain those funds by **June 30, 2024**.

Completed applications must be submitted to MassDEP at the earliest possible time, but not later than **October 11, 2024**. A complete application must contain the local debt authorization and the required supporting documentation. Any project not meeting these deadlines will be removed from the IUP Project Listing. A project on the IUP Project Listing may be bypassed if MassDEP determines that the project will not be ready to proceed during the financing period. Subject to availability of funds, project(s) bypassed may be replaced by the highest ranked priority project(s) on the PPL that are ready to proceed, or the funds may be used for cost increases to other projects approved previously. Following receipt of a complete loan application package, MassDEP must issue a Project Approval Certificate to the Trust no later than **December 31, 2024**, certifying the total costs of the project determined to be eligible for financial assistance. The Trust then proceeds to execute loan commitments.

All SRF related documents, including this IUP, the priority ranking system, loan application forms, regulations, and IUPs from the previous year, may be found on the MassDEP web site at: <https://www.mass.gov/state-revolving-fund-srf-loan-program>.

## **II. CALENDAR YEAR 2024 PROJECT FINANCING**

In calendar year 2024, MassDEP expects to finance 27 new construction projects and 19 carryover projects totaling approximately \$477 million. Included in this amount is a \$5 million emergency reserve to finance unanticipated problems of acute public health concern that may arise during the year, an additional \$10 million to finance planning projects and PFAS design costs, \$10 million to fund a LSL planning grant program, and \$25 million to finance LSL replacement projects. Table 1 is the list of projects recommended for financing for 2024 and Table 3 is the extended PPL. Tables 2 and 4 list the projects that have been selected to receive grants from the Trust for their AMP projects.

Massachusetts expects to be awarded \$10.6 million from the DWSRF Base Grant, plus a combined \$99.4 million in supplemental funds, from the United States Environmental Protection Agency (USEPA) to fund the DWSRF for 2024. Following are some of the more notable DWSRF program components and requirements:

### **A. Additional Subsidy**

Eligible construction projects for Disadvantaged Communities appearing on the 2024 IUP will receive additional subsidy, to the extent that funds are available, in the form of loan forgiveness based on the affordability tier system described below and provided as a set percentage based on the community's tier ranking. Massachusetts has established affordability criteria to identify Disadvantaged Communities, which drives the distribution of loan forgiveness. The assignment of communities to an affordability tier is based on an adjusted per capita income (APCI)

calculation. Tier rankings are calculated annually by comparing a community’s APCI as a percentage of the Commonwealth’s APCI. See the following table for the tier breakdown.

<b>Tier</b>	<b>Percent of State APCI</b>	<b>Minimum Loan Forgiveness</b>
1	80% or greater, but less than 100%	6.6%
2	60% or greater, but less than 80%	13.2%
3	Less than 60%	19.8%

For PFAS projects in Disadvantaged Communities appearing on the 2024 IUP, the loan forgiveness percentages will be set as listed below. The change in the loan forgiveness percentages is due to the increased demand for PFAS projects coupled with increasing costs associated with those projects. PFAS projects will continue to receive 0% interest rate loans, which equates to a 20% subsidy when compared to the SRF’s standard 2% interest rate loan.

<b>Tier</b>	<b>Percent of State APCI</b>	<b>Minimum Loan Forgiveness</b>
1	80% or greater, but less than 100%	3.3%
2	60% or greater, but less than 80%	6.6%
3	Less than 60%	9.9%

*BIL funding may increase the amount of loan forgiveness to Disadvantaged Communities beyond these standard offerings.*

For purposes of the BIL, Massachusetts is expanding the Trust’s existing three-tiered affordability based Disadvantaged Community program for the DWSRF to include “Environmentally Disadvantaged Community” designation for eligible projects, as determined by MassDEP, under the following criteria:

- An Environmentally Disadvantaged Community is a public water supplier that has lead in the water supply and/or lead service lines in the system.
- That designation as an Environmentally Disadvantaged Community for a particular year will confer eligibility for additional subsidy provided only with funds made available by the BIL for eligible projects on that year’s IUP that MassDEP has identified as mitigating the environmental factors detailed above. This designation will not confer eligibility for additional subsidy on any other projects by such Environmentally Disadvantaged Community.
- The definition and designation of Environmentally Disadvantaged Communities shall be retroactive to the effective date of the BIL thus MassDEP is amending the calendar years 2022 and 2023 DWSRF IUPs.
- An Environmentally Disadvantaged Community is not eligible to receive loan forgiveness through the Disadvantaged Community tiered designation described above in addition to the Environmental Disadvantaged Community designation.

Projects that have a renewable energy component will qualify as a Tier 1 community and receive loan forgiveness for the portion of the loan that is financing the renewable energy component.

*Loan forgiveness will be awarded to construction contracts that are executed by **June 30, 2024**, and may be limited to the lesser of the executed contracts or the IUP cost. Planning projects or PFAS design are not eligible for loan forgiveness.*

In addition to meeting the affordability criteria, under Chapter 259 of the Acts of 2014, *An Act Improving Drinking Water and Wastewater Infrastructure*, applicants for additional subsidy are required to:

- establish water enterprise funds (or equivalent separate restricted accounts); and,
- not have made any transfers from such enterprise fund in the last 5 years to fund the community's general operating budget.

## **B. Housing Choice Initiative**

Communities that have earned the [Housing Choice](#) designation at the time of the SRF project solicitation are eligible to have their loan's interest rate reduced by 0.5% (for example from 2% to 1.5% for a standard term loan). However, under no circumstance can the interest rate fall below 0%. For example, if a community qualifies for a 0% interest loan for a PFAS mitigation project, it cannot receive an added discount through the Housing Choice designation. Housing Choice initiative communities must also certify to the enterprise fund requirements noted above.

## **C. Applicant Cap**

The Massachusetts SRF regulations (310 CMR 45) place a limit on any one proponent receiving any more than 25% of the available financing each year. Because of the shortfall of available funds relative to the number of worthwhile projects, and to extend financial assistance to as many highly ranked projects as possible, MassDEP is implementing an applicant cap of \$15 million for the 2024 financing period. MassDEP reserves the right to waive the applicant cap limitation if MassDEP and the Trust determines that one or more projects on the IUP Project Listing are not ready to proceed. If the applicant cap is waived, communities may see an increase in financing for projects not fully financed on the IUP listing.

## **D. Small Systems**

Congress requires that 15% of the total amount of DWSRF funds be dedicated to Small Systems, i.e., drinking water systems serving fewer than 10,000 customers. The total DWSRF funds expected to be available for 2024 is \$477 million. Fifteen percent of that amount is \$72 million. The IUP list contains 9 small system projects totaling approximately \$91 million, which exceeds the 15% requirement. Therefore, Massachusetts expects to meet this requirement.

## **E. Set-Aside Activities**

Congress allows states to apply set-asides from the DWSRF Capitalization and BIL Supplemental DWSRF grants, to provide management of the program and technical assistance to PWS. MassDEP's objectives for DWSRF set-aside activities are included as Appendix A. For FY 2024, these set-aside activities include funds that will be earmarked for issues involving small water supply systems, local assistance for wellhead protection, capacity implementation, and program management and administration. Appendix A details how MassDEP intends to utilize these set-aside funds in FY 2024 to implement the federal Safe Drinking Water Act.

## **III. SHORT- AND LONG-TERM GOALS**

The following are the goals that Massachusetts has set for its DWSRF:

### **Short-Term Goals**

- Solicit projects and prioritize projects that assist the Commonwealth in maximizing the utilization of BIL grant funds.
- Increase flexibility for proactive planning with a rolling application process for planning projects.
- Assist PWS with complying with the Lead and Copper Rule Revisions with a program to fund the development of materials inventories and finance LSL replacement projects.
- To safeguard public health, prioritize and incentivize projects that remediate PFAS or lead in drinking water.
- Finance eligible projects addressing unanticipated problems of acute public health concern that arise during the year and constitute an imminent public health threat.
- Implement assistance programs for small and very small private PWS that may need additional assistance with complying with the requirements of the Safe Drinking Water Act.
- Provide targeted outreach and engage with communities across the Commonwealth about SRF program benefits, priorities, and opportunities to improve water quality, reduce project costs, and enhance resiliency.

### **Long-Term Goals**

- Efficiently allocate and distribute BIL funds.
- Identify and prioritize additional subsidy for projects in the IUP that serve Disadvantaged Communities.
- Provide and promote assistance to PWS with complying with Lead and Copper Rule Revisions requirements by providing incentives made available through BIL funds.
- Ensure that water treatment projects financed through the SRF fully consider cost-effective energy efficiency measures and/or renewable energy strategies.
- Assist public water suppliers to finance projects to address the impact of climate change and resiliency concerns on the safe and continuous operation of the utility. Through its

[Hazard Mitigation and Climate Adaptation Plan](#), the Commonwealth is encouraging resiliency and climate adaptation in the design and construction of water infrastructure.

- Promote systematic Asset Management Planning for drinking water utilities to achieve long-term sustainability, implementable climate change mitigation and resiliency measures, and deliver consistent service in a cost-efficient manner.
- Ensure that small PWS can participate in the SRF program by providing additional assistance.
- Promote public engagement and program transparency by publishing informative and readily accessible program materials and reports.

## **IV. ALLOCATION OF FUNDS**

### **A. Criteria and Method for Distribution of Funds**

Massachusetts rates projects using the Commonwealth's priority ranking system. The criteria used to rank potential projects can be found on the MassDEP website at <http://www.mass.gov/eea/agencies/massdep/water/grants/state-revolving-fund.html>. The ranking system is reviewed annually to reflect changing priorities at MassDEP. The criteria emphasize the nature of the public health problem that the project will address compliance with the Safe Drinking Water Act, project affordability, the extent to which the project is consistent with regional or watershed wide plans, and the extent to which the project qualifies as a Green Project. a Green Projects are those that minimize greenhouse gas emissions and energy use.

Once all project proposals have been rated and ranked, the PPL is developed (Table 3). With input from the Trust, MassDEP identifies all the sources of funds and spending limits and develops the IUP Project Listing as shown in Table 1.

To be considered for financing, projects must meet state and federal eligibility requirements, must be ready to proceed during the financing period, must have appropriated local funds necessary to finance the entire project, and have a MassDEP approved planning element. An approvable planning element can be a Project Evaluation Report, Integrated Water Resource Management Plan, or other MassDEP sanctioned planning document. Projects proposing to replace LSLs must ensure that lines will be replaced to the users' meters to preserve priority ranking. Furthermore, no community can receive financial assistance unless it can demonstrate that it has adequate technical, financial, and managerial capacity, as approved by MassDEP. Eligibility includes consistency with the assurances described in this document and the requirements contained within MassDEP's financial assistance regulations.

### **B. Project Bypass Procedure**

A project on the IUP Project Listing may be bypassed if MassDEP determines that the bypassed project will not be ready to proceed during the financing period. Project(s) bypassed may be

replaced by the highest ranked priority project(s) on the PPL that are ready to proceed, or the funds may be used to provide emergency financing, or for project cost increases to other projects approved previously. Replacement projects or project funding increases are subject to availability of funds. If complete loan applications are not received by MassDEP by **October 11, 2024**, the project will be automatically considered for bypassing.

The Trust and MassDEP will not add projects to the PPL/IUP beyond those that may qualify for emergency assistance, planning, PFAS design, or LSL replacement projects. MassDEP, considering any material program change that would require amendments to this IUP, will provide public notice and an appropriate comment period before issuing an amended IUP.

### **C. Types of Projects to be Financed and Financing Rates**

For an eligible borrower or grant recipient's drinking water project to receive financial assistance from the Trust, the project must meet eligibility guidelines. Such eligible projects include, but are not limited to:

- Projects to address or prevent violation of public health standards, including projects to come into or maintain compliance.
- Projects to replace aging infrastructure, if such projects are needed to maintain compliance or further public health goals and requirements, including projects to rehabilitate or develop sources to replace contaminated sources, install or upgrade treatment or storage facilities, and install or replace transmission and distribution pipes to prevent contamination or improve water pressure to safe levels.
- Projects to consolidate and/or restructure a public water system.
- The planning or design for any project in one of the categories identified above.

Costs of construction that MassDEP determines as being necessary for the completion of the project are eligible for financing in the loan and to receive a subsidy under the loan, subject to the applicant cap. Costs for planning projects are eligible for financing during the 2024 financing period. Although costs for design are eligible under SRF regulations, only PFAS design will be financed during this funding period due to the high demand for construction financing. MassDEP may limit the SRF loan for PFAS design to 10% of the total estimated cost of the construction project. PFAS mitigation construction projects on this IUP and the 2022 and 2023 IUPs are eligible to finance design costs (PFAS design is a line item of the construction loan application).

All projects on the IUP are eligible for 2% interest rate loans. Certain projects that are primarily for PFAS mitigation or LSL replacements are eligible for 0% interest loans. A determination will be made as to the eligibility for 0% interest loans before loans are permanently financed and put into repayment.

## **V. FINANCIAL MANAGEMENT**

### **A. Source of State Match**

Based on the anticipated 2024 DWSRF Base Grant of \$10.6 million from USEPA, the required 20% state match equals \$2.1 million. In addition, it is estimated that for 2024, Massachusetts will receive \$49.3 million for the BIL Supplemental DWSRF Grant. The required 20% state match equals \$9.87 million. These state match funds are provided to the Trust from the Commonwealth's Capital Plan.

### **B. Fee Income**

Recipients of SRF loans are charged an annual administrative fee of 0.15% (15 basis points) against the outstanding loan principal to fund salaries and expenses of the Trust and MassDEP related to SRF project development and loan management. As of November 28, 2023, the Trust has a balance approximately \$48.2 million in its Administrative Account. Additionally, the Trust may charge an amount not to exceed \$5.50 per \$1,000 as a loan origination fee to offset the costs incurred during its bond issuances. The Trust's Administrative Account is expected to fund the 10% state management set-aside for both the DWSRF Base Grant and the DWSRF Supplemental Grant. Use of those funds is detailed in the attached Set-Aside plan in Appendix A.

### **C. Program Administration**

The Commonwealth intends to use the full 4% of the federal Base and BIL Supplemental Grant funds for administrative support of activities related to the DWSRF. Use of those funds is detailed in the DWSRF Grant Application that the Trust files each year with the USEPA and in the attached Set-Aside plan in Appendix A.

### **D. Anticipated Cash Draw Ratio**

Massachusetts will draw 100% of the state match funds before drawing federal grant funds.

### **E. Transfer of Funds Between CWSRF and DWSRF**

Section 302 of the 1996 Safe Drinking Water Act Amendments allows states the flexibility to move funds between the Clean and the Drinking Water SRF programs, to better address specific state priorities. The USEPA allows an equivalent of up to 33% of the DWSRF Base grant to be transferred between the CWSRF and DWSRF Base Grant.

The CWSRF IUP capacity frequently allows Massachusetts to finance all the priority projects each year accounting for about two thirds of the proposed construction projects. Generally, over half of requested DWSRF construction projects go unfinanced. The level of federal grant funding of the DWSRF is insufficient to meet the need for project financing. Transferring a limited amount of funds from the CWSRF to the DWSRF this year and in the future will help increase the overall capacity of the DWSRF and reduce the number of unfinanced projects with minimal impacts to the CWSRF IUP. Massachusetts is expected to transfer funds from

the CWSRF to the DWSRF program in the amount of \$3.5 million (33% of the 2024 DWSRF Base Grant amount of \$10.6 million). BIL allows states the flexibility to move funds between the CWSRF and DWSRF programs. Massachusetts will transfer funds from the CWSRF Supplemental Grant in the amount of \$16.3 million representing 33% of the 2024 DWSRF supplemental grant amount of \$49.3 million. Due to great demand for PFAS remediation in drinking water projects, Massachusetts is expected to transfer \$5.2 million of CWSRF Emerging Contaminant supplemental funds to the DWSRF Emerging Contaminant program (nearly 33% of the DWSRF Emerging Contaminant grant amount). This transfer will not adversely impact the CWSRF project financing in the CWSRF IUP. Furthermore, Massachusetts reserves authority of future transfers of Supplemental BIL funds

## **F. Estimated Sources and Uses**

The sources of funds available to the Massachusetts DWSRF include the federal Base Grant, the federal Supplemental BIL grants, state match, and borrower loan repayments. The Trust may leverage these funds up to three times. Under this authority, the Trust will offer to finance approximately \$477 million of DWSRF eligible projects.

## **G. Additional Subsidy and the Disadvantaged Communities Program**

As is required in federal law applicable to the 2024 DWSRF Base Grant, 26% of the grant amount shall be provided as additional subsidy, but no more than 35%, to Disadvantaged Communities, provided eligible applicants exist. In the 2024 DWSRF IUP, Massachusetts intends to award a minimum of \$2.8 million of the Base Grant in additional subsidy to eligible projects. In addition, Massachusetts expects to receive \$49.3 million for the BIL Supplemental DWSRF Grant, \$33.7 million for the LSL Replacement Grant, and \$16.4 million for the Emerging Contaminants Grant, focusing on PFAS. Each of these grants requires that Massachusetts provide a portion of the funding as loan forgiveness. The Supplemental DWSRF Grant requires that \$24.2 million, or 49% of the total grant, be provided as loan forgiveness to Disadvantaged Communities. The LSL Replacement Grant requires that \$16.4 million, or 49% of the total grant, be provided as loan forgiveness to Environmentally Disadvantaged Communities (Environmentally Disadvantaged Communities is defined in Section II.A). The Emerging Contaminants Grant requires that the full amount of the grant, \$16.4 million be provided as loan forgiveness and that at least 25% of the grant be provided to Disadvantaged Communities.

# **VI. Program Management**

## **A. Assurances and Special Conditions**

MassDEP and the Trust have provided the required assurances and certifications as part of the Operating Agreement (OA) between Massachusetts and the USEPA. The OA describes the mutual obligations among USEPA, MassDEP, and the Trust. The purpose of the OA is to provide a framework of procedures to be followed in the management and administration of the DWSRF.

Title XIV of the Federal Safe Drinking Water Act Amendments of 1996 and subsequent regulations and guidance require that the Commonwealth certify compliance with or acceptance of a number of conditions. These include compliance with the applicable provisions of s. 1452, State Revolving Loan Fund, as follows:

- Environmental Reviews: DWSRF borrowers are required to meet the standards of the National Environmental Policy Act (NEPA) or a state equivalent. Some projects, owing to their relatively minor environmental impacts, if any, do not trip the threshold of the Massachusetts Environmental Policy Act (MEPA) and are therefore not subject to the rigorous environmental review process set forth in MEPA. The Commonwealth reasons that these projects are categorically exempt from the NEPA review process as well. A planning level review of each of the eligible projects concludes that since these projects almost uniformly are the upgrade or rehabilitation of existing infrastructure, most will not usually require MEPA review. A final determination of project relevancy under MEPA cannot be made until the preliminary design phase of work is complete on each project.
- Binding Commitments: The DWSRF will enter binding commitments for 120 percent of each quarterly grant payment within one year of receipt of the payment.
- Expeditious and Timely Expenditures: The DWSRF will expend all funds in the DWSRF in a timely manner.
- Set-Aside Programs. The Commonwealth will conduct set-aside activities consistent with the plan provided as Appendix A to this document.

## **B. Federal Requirements**

A number of federal requirements apply to DWSRF projects in an amount equal to the Base Grant and BIL grants including:

- Single Audit Act (2 CFR 200 Subpart F)
- Federal Funding Accountability and Transparency Act (FFATA) reporting
- Disadvantaged Business Enterprise compliance (all projects)
- Federal environmental crosscutters (all projects)
- Federal Flood Risk Management Standard (FFRMS) to comply with Executive Order [\(EO\) 14030](#) that reinstated EO 13690
- Project signage to enhance the public awareness ([Investing in America Signage](#))
- Ineligible Costs: any costs that are prohibited including but not limited to: 2 CFR 200.216, Prohibition on Certain Telecommunications and Video Surveillance Services or Equipment.

MassDEP and the Trust will identify the group of projects that must comply with these requirements in the USEPA grant applications. Frequently, the group of projects changes as projects move towards construction, usually due to attrition. If changes are made to the group of projects, appropriate amendments to the grant application will be made.

In addition, the Safe Drinking Water Act requires that states meet specific mandates or risk losing a portion of their federal grant. Failure to implement a Capacity Development Program and/or Operator Certification Program that are at least as stringent as the federal guidelines

will result in a state losing up to 20% of their Base Grant each year. MassDEP will comply with the capacity development authority, capacity development strategy, and operator certification program provisions.

### **C. Davis-Bacon Wage Rates**

The USEPA's appropriation bill requires the application of Davis-Bacon prevailing wage rates to all drinking water projects funded in whole or in part by the DWSRF. MassDEP ensures that the required Davis-Bacon language is included in contracts and conducts field verifications of project compliance with the wage rate requirements.

### **D. American Iron and Steel and the Build America, Buy America Act**

On November 15, 2021, the Bipartisan Infrastructure Law made the AIS procurement requirements permanent for *all* DWSRF construction projects going forward. Furthermore, BIL extends this procurement requirement to DWSRF construction projects going forward with the inclusion of the **Build America, Buy America Act (BABA)**. Starting on May 14, 2022, all steel, iron, manufactured products, non-ferrous metals, plastic and polymer-based products (including polyvinylchloride, composite building materials, and polymers used in fiber optic cables), glass (including optic glass), lumber, and drywall used in infrastructure projects for federal financial assistance programs must be produced in the United States, unless (i) the SRF borrower has requested and obtained a waiver from the EPA pertaining to the Project or the Project is otherwise covered by a general applicability waiver; or (ii) the Department has otherwise advised the borrower in writing that the BABA requirement is not applicable to the project. MassDEP ensures that the required procurement language is included in contracts and conducts field verifications of project compliance. Appropriate AIS and BABA language has also been included in the Project Regulatory Agreement and the Financing Agreement.

### **E. Audits and Reporting**

MassDEP and the Trust will comply with all the auditing and reporting requirements of the USEPA. A single audit is conducted annually and reporting to the USEPA is done through the Office of Water State Revolving Fund (OWSRF) data system, Annual Report, and FFATA reporting.

## **VII. Public Review and Comment**

Notice of the availability of the Draft Calendar Year 2024 IUP/PPL will be made on December 27, 2023. MassDEP will hold a public hearing on the Draft IUP virtually on January 31, 2024. Records of the testimony received will be maintained in MassDEP's files. MassDEP will take into consideration the testimony received to finalize this IUP.

**TABLE 3  
DRINKING WATER STATE REVOLVING FUND  
Calendar Year 2024 DWSRF Project Priority List**

**NEW PROJECTS**

Rating	Applicant	PWSID	Pop.	SRF ID	Project	Project Cost
543	SCITUATE (H)(D)	4264000	19760	16714	Surface Water Treatment Plant	\$0
536	DEDHAM-WESTWOOD WATER DISTRICT (RE)(EC)	3073000	41630	16739	DWWD - White Lodge WTP PFAS Treatment	\$8,300,000
534	CHELMSFORD WATER DISTRICT (H)(EC)	3056000	28750	16698	Chelmsford WD PFAS Treatment	\$43,000,000
531 *	GROTON (RE)(EC)#	2115000	5229	16819	Groton Water System Expansion	\$12,801,200
531	SOMERSET (PF)	4273000	18303	16842	Booster Pump Station & High Service Area Rehab	\$2,000,000
531	FOXBOROUGH (D)	4099000	18618	16866	Chestnut Street WTP Improvements	\$0
530	BARNSTABLE (H)(PF)(EC)(SG)	4020004	35000	16849	Straightway & Hyannisport PFAS Treatment Facility	\$36,000,000
530	MANSFIELD (H)(EC)	4167000	23783	16856	Dustin-Prescott PFAS Treatment and Wells	\$8,591,200
530	ATTLEBORO (PF)(EC)(BG)	4016000	46461	16764	Wading River Water Treatment Plant	\$35,181,000
529	EASTON (H)(EC)	4088000	23112	16722	Red Mill Road WTP PFAS Upgrade	\$4,000,000
528	WESTFORD (H)(EC)(SG)	3330000	18112	16749	Forge Village&Nutting Road PFAS Treatment Upgrades	\$23,000,000
528	ABINGTON-ROCKLAND JOINT WATER WORKS (PF)(EC)(D)	4001000	34952	16867	Hannigan and Myers Avenue WTP PFAS Treatment	\$0
527	UXBRIDGE (PF)(EC)	2304000	11254	16738	Blackstone Water Treatment Plant	\$14,900,000
526	AUBURN WATER DISTRICT (PF)(SG)	2017000	11763	16699	Arsenic and PFAS Removal WTP for South Street Well	\$12,240,000
526	GRAFTON WATER DISTRICT (H)(EC)(BG)	2110000	10925	16765	East St. and Worcester St. PFAS Treatment Upgrades	\$23,000,000
525	NEW BEDFORD (PF)(LR)	4201000	101079	16863	Lead Service Line Replacement Program - Phase III	\$30,800,000
525 *	EAST BROOKFIELD (PF)(D)	2084000	1526	16861	West Street Fe and Mn WTP	\$0
524	SHREWSBURY (H)(EC)	2271000	38325	16836	Home Farm WTP PFAS Treatment Upgrades	\$18,500,000
524	MIDDLEBOROUGH (H)(PF)(EC)	4182000	16900	16735	East Grove Street Water Treatment Plant	\$18,500,000
523	FRANKLIN (H)(RE)(EC)	2101000	33723	16730	Franklin Hayward St. WTP Improvements	\$25,696,000
523 *	MILLIS (H)(PF)(EC)	2187000	8729	16822	Village Street Water Treatment Plant PFAS Upgrades	\$7,093,100
522 *	LUNENBURG WATER DISTRICT (PF)(EC)	2162000	7145	16845	Hickory Hills Water Filtration Plant	\$14,900,000
521	BELLINGHAM (H)(PF)(SG)	2025000	16628	16813	PFAS Treatment at Hartford Avenue WTP	\$21,570,000
520 *	PLAINVILLE (H)(BG)	4238000	8894	16848	Turnpike Lake PFAS Water Treatment Plant	\$25,806,000

520 *	GROVELAND (PF)(EC)(SG)	3116000	6326	16746	Wells 1, 3 & 4 Water Treatment Plant	\$22,314,900
518 *	WEST BRIDGEWATER (PF)	4322000	7668	16700	Cyr Street and Norman Avenue Fe/Mn Treatment	\$10,760,000
516	STOUGHTON (H)(PF)(EC)	4285000	29281	16843	Pratts Court WTP Improvements	\$4,415,000
516 *	SOUTH GRAFTON WATER DISTRICT (H)(EC)	2110001	3242	16825	PFAS Treatment Plant for Wells #2 and #3	\$4,200,000
513 *	AQUARION WATER COMPANY – DOVER (EC)	3078006	1815	16840	Francis Street Treatment Facilities	\$8,155,000
512	EVERETT (H)(PF)(LR)	3093000	49075	16793	Everett Lead Service Line Replacement Phase 4	\$2,381,000
456	BROCKTON (H)(PF)	4044000	105643	16741	Aquaria Desalination Plant	\$57,000,000
453	FITCHBURG (PF)	2097000	41946	16859	Meetinghouse Gatehouse Rehabilitation	\$4,440,000
444 *	BONDVILLE FIRE AND WATER DISTRICT (PF)#	1227002	1429	16831	Bondsville Water Storage Tank Replacement	\$3,350,900
441	NEW BEDFORD (PF)	4201000	101079	16869	Highway Bridge Crossing Replacement Project	\$6,300,000
437	LOWELL (H)(PF)	3160000	115554	16713	Finished Water Redundancy & Electrical Upgrades	\$16,460,000
430	IPSWICH	3144000	13809	16680	Ipswich Water Treatment Plant	\$26,000,000
430 *	HADLEY (PF)(RE)	1117002	4980	16734	Mount Warner Well Rehabilitation	\$11,240,000
429	NEWBURYPORT (H)	3206000	20335	16681	Newburyport PFAS Treatment System	\$19,795,700
429	MATTAPOISETT RIVER VALLEY WATER DISTRICT	4173001	29600	16692	MRVWD Water Treatment Plant Upgrades	\$5,005,000
425	NEWBURYPORT (H)	3206000	20335	16814	Indian Hill Pump Station and Raw Water Main	\$29,530,000
425 *	PINE VALLEY PLANTATION	1024002	600	16830	Pine Valley Plantation Water System Replacement	\$6,014,514
425 *	THREE RIVERS FIRE DISTRICT (PF)#	1227003	3258	16707	Water Storage Tanks Mitigation and Restoration	\$1,980,000
425	NORTHAMPTON (H)(PF)#	1214000	29571	16701	FPR Dam and WWR Dam Rehabilitation Project	\$6,603,091
423	DUXBURY	4082000	16445	16815	Depot and Tremont Water Treatment Facility	\$30,292,380
423	OAK BLUFFS (PF)	4221000	24000	16679	Well Station 1 Treatment Upgrades	\$5,800,000
418 *	TOPSFIELD #	3298000	5435	16719	Boston Street Tank Replacement	\$3,000,000
417 *	AYER (H)(PF)	2019000	8479	16682	Grove Pond WTP PFAS Treatment System Improvements	\$2,495,000
416 *	LINCOLN (H)	3157000	5593	16685	Bedford Road & Lincoln Road Water Main Replacement	\$9,056,250
415	NORWOOD (PF)#	4220000	28284	16783	Bellevue Water Tanks Replacement	\$13,976,950
409 *	MANCHESTER-BY-THE-SEA	3166000	5261	16881	Plum Hill MBTS	\$3,324,138
316	BARNSTABLE (H)(PF)	4020004	35000	16757	Longview Drive Area Pipe Replacement Project	\$4,475,000
309	WHITMAN (PF)	4338000	14471	16675	Water Main Improvements	\$3,715,250
308 *	WEST BROOKFIELD (PF)	2323000	2477	16838	Leland Road Pump Station Upgrade	\$6,240,000

241	MASSACHUSETTS WATER RESOURCES AUTHORITY	6000000	2550000	16817	CP-1 Section 53 Connection Construction	\$63,255,500
236	BROCKTON (H)(PF)	4044000	105643	16744	Water Transmission Main Replacement-Phase 2	\$11,300,000
234	FALL RIVER (PF)	4095000	94000	16750	Fluoridation Replacement & Instrumentation Upgrade	\$1,109,100
228	FALL RIVER (PF)	4095000	94000	16723	2024 Water Main Replacement	\$4,287,335
222	BILLERICA (H)(PF)#	3031000	42119	16686	Crosby Hill Storage Tank Replacement	\$7,061,400
222	FRANKLIN (H)	2110000	10925	16731	Hillside Tanks No. 1 and No. 2 Replacement	\$8,019,000
221	SCITUATE (H)	4264000	19760	16684	Dolan Wellfield and Raw Water Main Construction	\$10,868,660
220	HOLYOKE (PF)	1137000	40124	16673	Phase 3A Elm Street Area Water Replacement Project	\$3,200,000
219 *	AQUARION WATER COMPANY - MILLBURY (H)(PF)	2186000	9553	16827	Jacques Wells Water Treatment Facility	\$7,775,000
219	WRENTHAM (H)	4350000	10889	16770	Phase I Water System Improvements	\$4,749,000
216 *	COHASSET	4065000	7554	16852	Water Treatment Plant Residuals Management	\$2,823,000
215 *	PEPPERELL (PF)	2232000	8800	16740	PFAS Plan for Pepperell, MA	\$23,000,000
214	HAVERHILL (PF)	3128000	60174	16768	Locke Street Area Water Main Replacement - Phase 2	\$9,914,000
212	MIDDLEBOROUGH (H)(PF)	4182000	16900	16878	Water Main Replacement including Lead Services	\$5,930,000
212 *	AVON (PF)	4018000	4777	16818	East Main Street and Glendower WM Project	\$3,103,000
212	BILLERICA (H)(PF)	3031000	42119	16821	Phase 1 Water Main Replacement	\$8,880,300

**TOTAL OF NEW PROJECTS**

**\$889,473,868**

(Count: 69)

(Average Rating: 417.51)

\* - Small System

(BG) - Base Capitalization Grant

(D) - Dropped by Applicant

(EC) - BIL DWSRF Emerging Contaminants Grant

(H) - Housing Choice Communities

(LR) - BIL DWSRF Lead Service Line Replacement Grant

(PF) - Disadvantaged Community

(RE) - Potential Renewable Energy Projects

(SG) - BIL DWSRF Supplemental Grant

# - Projects contains Energy Efficiency, Renewable Energy and/or meets EPA's definition of a Green Project (<https://www.epa.gov/greeningepa/energy-and-emissions-epa>)

**MassDEP PRIORITY PROJECTS**

Applicant	SRF ID	Project	Project Cost
EMERGENCY SRF SET-ASIDE	2978		\$5,000,000
LEAD SERVICE LINE REPLACEMENT SRF SET-ASIDE	16595		\$35,000,000
PLANNING AND PFAS SRF SET-ASIDE	13574		\$10,000,000
<b>TOTAL OF MassDEP PRIORITY PROJECTS</b>			<b>\$50,000,000</b>

(Count: 3)

**MULTI-YEAR CARRYOVER AND STATUTORY PROJECTS**

Applicant	PWSID	Pop.	SRF ID	Project	Project Cost
AMHERST (BC)(PF)(H)#	1008000	37819	7036	Centennial Water Treatment Plant Replacement	\$19,930,000
BRAINTREE #(RE)(PF)	4040002	25	7258	Tri-Town Regional Water Treatment Plant	\$55,212,683
CHATHAM	4055000	30000	12457	Training Field Road PFAS Water Treatment Plant	\$19,800,000
EASTHAM	4086095	4904	7047	Eastham Water System - Phase 2E	\$17,312,449
HOLBROOK #(RE)(PF)	4040002	25	7259	Tri-Town Regional Water Treatment Plant	\$19,904,296
LITTLETON (H)	2158000	9561	12397	Water Supply Main Extension Littleton/Boxborough	\$19,078,000
LYNNFIELD CENTER WATER DISTRICT	3164000	8263	7322	Glen Drive WTP & Station 2 Pipeline	\$20,400,000
MASSACHUSETTS WATER RESOURCES AUTHORITY	6000000	2550000	7331	CP-2 NEH Improvements	\$13,640,000
MASSACHUSETTS WATER RESOURCES AUTHORITY	6000000	2550000	7218	Section 23, 24, 47 Water Mains Rehab	\$26,843,000
MASSACHUSETTS WATER RESOURCES AUTHORITY	6000000	2550000	6691	Northern Intermediate High Section 89 Replacement	\$32,619,000
NEW BEDFORD	4201000	95072	7172	Quittacas Water Treatment Plant Upgrades	\$27,732,677
RANDOLPH #(RE)(PF)	4040002	25	7260	Tri-Town Regional Water Treatment Plant	\$39,780,862
RAYNHAM CENTER WATER DISTRICT (PF)	4245000		11390	PFAS Water Treatment Plants	\$23,500,000
SCITUATE (H)	4264000	19760	7348	Surface Water Treatment Plant	\$51,426,500
SHARON	4266000	16262	12443	Wells 2 & 4 Water Treatment Plant	\$35,863,710
SPRINGFIELD WATER AND SEWER COMMISSION	1281000	170211	12550	Replacement of Water Treatment Plant – Phase 2B	\$285,126,600
TOWNSEND	2299000	6500	6964	PFAS Water Treatment Improvements	\$20,916,000
WEBSTER (PF)	2316000	17776	10380	PFAS Water Treatment Plants	\$33,000,000
WOBURN	3347000	40876	12538	Horn Pond Water Treatment Plant PFAS Removal	\$18,990,000
<b>TOTAL OF MULTI-YEAR CARRYOVER AND STATUTORY PROJECTS</b>					<b>\$781,075,777</b>

(Count: 19)

**TOTAL OF PROJECT PRIORITY LIST****\$1,720,549,645**

**TABLE 4**  
**DRINKING WATER STATE REVOLVING FUND**  
**Calendar Year 2024 DWSRF ASSET MANAGEMENT PLANNING PROJECTS**

**ASSET MANAGEMENT PLANNING PROJECTS**

Rating	Applicant	SRF ID	Project	Project Cost
91	WESTFIELD	16755	Water Asset Management Plan	\$250,000
89	HOLYOKE	16672	Water Asset Management Plan	\$81,250
89 *	HADLEY	16858	Hadley Drinking Water Asset Management Plan	\$155,000
84	HINGHAM (H)	16837	Water System Infrastructure Mapping	\$250,000
82 *	EGREMONT	16820	Egremont Drinking Water Asset Management Plan	\$100,000
77	WILBRAHAM	16767	Wilbraham Drinking Water Asset Management Plan	\$250,000
77	SOMERSET	16771	Somerset WTP Asset Management Plan	\$86,300
76 *	FREETOWN	16841	Water System Infrastructure Mapping	\$205,400
76	ORLEANS (H)	16766	Orleans Asset Management Plan Updates	\$60,000
75 *	WARREN WATER DISTRICT	16772	Warren Water District Drinking Water AMP	\$150,000
73	SALEM/BEVERLY WATER SUPPLY BOARD (H)	16721	Asset Management and Sustainability Master Plan	\$250,000
70	BELMONT	16860	Asset Management Planning	\$109,625
66	BREWSTER	16879	Brewster Water - Capital Improvement Program	\$327,066
64 *	LEE	16806	Drinking Water Asset Management Plan	\$199,299
59 *	ORANGE	16804	Water Asset Management Plan	\$182,525
59	WEST SPRINGFIELD	16824	Water SCADA Improvements	\$298,800
58 *	HATFIELD	16809	Water Asset Management Plan	\$171,287
53 *	BONDSVILLE FIRE AND WATER DISTRICT	16832	Bondsville Asset Management	\$56,735
44 *	DEERFIELD FIRE DISTRICT	16812	Asset Management Plan	\$76,440
39	WESTON	16708	Weston Drinking Water Asset Management Plan	\$250,000

**TOTAL OF ASSET MANAGEMENT PLANNING PROJECTS**

**\$3,509,727**

(Count: 20)

**TOTAL OF PROJECT PRIORITY LIST**

**\$3,509,727**

\* - small systems

# APPENDIX A – Base, Supplemental and Lead Service Line Grants

DRINKING WATER

STATE REVOLVING FUND(**DWSRF**)

*2024 Draft Intended Use Plan Set-asides for Base, Supplemental, and Lead Service Line Grants*

Funds Authorized Under the Federal  
Safe Drinking Water Act

## Information on Set-asides DWSRF Grant

The Commonwealth of Massachusetts plans to set aside \$2,226,420 (21% of \$10,602,000 - 2024 Grant Amount) of the Capitalization Grant for various non-construction related activities that are authorized in the Safe Drinking Water Act Amendments of 1996. These activities are often vital to water systems so that they can develop and maintain the financial, technical, and managerial capacity to run their system effectively. A portion of the set-aside money will be used to develop and implement programs within state government necessary to implement the DWSRF and the SDWA Amendments of 1996.

The SDWA provides guidance for a variety of uses of the set-aside money. The set-aside money will be placed in separate accounts outside the Project Fund. The SDWA allows for transfers between the set-aside accounts and are the current best estimates of the funds required to complete the programs and projects described in the IUP. Transfers of funds between accounts and projects in accordance with EPA requirements will be made as necessary to accomplish the programs and projects described and efficiently and effectively use the available funds. The SDWA limits the percentage of the capitalization grant that can be used in each of these set-asides and whether the set-aside funds can be “banked” or reserved for future use.

### **I. 4% DWSRF ADMINISTRATION – 2 FTEs**

MassDEP anticipates applying for the full 4% (\$424,080) from the 2024 DWSRF Base Grant for DWSRF Program Administration. These funds will be combined with any remaining prior year funds in order to provide comprehensive DWSRF program assistance. Duties will include (but not be limited to):

**A. MANAGE DWSRF COORDINATION** of projects and liaison with the Massachusetts Clean Water Trust.

**B. OVERSEE ADMINISTRATION AND MANAGEMENT** of the DWSRF Priority List/Intended Use Plan process and fiscal administrative aspects of the set-asides, such as grant application and fiscal reporting, and coordinate with the Drinking Water Program regarding the set-asides.

**C. SUPPORT, CONDUCT, AND ANALYZE SRF PROJECT APPLICATIONS AND PROJECT REVIEWS**

#### **4% Set-Aside Deliverables**

Coordination of all DWP Source Protection and Technical Services Activities Set-Aside IUP and Work Plan Sections that Reflect Drinking Water Program Needs and Priorities Oversight of DWSRF Loans and Grants

#### **4% Set-Aside Measures of Success**

Drinking Water Source Protection and Technical Services Section activities that support Drinking Water Program goals and priorities and are coordinated with the DWSRF Set-Aside activities achieve stated deliverables and measures of success that are consonant with Drinking Water Program objectives.

Award of loans and grants in a timely manner.

## **II. 2% FOR SMALL SYSTEMS SET-ASIDE- 1 FTE**

MassDEP anticipates applying for the full 2% set-aside (\$212,040) from the 2024 DWSRF Base Grant for small systems technical assistance. These funds will be dedicated to staffing the support of the SDWA compliance. In providing technical assistance in support of Small System Capacity Development. FTEs will continue to be provided in the region to follow up with individual small systems on specific compliance issues and other system operation issues.

### **2% Set-Aside Deliverables:**

- On-site training and support to Public Water Suppliers.
- Perform TNC compliance assistance sanitary surveys and provide Groundwater Under the Influence evaluations.
- Technical assistance given to targeted systems that have specific SDWA treatment compliance issues
- Technical assistance to public water systems on GWR.
- Reviews of technical reports related to water supply technology and analysis.
- Technical reviews of state initiatives such as disinfection byproduct treatment or groundwater disinfection.
- Supervision of technical staff and training programs for suppliers.
- Technical reviews of major water quality projects and public health data.
- Information for the public and for water suppliers on major water quality problems.
- Seminars on SDWA Topics.
- Establishment and operation of mentoring groups.
- Training sessions (with credits) providing Certified Operator Training.

### **2% Set-Aside Measures of Success:**

- Compliance issues are successfully addressed in the targeted systems.
- Completion of planned capacity sanitary survey visits.
- Effective technical assistance given as scheduled.

Each group seminar will be followed by an evaluation form to be filled out by participants to assess the efficacy of the seminar. Evaluation of the results will be considered as part of the contract assistance, and provided to the MassDEP staff responsible for implementing training initiatives and reporting on Capacity Development, for their assessment and future planning. Evaluation of all training and assistance will consider the success of recruiting recalcitrant and high-priority systems.

- Reports reviewed as scheduled.

## **III. 10% FOR STATE PROGRAM MANAGEMENT**

MassDEP anticipates utilizing the 10% set-aside to fund project loans.

#### **IV. 15% -SOURCE WATER PROTECTION AND CAPACITY DEVELOPMENT – 8.5 FTEs**

MassDEP anticipates applying for the full 15% (\$1,590,300) from the 2024 DWSRF Base Grant for Source Water Protection and Capacity Development. The authorized activities under this set-aside can include: land acquisition and conservation easement program, source water protection, wellhead protection, and technical and financial capacity implementation.

##### **A. WELLHEAD PROTECTION AND CAPACITY IMPLEMENTATION-8.5 FTEs**

- Assist with source protection program activities related to groundwater sources, as well as operation of the UIC program (a.k.a. “Underground Source Water Protection Program”). Ensure consistency of this work among regions; coordinate with GIS and Internet programs; coordinate with other MassDEP programs; investigate available data for usefulness to groundwater protection; and develop relevant policies and procedures.
- Develop and maintain spatial data related to public water sources and potential contamination threats. Work with regional staff and resources to locate regulated facilities including locating information in files and making site visits to collect location information. Assist with GIS management.
- Assist in Zone II delineation (and re-delineation as needed) and other wellheadprotection-related work.
- Provide technical assistance on source protection to public water suppliers and local officials, and assist with the source water assessment program and with protection of groundwater sources from contamination by septic systems. This includes providing system-specific protection recommendations.
- In accordance with the Capacity Strategy, provide technical assistance in implementing capacity development, including the ability to provide adequate quantities of source water. Provide Capacity Outreach.
- Provide assistance, primarily with protection of groundwater sources.

##### **15% Set-Aside Deliverables**

- UIC program operating under State Primacy
- Spatial data, maps.
- Zone II Reviews
- On-Site training and support to water suppliers
- UIC tracking and reports
- Outreach materials, technical assistance meetings, training for regions, and bylawreviews.
- Implementation of water conservation capacity improvement grant program.
- Implementation of Capacity Development program.
- Implementation of the Source Water Protection program.
- Plan for implementation of the Lead and Copper Rule Revisions (LCRR)

##### **15% Set-Aside Measures of Success:**

- Improved source protection for ground water sources at state and local levels
- GIS databases are properly reviewed and maintained
- Reviews are conducted in a timely manner
- Contract oversight is effective

- Technical Assistance is appropriate and timely and leads to improved source and aquifer protection in the systems visited
- Methods to assure capacity to deliver adequate quantities of drinking water are developed
- Program goals meet MassDEP objectives
- Improved protection at the local level

## 2024 IUP –Drinking Water Base Grant Set-Asides Budget Grant Amount \$10,602,000

	Set-Asides				Total Set Asides
	4% Admin	2% Small System	10% State Program	15% Local Asst	
<b>Salary</b>	\$423,232	\$205,130	\$0	\$1,585,096	\$2,213,458
<b>Travel</b>	\$0	\$4,000	\$0	\$3,000	\$7,000
<b>Supplies</b>	\$848	\$2,910	\$0	\$2,204	\$5,962
<b>Equipment</b>	\$0	\$0	\$0	\$0	\$0
<b>Total</b>	<b>\$424,080</b>	<b>\$212,040</b>	<b>\$0</b>	<b>\$1,590,300</b>	<b>\$2,226,420</b>

### Information on Supplemental DWSRF Grant Set-asides

The Commonwealth of Massachusetts plans to set aside \$4,459,946 of the Supplemental DWSRF Grant for various non-construction related activities that are authorized in the Safe Drinking Water Act Amendments of 1996.

#### **I. 4% DWSRF ADMINISTRATION – 9.5 FTEs**

MassDEP anticipates applying for \$1,973,247 from the 2024 DWSRF Supplement Grant for DWSRF Program Administration. These funds will be combined with any remaining prior year funds in order to provide comprehensive DWSRF program assistance. Duties may include (but not be limited to):

**A. MANAGE DWSRF COORDINATION** of projects and liaison with the Massachusetts Clean Water Trust

**B. OVERSEE ADMINISTRATION AND MANAGEMENT** of the DWSRF Priority List/Intended Use Plan process and fiscal administrative aspects of the set-asides, such as grant application and fiscal reporting, and coordinate with the Drinking Water Program in regard to the set-asides.

## **C. SUPPORT, CONDUCT, AND ANALYZE DWSRF PROJECT APPLICATIONS AND PROJECT REVIEWS**

### **4% Set-Aside Deliverables**

- Coordination of all DWP Source Protection and Technical Services Activities
- Set-Aside IUP and Work Plan Sections that Reflect Drinking Water Program Needs and Priorities Oversight of DWSRF Loans and Grants

### **4% Set-Aside Measures of Success**

- Drinking Water Source Protection and Technical Services Section activities that support Drinking Water Program goals and priorities and are coordinated with the DWSRF
- Set-Aside activities achieve stated deliverables and measures of success that are consistent with Drinking Water Program objectives.
- Award of loans and grants in a timely manner

## **II. 2% FOR SMALL SYSTEMS SET-ASIDE- 2 FTEs**

MassDEP anticipates applying for \$986,649 from the 2024 DWSRF Supplemental Grant for small systems technical assistance. These funds will be combined with any remaining prior year funds in order to provide comprehensive technical assistance to small public water systems.

Duties may include (but not limited to):

### **A. STAFFING TO SUPPORT SAFE DRINKING WATER ACT COMPLIANCE (2 FTEs)**

In providing technical assistance in support of Small System Capacity Development. FTEs will continue to be provided in the region to follow up with individual small systems on specific compliance issues and other system operation issues.

### **B. CONTRACTED SERVICES**

#### **Technical Assistance and Training**

MassDEP will fund a contractor(s) to provide a variety of direct technical, financial, and managerial assistance to small drinking water system. Priority given to disadvantaged communities. Activities will focus on the Safe Drinking Water Act requirements and Massachusetts Drinking Water Regulations and creating an environment of transparency with the DWP Data. The proposed activities may include (but not be limited to): Asset management planning, engineering assistance and evaluations, loan application assistance, emergency response, cyber security, leak detection and well identification. Trainings may include Very Small System Operator Training, Cyber Security, Annual Statistical Reporting, Emerging Contaminants, Cross Connection Control, Opening and Closing a Seasonal System, Regulatory Updates, pump and motor maintenance, rate setting, disinfection, sampling, and exam review. Trainings must meet the requirements established by Division of Licensure (DOL) and can include classroom, self-guided and on-line.

#### **Assistance for Small Community Water Systems and Non-Transient, Non-Community Systems – Cybersecurity Planning Program**

MassDEP will use these set-aside funds to contract with a qualified technical assistance provider to complete the following eligible cybersecurity projects working with the PWS:

- Sanitary survey support and technical training: Assist in the cybersecurity component of sanitary surveys at public water systems (for example, review of emergency response plans, cybersecurity assessment reports, and development of Cyber Security Corrective Action Plan) and conduct technical trainings, as needed.
- Cybersecurity assessment implementation: Assist public water systems implement recommendations from an approved cybersecurity assessment.

MassDEP's technical assistance program will support the goal of supporting the cybersecurity of public water systems. This program will be managed and operated by MassDEP's Drinking Water Program.

All activities are subject to change and are dependent upon the availability of funding.

### **2% Set-Aside Deliverables:**

- On-site training and support to Public Water Suppliers.
- Perform TNC compliance assistance sanitary surveys and provide Groundwater Under the Influence evaluations.
- Technical assistance given to targeted systems that have specific SDWA treatment compliance issues
- Technical assistance to public water systems on GWR.
- Reviews of technical reports related to water supply technology and analysis.
- Technical reviews of state initiatives such as disinfection byproduct treatment or groundwater disinfection.
- Supervision of technical staff and training programs for suppliers.
- Technical reviews of major water quality projects and public health data.
- Information for the public and for water suppliers on major water quality problems.
- Seminars on SDWA Topics.
- Establishment and operation of mentoring groups.
- Training sessions (with credits) providing Certified Operator Training.

### **2% Set-Aside Measures of Success:**

- Compliance issues are successfully addressed in the targeted systems.
- Completion of planned capacity sanitary survey visits.
- Effective technical assistance given as scheduled.
- Each group seminar will be followed by an evaluation form to be filled out by participants to assess the efficacy of the seminar. Evaluation of the results will be considered as part of the contract assistance, and provided to the MassDEP staff responsible for implementing training initiatives and reporting on Capacity Development, for their assessment and future planning. Evaluation of all training and assistance will consider the success of recruiting recalcitrant and high-priority systems.
- Reports reviewed as scheduled.

## **III. 10% FOR STATE PROGRAM MANAGEMENT**

MassDEP anticipates utilizing the 10% set-aside to fund project loans.

## **IV. 15% -SOURCE WATER PROTECTION AND CAPACITY DEVELOPMENT – 5.75 FTEs**

MassDEP anticipates applying for \$1,500,000 from the 2024 DWSRF Supplemental Grant for Source Water Protection and Capacity Development. The authorized activities under this set-aside can include: land acquisition and conservation easement program, source water protection, wellhead protection and technical and financial capacity implementation.

### **A. WELLHEAD PROTECTION AND CAPACITY IMPLEMENTATION**

- Assist with source protection program activities related to groundwater sources, as well as operation of the UIC program (a.k.a. “Underground Source Water Protection Program”). Ensure consistency of this work among regions; coordinate with GIS and Internet programs; coordinate with other MassDEP programs; investigate available data for usefulness to groundwater protection; and develop relevant policies and procedures.
- Develop and maintain spatial data related to public water sources and potential contamination threats. Work with regional staff and resources to locate regulated facilities including locating information in files and making site visits to collect location information. Assist with GIS management.
- Assist in Zone II delineation (and re-delineation as needed) and other wellhead protection-related work.
- Provide technical assistance on source protection to public water suppliers and local officials, and assist with the source water assessment program and with protection of groundwater sources from contamination by septic systems. This includes providing system-specific protection recommendations.
- In accordance with the Capacity Strategy, provide technical assistance in implementing capacity development, including the ability to provide adequate quantities of source water. Provide Capacity Outreach.
- Provide assistance, primarily with protection of groundwater sources.

### **B. CONTRACTED SERVICES – Statewide Well Location Parcel Matching**

MassDEP will fund a contractor(s) to continue work associated with well completion report parcel matching and spatial data improvements to well locations in Massachusetts. Activities will focus on the Safe Drinking Water Act requirements and Massachusetts Drinking Water Regulations in protecting the groundwater quality in the Commonwealth by acquiring as many accurate locations as possible for the 200,000+ wells currently housed in the Well Driller database. All activities are subject to change and are dependent upon the availability of funding.

### **C. CONTRACTED SERVICES – Hydrogeological Services**

MassDEP will fund a contractor(s) to continue work associated with assisting the Drinking Water Program with SDWA source approval/ hydrogeologic reviews. Activities will focus on the Safe Drinking Water Act requirements and Massachusetts Drinking Water Regulations in protecting the groundwater quality and quantity in the Commonwealth by reviewing the hydrogeologic components of New Source Approvals, Zone II delineations, Groundwater Discharge Permits near Public Water Supplies, and potential contamination threats to Public Water Supplies. All activities are subject to change and are dependent upon the availability of funding.

### **15% Set-Aside Deliverables**

- UIC program operating under State Primacy
- Spatial data, maps.
- Zone II Reviews

- On-Site training and support to water suppliers
- UIC tracking and reports
- Outreach materials, technical assistance meetings, training for regions, and bylaw reviews.
- Implementation of water conservation capacity improvement grant program.
- Implementation of Capacity Development program.
- Implementation of the Source Water Protection program.
- Plan for implementation of the Lead and Copper Rule Revisions (LCRR)

**15% Set-Aside Measures of Success:**

- Improved source protection for ground water sources at state and local levels
- GIS databases are properly reviewed and maintained
- Reviews are conducted in a timely manner
- Contract oversight is effective
- Technical Assistance is appropriate and timely and leads to improved source and aquifer protection in the systems visited
- Methods to assure capacity to deliver adequate quantities of drinking water are developed
- Program goals meet MassDEP objectives
- Improved protection at the local level

**2024 IUP – Drinking Water Supplemental Grant Set-Asides Budget  
Grant Amount: \$49,332,333**

	Set-Asides				
	4% Admin	2% Small System	10% State Program	15% Local Asst	Total Set Asides
<b>Salary</b>	\$1,971,072	\$505,626	\$0	\$1,294,420	\$3,771,118
<b>Travel</b>	\$1,500	\$3,000	\$0	\$4,500	\$9,000
<b>Supplies</b>	\$725	\$1,266	\$0	\$2,856	\$4,847
<b>Equipment</b>	\$0	\$0	\$0	\$0	\$0
<b>Contracts</b>	\$0	\$476,757	\$0	\$198,224	\$674,981
<b>Total</b>	<b>\$1,973,297</b>	<b>\$986,649</b>	<b>\$0</b>	<b>\$1,500,000</b>	<b>\$4,459,946</b>

## **Information on Set-asides – Lead Service Line DWSRF Grant**

The Commonwealth of Massachusetts plans to use \$10,447,000 (31% of \$33,700,000) of the Lead Service Line DWSRF Grant's set-aside funding to support activities that are authorized in the Safe Drinking Water Act Amendments of 1996.

Starting on July 1, 2022, the Commonwealth began accepting SRF grant applications for planning activities that assist public water suppliers with completing planning projects for lead service line inventories and replacement programs. The Lead Service Line (LSL) Planning Grant Program will follow all SRF program requirements.

### **I. 4% DWSRF ADMINISTRATION SET-ASIDE**

MassDEP plans to apply for the full 4%, \$1,348,000, to allocate to the LSL Planning Grant Program.

### **II. 2% FOR SMALL SYSTEMS SET-ASIDE**

MassDEP plans to apply for the full 2%, \$674,000, to fund the following:

**CONTRACTED SERVICES** - Assistance for Small Community Water Systems and Non-Transient, Non-Community Systems - Lead Service Line Planning Program

MassDEP will use these set-aside funds to contract with a qualified technical assistance provider to complete the following eligible planning projects working with the PWS:

- LSL Inventory - Find, map, and inventory water distribution and customer service lines to complete a comprehensive LSL inventory that will be made publicly available by MassDEP.
- LSL Replacement Program - Completion of an LSL replacement program that complies with LCRRs.

MassDEP's technical assistance program will support the goal of planning to remove all lead service lines in 5 years. This program will be managed and operated by MassDEP's Drinking Water Program.

All activities are subject to change and are dependent upon the availability of funding.

### **III. 10% FOR STATE PROGRAM MANAGEMENT SET-ASIDE**

MassDEP plans to apply for the full 10%, \$3,370,000, to allocate to the LSL program management. The State Program Management Set-aside is used to fund: A) Administrative assistance to the PWSS program; B) Assistance for capacity development initiatives; and C) support for state operator certification program.

#### **A. PWSS SUPPORT**

This includes capacity development, consumer confidence report assistance, adoption and implementation of new regulations, implementation of new and existing federal rules, source

water assessments and protection, planning, outreach, data management, engineering and construction supervision, compliance supervision and other drinking water program activities related to the LCRR and LCRI requirements.

**B. CAPACITY DEVELOPMENT SUPPORT**

MassDEP has designated specific regional staff as capacity development specialists. The Drinking Water Program has discerned that it is more productive to train all staff that do Sanitary Surveys in the elements of Capacity Development. The Drinking Water Program will focus on capacity development around the LCRR and LCRI requirements.

**C. OPERATOR CERTIFICATION SUPPORT**

MassDEP has a very active operator certification program. The program activities have been integrated into daily activities of staff. Trainings and outreach will focus on the LCRR and LCRI requirements.

**IV. 15% -SOURCE WATER PROTECTION AND CAPACITY DEVELOPMENT**

MassDEP plans to apply for the full 15%, \$5,055,000, to allocate to the LSL program source water protection and capacity development efforts. These efforts include consumer confidence report assistance, adoption and implementation of the Lead and Copper Rule Revisions and Lead and Copper Rule Improvements, source water assessments and protection, planning, outreach, data management, engineering and construction supervision, compliance supervision and other drinking water program activities.

**2024 IUP - Lead Service Line Replacement Grant Set-Asides Budget  
Grant Amount: \$33,700,000**

	Set-Asides				Total Set Asides
	4% Admin	2% Small System	10% State Program	15%Local Asst	
<b>LSL Planning Grant Program</b>	\$1,348,000		\$3,370,000		\$4,718,000
<b>Contract</b>	-	\$674,000	-	-	\$674,000
<b>Source Protection and Capacity Development</b>				\$5,055,000	\$5,055,000
<b>Total</b>	<b>\$1,348,000</b>	<b>\$674,000</b>	<b>\$3,370,000</b>	<b>\$5,055,000</b>	<b>\$10,447,000</b>