



Department of Environmental Protection

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FINAL 2023 INTENDED USE PLAN

For the

CLEAN WATER STATE REVOLVING

FUND April 10, 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 Final Calendar Year 2023 Intended Use Plan (IUP). The IUP details the projects, borrowers and amounts being offered financing through the Clean Water State Revolving Fund (CWSRF) loan program. The CWSRF is a joint federal-state financing program that provides subsidized loans to improve and protect water quality and public health in the Commonwealth.

Massachusetts is offering approximately \$903 million to finance clean water projects across the Commonwealth. As noted in Table 1, approximately \$878 million is being offered to finance 59 new construction projects, and \$2 million is being offered to finance 2 previously approved multi-year projects. A total of \$ 3 million has been allocated to the emergency set-aside account. An additional \$5 million will be directed to the Community Septic Management Program (CSMP) to remediate failed septic systems in participating communities. An additional \$15 million has been set-aside to finance planning and PFAS design projects in calendar year 2023; MassDEP is accepting loan applications for planning projects and PFAS design projects, 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 manager make informed decisions regarding the timing and location for asset repairs, replacements, or rehabilitation, and developing a long-term funding strategy. In this manner, the utility can ensure its ability to deliver the required level of service perpetually. Massachusetts is promoting AMPs by offering grants to communities interested in conducting a project that will result in an AMP for one or more of their water utilities. In calendar year 2023, twenty-seven project proposals, estimated at approximately \$5 million, as shown in Table 2, are being offered grants for their AMP projects. Communities will receive 60% of the project cost, up to \$150,000, as a grant from the Massachusetts Clean Water Trust (the Trust), totaling approximately \$3 million. The balance of the cost 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 borrowed from the Trust at the standard 2% interest rate for a term of up to five years.

2023 Highlights

- On November 15, 2021, President Biden signed the Bipartisan Infrastructure Law (BIL) that provides two new federal grants through the CWSRF:
 1. Supplemental Clean Water State Revolving Fund Grant
 2. Emerging Contaminants Grant

These grants will be provided annually over five years starting in 2022 through 2026. For fiscal year 2023, Massachusetts expects to receive \$70.8 million for the Supplemental CWSRF Grant and \$7.2 million in the Emerging Contaminants Grant. The Supplemental CWSRF Grant requires that Massachusetts provide \$34.7 million, 49% of the total grant amount, as loan forgiveness to Disadvantaged Communities. The Emerging Contaminant

Grant requires that the entire \$7.2 million be provided as loan forgiveness for any eligible project.

Using supplemental funds, Massachusetts anticipates being able to offer fixed percentages of additional loan forgiveness for eligible projects on the 2023 IUP. These fixed percentages are anticipated to be consistently applied to the future IUPs covered under these new BIL federal grants subject to funds availability. MassDEP, in consultation with the Massachusetts Clean Water Trust (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 large increase in the 2023 IUP capacity is evidence of the additional BIL funding being put to use in the Commonwealth. Massachusetts looks forward to financing more projects at a lower cost to communities throughout the Commonwealth.

Some of the key provisions of BIL include amendments to the Clean Water Act (CWSRF Base 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 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, 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>.

- BIL establishes an additional subsidy range of 10% to 30% for the annual CWSRF capitalization grant, while Congress also requires that states use 10% of the annual CWSRF capitalization grant for additional subsidy. Massachusetts expects a capitalization grant award of approximately \$25.5 million in 2023. Additional subsidy will be provided in the form of loan forgiveness for communities that might otherwise not be able to afford to undertake the project. MassDEP and the Trust will continue to provide loan forgiveness as a fixed

percentage of principal. Further details may be found in section I(A) of this IUP. Information about the Trust's Affordability Calculation is found at: [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 also offering loan forgiveness for projects with a renewable energy component.
- 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 non-federal funds from the CWSRF to the DWSRF program in the amount of \$18.4 million (33% of the 2023 DWSRF capitalization grant amount estimated at \$10.6 million and the supplemental grant amount of \$45.2 million). Additionally, the CWSRF Emerging Contaminants Grant will be transferred to DWSRF, as detailed below. Massachusetts reserves authority of future transfers of Supplemental BIL funds.
- BIL allows states the flexibility to move funds between the CWSRF and the DWSRF programs. Due to great demand for DWSRF PFAS remediation projects, Massachusetts will transfer \$7.2 million of CWSRF Emerging Contaminant funds to the DWSRF Emerging Contaminant program (100% of the grant amount). This transfer will not adversely impact the CWSRF projects in this IUP.

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

TABLE 1
CLEAN WATER STATE REVOLVING FUND
Calendar Year 2023 CWSRF Intended Use Plan

NEW PROJECTS

Rating	Applicant	SRF ID	Project	Project Cost	2023IUP Cost
552	YARMOUTH #(PF)(RE)(SG)	8349	Phase I - WRRF and Collection System	\$207,244,000	\$50,000,000
550	NEW BEDFORD #(PF)(SG)	12413	Wastewater Collection System Improvements	\$21,315,000	\$21,315,000
549	BARNSTABLE #(H)(PF)(SG)	7346	FY24-25 BWPCF Improvements	\$6,121,800	\$6,121,800
546	NANTUCKET #(H)(SG)	12453	Phase 2 Surfside WWTF Improvements	\$12,922,000	\$12,922,000
544	KINGSTON (PF)(BG)	10373	Effluent Recharge Site No. 3 & Sewer Expansion	\$11,652,000	\$11,652,000
544	TAUNTON (H)(PF)(BG)	12563	2024 Pump Station Improvements	\$7,000,000	\$7,000,000
543	BILLERICA #(H)(PF)(BG)	7300	Infiltration/Inflow Rehabilitation Project	\$1,487,200	\$1,487,200
543	HOLYOKE #(PF)(BG)	7339	River Terrace Sewer Separation Project - Phase 1	\$10,500,000	\$10,500,000
543	FITCHBURG #(PF)(BG)	12395	CSO 032, 045, 083 Separation/Rehabilitation	\$22,350,000	\$22,350,000
543	CHATHAM #	12525	WPCF Sludge Processing Upgrades	\$5,000,000	\$5,000,000
542	SPRINGFIELD WATER AND SEWER COMMISSION (PF)(W)	12490	Primary Treatment Upgrade at the Springfield Regio	\$14,010,000	\$14,010,000
542	TAUNTON #(H)(PF)	12561	2024 Sewer and Drain Improvements	\$4,000,000	\$4,000,000
540	FALL RIVER #(PF)	12466	Mothers Brook Sewer Replacement	\$22,160,000	\$22,160,000
540	HAVERHILL #(PF)	7252	Haverhill MA Locke Street Sewer Separation Phase 1	\$7,004,200	\$7,004,200
539	HARWICH (PF)	7290	Harwich Phase 3 Sewer Extension	\$48,927,000	\$41,900,410
539	MASHPEE (PF)	7334	Phase 1 Mashpee Treatment and Collection System	\$12,000,000	\$12,000,000
538	BARNSTABLE (H)(PF)	7305	Park City Wind Route Sewer Expansion	\$30,900,000	\$30,900,000
538	REVERE #(PF)	7310	Phase 14 Construction - I/I, IDDE, P.S. & Drainage	\$10,000,000	\$10,000,000
538	ACUSHNET (PF)	8356	CWMP Needs Area 2 Sewer Extension	\$14,400,000	\$14,400,000
538	HARWICH (PF)	10378	Harwich Rt. 28 Sewer Construction Project	\$8,099,590	\$8,099,590
538	HULL #(PF)	11385	Collection System Improvements Phase 2	\$15,471,760	\$15,471,760
538	NEW BEDFORD (PF)	12507	Sassaquin Pond Water Quality Improvements	\$9,340,000	\$9,340,000
536	HAVERHILL #(PF)	9366	Sewer System Improvements - CIPP Lining	\$2,275,000	\$2,275,000
535	FALL RIVER #(PF)	9369	Birch Street Sewer Separation	\$18,000,000	\$18,000,000
535	HAVERHILL #(PF)	10381	WWTP Upgrades	\$41,730,000	\$37,433,800
534	TYNGSBOROUGH (H)(PF)	7293	Phase 3 Sewer Extension & Sunset Park	\$21,595,374	\$21,595,374
534	LAWRENCE #(H)(PF)	12479	Sewer and Drainage Improvements/ Contract 7	\$7,711,000	\$7,711,000
533	LOWELL #(H)(PF)	12454	Duck Island WWTF Phase 3 Upgrade	\$28,100,000	\$28,100,000
532	SAUGUS #(PF)	12442	Comprehensive Sewer System Rehabilitation- 3A	\$3,453,789	\$3,453,789

532 BILLERICA #(H)(PF)	7307 Sewer Contracts 37 & 38	\$58,860,909	\$41,286,040
532 HAVERHILL (PF)	12419 Pump Station Upgrades	\$3,287,000	\$3,287,000
531 NORTH READING	7336 North Reading Wastewater Collection System	\$107,200,000	\$50,000,000
531 SOMERVILLE #(H)(PF)	12441 Morrison & Winslow Ave Flood & CSO Mitigation	\$49,957,000	\$49,957,000
529 QUINCY #(H)(PF)	8364 FY24 Sewer & Drain Improvements	\$10,000,000	\$10,000,000
527 BROCKTON #(H)(PF)	12444 Cashman Road Sewer	\$4,500,000	\$4,500,000
527 BROCKTON #(H)(PF)	12445 Sewer System Rehabilitation Phase 3	\$2,700,000	\$2,700,000
526 WELLFLEET	12470 95 Lawrence Wastewater Treatment and Collection Sy	\$6,309,000	\$6,309,000
525 FALL RIVER (PF)	7345 Ferry Street Pump Station Rehabilitation	\$2,955,900	\$2,955,900
525 QUINCY (H)(PF)	12398 Wollaston Stormwater Capacity Improvements Phase 1	\$5,000,000	\$5,000,000
525 WORCESTER #(H)(PF)	12524 Quinsigamond Avenue CSO Facility Upgrades	\$14,090,000	\$14,090,000
524 LOWELL (H)(PF)	12549 Douglas Road Wet Weather Satellite Storage Tank	\$9,626,000	\$9,626,000
522 BILLERICA #(H)(PF)	7349 Rangeway Road Sewer and Pump Station	\$4,466,760	\$4,466,760
521 WORCESTER (H)(PF)	8353 Lake Avenue Pump Station Improvements	\$6,200,000	\$6,200,000
520 SUDBURY (H)	7251 WWTF and Collection System Project	\$58,711,600	\$50,000,000
510 ACTON (H)	7277 Acton Great Road Sewer Project	\$20,854,000	\$20,854,000
444 SOMERSET #(PF)	8360 Somerset Wastewater Pump Station Upgrades	\$4,780,000	\$4,780,000
439 GREATER LAWRENCE SANITARY DISTRICT	12456 NORTH BANK INTERCEPTOR CSO STORAGE FACILITY	\$71,350,000	\$50,000,000
434 NEW BEDFORD (PF)	12414 Wastewater Treatment Plant Improvements	\$11,500,000	\$11,500,000
434 MARION #	12487 Creek Road Pump Station Resiliency Improvements	\$3,000,000	\$3,000,000
433 BARNSTABLE #(H)(PF)	7302 2023 Wastewater Pump Station Improvements	\$3,320,000	\$3,320,000
429 BARNSTABLE (H)(PF)	7291 Sewer Extension and Vacuum Sewer Removal	\$1,120,000	\$1,120,000
426 MARSHFIELD	10375 Plymouth Ave Pump Station Upgrades	\$8,117,000	\$8,117,000
426 NEW BEDFORD (PF)	12508 Buttonwood Brook Improvements	\$4,200,000	\$4,200,000
419 SHREWSBURY	12483 Rolfe & Maple Ave PS Upgrade and FM Replacement	\$9,820,000	\$9,820,000
341 PLYMOUTH #(H)(PF)	12462 Camelot Drive Sewer Extension Project	\$12,647,000	\$12,647,000
340 BILLERICA #(H)(PF)	7309 Darby and Waterview Avenue Pump Stations	\$2,760,000	\$2,760,000
332 WAREHAM (PF)	12430 WPCF Improvements - Phase 2	\$36,450,000	\$16,000,000
329 UPPER BLACKSTONE WATER POLLUTION ABATEMENT DISTRICT #(RE)	7324 Standby Power for Resiliency	\$10,000,000	\$10,000,000
328 WELLFLEET	12403 Wellfleet Enhanced I&A Septic System Program	\$3,000,000	\$3,000,000

TOTAL OF NEW PROJECTS

\$1,171,551,882 \$877,698,623

(Count: 59)

(Average Rating: 502.15)

(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

(W) - Water Infrastructure Finance and Innovation Act (WIFIA)

- 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

Applicant	SRF ID Project	Project Cost	2023 IUP Cost
MASSACHUSETTS WATER RESOURCES AUTHORITY	4150 DITP Asset Protection Phase 3	\$66,500,000	\$1,000,000
MASSACHUSETTS WATER RESOURCES AUTHORITY	6822 DITP Clarifier #2	\$149,527,777	\$1,000,000
TOTAL OF MULTI-YEAR CARRYOVER AND STATUTORY PROJECTS		\$216,027,777	\$2,000,000

(Count: 2)

MassDEP PRIORITY PROJECTS

Applicant	SRF ID Project	Project Cost	2023 IUP Cost
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 DESIGN 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 INTENDED USE PLAN	\$1,410,579,659	\$902,698,623
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**TABLE 2
CLEAN WATER STATE REVOLVING FUND
Calendar Year 2023 CWSRF ASSET MANAGEMENT PLANNING PROJECTS**

ASSET MANAGEMENT PLANNING PROJECTS

Rating	Applicant	SRF ID	Project	Project Cost	Grant Amount
86	BRAINTREE	7319	Sewer Pump Station & Stormwater Culvert Evaluation	\$142,933	\$82,178
85	LITTLETON	7308	Littleton Stormwater Asset Management Project	\$182,500	\$109,500
85	WINCHENDON	12461	Winchendon Stormwater Asset Management Plan	\$135,625	\$81,375
85	SOUTHAMPTON	12485	Town of Southampton Stormwater Management Plan	\$140,000	\$84,000
83	HOLBROOK	12498	Holbrook Sewer & Stormwater Asset Management Plan	\$261,727	\$150,000
81	WEST SPRINGFIELD	12514	West Springfield Sewer SCADA Improvements	\$403,000	\$150,000
80	WARE	12530	Town of Ware Wastewater Asset Management Plan	\$175,000	\$105,000
77	NEW BEDFORD	12537	Asset Management Program Expansion	\$261,500	\$150,000
77	DUDLEY	12543	Dudley Sewer Asset Management Plan	\$185,000	\$111,000
77	ROCKLAND	12555	Rockland Sewer & Stormwater Asset Management Plan	\$279,618	\$150,000
76	STURBRIDGE	12436	Sturbridge Water/Sewer Asset Management Plan	\$250,000	\$150,000
75	HADLEY	12502	Hadley Wastewater Asset Management Plan	\$120,000	\$72,000
74	FRANKLIN	12541	Franklin Asset Management Plan	\$250,000	\$150,000
71	LOWELL	12560	LRWWU Asset Management Plan	\$250,000	\$150,000
65	EVERETT	12529	Everett Stormwater Asset Management Plan	\$200,070	\$120,042
65	HARWICH	12515	Harwich Stormwater Asset Management Plan	\$125,000	\$75,000
63	MEDWAY	7275	Asset Management Plan - Phase 2	\$250,000	\$150,000
62	DOVER	11391	Town of Dover Stormwater Asset Management Plan	\$165,000	\$99,000
62	EASTON	12505	Easton Stormwater Asset Management Plan	\$136,375	\$81,825
61	AMESBURY	12533	Asset Management Inventory and Planning	\$249,961	\$149,821
60	MERRIMAC	12496	Asset Management Inventory and Planning	\$117,031	\$69,991
56	NEWBURYPORT	12522	Newburyport Stormwater Asset Management Analysis	\$124,692	\$74,720
55	LAWRENCE	7273	Stormwater Asset Management Plan	\$250,000	\$150,000
52	HUDSON	12558	Hudson Asset Management Plan	\$53,000	\$31,800
47	HAVERHILL	7276	Asset Management Plan - Phase 2	\$250,000	\$150,000
46	CONCORD	7288	Wastewater Asset Management Plan	\$179,950	\$107,970
42	BEDFORD	7274	Culvert Asset Management Plan	\$112,500	\$67,500
TOTAL OF ASSET MANAGEMENT PLANNING PROJECTS				\$5,250,482	\$3,022,722

(Count: 27)

TOTAL OF PROJECT PRIORITY LIST	\$5,250,482	\$3,022,722
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BACKGROUND

In 1987, Congress established a program of capitalization grants for States to create the CWSRF loan program. This program provides 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 grant to create the loan fund. 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 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 2023 Intended Use Plan/Project Priority List (IUP/PPL), with its attendant ranking of water pollution abatement projects. 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 \$903 million in financing and describes Massachusetts' intended uses for all funds available in the CWSRF program for 2023, including the projects that Massachusetts expects to provide financial assistance to and an overview of how the Commonwealth will comply with federally mandated requirements.

This IUP contains a list of 27 Clean Water project proposals totaling \$5 million that will receive grant funding for their AMP projects. These communities will receive 60% of the project cost, up to \$150,000, as a grant from the Trust, totaling \$3 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 also consist of 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 2% interest rate or, in certain instances, below 2%. The Commonwealth subsidizes these loans, funding the spread between market interest rates and the awarded rate. This subsidy will continue to be allotted to the SRF programs in this and upcoming budget cycles. Certain priority projects, with the primary purpose of nutrient enrichment reduction, may be eligible for 0% interest loans. Prior to committing to permanent financing, MassDEP will review all submitted information to determine a project's eligibility for the reduced interest rate. 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, 2023**.

Completed loan applications must be submitted to MassDEP at the earliest possible time, but not later than **October 13, 2023**. 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. 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. Replacement projects or project funding increases are subject to availability of funds. Following receipt of a complete loan application package, MassDEP must issue a Project Approval Certificate to the Trust, no later than December 31, 2023, 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 2023 PROJECT FINANCING

In 2023, MassDEP expects to finance 59 new construction projects and 2 carryover projects totaling \$903 million. 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 Community Septic Management Program, and an additional \$15 million to finance planning projects and PFAS design projects; MassDEP is accepting loan applications for planning projects and PFAS design projects, on a rolling basis, while funding is available. Table 1 is the proposed financing list for 2023 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 Asset Management Planning projects.

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

A. Additional Subsidy

Federal law applicable to the 2023 CWSRF capitalization 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 2023 CWSRF IUP, Massachusetts intends to award a minimum of \$5.4 million of the capitalization grant in additional subsidy to eligible projects. In addition, Massachusetts expects to receive \$70.8 million for the Supplemental CWSRF Grant. The Supplemental CWSRF Grant requires that Massachusetts provide \$34.7 million, 49% of the total grant amount, as loan forgiveness to Disadvantaged Communities.

Eligible construction projects for Disadvantaged Communities appearing on the 2023 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 an 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.

Tier	Percent of State APCI	Minimum Loan Forgiveness
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 or PFAS design 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:

1. establish water enterprise funds (or equivalent separate restricted accounts), and
2. 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 account requirements noted above.

C. Green Infrastructure

Congress requires that at least 10% of the federal CWSRF capitalization and supplemental BIL grants be dedicated to green infrastructure projects, or components, as defined by the USEPA. For Massachusetts, this requires that \$9.6 million be allocated towards Green Infrastructure projects that minimize greenhouse gas emissions and

energy use. For 2023, 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 \$9.6 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 2023 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 2023 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 large

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 capitalization and supplemental grants for technical assistance provided by nonprofits. MassDEP and the Trust intend to contract with a qualified nonprofit organization(s) 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 loan program. This technical assistance will include aiding local government units with the preparation of Project Evaluation Forms (PEFs), SRF loan applications, and other relevant documents.

II. SHORT- AND LONG-TERM GOALS

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

Short-Term Goals

- Finance highly ranked, construction ready, water improvement projects.
- Solicit projects and prioritize projects that assist the Commonwealth in maximizing the utilization of Bipartisan Infrastructure Law (BIL) capitalization grant funds.
- Prioritize projects that promote nutrient removal, especially those which implement the Cape Cod 208 Plan recommendations.
- Prioritize projects that eliminate or abate Combined Sewer Overflow discharges.
- Promote the asset management planning and cybersecurity best management practices by providing grants through the Trust's AMP grant program.
- Allocate at least 10% of the annual federal grant to Green Infrastructure projects, or components, for projects that minimize greenhouse gas emissions and energy use.
- Encourage energy efficiency/conservation by providing enhanced subsidy to projects that include renewable energy components for the portion of the loan that is financing the renewable energy component.
- 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 funds to develop technical assistance programs to aid small

systems and promote outreach and engagement 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

- Ensure that the CWSRF program remains accessible to assist communities across the Commonwealth to maintain compliance with the Clean Water Act, particularly communities with small systems.
- 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, and deliver consistent service in a cost-efficient manner.
- Establish and efficiently manage a permanent source of financing for the construction of publicly owned water pollution abatement facilities to enhance and protect the quality of the waters of the Commonwealth.
- 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 projects have been rated and ranked following the *Clean Water State Revolving Fund 2023 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. Projects on Cape Cod are required to be consistent with the Cape Cod Area-Wide Section 208 Water Quality Management Plan. Six Cape Cod communities: Yarmouth, Barnstable, Chatham, Harwich, Mashpee and Wellfleet have proposals on this IUP; the Cape Cod Commission has determined these projects are consistent with the Cape Cod 208 Plan.

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>. Certain projects on the 2023 PPL may have higher priority point totals than the projects on the IUP Project Listing. That occurred because those projects on the PPL are not ready to proceed. An important indicator of readiness to proceed is that a project has completed the State Environmental Review Process.

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. 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. Replacement projects or project funding increases are subject to availability of funds. Complete project applications not received by MassDEP by **October 13, 2023**, 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, the CSMP, planning and PFAS design categories. 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

Any water pollution abatement project of an eligible borrower is eligible to receive financial assistance from the Trust. 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. Although costs for design are eligible, only PFAS design will be financed during this financing 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 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. These nutrient removal projects will be evaluated in accordance with 310 CMR 44.04(2) and a determination will be made as to the eligibility for 0% interest loans before the loan is permanently financed.

Additionally, communities that implement a Community Septic Management Program (CSMP) that offers an interest rate reduction to homeowners based on Area Median Income threshold may be eligible for 0% interest loans. 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 federal grant of \$25.5 million from USEPA, the required 20% state match equals \$5.1 million. In addition, for 2023, Massachusetts expects to receive \$70.8 million for the Supplemental CWSRF Grant, the required 10% state match equals \$7.08 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 June 30, 2022, the Trust has a balance of approximately \$49.7 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 capitalization grant and the supplemental BIL 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 funds. This will ensure that Massachusetts remains in compliance with the required cash draw ratios.

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 grant to be transferred between the CWSRF and DWSRF.

The CWSRF IUP capacity frequently allows Massachusetts to finance all the requested projects. This year, approximately a third of the requested CWSRF construction projects will not be offered financing. Approximately two thirds of requested DWSRF construction projects will 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. Massachusetts will transfer funds from the CWSRF to the DWSRF program in the amount of \$18.4 million (33% of the 2023 DWSRF capitalization grant amount estimated at \$10.6 million and the supplemental grant amount of \$45.2 million) .

BIL allows states the flexibility to move funds between the CWSRF and the DWSRF programs. Due to great demand for PFAS remediation in drinking water projects, Massachusetts will transfer \$7.2 million of CWSRF Emerging Contaminant supplemental funds to the DWSRF Emerging Contaminant program (100% of the grant amount). This transfer will not adversely impact CWSRF project financing in this IUP.

F. Estimated Sources and Uses

The sources of funds available to the Massachusetts CWSRF include the federal capitalization grant, the federal supplemental BIL grants, state match and borrower loan repayments. The Trust may leverage these funds up to 3 times. Under this authority, the Trust will offer to finance approximately \$903 million in 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 into binding commitments for 120% of each quarterly grant payment within one year of receipt of the payment. A binding commitment for a project is defined as a legal obligation by the Massachusetts Clean Water Trust to a community that defines the terms and timing for assistance through the SRF program. This is defined by the execution of a Project Regulatory Agreement and Loan Agreement between the LGU and the SRF program.
- 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 capitalization grant 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 ([2022 BIL](#) & [2015 EPA](#) guidance)
- 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 WRRDA, apply the American Iron and Steel (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 Build America, Buy America 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 2023 IUP/PPL was made on December 16, 2022. Pursuant to the provisions for adequate alternative public access to agency hearings, set forth in Section 20 of Chapter 20 of the Acts of 2021, an Act Extending Certain COVID-19 Measures Adopted During the State of Emergency, a public hearing on the Draft IUP was held virtually on January 19, 2023. Records of the testimony received will be maintained in MassDEP's files. MassDEP took into consideration the testimony received to finalize this IUP.

**TABLE 3
CLEAN WATER STATE REVOLVING FUND
Calendar Year 2023 CWSRF Project Priority List**

NEW PROJECTS

Rating	Applicant	NPDES/PERMIT	SRF ID	Project	Project Cost
552	YARMOUTH #(PF)(RE)(SG)	GW Permit	8349	Phase I - WRRF and Collection System	\$207,244,000
550	NEW BEDFORD #(PF)(SG)	MA0100781	12413	Wastewater Collection System Improvements	\$21,315,000
549	BARNSTABLE #(H)(PF)(SG)	GW Permit	7346	FY24-25 BWPCF Improvements	\$6,121,800
546	NANTUCKET #(H)(SG)	GW Permit	12453	Phase 2 Surfside WWTF Improvements	\$12,922,000
544	KINGSTON (PF)(BG)	GW Permit	10373	Effluent Recharge Site No. 3 & Sewer Expansion	\$11,652,000
544	TAUNTON (H)(PF)(BG)	MA0100897	12563	2024 Pump Station Improvements	\$7,000,000
543	BILLERICA #(H)(PF)(BG)	MA0101711	7300	Infiltration/Inflow Rehabilitation Project	\$1,487,200
543	HOLYOKE #(PF)(BG)	MA0101630	7339	River Terrace Sewer Separation Project - Phase 1	\$10,500,000
543	FITCHBURG #(PF)(BG)	MA0100986	12395	CSO 032, 045, 083 Separation/Rehabilitation	\$22,350,000
543	CHATHAM #	GW Permit	12525	WPCF Sludge Processing Upgrades	\$5,000,000
542	TAUNTON #(H)(PF)	MA0100897	12561	2024 Sewer and Drain Improvements	\$4,000,000
542	SPRINGFIELD WATER AND SEWER COMMISSION (PF)(W)	MA0101613	12490	Primary Treatment Upgrade at the Springfield Regio	\$14,010,000
540	HAVERHILL #(PF)	MA0101621	7252	Haverhill MA Locke Street Sewer Separation Phase 1	\$7,004,200
540	FALL RIVER #(PF)	MA0100382	12466	Mothers Brook Sewer Replacement	\$22,160,000
539	HARWICH (PF)	TBD	7290	Harwich Phase 3 Sewer Extension	\$48,927,000
539	MASHPEE (PF)	TBD	7334	Phase 1 Mashpee Treatment and Collection System	\$12,000,000
538	BARNSTABLE (H)(PF)	GW Permit	7305	Park City Wind Route Sewer Expansion	\$30,900,000
538	REVERE #(PF)	MA0103284	7310	Phase 14 Construction - I/I, IDDE, P.S. & Drainage	\$10,000,000
538	ACUSHNET (PF)	MA0100781	8356	CWMP Needs Area 2 Sewer Extension	\$14,400,000
538	HARWICH (PF)	TBD	10378	Harwich Rt. 28 Sewer Construction Project	\$8,099,590
538	HULL #(PF)	MA0101231	11385	Collection System Improvements Phase 2	\$15,471,760
538	NEW BEDFORD (PF)	MA0100781	12507	Sassaquin Pond Water Quality Improvements	\$9,340,000
536	HAVERHILL #(PF)	MA0101621	9366	Sewer System Improvements - CIPP Lining	\$2,275,000
535	FALL RIVER #(PF)	MA0100382	9369	Birch Street Sewer Separation	\$18,000,000
535	HAVERHILL #(PF)	MA0101621	10381	WWTP Upgrades	\$41,730,000
534	TYNGSBOROUGH (H)(PF)	MA0100633	7293	Phase 3 Sewer Extension & Sunset Park	\$21,595,374
534	LAWRENCE #(H)(PF)	MA0100447	12479	Sewer and Drainage Improvements/ Contract 7	\$7,711,000
533	LOWELL #(H)(PF)	MA0100633	12454	Duck Island WWTF Phase 3 Upgrade	\$28,100,000

532	BILLERICA #(H)(PF)	MA0101711	7307 Sewer Contracts 37 & 38	\$58,860,909
532	HAVERTHILL (PF)	MA0101621	12419 Pump Station Upgrades	\$3,287,000
532	SAUGUS #(PF)	MA0100552	12442 Comprehensive Sewer System Rehabilitation- 3A	\$3,453,789
531	NORTH READING	MA0100447	7336 North Reading Wastewater Collection System	\$107,200,000
531	SOMERVILLE #(H)(PF)	MA0103284	12441 Morrison & Winslow Ave Flood & CSO Mitigation	\$49,957,000
529	QUINCY #(H)(PF)	MA0103284	8364 FY24 Sewer & Drain Improvements	\$10,000,000
527	BROCKTON #(H)(PF)	MA0101010	12445 Sewer System Rehabilitation Phase 3	\$2,700,000
527	BROCKTON #(H)(PF)	MA0101010	12444 Cashman Road Sewer	\$4,500,000
526	WELLFLEET	TBD	12470 95 Lawrence Wastewater Treatment and Collection Sy	\$6,309,000
525	QUINCY (H)(PF)	MAR041081	12398 Wollaston Stormwater Capacity Improvements Phase 1	\$5,000,000
525	WORCESTER #(H)(PF)	MA0102369	12524 Quinsigamond Avenue CSO Facility Upgrades	\$14,090,000
525	FALL RIVER (PF)	MA0100382	7345 Ferry Street Pump Station Rehabilitation	\$2,955,900
524	LOWELL (H)(PF)	MA0100633	12549 Douglas Road Wet Weather Satellite Storage Tank	\$9,626,000
522	BILLERICA #(H)(PF)	MA0101711	7349 Rangeway Road Sewer and Pump Station	\$4,466,760
521	WORCESTER (H)(PF)	MA0102369	8353 Lake Avenue Pump Station Improvements	\$6,200,000
520	SUDBURY (H)	TBD	7251 WWTF and Collection System Project	\$58,711,600
510	ACTON (H)	GW Permit	7277 Acton Great Road Sewer Project	\$20,854,000
444	SOMERSET #(PF)	MA0100676	8360 Somerset Wastewater Pump Station Upgrades	\$4,780,000
439	GREATER LAWRENCE SANITARY DISTRICT	MA0100447	12456 NORTH BANK INTERCEPTOR CSO STORAGE FACILITY	\$71,350,000
434	MARION #	MA0100030	12487 Creek Road Pump Station Resiliency Improvements	\$3,000,000
434	NEW BEDFORD (PF)	MA0100781	12414 Wastewater Treatment Plant Improvements	\$11,500,000
433	BARNSTABLE #(H)(PF)	GW Permit	7302 2023 Wastewater Pump Station Improvements	\$3,320,000
429	BARNSTABLE (H)(PF)	GW Permit	7291 Sewer Extension and Vacuum Sewer Removal	\$1,120,000
426	MARSHFIELD	MA0101737	10375 Plymouth Ave Pump Station Upgrades	\$8,117,000
426	NEW BEDFORD (PF)	MA0100781	12508 Buttonwood Brook Improvements	\$4,200,000
419	SHREWSBURY	MA0100412	12483 Rolfe & Maple Ave PS Upgrade and FM Replacement	\$9,820,000
412	COUNTY OF DUKE COUNTY (PF)(D)	GW Permit	12439 Martha's Vineyard Airport WWTF Upgrades	\$0
341	PLYMOUTH #(H)(PF)	MA0100587	12462 Camelot Drive Sewer Extension Project	\$12,647,000
340	BILLERICA #(H)(PF)	MA0101711	7309 Darby and Waterview Avenue Pump Stations	\$2,760,000
332	WAREHAM (PF)	MA0101893	12430 WPCF Improvements - Phase 2	\$36,450,000
329	UPPER BLACKSTONE WATER POLLUTION ABATEMENT DISTRICT #(RE)	MA0102369	7324 Standby Power for Resiliency	\$10,000,000

328	WELLFLEET	N/A	12403 Wellfleet Enhanced I&A Septic System Program	\$3,000,000
325	WORCESTER #(H)(PF)	MA0102369	12415 Various Streets Rehabilitation Project 2023	\$2,091,000
325	WAREHAM #(PF)	MA0101893	12526 Swifts Beach Inflow and Infiltration Project	\$24,000,000
325	MEDFIELD #(H)	MA0100978	7296 Medfield Sewer Infrastructure Rehabilitation	\$2,133,000
323	WORCESTER #(H)(PF)	MA0102369	12536 Shrewsbury Street Sewer Rehabilitation Project	\$10,560,000
322	SALEM (H)(PF)	MA0100501	7342 Ocean Avenue West Pump Station Improvements	\$9,800,000
322	FREETOWN (PF)	MA0100382	8358 Assonet Sewer Extension Project	\$15,456,000
308	AVON (PF)		12437 Avon Industrial Park Localized Sewer District	\$14,595,600
244	BARNSTABLE #(H)(PF)	GW Permit	7303 Sewer System Rehab Infiltration and Inflow Removal	\$810,000
235	BROCKTON (H)(PF)(RE)	MA0101010	12464 AWRF Biosolids Management Improvements	\$35,000,000
232	HUDSON #(PF)	MA0101788	12501 Wastewater Treatment Facility Phase 2 Improvements	\$20,000,000
226	MASSACHUSETTS WATER RESOURCES AUTHORITY	MA0103284	7326 SSPS VFD Replace Const	\$75,000,000
226	EASTHAMPTON #(PF)	MA0101478	7333 Liberty/Lovefield Pump Station Upgrades	\$4,120,000
225	EASTHAMPTON #(PF)	MA0101478	7317 Easthampton Wastewater Pump Station Elimination	\$3,810,792
224	MASSACHUSETTS WATER RESOURCES AUTHORITY	MA0103284	7329 Hayes Pump Station Improvements	\$14,840,000
224	BROCKTON #(H)(PF)	MA0101010	12446 AWRF Effluent Upgrades	\$9,000,000
224	ACTON (H)	GW Permit	12400 WWTF and Pump Station Rehabilitation - Phase 2	\$4,438,000
224	SALEM (H)(PF)	MA0100501	7343 Canal Street Flood Mitigation Project - Phase 2B	\$37,500,000
222	GLOUCESTER #(PF)	MA0100625	12429 Riverdale Park PS Upgrades	\$2,293,200
222	MARSHFIELD #	MA0101737	12547 Marshfield Sewer Replacement Project	\$7,856,000
220	TYNGSBOROUGH (H)(PF)	MA0100633	7284 Phalanx Pump Station Upgrade	\$550,000
220	WINTHROP #(PF)	MA0103284	9367 Sewer System Infiltration Program	\$5,900,000
219	ANDOVER (H)	MA0100447	7295 Shawsheen Village Sewer Pump Station Upgrades	\$9,891,790
218	ACTON #(H)(RE)	GW Permit	7278 Acton MFPB WWTF - New Groundwater Discharge	\$10,280,000
218	WORCESTER (H)(PF)	MA0102369	12473 Worcester - Dunkirk Ave. PS Upgrade	\$5,608,100
216	NORTH ANDOVER (H)	MA0100447	7270 Sewer Pump Station Rehabilitation	\$4,968,348
216	NORTHBOROUGH	MA0100480	12527 SCADA and Controls System Project	\$691,205
215	SAUGUS (PF)	MA0100552	12401 Lynnhurst School Pump Station Improvements	\$800,000
215	MILTON #	MA0103284	12494 Sewer Improvements Project - Contract S23-1	\$8,953,000
212	WESTFIELD (PF)	MA0101800	12469 Water Recovery Facility Dewatering Upgrade	\$2,442,900
212	SHREWSBURY	MA0100412	12484 Walnut St PS Upgrade & FM/Sewer Replacement	\$4,750,000
212	WESTFIELD (PF)	MA0101800	12460 Westfield Administration Building	\$4,150,129

210	PALMER (PF)	MA0101168	7323 Thorndike Street Siphon Replacement	\$6,140,000
207	HOLDEN	MA0102369	12513 Industrial Drive Sewer Pump Station Replacement	\$1,610,000
118	AGAWAM (PF)	MA0101613	7281 Drainage Infrastructure Improvements (East)	\$4,223,000
118	LAWRENCE (H)(PF)	MA0100447	9364 DPW Yard Flood Mitigation	\$2,665,000
117	WINTHROP (PF)	MA0103284	9368 Ingleside Park Site & Drainage Improvements	\$15,020,000
117	WELLFLEET	N/A	12540 Mayo Creek Restoration Project	\$1,967,700
116	AGAWAM (PF)	MA0101613	7282 Drainage Infrastructure Improvements (West)	\$4,588,000
110	WINTHROP (PF)	MA0103284	9365 Morton Street Drainage Improvements	\$9,300,000

TOTAL OF NEW PROJECTS **\$1,569,354,646**

(Count: 99) (Average Rating: 391.14)

- (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
- (W) - Water Infrastructure Finance and Innovation Act (WIFIA)
- # - 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

Applicant	NPDES/PERMIT	SRF ID	Project	Project Cost
MASSACHUSETTS WATER RESOURCES AUTHORITY	MA0103284	4150	DITP Asset Protection Phase 3	\$66,500,000
MASSACHUSETTS WATER RESOURCES AUTHORITY	MA0103284	6822	DITP Clarifier #2	\$149,527,777
TOTAL OF MULTI-YEAR CARRYOVER AND STATUTORY PROJECTS				\$216,027,777

(Count: 2)

MassDEP PRIORITY PROJECTS

Applicant	NPDES/PERMIT	SRF ID	Project	Project Cost
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 DESIGN SRF SET-ASIDE		13575		\$15,000,000
TOTAL OF MassDEP PRIORITY PROJECTS				\$23,000,000

(Count: 3)

TOTAL OF PROJECT PRIORITY LIST**\$1,808,382,423**

**TABLE 4
CLEAN WATER STATE REVOLVING FUND
Calendar Year 2023 CWSRF ASSET MANAGEMENT PLANNING PROJECTS**

ASSET MANAGEMENT PLANNING PROJECTS

Rating	Applicant	SRF ID	Project	Project Cost
86	BRAINTREE	7319	Sewer Pump Station & Stormwater Culvert Evaluation	\$142,933
85	LITTLETON	7308	Littleton Stormwater Asset Management Project	\$182,500
85	WINCHENDON	12461	Winchendon Stormwater Asset Management Plan	\$135,625
85	SOUTHAMPTON	12485	Town of Southampton Stormwater Management Plan	\$140,000
83	HOLBROOK	12498	Holbrook Sewer & Stormwater Asset Management Plan	\$261,727
81	WEST SPRINGFIELD	12514	West Springfield Sewer SCADA Improvements	\$403,000
80	WARE	12530	Town of Ware Wastewater Asset Management Plan	\$175,000
77	NEW BEDFORD	12537	Asset Management Program Expansion	\$261,500
77	DUDLEY	12543	Dudley Sewer Asset Management Plan	\$185,000
77	ROCKLAND	12555	Rockland Sewer & Stormwater Asset Management Plan	\$279,618
76	STURBRIDGE	12436	Sturbridge Water/Sewer Asset Management Plan	\$250,000
75	HADLEY	12502	Hadley Wastewater Asset Management Plan	\$120,000
74	FRANKLIN	12541	Franklin Asset Management Plan	\$250,000
71	LOWELL	12560	LRWWU Asset Management Plan	\$250,000
65	EVERETT	12529	Everett Stormwater Asset Management Plan	\$200,070
65	HARWICH	12515	Harwich Stormwater Asset Management Plan	\$125,000
63	MEDWAY	7275	Asset Management Plan - Phase 2	\$250,000
62	DOVER	11391	Town of Dover Stormwater Asset Management Plan	\$165,000
62	EASTON	12505	Easton Stormwater Asset Management Plan	\$136,375
61	AMESBURY	12533	Asset Management Inventory and Planning	\$249,961
60	MERRIMAC	12496	Asset Management Inventory and Planning	\$117,031
56	NEWBURYPORT	12522	Newburyport Stormwater Asset Management Analysis	\$124,692
55	LAWRENCE	7273	Stormwater Asset Management Plan	\$250,000
52	HUDSON	12558	Hudson Asset Management Plan	\$53,000
47	HAVERHILL	7276	Asset Management Plan - Phase 2	\$250,000
46	CONCORD	7288	Wastewater Asset Management Plan	\$179,950
42	BEDFORD	7274	Culvert Asset Management Plan	\$112,500
TOTAL OF ASSET MANAGEMENT PLANNING PROJECT				\$5,250,482

(Count: 27)

TOTAL OF PROJECT PRIORITY LIST

\$5,250,482

* - small system