



COMMONWEALTH OF MASSACHUSETTS  
EXECUTIVE OFFICE OF ENERGY & ENVIRONMENTAL AFFAIRS  
**DEPARTMENT OF ENVIRONMENTAL PROTECTION**  
ONE WINTER STREET, BOSTON, MA 02108 617-292-5500

DEVAL L. PATRICK  
Governor

TIMOTHY P. MURRAY  
Lieutenant Governor

IAN A. BOWLES  
Secretary

LAURIE BURT  
Commissioner

## **BUREAU OF RESOURCE PROTECTION**

### State Revolving Fund Loan Program For Drinking Water Projects

### Final CY 2009 Intended Use Plan And Project Priority List

July 31, 2009





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To All Interested Parties:

On behalf of Governor Deval Patrick, I am pleased to present the 2009 Intended Use Plan (IUP), which details the projects, borrowers and amounts that will be financed through the Drinking Water State Revolving Fund (DWSRF) program. The DWSRF is a joint federal-state financing program that provides subsidized interest loans to water suppliers for their system infrastructure. Massachusetts is offering \$243 million to finance 58 projects across the Commonwealth. 2009 Drinking Water SRF financing is being offered in the form of 2% interest loans for terms up to twenty years. However, due to the availability of federal stimulus funding provided by the American Recovery and Reinvestment Act of 2009 (ARRA), \$52 million of that amount will be reduced as principle forgiveness. The final amount of forgiveness will be determined at loan closing, but is estimated to be about 16.5 % for the projects.

The investment in water infrastructure is expected to be a boost to the engineering and construction industries in Massachusetts. The principle forgiveness is intended to catalyze action on infrastructure improvements, even during these difficult budget times. The wide availability of contractors and engineers, and an abundant supply of materials have created a favorable bidding environment for project owners. The addition of the principle forgiveness to the SRF Borrowers makes this an ideal time to pursue these infrastructure projects.

In 2007, under the direction of Secretary of Environmental Affairs, Ian Bowles, the Commonwealth launched an Energy Management Pilot project at a number of water treatment facilities across the state. The purpose of the Pilot was to find strategies to reduce the enormous energy costs to municipalities of treatment facilities, which are typically the lion's share of a municipal energy budget. Pilot recommendations use a combination of energy efficiency measures and renewable energy generation installation to significantly reduce the facility reliance upon fossil fuel-generated electricity, and thereby their carbon footprint. Massachusetts is devoting a share of the federal stimulus grants to finance the implementation of these recommendations.

ARRA requires that a minimum of 20% of the stimulus funds be utilized to fund Green Infrastructure projects. The Green Infrastructure projects listed will receive principle forgiveness in the dollar amounts listed, which are anticipated to cover the full cost of these energy projects. This will further establish Massachusetts as a leading state in the efforts to promote new energy technologies and combat climate change.

MassDEP staff look forward to working with the IUP recipients to develop and implement these projects in accordance with the timelines and requirements of the program and of ARRA.

Sincerely,

Laurie Burt, Commissioner  
MassDEP

**TABLE 1**  
**DRINKING WATER STATE REVOLVING FUND**  
**Calendar 2009 DWSRF Intended Use Plan**

**NEW PROJECTS**

Rating	Applicant	SRF ID	Project	Project Cost	2009 IUP Cost
112.3	FALL RIVER	3225	Water System Improvements Phase 9	\$3,159,500	\$3,159,500
107.7	BARNSTABLE	3222	Hyannis Water Supply System Improvements	\$13,204,000	\$3,890,000
97.5	FRAMINGHAM	3211	New Water Treatment Plant	\$39,180,000	\$22,000,000
94.5	HOLDEN	3188	Water System Improvements	\$2,459,000	\$2,459,000
93.7	PITTSFIELD	3185	Water System Improvements - Coltsville	\$1,850,000	\$1,850,000
92.7	PITTSFIELD	3288	Water System Improvements - SCADA	\$1,393,000	\$1,393,000
92.3	MWRA	3210	NIH Redundancy & Storage	\$86,541,000	\$14,126,790
92.0	NORTHAMPTON	3184	Wells Improvement	\$695,000	\$695,000
87.5	LAKEVILLE	3226	New Water Main and Water Storage Tank	\$4,800,000	\$4,800,000
84.1	*WELLFLEET	3229	Water System Expansion	\$5,972,000	\$5,486,917
76.0	*SPENCER	3192	Water System Improvements	\$6,613,000	\$6,613,000
71.1	*CHARLTON	3284	North Main St. Water Distribution System Improve	\$2,003,000	\$2,003,000
70.5	QUINCY WATER DEPT. (MWRA)	3213	Water System Infrastructure Rehab	\$14,929,000	\$14,929,000
69.2	*WINCHENDON	3193	Water Distribution and Storage Tank Improvements	\$2,311,000	\$2,311,000
67.2	WESTFORD	3216	WTP Improvements and Water Main Construction	\$3,240,000	\$3,240,000
65.6	*LUNENBURG	3190	Well Land Water Main Construction	\$4,460,500	\$4,460,500
<b>TOTAL OF NEW PROJECTS</b>				<b>\$192,810,000</b>	<b>\$93,416,707</b>

(Count: 16)

(Average Rating: 85.87)

\* Indicates Small System

**MassDEP PRIORITY PROJECTS**

<b>Applicant</b>	<b>SRF ID</b>	<b>Project</b>	<b>Project Cost</b>	<b>2009 IUP Cost</b>
EMERGENCY SRF SET-A-SIDE	2978		\$2,000,000	\$2,000,000
<b>TOTAL OF MassDEP PRIORITY PROJECTS</b>			<b>\$2,000,000</b>	<b>\$2,000,000</b>

(Count: 1)

**MULTI-YEAR CARRYOVER AND STATUTORY PROJECTS**

<b>Applicant</b>	<b>SRF ID</b>	<b>Project</b>	<b>Project Cost</b>	<b>2009 IUP Cost</b>
ABINGTON/ROCKLAND JOINT WATER WORKS	3114	Residual Handling Facilities	\$4,090,000	\$4,090,000
ABINGTON/ROCKLAND JOINT WATER WORKS	2929	Water Main Replacement and Storage Tanks	\$7,788,000	\$5,400,000
AMESBURY	3162	Water Mains, Pump Station, and Water Tank Upgrades	\$6,298,350	\$6,298,350
AMESBURY	3159	Water Treatment Plant Upgrade	\$18,033,140	\$18,033,140
ASSABET WATER COMPANY, INC.	3109	Install New Water System in Lower Village, Stow	\$1,600,000	\$1,600,000
BRIDGEWATER	3116	Replacement of Water Mains	\$1,245,850	\$1,245,850
CENTERVILLE-OSTERVILLE-MARSTONS MILLS FIREDISTRICT	3115	Water Storage Tank Replacement	\$3,590,000	\$3,289,250
DEERFIELD FIRE DISTRICT	3070	Water Storage Tank & Distribution System Improv.	\$1,119,730	\$1,119,730
EAST BRIDGEWATER	2995	WTP Construction and Water Main Replacement	\$14,150,000	\$1,267,073
FALL RIVER	3118	Water System Improvements - Phase 8	\$3,375,000	\$3,326,000
HOLBROOK	3150	Distribution System Improvements	\$9,350,000	\$9,350,000
LEOMINSTER	3111	New Water Treatment Plant and System Upgrades	\$19,260,000	\$10,131,658
LOWELL	3037	Water System Rehabilitation and Improvement	\$16,895,000	\$7,060,000
MONSON	3034	Water Dist., Storage Tank & Well Improvements	\$1,811,000	\$237,000
MWRA	3160	NHS - Revere & Malden Pipeline	\$9,052,000	\$1,300,000
MWRA	1679	Blue Hills Covered Storage	\$37,766,275	\$6,000,000
MWRA	3156	Weston Aqueduct Supply Main 3	\$57,920,500	\$250,000
MWRA	3050	Northern Low Service Area Rehabilitation	\$16,978,840	\$700,000
MWRA	3049	New Connecting Mains	\$47,808,200	\$700,000
MWRA	3048	Lower Hultman Aqueduct Rehabilitation	\$57,970,000	\$4,500,000
MWRA	2868	Spot Pond Mains, Rehabilitation Etc.	\$68,499,200	\$100,000
MWRA	1680	Southern Spine Distribution Mains	\$41,785,754	\$1,250,000
NEEDHAM	3157	Rehab Water Main/Hydrants/Services	\$1,900,000	\$1,900,000
RANDOLPH	3149	Water System Improvements	\$4,229,500	\$3,446,795

SALISBURY	3069	Water Storage Tank Replacement	\$3,000,000	\$3,000,000
SOUTH GRAFTON WATER DISTRICT	3112	Pump Station Upgrade for Filtration	\$1,760,000	\$1,760,000
SOUTHBRIDGE	2994	Water Treatment Plant Improvements	\$2,515,000	\$2,515,000
STOCKBRIDGE	3098	Water Storage Tank & Main Street Water Mains	\$4,270,000	\$4,270,000
SWANSEA WATER DISTRICT	2892	New WTF / Palmer River Desalination Project	\$19,227,677	\$6,000,000
TAUNTON	3120	Water System Improvements 2009 (2008)	\$6,000,000	\$6,000,000
WOBURN	3052	Water Treatment Plant Construction	\$22,270,000	\$18,500,000

**TOTAL OF MULTI-YEAR CARRYOVER AND STATUTORY PROJECTS** **\$511,559,016** **\$134,639,846**

(Count: 31)

**PLANNING PROJECTS**

Applicant	SRF ID	Project	Project Cost	2009 IUP Cost
BOXBOROUGH	3285	Drinking Water Resource CMP	\$250,000	\$250,000
<b>TOTAL OF PLANNING PROJECTS</b>			<b>\$250,000</b>	<b>\$250,000</b>

(Count: 1)

**GREEN INFRASTRUCTURE PROJECTS**

Applicant	SRF ID	Project	Project Cost	2009 IUP Cost
ASHLAND	3305	Energy Efficiency and Photovoltaic Installation	\$486,353	\$486,353
CHELMSFORD	3315	Solar Photovoltaic Installation	\$3,783,000	\$3,783,000
EASTON	3316	Solar Photovoltaic Installation	\$350,000	\$350,000
FALMOUTH	3302	Solar Photovoltaic System Installation	\$105,000	\$105,000
LEE	3304	Energy Efficiency, Hydroelectric and Photovoltaic	\$801,000	\$801,000
MWRA	3311	MWRA John J. Carroll WTP Photovoltaic Installation	\$5,100,000	\$1,050,000
MWRA	3310	Loring Road Photovoltaic Installation	\$1,525,000	\$1,525,000
NEW BEDFORD	3306	Energy Efficiency and Photovoltaic Installation	\$2,590,000	\$2,590,000
TOWNSEND	3314	Energy Efficiency and Photovoltaic Installation WT	\$325,000	\$325,000
WORCESTER	3303	Energy Mgmt, Hydroelectric and Photovoltaic	\$1,434,000	\$1,434,000
<b>TOTAL OF GREEN INFRASTRUCTURE PROJECTS</b>			<b>\$17,199,353</b>	<b>\$12,449,353</b>

(Count: 10)

**TOTAL OF INTENDED USE PLAN** **\$706,619,016** **\$242,755,906**

**Bureau of Resource Protection  
Drinking Water State Revolving Fund Loan Program  
Calendar Year 2009 Intended Use Plan and Project Priority List**

**1.0 Introduction**

The Massachusetts Department of Environmental Protection (MassDEP) has developed its Calendar Year 2009 Intended Use Plan/Project Priority Lists (IUP/PPL), with its attendant ranking of drinking water projects. In order for a project to receive financial assistance under the State Revolving Fund Loan program, that project must appear on the Project Priority List and the Intended Use Plan Project Listing.

This IUP serves as both the annual IUP required by the EPA as well as the IUP for the additional stimulus funds provided to the program by the American Recovery and Reinvestment Act of 2009 (ARRA). Massachusetts will be receiving just over \$52 million in ARRA Drinking Water funds. All construction projects appearing in this IUP are eligible for ARRA funds as long as the projects are under contract or construction by February 17, 2010.

Notice of availability of the draft 2009 IUP/PPL was made on December 1, 2008 and a Public Hearing was held on January 7, 2009, at MassDEP, One Winter Street in Boston at 2:30 p.m. Written public comment was accepted until 5:00 p.m. on January 8, 2009. A second round of public input was provided for those projects that were added to the IUP/PPL as part of the Green Infrastructure requirements of ARRA. These projects were made available for public comment on June 19, 2009. Written comments were accepted until 5:00 p.m. on June 29, 2009. Based on input received during the public comment period, additional Green Infrastructure projects were placed on the IUP. Also, the proposed MWRA metering project was removed for the final list because of Green Infrastructure eligibility issues.

Projects to receive financial assistance from the DWSRF will be eligible for a variety of loans and subsidies. All construction projects appearing on this IUP are eligible for stimulus funds from the ARRA as long as the projects are under contract or construction by February 17, 2010 and meet the required time frames for application submission. All ARRA project funds will be used to provide additional subsidization to projects that move ahead. The exact level of additional subsidization will be determined by the number of projects that actually move to construction before February 17, 2010. MassDEP reserves the right to reallocate ARRA funds if it determines that any project identified for ARRA funding will not meet the required deadlines.

All ARRA projects are subject to several new requirements including the Davis-Bacon prevailing wage requirements, Buy American provisions, enhanced reporting requirements and the Massachusetts Apprentice Program for projects exceeding \$1 million. **Applicants should coordinate closely with their MassDEP Program Manager to ensure proper compliance with these provisions.**

All projects receiving financial assistance from the DWSRF that do not meet the time frames for ARRA funds will be eligible for loans at 2% interest. The Commonwealth subsidizes these loans, funding the spread between market interest rates and the 2% loan. This subsidy, so-called Contract Assistance, will continue to be allotted to the SRF programs in this and upcoming budget cycles.

## **2.0 *Long-term and Short-term Goal Statements***

### **2.1 *Long-term Goals.***

The Massachusetts Drinking Water SRF has the following long-term goals:

- Support protection of public health by ensuring that all Massachusetts Public Water Suppliers have the necessary technical, financial and managerial capacity to maintain compliance with the current and foreseeable SDWA requirements and provide safe drinking water to their customers;
- Annually reexamine the balance between use of set-aside and project funds and adjust strategy as needed in subsequent years' applications for DWSRF funds;
- Direct at least 15% of the 2009 grant amount to finance projects proposed by small systems, defined as 10,000 customers or fewer.
- Promote the completion of cost-effective projects that maximize protection of public health;
- Effectively manage a drinking water program that facilitates compliance with the SDWA through the use of outreach efforts such as capacity assessments and technical assistance;
- Ensure that water treatment projects financed through the SRF fully consider cost effective energy efficiency measures and/or renewable energy strategies; and
- Encourage long-term water system planning efforts by reserving Drinking Water SRF funds for these types of planning studies.

### **2.2 *Short-term Goals.***

The short-term goals of the Massachusetts Drinking Water SRF include:

- To quickly provide stimulus funding through ARRA to eligible Drinking Water and Green Infrastructure projects to help create jobs and spur the economy.
- Integrating the Commonwealth Capital Score into DWSRF financing decisions. MassDEP will place a project on the fundable portion of the project priority list regardless of the Commonwealth Capital score if implementation of the project is necessary to remediate the most serious risk to human health or is necessary to ensure compliance with the requirements of the SDWA. MassDEP's decision to elevate a project onto the priority list despite a poor Commonwealth Capital score shall be based solely upon a pressing public health or compliance need. MassDEP may require the affected community to implement measures required to improve its Commonwealth Capital score;
- Finance energy management strategies, including efficiency measures and renewable generation, which will reduce the carbon footprint of treatment facilities
- Providing a DWSRF reserve, not to exceed \$2.0 million of available funds, to finance at MassDEP's discretion unanticipated problems of acute public health concern, such as arise

during the year. Such projects must constitute an imminent public health threat and otherwise meet MassDEP's applicable criteria;

- Developing and funding innovative education, planning and compliance assistance programs for small systems to identify and reduce the number of small systems with compliance problems;
- Performing outreach efforts to Drinking Water SRF borrowers that identify the focus on and eligibility of energy efficiency/alternative energy projects;
- Upgrading failing distribution systems to eliminate lead service lines, ensure adequate pressure and flow, and to reduce the potential of bacterial contamination;
- Providing additional storage to ensure adequate water volume, system pressure and redundancy;
- Enhancing security of drinking water systems during the construction or rehabilitation of major facilities;
- Assisting communities in the identification and elimination of naturally occurring contamination (e.g. radionuclide, arsenic, etc.); and
- Executing Drinking Water Set-Aside work plans.

### **3.0 Sources and Spending Limits for the 2009 Funding Period**

Funding for the SRF program will consist of 2009 Federal capitalization funds, the required 20 percent State match, ARRA funds and other moneys available to the fund. MassDEP will leverage these funds in order to provide \$242,755,906 in financial assistance. Massachusetts is due to receive \$52,216,000 in ARRA Drinking Water funds. These funds will be used to provide additional subsidization to any construction project on the 2009 IUP that is under contract or construction by February 17, 2010. MassDEP intends to distribute ARRA funds as follows:

- \$12,449,353 as principal forgiveness to Green Infrastructure Projects;
- \$2,088,640 for program administration costs; and
- \$37,678,007 as principal forgiveness for all other eligible projects.

MassDEP, upon receipt of additional federal and/or state allotments, or other available funds, if any, may move projects from the Project Priority List to the IUP Project Listing or may make increases to previously approved projects. The projects moved to the IUP Project Listing will be the highest ranked priority projects from the Project Priority List that are ready to proceed.

**3.1 Applicant Cap Limitation.** Based on the need for maximum flexibility in the application of ARRA funds, MassDEP has decided to use the statutory applicant cap established in the Drinking Water SRF regulation at 310 CMR 45. These regulations place a limit on any one proponent receiving any more than twenty-five percent of the available funding in a given year.

**3.2 Allocation Formula.** From funding expected to be available during the 2009 Calendar Year, MassDEP has allocated funds to a variety of construction and planning projects.

ARRA requires that 20% of the grant go to Green Infrastructure projects and that 50% of the grant go to additional subsidization in the form of grants, principal forgiveness or negative interest rate loans. MassDEP plans to distribute all of the project related ARRA funds as additional subsidization to eligible projects. This totals 96% of the grant, easily eclipsing the 50% requirement. MassDEP has identified \$12,449,353 in Green Infrastructure projects, which totals 24% of the grant amount, well in excess of the 20% requirement. The Green Infrastructure projects listed will receive principal forgiveness up to the dollar amount identified in the IUP, which is anticipated to cover the full cost of these energy projects. Green Infrastructure projects may use a portion of their IUP dollar amount towards project design in accordance with MassDEP's Allowances for Planning and Design.

Over \$228 million of "shovel ready" projects have been identified that are eligible for the remainder of the ARRA funds. MassDEP intends to fund all of these projects using a combination of 2% interest loans and principal forgiveness. If all of the projects move to construction by February 17, 2010, the additional subsidization level would be approximately 16.5% principal forgiveness. For any projects that do not move forward, the additional subsidy will be applied to projects that actually proceed to construction. The actual level of subsidy will be determined when the final number and cost of the projects that go to construction by February 17, 2010 is fixed. This subsidy level could be more or less than the 16.5% identified above. At that time, a dollar value of the subsidy will be established and applied to each loan.

3.3 *Additional Subsidization.* Massachusetts law requires that all funds distributed by the Drinking Water SRF be in the form of loans with an interest rate of 2%. A bill was filed, approved by the state legislature and signed by the Governor that allows the Massachusetts SRF to provide grants or additional subsidization from ARRA in accordance with federal requirements.

3.4 *Administrative Costs of the SRF.* The Commonwealth of Massachusetts intends to use the full 4 percent of both the 2009 Federal capitalization grant funds and the ARRA capitalization grant for administrative support of activities related to the Federal Fund. Use of those funds is detailed in the DWSRF Grant Application that the Massachusetts Water Pollution Abatement Trust (the Trust) files each year with the EPA.

#### **4.0 *Eligible Projects***

Any drinking water project of an eligible borrower is eligible to receive financial assistance from the Trust. Such eligible projects include, but are not limited to:

- a) Projects to address or prevent violation of public health standards, including projects to come into or maintain compliance.
- b) 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.
- c) Projects that provide energy management and limit facility carbon footprint, including efficiency measures and renewable energy generation.
- d) Projects to consolidate and/or restructure a public water system.

- e) Planning and/or design of any eligible project (not being funded in 2009, see Eligible Project Costs below).

### **5.0 Eligible Project Costs**

Costs of construction that MassDEP determines are 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. MassDEP is committed to the full cost of the project although only a portion of the funding may appear on the IUP. If this is the case, the project becomes a carry over project with the remaining eligible cost generally funded in the following years IUP. Costs for planning projects are eligible for financing during the 2009 funding period. Although costs for design are eligible, they will not be financed during this funding period due to the high demand for construction funding with the exception of the Green Infrastructure projects.

### **6.0 Intended Use Plan Project Listing**

The IUP Project Listing, Table 1, presents those drinking water projects approved for financing in the 2009 funding period, January 1, 2009 through December 31, 2009, through the State Revolving Fund program (SRF). Funding is contingent upon water suppliers having **appropriated the necessary local project funds by June 30, 2009, and filing a complete loan application August 1, 2009 for projects to be funded through ARRA or by October 15, 2009 for those projects that will not be funded by ARRA. Green Infrastructure projects must submit a complete loan application by September 15, 2009.** At MassDEP's discretion a project on the IUP that will not be ready to proceed during the Calendar Year can be replaced by the highest ranked proposal(s) on the Priority List that is ready to proceed at the time funds are freed up.

MassDEP has attempted to maximize the amount of financial assistance available for loans during the 2009 Funding Period. However, a number of drinking water projects are not scheduled for DWSRF financing at this time due to available funding and/or rating criteria considerations. In an effort to extend financial support to as many high ranked drinking water projects as possible, MassDEP has taken the following additional actions:

1. Established the limitation for the funding period on financial assistance to be 25% of the funds available on the IUP.
2. To ensure that funds committed are used in a timely manner and that those funded communities are in compliance with all of their enforcement requirements, MassDEP is making eligibility for financing contingent on compliance with the terms of any outstanding enforcement or Administrative Consent Order (ACO). A community not in full compliance with an enforcement order or an ACO by the close of the public comment period will be removed from the IUP Project Listing and the funding will be reallocated to other borrowers. In no case will a Project receive approvals necessary for the issuance of a loan agreement unless the community is in full compliance with enforcement or ACO requirements, as determined by MassDEP.

For 2009, projects are eligible for a variety of subsidized financing. Projects funded under ARRA will receive principal forgiveness that will make the effective rate of the loan less than 2%. Non-ARRA projects will receive a 2% interest rate loan. Carry-over projects from 2001 or earlier shall carry forward the subsidy level accorded the project at the time of listing. Other projects may have differing subsidy level as provided for by law.

## **7.0 Project Priority List**

A project priority list is an enumeration and ranking of potential drinking water projects in the State. This project priority list is derived from new applicants expressing an interest to be included for funding. The evaluation and ranking of these projects was conducted based upon information solicited and submitted to MassDEP within the proponents' Project Evaluation Forms (PEF). This project information was then rated and ranked according to MassDEP's 2009 Project Rating Score Sheet consistent with the criteria contained within MassDEP's regulations governing financial assistance. The proposed 2009 Drinking Water Project Priority List follows in Table 2.

## **8.0 Development of the IUP Project Listing**

The 2009 IUP Project Listing was developed based upon the following five-step process:

- Rate and rank the projects based on the information submitted and its relative impact on public health protection, improved compliance, affordability, and programmatic considerations, all as contained within the Commonwealth's priority ranking system.
- Evaluate the amount of financing requested by each community including the application of limitation on financial assistance.
- Identify the sources and spending limits for available DWSRF funds; and
- List in ranked order those projects ready to proceed in the Funding Period up to the amount of available DWSRF funding.
- Review resultant Project Listing to determine compliance with the 15% small system requirement.

To be considered for funding, projects must meet State and Federal eligibility requirements, must be ready to proceed during the funding period and have appropriated local funds necessary to finance the project.

Eligibility includes consistency with the assurances described in this document and the requirements contained within MassDEP's financial assistance regulations. Periodically, projects on the Project Priority List (Table 2) may have higher priority point totals than the projects on the IUP Project Listing (Table 1). That occurs because those particular projects on the Project Priority List are not ready to proceed. An important indicator of readiness to proceed is that a project has completed the State Environmental Review Process (SERP).

In the event that MassDEP must choose between two or more projects having the same priority point value, MassDEP shall rank the projects in order of the highest rating for public health criteria, and, if the same, highest affordability rating, and, if still the same, highest population at risk.

## **9.0 Small Systems**

EPA requirements direct the States to provide at least 15% of the 2009 DWSRF grant amount to be used for the financing of small water supply systems (i.e. serving a population of less than 10,000). The

proposed grant for 2009 is \$21,813,000. Fifteen percent of that amount is \$3,271,950. Five (5) projects totaling \$20,874,417, or over 95% of the 2009 grant, are included on the Final 2009 IUP.

### ***10.0 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 funding period. Project(s) bypassed will be replaced by the highest ranked priority project(s) on the Project Priority List that are ready to proceed or the funds may be used for cost increases to other projects previously approved. As previously stated, complete project applications not received nor expected to be received by MassDEP by the appropriate deadline will be automatically considered for bypassing.

### ***11.0 Certification for Priority***

To be considered for funding priority, communities must have appropriated the necessary local project funds or have committed to a schedule to **obtain those funds by June 30, 2009**. Also, complete applications must be submitted to MassDEP at the earliest possible time, **but not later than October 15, 2009**. A complete application must contain the local funding authorization and the required supporting documentation. Any project not meeting these deadlines will be removed from the IUP Project Listing.

For projects using ARRA funds, the above schedule has been shortened to ensure that projects are under construction by February 17, 2010. By August 3, 2009, any applicant seeking ARRA funds must submit to MassDEP evidence of the appropriation of local project funds, final plans and specifications, all necessary permits and a completed loan application. For Green Infrastructure projects, the deadline is September 15, 2009.

Furthermore, no community can receive financial assistance unless it can demonstrate that it has adequate, technical, financial and managerial capacity, as approved by MassDEP.

All projects submitted for funding are reviewed to assure general conformance with Water Quality Management Plans and other applicable water resource management plans.

### ***12.0 Drinking Water Set-Aside Work Plan***

The complete work plan for the Drinking Water Set-Asides is included in this IUP as Attachment A. The attached work plan is for the 2009 Drinking Water capitalization grant. For the ARRA Drinking Water capitalization grant, MassDEP intends to use the entire 4% administrative set-aside and at this time will forego the 2% Small System and 10% State Program Management Set-Asides, although MassDEP reserves the right to draw against these amounts in a future grant if the need arises.

### ***13.0 Assurances and Special Conditions***

MassDEP agrees to comply with the Federal program requirements as outlined in the Operating Agreement between EPA and the Commonwealth of Massachusetts.

**TABLE 2  
DRINKING WATER STATE REVOLVING FUND  
Calendar 2009 DWSRF Project Priority List**

**NEW PROJECTS**

Rating	Applicant	PWSID	Pop.	SRF ID	Project	Project Cost
112.3	FALL RIVER	4095000	94000	3225	Water System Improvements Phase 9	\$3,159,500
107.7	BARNSTABLE	4020004	34000	3222	Hyannis Water Supply System Improvements	\$13,204,000
105.4	LAWRENCE #	3149000	70207	3217	Water Distribution System Improvements	\$2,710,000
103.4	WOBURN #	3347000	37615	3212	Water System Improvements WTP & Storage Tank	\$24,500,000
97.5	FRAMINGHAM	3100000	67610	3211	New Water Treatment Plant	\$39,180,000
94.5	HOLDEN	2134000	15701	3188	Water System Improvements	\$2,459,000
93.7	PITTSFIELD	1236000	45793	3185	Water System Improvements - Coltsville	\$1,850,000
92.7	PITTSFIELD	1236000	45793	3288	Water System Improvements - SCADA	\$1,393,000
92.3	MWRA	6000000	2360000	3210	NIH Redundancy & Storage	\$86,541,000
92.0	NORTHAMPTON	1214000	29300	3184	Wells Improvement	\$695,000
87.5	LAKEVILLE	4146014	9821	3226	New Water Main and Water Storage Tank	\$4,800,000
84.1	*WELLFLEET	4318094	675	3229	Water System Expansion	\$5,972,000
82.1	WEST SPRINGFIELD #	1325000	27537	3183	Water Transmission Main Replacement	\$9,503,000
80.5	PEABODY #	3229000	50043	3218	Well 12A Water Treatment Plant	\$2,500,000
76.0	*SPENCER	2280000	7037	3192	Water System Improvements	\$6,613,000
71.1	*CHARLTON	2054***	11263	3284	North Main St. Water Distribution System Improve	\$2,003,000
70.5	QUINCY WATER DEPT. (MWRA)	3243000	90352	3213	Water System Infrastructure Rehab	\$14,929,000
69.6	*HADLEY #	1117002	5003	3186	Installation of Tank Mixing Systems	\$407,450
69.2	*WINCHENDON	2343000	5600	3193	Water Distribution and Storage Tank Improvements	\$2,311,000
67.2	WESTFORD	3330000	15853	3216	WTP Improvements and Water Main Construction	\$3,240,000
65.6	*LUNENBURG	2162000	5835	3190	Well Land Water Main Construction	\$4,460,500

**The following projects were not selected for funding**

62.9	TRI-TOWN WATER BOARD	4040002	25	3228	New Regional Water Treatment Plant	\$42,476,000
61.3	BILLERICA	3031000	38981	3214	Distribution System Improvements	\$5,419,000
60.0	*ASSABET WATER COMPANY, INC.	2286001	400	3187	Install New Water System in Lower Village, Stow	\$1,302,200
59.5	BROCKTON	4044000	95304	3224	Water System Improvements	\$10,950,000

57.2	ATTLEBORO	4016000	42068	3221	Oak Hill Standpipe Rehab	\$1,360,000
52.0	CLINTON	2064000	13435	3189	New Water Storage Tank	\$1,594,000
50.0	*BACHELOR KNOLLS INC.	1111000	101	3180	New Well Construction	\$190,700
48.0	BRIDGEWATER	4042000	25000	3223	High St. Water Treatment Plant	\$4,380,000
39.4	*RAYNHAM CENTER WATER DISTRICT	4245000	9768	3227	New Water Treatment Plant	\$4,500,000
35.4	*RUTLAND	2257000	4982	3191	Water Storage Tank	\$2,750,000
28.2	HAVERHILL	3128000	49570	3219	Water Treatment Plant & Distribution System Improv	\$1,383,000
24.8	*LEICESTER GARDEN APARTMENTS	2151003	60	3286	Connection to Municipal Water	\$101,310
14.2	HAVERHILL	3128000	49570	3220	Hilldale Ave. Water Main Extension	\$650,000

**TOTAL OF NEW PROJECTS** **\$309,486,660**

(Count: 35)

(Average Rating: 70.75)

\* Indicates Small System

**MassDEP PRIORITY PROJECTS**

Applicant	SRF ID	Project	Project Cost
EMERGENCY SRF SET-A-SIDE	2978		\$2,000,000

**TOTAL OF MassDEP PRIORITY PROJECTS** **\$2,000,000**

(Count: 1)

**MULTI-YEAR CARRYOVER AND STATUTORY PROJECTS**

Applicant	PWSID	Pop.	SRF ID	Project	Project Cost
ABINGTON/ROCKLAND JOINT WATER WORKS	4001000	32946	2929	Water Main Replacement and Storage Tanks	\$7,788,000
ABINGTON/ROCKLAND JOINT WATER WORKS	4001000	33397	3114	Residual Handling Facilities	\$4,090,000
AMESBURY	3007000	16450	3162	Water Mains, Pump Station, and Water Tank Upgrades	\$6,298,350
AMESBURY	3007000	16450	3159	Water Treatment Plant Upgrade	\$18,033,140
ASSABET WATER COMPANY, INC.	2286001	400	3109	Install New Water System in Lower Village, Stow	\$1,600,000
BRIDGEWATER	4042000	24000	3116	Replacement of Water Mains	\$1,245,850
CENTERVILLE-OSTERVILLE-MARSTONS MILLS FIRE DISTRICT	4020002	56000	3115	Water Storage Tank Replacement	\$3,590,000
COHASSET #	4065000	6521	1992	System Wide Capital Improvement Program	\$8,485,005
DEERFIELD FIRE DISTRICT	1074000	1202	3070	Water Storage Tank & Distribution System Improv.	\$1,119,730
EAST BRIDGEWATER	4083000	14046	2995	WTP Construction and Water Main Replacement	\$14,150,000

FALL RIVER	4095000	94000	3118	Water System Improvements - Phase 8	\$3,375,000
HOLBROOK	4133000	10785	3150	Distribution System Improvements	\$9,350,000
LEOMINSTER	2153000	42678	3111	New Water Treatment Plant and System Upgrades	\$19,260,000
LOWELL	3160000	106980	3037	Water System Rehabilitation and Improvement	\$16,895,000
MONSON	1191000	4223	3034	Water Dist., Storage Tank & Well Improvements	\$1,811,000
MWRA	6000000	2360000	1680	Southern Spine Distribution Mains	\$41,785,754
MWRA	6000000	2360000	2868	Spot Pond Mains, Rehabilitation Etc.	\$68,499,200
MWRA	6000000	2360000	3048	Lower Hultman Aqueduct Rehabilitation	\$57,970,000
MWRA	6000000	2360000	3049	New Connecting Mains	\$47,808,200
MWRA	6000000	2360000	3160	NHS - Revere & Malden Pipeline	\$9,052,000
MWRA	6000000	2360000	3050	Northern Low Service Area Rehabilitation	\$16,978,840
MWRA	6000000	2360000	3156	Weston Aqueduct Supply Main 3	\$57,920,500
MWRA	6000000	2360000	1679	Blue Hills Covered Storage	\$37,766,275
NEEDHAM	3199000	30397	3157	Rehab Water Main/Hydrants/Services	\$1,900,000
RANDOLPH	4244000	30069	3149	Water System Improvements	\$4,229,500
SALISBURY	3259000	20000	3069	Water Storage Tank Replacement	\$3,000,000
SALISBURY #	3259000	20000	3158	Rabbit Road Water Main Replacement	\$1,560,000
SOUTH GRAFTON WATER DISTRICT	2110001	2890	3112	Pump Station Upgrade for Filtration	\$1,760,000
SOUTHBRIDGE	2278000	16961	2994	Water Treatment Plant Improvements	\$2,515,000
STOCKBRIDGE	1283003	2800	3098	Water Storage Tank & Main Street Water Mains	\$4,270,000
SWANSEA WATER DISTRICT	4292000	17100	2892	New WTF / Palmer River Desalination Project	\$19,227,677
TAUNTON	4293000	56923	3120	Water System Improvements 2009 (2008)	\$6,000,000
WOBURN	3347000	37615	3052	Water Treatment Plant Construction	\$22,270,000

**TOTAL OF MULTI-YEAR CARRYOVER AND STATUTORY PROJECTS** **\$521,604,021**

(Count: 33)

**PLANNING PROJECTS**

Applicant	SRF ID	Project	Project Cost
BOXBOROUGH	3285	Drinking Water Resource CMP	\$250,000

**TOTAL OF PLANNING PROJECTS** **\$250,000**

(Count: 1)

**GREEN INFRASTRUCTURE PROJECTS**

Applicant	PWSID	Pop.	SRF ID	Project	Project Cost
ASHLAND	3014000	16340	3305	Energy Efficiency and Photovoltaic Installation	\$486,353
CHELMSFORD	3056000	25394	3315	Solar Photovoltaic Installation	\$3,783,000

EASTON	4088000	23289	3316 Solar Photovoltaic Installation	\$350,000
FALMOUTH	4096000	77500	3302 Solar Photovoltaic System Installation	\$105,000
LEE	1150000	5103	3304 Energy Efficiency, Hydroelectric and Photovoltaic	\$801,000
MWRA	6000000	2360000	3311 MWRA John J. Carroll WTP Photovoltaic Installation	\$5,100,000
MWRA	6000000	2360000	3310 Loring Road Photovoltaic Installation	\$1,525,000
NEW BEDFORD	4201000	96856	3306 Energy Efficiency and Photovoltaic Installation	\$2,590,000
TOWNSEND	2299000	6223	3314 Energy Efficiency and Photovoltaic Installation WT	\$325,000
WORCESTER	2348000	175454	3303 Energy Mgmt, Hydroelectric and Photovoltaic	\$1,434,000

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**TOTAL OF GREEN INFRASTRUCTURE PROJECTS** **\$16,499,353**

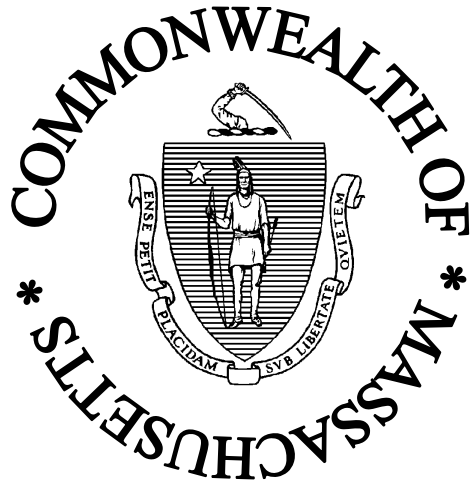
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**TOTAL OF PROJECT PRIORITY LIST** **\$849,840,034**

# Removed from consideration at the proponent's request.

# ATTACHMENT A





**DRINKING WATER  
STATE REVOLVING FUND  
(DWSRF)**

Final Intended Use Plan  
For Fiscal Year 2009 Set-aside Funds  
Authorized Under the Federal  
Safe Drinking Water Act

April 3, 2009

**DRINKING WATER STATE REVOLVING  
FUND PROGRAM**

**MASSACHUSETTS INTENDED USE PLAN FOR  
SET-ASIDE FUNDING ACTIVITIES  
TO BE SUPPORTED BY FEDERAL FISCAL YEAR 2009  
FUNDING**

**April 3, 2009**

**I. 4% FOR ADMINISTRATION – 8 FTEs**

**A. MANAGE DWSRF COORDINATION** of Projects and Liaison with the Massachusetts Water Pollution Abatement Trust.

**B. OVERSEE ADMINISTRATION AND MANAGEMENT** of the DWSRF Project 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, including the Leak Detection and Conservation Capacity Improvement Program.

**C. SUPPORT, CONDUCT, AND ANALYZE PROJECT APPLICATIONS AND PROJECT REVIEWS**, and administer the 15% Set-Aside Leak Detection and Water Conservation Capacity Improvement Grants.

**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 – 3 FTEs

In 2009, MassDEP anticipates applying for the full 2% small systems technical assistance set-aside. This set-aside is restricted to use for small systems technical assistance.

**A. STAFFING TO SUPPORT MUNICIPAL SERVICES** in providing technical assistance in support of Small System Capacity Development – 3 FTEs.

Staff will continue to be provided in the regions to follow up with individual small systems on specific compliance issues and other system operation issues.

**B. CONTRACTED SERVICES:** Third Party Technical Assistance to Public Water Systems

The funds designated in this section provide for continued operation of the existing third party technical assistance contract or implementation of a new contract. Work provided under that contract is described below. The technical assistance provider (contractor) will provide one-on-one site visits or capacity sanitary surveys to “priority one” (noncompliant) small community and non-community systems, and to small systems personnel. Training visits will be a minimum of 4 hours. They will cover SRF application assistance (or assistance in applying for other financial opportunities), financial planning, cross connections, source and distribution protection, operator certification, sample collection, consumer outreach reporting, sample schedules, violations response. They will also address selection of appropriate technologies for small systems needs (including the development of a database on appropriate small system treatment technologies and protocols). In addition, they will cover assistance with specific small system compliance-related water quality problems, and assistance on technical problems identified in a CCE or Sanitary Survey.

The technical assistance provider will develop and deliver group training seminars for priority two (hard to reach) community and non-community systems. Typical examples are listed below:

- Seminars on water utility rate setting
- Seminars on performing energy audits and evaluations.
- Seminars on distribution and source protection.
- Seminars on consumer outreach and reporting as well as use of the Internet as a source of drinking water information.
- Seminars on sample schedules and violations response.
- Seminars on new SDWA rules.
- Provide operator certification training seminars (with certification credits) for Small System Operators, especially on new and existing SDWA requirements such as SOC/IOC monitoring requirements, public notification requirements, distribution system maintenance, water treatment topics, capacity development, small systems variances and exemptions, and the SRF process.

MassDEP will develop lists of priority water systems to receive this assistance. Contractors will be provided these lists and will be asked to recruit as well as track the progress of all public water supplies they work with.

**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  
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.  
Perform Comprehensive Performance Evaluations (CPEs) for surface water treatment plants.  
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 is given as scheduled.  
Each group seminar and one-on-one assistance session will be preceded and followed by an evaluation form to be filled out by participants to assess the efficacy of the session. 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. Evaluation of mentoring cooperatives will be based on the sustainability and perpetuation of the mentoring groups.  
Reports reviewed as scheduled.

### **III. 10% FOR STATE PROGRAM MANAGEMENT – 18.00 FTEs**

#### **A. CONTINUE CAPACITY ASSURANCE – 5.0 FTEs**

In the early approaches to Capacity, MassDEP designated specific staff as capacity specialists. This was effective in developing the elements of the Capacity Assurance program. As time has passed, the Drinking Water Program has discerned that it is more productive to train all staff that do Sanitary Surveys in the elements of Capacity Assurance, and to integrate the former capacity specialists into that activity and other general drinking water activities related to assessment, development, and assurance of capacity. The Drinking Water Program has also instituted several capacity implementation activities as described under the 15% local Assistance Set-Aside.

#### **B. CONTINUE TO FUND SOURCE PROTECTION PROGRAM – 3 FTEs**

With the conclusion of the SWAP Assessments, the Source Protection function has been integrated into the general drinking water program activities. MassDEP is still funding 3 FTEs worth of this work from the 10% set-aside, but the source protection tasks are now distributed among more individuals and reaching more PWS.

#### **C. PWSS SUPPORT – 9 FTEs**

1. Review engineering plans and specifications for construction of public water supply facilities, perform compliance and enforcement activities relating to the Massachusetts Drinking Water Regulations and provide technical assistance to public water suppliers
2. Continue to support the Drinking Water Program by providing administrative assistance to all Drinking Water Program staff.
3. Support the Drinking Water Program by providing legal assistance to DWP staff in matters related to SDWA Primacy.
4. Provide assistance in implementation of the Surface Water Treatment Rule (SWTR), coordinating tracking of the SWTR activities, and assisting with related guideline revision. Review new technology, establishing and updating New Technology List, reviewing new technology projects within MassDEP fee time guidelines. Assist in Lead and Copper Rule implementation through DPH lead coordination, lead and copper tracking, and coordinating with MassDEP Regions. Implement Groundwater Rule. Coordinate vending machine and bottled water activities of DWP. Coordinate DWP point of entry/point of use treatment activities. Coordinate Ground Waters Under the Influence of Surface Waters (GWUI) activities with DW SRF Staff in the MassDEP Regions. Coordinate Comprehensive Performance Evaluations (CPE) with DEP Staff. Review variances and exemptions. Continue implementation of the Arsenic Rule and Stage II Disinfectants Rule. Coordinate emergency planning and response activity.

5. Coordinate management of Water Quality Assurance data. Maintain and enhance Water Quality Testing System (WQTS), assign and oversee work of ITO Oracle programmer manage MassDEP SDWIS Data, coordinate Disinfection Byproducts Rule efforts, coordinate monitoring and reporting, and coordinate work and issues between the Drinking Water Program and laboratories.
6. Support the Drinking Water Program and the Capacity Assurance Program by providing database development/enhancement and web site management and general source protection support. It is critical that MassDEP be able to develop web site materials that meet EPA requirements for making drinking water information public, and that it provide an efficient, pleasing, clear way for the public, the regulated community and others to obtain information. Create tools to facilitate program tracking and organization. Support the Drinking Water Program by developing protection-related guidance materials and ensuring that they are readily available. Review source protection plans and provide source protection technical assistance. Assist in Drinking Water Awards Program and other Capacity-related activities. Provide outreach to PWS.
7. **CONTRACTED SERVICES**  
MassDEP will continue to fund the infrastructure improvements at the Wall Experiment Station.

**D. CONTINUE** to support the SDWA Small System Public Water System Classification and Operator Certification Programs. – 1 FTE

This work is now expanded by being included among general Drinking Water program responsibilities. The activities are now distributed among more individuals. The Massachusetts Drinking Water Program has a very active program that ranges from chairing the Board of Certification of Drinking Water Operators to providing general and specialized training of and guidance for drinking water operators at all levels. In particular, training opportunities are being provided for operators of small systems. MassDEP is beginning this year to supply more active guidance for Contracted Operators.

The program also works closely with Boards of Health in identifying and registering new PWS, as well as with the Board of Certification in assuring operator compliance.

**E. MassDEP INDIRECT CHARGES ON MATCH FOR 10% PROGRAM MANAGEMENT ACTIVITIES**

The Commonwealth intends to completely meet the one-to-one match required through in-kind services incurred by MassDEP through the administration costs that were incurred during the periods of fiscal years 1993 and 2008. Detailed documentation will be provided upon request.

### **10% Set-Aside Deliverables**

Coordination and evaluation of statewide Capacity Development work products  
Implementation of financial review protocols  
Training sessions for regional Capacity Development activities  
Capacity Assessments and Capacity Compliance Schedules during Sanitary Surveys.  
Capacity reviews in Source Approval process  
Audit of financial information for up to 20% of PWS  
Liaison for third party TA and mobilization  
Data entry and tracking  
Compliance evaluations and schedules for 20% of all TNCs  
Training schedules for TA providers  
Reports  
Coordination of Certified Operator Training contract  
On-site training and support to Water Suppliers  
Public Water System-specific protection recommendations  
Improved GIS coverages for watershed protection  
Hydrogeologic reviews  
Technical assistance meetings, approved water supply protection plans, outreach materials.  
Spatial data, maps.  
Set-asides data updates  
SWTR tracking system and records  
Revised SWTR guidelines  
Updated new technologies list  
Lead and copper tracking system and records  
WQTS/SDWIS reports and data downloads  
User training for WQA data system  
Quarterly WQTS EMAIL newsletter  
Plan for state implementation of Disinfection Byproducts Rule  
Regulations, policy, and guidance for Disinfection Byproducts Rule.  
Disinfection Byproducts Rule training for DWP staff and PWSs  
Post annual SDWA compliance report as required by EPA.  
Capacity Assurance Program databases; eventually incorporate into WQTS.  
Continue to post CCR program information on Internet.  
Continue to maintain and update Drinking Water Program web site design, links, etc.  
Continue to classify public water systems and facilities.  
Review and approve training courses for training contact hour ratings  
Review and approve staffing plans for public water systems  
Implement and update enforcement strategy.

### **10% Set-Aside Measures of Success:**

Capacity is improved  
Regional staff produce coordinated work on capacity evaluations  
Technical, financial, and managerial capacity of targeted systems improves, or systems without TMF capacity are absorbed by other systems with adequate capacity

Reviews and reports are complete and are produced in a timely manner to meet all EPA SDWA deadlines

New and updated Surface Water Supply Protection Plans are approved

Local source protection efforts are implemented at surface PWS sources

Program is well thought out and revised as necessary

Technical assistance is appropriate and timely and leads to improved source protection in the systems visited/assessed

Protection of Public Water Supplies is enhanced

GIS databases are properly reviewed and maintained

SWAP assessments, reports and maps are conducted on new or newly identified PWS

Data management systems allows upload of NIMS as required

Set-aside system is developed and implemented

Project system is developed and implemented

SWTR activities are coordinated

SWTR guidelines are revised

New technology proposals are reviewed within MassDEP Fee and Permit timelines

Lead and Copper Rule work is coordinated

Vending machine and bottled water activities are coordinated

Point of Entry/Point of Use treatment activities are coordinated.

GWUI and CPE activities are coordinated.

WQTS and SDWIS are successfully coordinated

WQTS Newsletter published quarterly

DBP Rule is implemented in Massachusetts

Monitoring is coordinated

Laboratory certification for new contaminants is coordinated

WQA-related laboratory issues are coordinated

Drinking Water Web site is clear, easy to use and understand.

EPA regulatory requirements for CCR and annual compliance report are met.

Individual program databases support web postings in an efficient manner and easily link to WQTS.

Links to relevant drinking water information is easy to find from MassDEP home page.

Sources of information are appropriate and maintained.

Public water systems and facilities are classified and entered into WQTS on an ongoing basis.

A list of all training courses is developed

All public water systems have an approved staffing plan

An effective enforcement strategy is developed and kept current with emerging rules and changing conditions.

## **IV. 15% FOR LOCAL ASSISTANCE - 15 FTEs**

### **Wellhead Protection and Capacity Implementation**

#### **A. STAFFING – 10 FTEs**

1. 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.
2. 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.
3. Assist in Zone II delineation (and re-delineation as needed) and other wellhead protection-related work.
4. 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.
5. 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.
6. Provide assistance, primarily with protection of groundwater sources.

#### **B. CONTRACTED SERVICES**

Capacity Development - MassDEP proposes to fund third-party contractor to complete some of the following Capacity Development activities; Provide support and review of (quality assurance/quality control) of Water Quality Assurance database. Provide general administrative assistance to Drinking Water Program. Provide assistance in implementation and coordination of the Wellhead Protection Program, Surface Water Treatment Rule (SWTR), Ground Water Rule, Lead and Copper Rule, POU/POE, new technology evaluations, Arsenic Rule and Stage II Disinfectants Rule. Coordinate Comprehensive Performance Evaluations (CPE) with DEP Staff. Review variances and exemptions. Maintain and enhance water quality testing system as it relates to SDWIS database.

## **C. GRANTS:**

### **1. Water Conservation Program**

\$800,000 will be used to continue providing local assistance grants that support capacity development through water conservation programs, including leak detection.

### **2. Capacity Development**

\$200,000 in grant funds will be used to improve the technical, financial and managerial (capacity development) operation of water systems through the funding of costs associated with planning.

### **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 grant program.

### **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

**V. STATUS OF FY 1997 THROUGH FY 2008 SET-ASIDE FUNDS**

**(Please Note: FY 1997-FY 2003 Set-Aside Funds Have Been Expended)**

	FFY04	FFY05	FFY06	FFY07	FFY08	Total By Set- Aside	Minus Proj P/R & Related Costs	*Minus Proj. Costs (Not Encumbered.)	Minus Encumbrances to Date (10/28/08)	Net Available
<b>Administration - 4%</b>			\$	\$ 160,081.13	872,520.00	\$ 1,032,601.13	\$ (836,500.00)		\$ (0)	\$ 196,101.13
<b>Small Systems – 2%</b>				\$ 405,731.28	\$436,260.00	\$ 841,991.28	\$ (329,200.00)		\$ (256,689.77)	\$ 256,101.51
<b>State Management 10%</b>	\$ 432,169.68	\$ 1,656,445.02		\$ 1,673,992.61	\$2,181,300.00	\$ 5,943,907.31	\$ (1,800,000.00)	\$(2,088,614.70)	\$ (166,196.03)	\$ 1,889,096.58
<b>Local – 15%</b>			\$ 513,086.96	\$ 3,305,400.00	\$3,271,950.00	\$ 7,090,436.96	\$ (1,100,000.00)	\$(1,227,900.00)	\$(1,557,738.24)	\$3,204,798.72
<b>Total Available</b>	\$ 432,169.68	\$ 1,656,445.02	\$ 513,086.96	\$ 5,545,205.02	\$ 6,762,030.00	\$14,908,936.68	\$ (4,065,700.00)	\$(3,316,514.70)	\$(1,980,624.04 )	\$5,546,097.94

# IUP SET-ASIDE BUDGET BASED ON FFY 2009 FUNDING LEVEL

**This Budget equals 22 % of the Cap Grant and 71 % of all allowable Set-Asides.**

**Administration Set-Aside – 4%**

**Total Available: \$872,520**

PURPOSE	AMOUNT REQUESTED
Staff	\$ 871,520
Support	<u>\$ 1,000</u>
<b>TOTAL REQUESTED (100% of available Set-Aside)</b>	<b>\$ 872,520</b>

**Small Systems Set-Aside - 2%**

**Total Available: \$436,260**

PURPOSE	AMOUNTS REQUESTED
Staff	\$ 316,296
Support	\$ 657
Contracts	<u>\$ 119,307</u>
<b>TOTAL REQUESTED (100% of available Set-Asides)</b>	<b>\$ 436,260</b>

**State Program Management Set-Aside – 10%**

**Total Available: \$ 2,181,300**

PURPOSE	AMOUNTS REQUESTED
Staff	\$2,102,310
Support	<u>\$ 25,733</u>
<b>TOTAL PROJECTED 2009 EXPENSES</b>	<b>\$2,128,043</b>
<b>TOTAL UNEXPENDED PRIOR YEAR FUNDS TO BE USED</b>	<b><u>\$1,000,000</u></b>
<b>TOTAL 2009 FUNDS REQUESTED (52% of available Set-Aside)</b>	<b>\$1,128,043</b>

**Local Assistance Set-Aside – 15%**

**Total Available: \$3,271,950**

PURPOSE	AMOUNTS REQUESTED
Staff	\$1,104,510
Support	\$ 8,187
Grants	\$1,000,000
Contracts	<u>\$ 227,900</u>
<b>TOTAL PROJECTED 2009 EXPENSES</b>	<b>\$2,340,597</b>
<b>TOTAL UNEXPENDED PRIOR YEAR FUNDS TO BE USED</b>	<b><u>\$ 0</u></b>
<b>TOTAL 2009 FUNDS REQUESTED (72% of available Set-Aside)</b>	<b>\$2,340,597</b>

<b>TOTAL REQUESTED FOR ALL FFY 2009 SET-ASIDES</b>	<b><u>\$4,777,420</u></b>
<b>TOTAL REQUESTED FROM PRIOR YEAR UNEXPENDED FUNDS</b>	<b>\$ 1,000,000</b>
<b>TOTAL OF FFY 2009 DW SRF SET-ASIDES PLUS PRIOR FUNDS</b>	<b>\$ 5,777,420</b>