

Massachusetts Department of Environmental Protection

Summary Report for the Water Conservation Grant Program

January 2005 –April 2010

Prepared by:

Malcolm M. Harper, Program Coordinator

Bureau of Resource Protection

Division of Municipal Services

Steven J. McCurdy, Director

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Water Conservation Grant Program January 2005 – April 2010

Introduction

The Massachusetts Department of Environmental Protection – Bureau of Resource Protection (MassDEP) is pleased to present this summary report on the progress of the first five years of the Water Conservation Grant Program. This program (initially named the Water Loss Prevention Grant Program during the first three years) was developed in support of the 1996 Safe Drinking Water Act Amendments and funded by the Drinking Water State Revolving Fund Set-Asides.

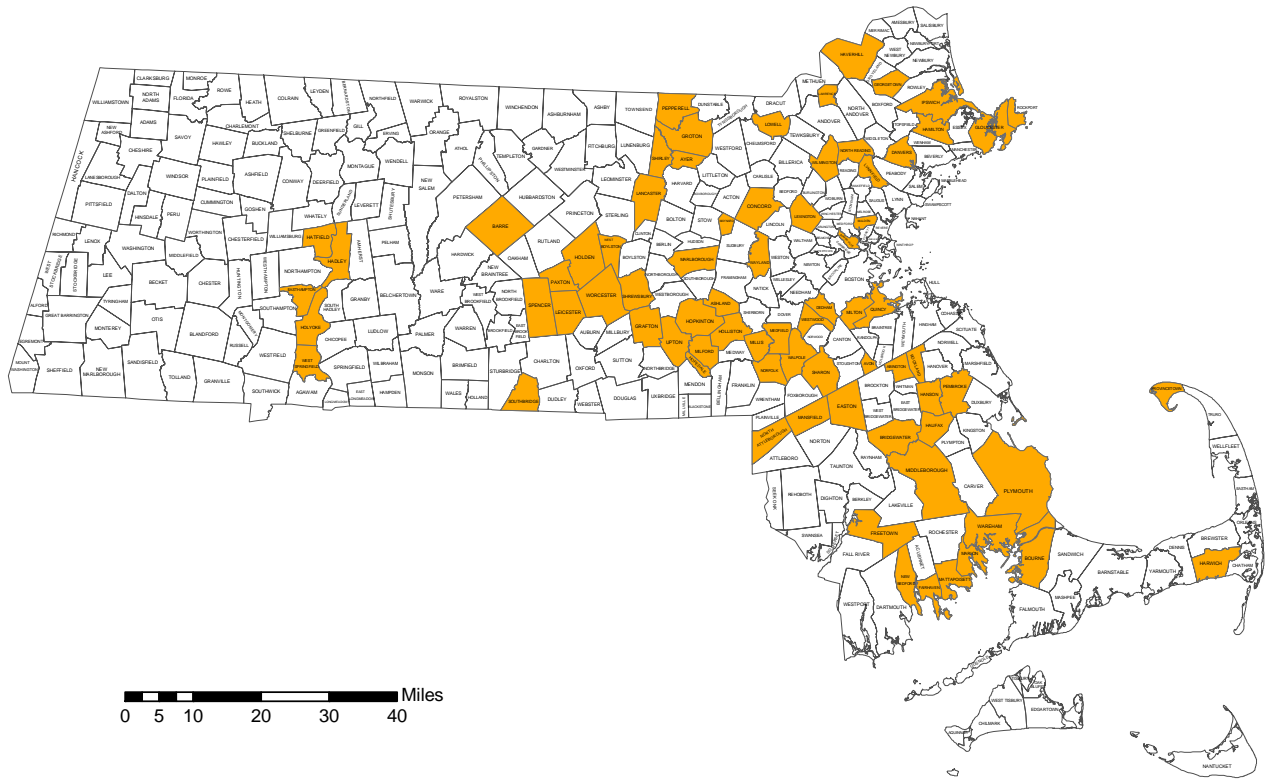
This report quantifies some of the Water Conservation Grant Program's direct and positive impact on the quantity and quality of drinking water supplies in Massachusetts. The reduction in demand in local watersheds as a result of the financial assistance provided by the MassDEP has improved the technical, financial, and managerial operations of public water systems as well as local environmental conditions. Massachusetts Water Policy also emphasizes water conservation to help maintain the natural hydrologic balance in local watersheds; for more information on *Keeping Water Local* visit <http://www.mass.gov/dep/water/local.htm>.

The Water Conservation Grant Program provides matching funds to assist public water systems or municipalities to encourage and enhance local drinking water conservation efforts through water conservation education and outreach programs, water audits, leak detection surveys, and other water conservation-related projects. The Water Conservation Grant Program was developed in part to help address a growing need for public water systems to better address high usage rates and unaccounted-for water losses, and in part to provide financial relief from unintended costs from Water Management Act requirements. Recent water shortages have reminded communities and water systems that water loss prevention and improved efficiency is vital for ensuring safe, reliable, and efficient services for water system customers and for meeting environmental goals.

Progress To Date

- Total grant program savings-to-date represent 1,330,000,000 gallons of drinking water saved—worth over \$1,000,000 in pumping and water treatment costs.
- Seventy-five different public water systems in Massachusetts have participated or are still participating in the program.
- Forty-three projects include educational outreach efforts such as the implementation of formal water conservation plans.
- Over the past three years the grant program has supported the purchase of sophisticated leak detection equipment for a total of nine different public water systems. In turn these systems have committed to sharing this equipment with an additional twenty-one public water systems.

Communities Served by the MassDEP Water Conservation Grant Program



DEP Grant Communities

Typical Grant Supported Activities

WATER AUDITS

Water audits balance the volume of drinking water produced with the volume billed, and account for the remaining water (loss). Comprehensive audits can give a public water system a detailed profile of the distribution system and its water users, allowing more effective management of resources and improved reliability. It is an important step toward water conservation that can save the utility a significant amount of treatment, pumping, and labor costs.

LEAK DETECTION

Leak detection surveys lead to reduced water losses, financial improvement, increased knowledge of the distribution system, more efficient use of existing supplies, safeguarding public health and property, improved public relations, reduced legal liability, and reduced disruption to customers. Water that is lost after treatment, but before delivery to customers, is money and energy wasted. Grant funds are used to conduct comprehensive leak detection surveys of entire systems followed by prioritized leak repair (i.e., 3 gpm leaks repaired within one month of detection). Grant funds can be used to purchase leak detection equipment if appropriately justified and provided the equipment will be shared with other community water systems.

PUBLIC OUTREACH AND EDUCATION PROGRAMS

Water conservation- related public outreach and education programs generate and promote an awareness of the long-term economic and environmental benefits of water conservation. Educational efforts can include working with schools, producing local cable or newspaper announcements, distributing water conservation education information, and teaching low water use concepts to agricultural, commercial, industrial, and residential consumers. Public water systems can initiate water conservation programs that may include universal metering, water accounting and loss control, costing and pricing, consumer information and education, water-use audits, water-use regulation, and integrated resource management.

WATER CONSERVATION DEVICES AND REBATE PROGRAMS

In an effort to initiate long term reductions in water usage, the grant program supports the retrofitting of water intensive fixtures with low-flow alternatives. Low-flow retrofit equipment and water saving devices (i.e., low-flow toilets) and local rebate programs for replacing low-flow appliances are eligible for grant reimbursement. For example, if ten houses were retrofitted with low-flow showerheads, each could save an average of three gallons per shower over the old showerheads. If each house had an average of three occupants, then these houses would save a combined total of 90 gallons per day.

RATE STUDIES

Water Rate Studies for the purpose of establishing increasing block water rates to assure appropriate revenues to support maintenance needs and capital projects for improvements to the water works system are another tool available to reduce water usage. Rate studies must include a plan for adoption and implementation of recommendations by the overseeing authority.

SUPPLEMENTAL PROJECT ACTIVITY

During FFY2008 the MassDEP also provided the Bureau of Waste Prevention (BWP) with a \$50,000 grant to help underwrite part of their Sustainability Program. This support for the BWP's Sustainability Grant Program enabled the distribution of 2,155 water conservation kits and 4,813 rain barrels. Extended over the course of five years the savings from the BWP sustainability project adds up to 43,000,000 gallons of water worth \$200,000 at the average state water rates (Table 3).

Table 1 – Summary of Program Elements

Number of Projects with the Following Program Elements:	2004	2005	2006	2007	2008	Totals
Water Audits	12	10	9	12	17	60
Leak Detection Surveys and Follow-Up Leak Repairs	15	10	12	12	22	71
Purchases of Leak Detection Equipment	1*		2	3	4	10
Implement Conservation Rate Structures	1*	1*			6	8
Water Conservation Education and Outreach Efforts	4	6	7	14	12	43
GIS	1*					1
Individual Water Audits for Industrial and Commercial Customers*	1		1			2
Water Meter Evaluation, Testing, Calibration, Repair, Sizing, and/or Replacement*	6		5	4	5	20
Replace Service Meters*	2	2	4	4	5	17
Replace Distribution Meters*				2		2
Replace Distribution Valves*		2				2
Municipal Fixture Retrofits	1*		1	5	1	8
Rebates for Toilet Retrofits			1	3	2	6
Rebates for Appliance Retrofits			1	2	1	4
WaterSense Faucet Distribution				1		1
Retrofit Kits Distributed				2	5	7
Irrigation Equipment Retrofit					2	2

** These program activities, such as replacing meters, were not eligible for grant reimbursement but have been presented as part of a match.*

Results to Date FFY2004- 2008

- Grants of up to \$40,000 were awarded to eligible public water systems and municipalities during the first three years of the program. Grants of up to \$50,000 were made available for FFY2007 and up to \$60,000 for FFY2008.
- During the first five years of the program, federal fiscal years 2004 through 2008, MassDEP has funded 90 of 139 eligible proposals received.
 - FFY2004 \$400,000 was awarded to 14 projects
 - FFY2005 \$400,000 was awarded to 11 projects
 - FFY2006 \$446,000 was awarded to 15 projects
 - FFY2007 \$662,397 was awarded to 21 projects
 - FFY2008 \$1,000,000 was awarded to 23 projects
- The 25% match required of all grantees (cash, or in-kind services and materials) has leveraged an additional \$1,405,000 in match.

- The current totals from the leak detection efforts include 650 leaks found and 574 repaired (an ongoing process) representing 1,249,000,000 gallons of water saved—worth \$684,000 in pumping and water treatment costs (Table 2).
- Rebates and retrofits, to replace water intensive devices and fixtures with low-flow alternatives, also yield considerable savings. Extrapolating the savings from local rebate programs and plumbing retrofits over the course of five years, not atypical of the lifespan of such retrofits, yields a projected savings of over 81,000,000 gallons of drinking water—the equivalent of \$320,000 in pumping and water treatment costs (Table 3).

Table 2 – Savings from Leak Detection Surveys and Repair

Project Number	Grantee	Miles Surveyed	Percent of System Surveyed	Number of Leaks Found	Number of Leaks Repaired	Gallons Saved From Leak Repairs (assumed to have accrued over 1 year's time)	Cost to Pump and Treat the Volume of Water Saved	Percentage of Annual Production Saved
04-01 WLP	Millis	42	100	3	1	11,000,000	3,900	4%
04-02 WLP	Walpole	149	100	18	14	17,000,000	8,500	2%
04-03 WLP	W. Boylston	53	100	16	16	41,000,000	\$21,000	17%
04-04 WLP	Halifax	60	100	3	3	1,600,000	\$400	<1%
04-05 WLP	Barre	23	100	8	8	12,000,000	\$8,200	9%
04-06 WLP	Avon	42.5	100	27	27	13,000,000	\$8,000	7%
04-07 WLP	Worcester	300	50	14	7	40,000,000	\$4,378	<1%
04-08 WLP	DOC	22	100	2	1	15,800,000	\$5,800	
04-09 WLP	Milford Water Co	102	100	6	6	33,000,000	\$14,000	3%
04-10 WLP	Lynnfield	23.5	50	1	1	3,000,000	12,000	<1%
04-11 WLP	Wilmington	126	100	5	5	1,600,000	6,000	<1%
04-12 WLP	Ashland	148	100	34	34	13,000,000	\$10,000	<2%
04-13 WLP	W.Springfield	100	90	16	16	23,700,000	\$7,350	<2%
04-14 WLP	Holyoke	212	100	39	14	127,000,000	\$17,000	5%
05-01 WLP	Easton	161	100	6	6	8,400,000	\$1,850	1%
05-03 WLP	Hamilton	52	100	3	3	4,400,000	\$2,610	2%
05-04 WLP	Grafton WD	75	100	13	13	46,000,000	\$18,700	11%
05-05 WLP	Upton	32	100	5	5	9,500,000	\$4,000	7%
05-06 WLP	Georgetown	64	100	3	3	22,000,000	\$12,869	9%
05-07 WLP	N. Attleboro	128	100	51	51	118,000,000	\$45,000	
05-08 WLP	Southbridge	78	100	8	8	23,000,000	\$6,200	4%
05-09 WLP	Gloucester	140	100	2	2	23,000,000	\$11,000	2%
05-10 WLP	Rockport	41	100	3	3	23,000,000	\$15,000	10%
05-11 WLP	Mattapoissett	55	100	0	0	0	\$0	0
05-12 WLP	Ipswich	94	100	6	5	8,400,000	\$3,800	2%
06-01 WLP	Millis	42	100	1	1	1,600,000	\$590	<1%

06-02 WLP	Groton	42	100	2	2	357,000	\$2,856	<1%
06-03 WLP	DedhamWest wood	200	100	23	23	77,300,000	\$33,239	5%
06-04 WLP	Plymouth	210	100	27	26	51,500,000	\$14,400	3%
06-05 WLP	Bridgewater	130	100	2	2	1,500,000	\$6,220	<1%
06-06 WLP	Medfield	80	100	20	20	48,000,000	\$19,300	19.5
06-07 WLP	Fairhaven	100	100	13	13	7,600,000	\$3,800	2
06-08 WLP	Marion	90	100	14	14	7,900,000	\$5,500	3
06-10 WLP	Lancaster	45	100	7	7	13,700,000	\$2,700	6
06-12 WLP	Holliston	114	100	11	8	20,000,000	\$10,600	5
06-13 WLP	Paxton	40	100	2	2	6,800,000	\$30,000	6
06-14 WLP	Hatfield	38	100	7	5	6,900,000	\$1,700	6
07-01 WCG	Hadley	65	100	9	8	3,500,000	\$1,300	1.5
07-02 WCG	Wareham	160	100	7	7	10,500,000	\$809	1.5
07-04 WCG	Concord	60	100	3	3	11,000,000	\$19,600	1.5
07-05 WCG	Norfolk	57	100	7	7	35,000,000	\$13,000	15
07-06 WCG	MiddleBoro	126	100	17	17	21,000,000	\$10,400	4
07-07 WCG	Haverhill	223	100	7	7	60,000,000	\$17,400	3
07-10 WCG	DOC	22	100	6	4	12,100,000	\$4,500	
07-11 WCG	Pembroke	120	100	11	5	13,100,000	\$7,450	2.5
07-13 WCG	New Bedford	286	100	113	92	58,000,000	\$30,000	1.3
07-14 WCG	W. Boylston	53	100	15	15	32,700,000	\$15,800	15
07-15 WCG	Lexington	158	100	2	2	12,100,000	\$30,000	<1%
08-02 WCG	Hanson	70	100	7	7	10,500,000	\$7,500	4.5
08-08 WCG	Malden	120	100	11	11	40,000,000	\$95,500,	2
08-12 WCG	Onset Fire District	41	100	4	4	15,500,000	\$4,800	7.5
08-15 WCG	Marlborough	139	100	5	5	24,700,000	\$44,500	1
08-22 WCG	Buzzard Bay WD	53	100	5	5	7,900,000	\$3,000	4.5
TOTALS		5207		650	574	1,249,157,000	\$684,021	

Table 3 – Savings from Retro-Fits and Rebate Programs

Participating Public Water System	Number of Low-Flow Toilets or Urinals Retrofitted	Electronic Toilet Control Retrofits	WaterSense Certified Faucet Retrofits	Low-Flow Shower Retrofits	Energy Star <i>and</i> CEE Certified Appliance Retrofits	Water Conservation Based Repairs	\$10 Rain Barrel Discounts	Gallons of Water Saved Over Five Years	Value of Water Saved Over Five Years
DOC 04-08/WLP	12	150	300	100				0	0
Groton 06-02/WLP					25			1,130,000	\$1,800
Bridgewater 06-05/WLP						7		1,800,000	\$7,200
MWRA 07-03/WCG	351							18,000,000	\$85,000
Concord	122				60			7,000,000	\$12,000

07-04/WCG									
Sharon 07-09/WCG	29				151			195,000	\$737
Danvers 07-12/WCG	18		8	2	89			2,300,000	\$11,000
New Bedford 07-13/WCG				207				900,000	\$500
Hopedale 07-16/WCG	2			20				67,000	\$30
Shrewsbury 07-18/WCG			200					6,500,000	0
Pepperell 07-20/WCG	50							963,000	\$738
BWP-BRP Project			1,050				4,813	43,000,000	\$200,000
TOTALS	584	150	1,558	329	325	7	4,813	81,855,000	\$320,000

Additional Water Conservation Grant Project-Related Activities

Millis 04-01/WLP	33 Commercial Meters Evaluated for Proper Size
Walpole 04-02/WLP	10 Service Meters Replaced
	15 Master Meters Calibrated
W. Boylston WD 04-03/WLP	265 Service Meters Replaced
Halifax 04-04/WLP	2 Master Meters Calibrated
Barre 04-05/WLP	3 Master Meters Calibrated, 225 Service Meters Replaced
Avon 04-06/WLP	1 Master Meter Replaced
Worcester 04-07/WLP	9 Finish Water Meters Calibrated
	100 Commercial Meters Tested, 10 Repaired
Milford 04-09/WLP	24 Commercial Meters Tested
	9 Commercial Meters Repaired/Calibrated
Wilmington 04-11/WLP	8 Master Meters Calibrated
	5 Commercial Meters Evaluated For Proper Size
	9 Audits for Largest Metered Industrial Customers
West Springfield 04-12/WLP	Developed GIS Database of Transmission Main
Easton 05-01/WLP	Presented Water Conservation Seminar
Grafton WD 05-04/WLP	11 Water Audits for Individual Large Water Users
Upton 05-05/WLP	Master Meter Calibrated
N. Attleborough 05-07/WLP	240 Service Meters Replaced
Gloucester 05-09/WLP	26 Distribution Valves Replaced
Millis 06-01/WLP	Implemented Landscape Irrigation Demonstration Project
	6 Master Meters Calibrated
	Workshop for Top 14 Largest Water Customers
Groton 06-02/WLP	Two Commercial Meters Replaced
Plymouth 06-04/WLP	Top 50 Largest Service Meters Tested, 3 Replaced
Medfield 06-06/WLP	502 Service Meters Replaced
Fairhaven 06-07/WLP	60 Residential and Commercial Meters Tested
Marion 06-08/WLP	45 Service Meters Tested
Ayer 06-09/WLP	91 Service Meters Replaced
Lancaster 06-10/WLP	116 Service Meters Replaced
Hatfield 06-14/WLP	5 Largest Water Customers Meters Evaluated for Size
Hadley 07-01/WCG	55 Service Meters Replaced
MWRA 07-03/WCG	17,000 Faucet Aerators Distributed
	8,595 Low-Flow Showerheads Distributed
Holden 07-08/WCG	4 Source Meters Calibrated
Sharon 07-09/WCG	2 Weather Based Irrigation Controllers Installed
DOC 07-10/WCG	7 Steam Traps Replaced Reducing Heating System Makeup Water
Pembroke 07-11/WCG	Replaced Raw Water Meter
West Boylston WD 07-14/WCG	64 Service Meters Replaced
Hopedale 07-16/WCG	159 Service Meters Replaced
Hanson 08-02/WCG	22 Service Meters Tested
Onset Fire District 08-12/WCG	52 Service Meters Replaced
Buzzards Bay WD 08-22/WCG	62 Service Meters Tested

* Meter replacement, testing, etc. costs are not eligible for grant reimbursement but have been presented as part of a match.

Active and Completed Projects

PROJECT TITLE: Millis Water Loss Prevention Grant Project, 04-01/WLP
Grantee: Town of Millis
Watershed: Charles River Basin
Status: 100% Complete

PROJECT TITLE: Walpole Water Loss Prevention Grant Project, 04-02/WLP
Grantee: Town of Walpole
Watershed: Charles River and Boston Harbor Basins
Status: 100% Complete

PROJECT TITLE: West Boylston Water Loss Prevention Grant Project, 04-03/WLP
Grantee: West Boylston Water District
Watershed: Nashua River Basin
Status: 100% Complete

PROJECT TITLE: Halifax Water Loss Prevention Grant Project, 04-04/WLP
Grantee: Town of Halifax,
Watershed: Taunton River Basin
Status: 100% Complete

PROJECT TITLE: Barre Water Loss Prevention Grant Project, 04-05/WLP
Grantee: Town of Barre
Watershed: Chicopee River Basin
Status: 100% Complete

PROJECT TITLE: Avon Water Loss Prevention Grant Project, 04-06/WLP
Grantee: Town of Avon
Watershed: Taunton River Basin
Status: 100% Complete

PROJECT TITLE: Worcester Water Loss Prevention Grant Project, 04-07/WLP
Grantee: City of Worcester
Watershed: Blackstone and Nashua Basins
Status: 100% Complete

PROJECT TITLE: Dept. of Correction Water Loss Prevention Project, 04-08/WLP
Grantee: Massachusetts Department of Correction
Watershed: Taunton, Charles, Nashua, and South Coastal Basins
Status: 100% Complete

PROJECT TITLE: Milford Water Loss Prevention Grant Project, 04-09/WLP
Grantee: Milford Water Company
Watershed: Charles River Basin
Status: 100% Complete

PROJECT TITLE: Lynnfield Center Water Loss Prevention Grant Project, 04-10/WLP
Grantee: Lynnfield Center Water District
Watershed: Ipswich and North Coastal Basins
Status: 100% Complete

PROJECT TITLE: Wilmington Water Loss Prevention Grant Project, 04-11/WLP
Grantee: Town of Wilmington
Watershed: Ipswich River Basin
Status: 100% Complete

PROJECT TITLE: Ashland and Hopkinton Water Loss Grant Project, 04-12/WLP
Grantee: Town of Ashland
Watershed: Sudbury, Charles, and Blackstone River Basins
Status: 100% Complete

PROJECT TITLE: West Springfield Water Loss Prevention Grant Project 04-13 WLP
Grantee: Town of West Springfield
Watershed: Connecticut River Basin
Status: 100% Complete

PROJECT TITLE: Holyoke Water Loss Prevention Grant Project, 04-14/WLP
Grantee: City of Holyoke
Watershed: Connecticut River Basin
Status: 100% Complete

PROJECT TITLE: Easton Water Loss Prevention Grant Project, 05-01/WLP
Grantee: Town of Easton
Watershed: Taunton River Basin
Status: 100% Complete

PROJECT TITLE: Salem Water Loss Prevention Grant Project, 05-02/WLP
Grantee: City of Salem
Watershed: Ipswich River Basin
Status: Declined Award

PROJECT TITLE: Hamilton Water Loss Prevention Grant Project, 05-03/WLP
Grantee: Town of Hamilton
Watershed: Ipswich River Basin
Status: 100% Complete

PROJECT TITLE: Grafton Water Loss Prevention Grant Project, 05-04/WLP
Grantee: Grafton Water District
Watershed: Blackstone River Watershed
Status: 100% Complete

PROJECT TITLE: Upton Water Loss Prevention Grant Project, 05-05/WLP
Grantee: Town of Upton
Watershed: Blackstone River Basin
Status: 100% Complete

PROJECT TITLE: Georgetown Water Loss Prevention Grant Project, 05-06/WLP
Grantee: Town of Georgetown
Watershed: Parker River Basin
Status: 100% Complete

PROJECT TITLE: N. Attleborough Water Loss Prevention Grant Project, 05-07/WLP
Grantee: Town of North Attleborough
Watershed: Blackstone and Ten Mile River Basins
Status: 100% Complete

PROJECT TITLE: Southbridge Water Loss Prevention Grant Project, 05-08/WLP
Grantee: Town of Southbridge
Watershed: Quinebaug River Basin
Status: 100% Complete

PROJECT TITLE: Gloucester Water Loss Prevention Grant Project, 05-09/WLP
Grantee: City of Gloucester
Watershed: North Coastal Basin
Status: 100% Complete

PROJECT TITLE: Rockport Water Loss Prevention Grant Project, 05-10/WLP
Grantee: Town of Rockport
Watershed: North Coastal Basin
Status: 100% Complete

PROJECT TITLE: Mattapoisett Water Loss Prevention Grant Project, 05-11/WLP
Grantee: Town of Mattapoisett
Watershed: Buzzards Bay Basin
Status: 100% Complete

PROJECT TITLE: Ipswich Water Loss Prevention Grant Project, 05-12/WLP
Grantee: Town of Ipswich
Watershed: Ipswich and Parker River Basins
Status: 100% Complete

PROJECT TITLE: Millis Water Loss Prevention Grant Project, 06-01/WLP
Grantee: Town of Millis
Watershed: Charles River Basin
Status: 100% Complete

PROJECT TITLE: Groton Water Loss Prevention Grant Project, 06-02/WLP
Grantee: Town of Groton
Watershed: Merrimack and Nashua Basins
Status: 100% Complete

PROJECT TITLE: Dedham-Westwood Water Loss Prevention Project, 06-03/WLP
Grantee: Dedham-Westwood Water District
Watershed: Charles and Neponset Basins
Status: 100% Complete

PROJECT TITLE: Plymouth Water Loss Prevention Grant Project, 06-04/WLP
Grantee: Town of Plymouth
Watershed: Buzzard's Bay and S. Coastal Basins
Status: 100% Complete

PROJECT TITLE: Bridgewater Water Loss Prevention Grant Project, 06-05/WLP
Grantee: Town of Bridgewater
Watershed: Taunton Basin
Status: 100% Complete

PROJECT TITLE: Medfield Water Loss Prevention Grant Project, 06-06/WLP
Grantee: Town of Medfield
Watershed: Neponset and Charles Basins
Status: 100% Complete

PROJECT TITLE: Fairhaven Water Loss Prevention Grant Project, 06-07/WLP
Grantee: Town of Fairhaven
Watershed: Buzzard's Bay
Status: 100% Complete

PROJECT TITLE: Marion Water Loss Prevention Grant Project, 06-08/WLP
 Grantee: Town of Marion
 Watershed: Buzzard's Bay
 Status: 100% Complete

PROJECT TITLE: Ayer Water Loss Prevention Grant Project, 06-09/WLP
 Grantee: Town of Ayer
 Watershed: Nashua and Merrimack Basins
 Status: 100% Complete

PROJECT TITLE: Lancaster Water Loss Prevention Grant Project, 06-10/WLP
 Grantee: Town of Lancaster
 Watershed: Nashua River Basin
 Status: 100% Complete

PROJECT TITLE: Plainville Water Loss Prevention Grant Project, 06-11/WLP
 Grantee: Town of Plainville
 Watershed: Taunton and Ten-Mile Basins
 Status: Declined Award

PROJECT TITLE: Holliston Water Loss Prevention Grant Project, 06-12/WLP
 Grantee: Town of Holliston
 Watershed: Charles River Basin
 Status: 100% Complete

PROJECT TITLE: Paxton Water Loss Prevention Grant Project, 06-13/WLP
 Grantee: Town of Paxton
 Watershed: Blackstone and Nashua River Basins
 Status: 100% Complete

PROJECT TITLE: Hatfield Water Loss Prevention Grant Project, 06-14/WLP
 Grantee: Town of Hatfield
 Watershed: Connecticut River Basin
 Status: 100% Complete

PROJECT TITLE: Hadley Water Conservation Grant Project, 07-01/WCG
 Grantee: Town of Hadley
 Watershed: Connecticut River Basin
 Status: 100% Complete

PROJECT TITLE: Wareham Water Conservation Grant Project, 07-02/WCG
 Grantee: Wareham Fire District
 Watershed: Buzzards Bay Basin
 Status: 100% Complete

PROJECT TITLE: MWRA Water Conservation Grant Project, 07-03/WCG
 Grantee: MWRA
 Watershed: Chicopee River Basin
 Status: 100% Complete

PROJECT TITLE: Concord Water Conservation Grant Project, 07-04/WCG
 Grantee: Town of Concord
 Watershed: SuAsCo River Basin
 Status: 100% Complete

PROJECT TITLE: Norfolk Water Conservation Grant Project, 07-05/WCG
Grantee: Town of Norfolk
Watershed: Charles River Basin
Status: 100% Complete

PROJECT TITLE: Middleborough Water Conservation Grant Project, 07-06/WCG
Grantee: Town of Middleborough
Watershed: Taunton River Basin
Status: 100% Complete

PROJECT TITLE: Haverhill Water Conservation Grant Project, 07-07/WCG
Grantee: City of Haverhill
Watershed: Merrimack River Basin
Status: 100% Complete

PROJECT TITLE: Holden Water Conservation Grant Project, 07-08/WCG
Grantee: Town of Holden
Watershed: Nashua & Blackstone River Basins
Status: 100% Complete

PROJECT TITLE: Sharon Water Conservation Grant Project, 07-09/WCG
Grantee: Town of Sharon
Watershed: Taunton and Neponset River Basins
Status: 100% Complete

PROJECT TITLE: Department of Correction Water Conservation Grant Project, 07-10/WCG
Grantee: Department of Correction
Watershed: Taunton/Buzzards Bay/Nashua/Charles River Basins
Status: 100% Complete

PROJECT TITLE: Pembroke Water Conservation Grant Project, 07-11/WCG
Grantee: Town of Pembroke
Watershed: South Coastal Basin
Status: 100% Complete

PROJECT TITLE: Danvers Water Conservation Grant Project, 07-12/WCG
Grantee: Town of Danvers
Watershed: Ipswich and N. Coastal Basins
Status: 100% Complete

PROJECT TITLE: New Bedford Water Conservation Grant Project, 07-13/WCG
Grantee: City of New Bedford
Watershed: Taunton River Basin
Status: 100% Complete

PROJECT TITLE: West Boylston Water Conservation Grant Project, 07-14/WCG
Grantee: Town of West Boylston
Watershed: Nashua River Basin
Status: 100% Complete

PROJECT TITLE: Lexington Water Conservation Grant Project, 07-15/WCG
Grantee: Town of Lexington
Watershed: SuAsCo Basin
Status: 100% Complete

PROJECT TITLE: Hopedale Water Conservation Grant Project, 07-16/WCG
 Grantee: Town of Hopedale
 Watershed: Blackstone and Charles Basins
 Status: 100% Complete

PROJECT TITLE: Freetown Water Conservation Grant Project, 07-17/WCG
 Grantee: Town of Freetown
 Watershed: Taunton River Basin
 Status: 100% Complete

PROJECT TITLE: Shrewsbury Water Conservation Grant Project, 07-18/WCG
 Grantee: Town of Shrewsbury
 Watershed: Blackstone and SuAsCo Basins
 Status: 100% Complete

PROJECT TITLE: Bridgewater Water Conservation Grant Project, 07-19/WCG
 Grantee: Town of Bridgewater
 Watershed: Taunton River Basin
 Status: Declined Award

PROJECT TITLE: Pepperell Water Conservation Grant Project, 07-20/WCG
 Grantee: Town of Pepperell
 Watershed: Nashua River Basin
 Status: 100% Complete

PROJECT TITLE: Bureau of Waste Prevention Sustainability Project
 Grantees: 42 municipalities
 Watershed: Statewide
 Status: 100% Complete

PROJECT TITLE: North Reading Water Conservation Grant Project, 08-01/WCG
 Grantee: Town of North Reading
 Watershed: Ipswich Basin
 Status: 40% Complete, to be completed by December 2010

PROJECT TITLE: Hanson Water Conservation Grant Project, 08-02/WCG
 Grantee: Town of Hanson
 Watershed: Taunton Basin
 Status: 90% Complete, to be completed by May 2010

PROJECT TITLE: Hopkinton Water Conservation Grant Project, 08-03/WCG
 Grantee: Town of Hopkinton
 Watershed: Blackstone, Charles, and SuAsCo Basins
 Status: 75% Complete, to be completed by July 2010

PROJECT TITLE: Harwich Water Conservation Grant Project, 08-04/WCG
 Grantee: Town of Harwich
 Watershed: Cape Cod Basin
 Status: 45% Complete, to be completed by May 2010

PROJECT TITLE: Walpole Water Conservation Grant Project, 08-05/WCG
 Grantee: Town of Walpole
 Watershed: Boston Harbor and Charles Basins
 Status: 90% Complete, to be completed by May 2010

PROJECT TITLE: Concord Water Conservation Grant Project, 08-06/WCG
Grantee: Town of Concord
Watershed: SuAsCo Basin
Status: 70% Complete, to be completed by July 2010

PROJECT TITLE: Quincy Water Conservation Grant Project, 08-07/WCG
Grantee: City of Quincy
Watershed: Boston Harbor Basin
Status: 75% Complete, to be completed by July 2010

PROJECT TITLE: Malden Water Conservation Grant Project, 08-08/WCG
Grantee: City of Malden
Watershed: Charles and North Coastal Basins
Status: 100% Complete

PROJECT TITLE: Wayland Water Conservation Grant Project, 08-09/WCG
Grantee: Town of Wayland
Watershed: Taunton Basin
Status: 25% Complete, to be completed by May 2010

PROJECT TITLE: Lowell Water Conservation Grant Project, 08-10/WCG
Grantee: City of Lowell
Watershed: Merrimack Basin
Status: 75% Complete, to be completed by August 2010

PROJECT TITLE: North Attleborough Water Conservation Grant Project, 08-11/WCG
Grantee: Town of North Attleborough
Watershed: Blackstone and 10-Mile Basins
Status: 50% Complete, to be completed by May 2010

PROJECT TITLE: Onset Water Conservation Grant Project, 08-12/WCG
Grantee: Onset Fire District
Watershed: Buzzards Bay
Status: 99% Complete, to be completed by May 2010

PROJECT TITLE: Milton Water Conservation Grant Project, 08-13/WCG
Grantee: Town of Milton
Watershed: Boston Harbor Basin
Status: 93% Complete, to be completed by July 2010

PROJECT TITLE: Cherry Valley & Rochdale Water Conservation Grant Project, 08-14/WCG
Grantee: Cherry Valley & Rochdale Water District
Watershed: French River Basin
Status: 75% Complete, to be completed by May 2010

PROJECT TITLE: Marlborough Water Conservation Grant Project, 08-15/WCG
Grantee: City of Marlborough
Watershed: SuAsCo Basin
Status: 90% Complete, to be completed by August 2010

PROJECT TITLE: N. Chelmsford Water Conservation Grant Project, 08-16/WCG
Grantee: North Chelmsford Water District
Watershed: Merrimack Basin
Status: 85% Complete, to be completed by May 2010

PROJECT TITLE: Holyoke Water Conservation Grant Project, 08-17/WCG
Grantee: City of Holyoke
Watershed: Connecticut Basin
Status: 45% Complete, to be completed by February 2011

PROJECT TITLE: Hatfield Water Conservation Grant Project, 08-18/WCG
Grantee: Town of Hatfield
Watershed: Connecticut Basin
Status: 55% Complete, to be completed by January 2011

PROJECT TITLE: Maynard Water Conservation Grant Project, 08-19/WCG
Grantee: Town of Maynard
Watershed: SuAsCo Basin
Status: 90% Complete, to be completed by August 2010

PROJECT TITLE: Easthampton Water Conservation Grant Project, 08-20/WCG
Grantee: City of Easthampton
Watershed: Connecticut Basin
Status: 25% Complete, to be completed by May 2010

PROJECT TITLE: Spencer Water Conservation Grant Project, 08-21/WCG
Grantee: Town of Spencer
Watershed: Chicopee and Nashua Basins
Status: 93% Complete, to be completed by August 2010

PROJECT TITLE: Buzzards Bay Water Conservation Grant Project, 08-22/WCG
Grantee: Buzzards Bay Water District
Watershed: Buzzards Bay Watershed
Status: 99% Complete, to be completed by May 2010

PROJECT TITLE: Wareham Water Conservation Grant Project, 08-23/WCG
Grantee: Wareham Fire District
Watershed: Buzzards Bay Watershed
Status: Declined Award

PROJECT TITLE: Gloucester Water Conservation Grant Project, 08-24/WCG
Grantee: City of Gloucester
Watershed: North Coastal Basin
Status: 40% Complete, to be completed by August 2010