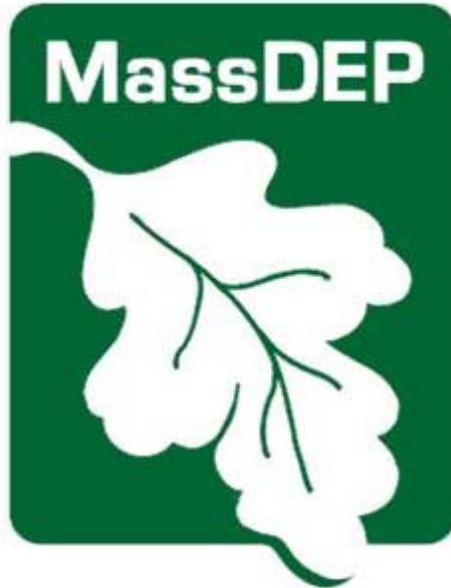


Massachusetts Department of Environmental Protection

Summary Report for the Water Conservation Grant Program



January 2004 – June 2013

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Water Conservation Grant Program January 2004 – June 2013

Introduction

The Massachusetts Department of Environmental Protection – Bureau of Resource Protection (MassDEP) is pleased to present this summary report on the Water Conservation Grant Program. This program (initially named the Water Loss Prevention Grant Program) was developed in support of the 1996 Safe Drinking Water Act Amendments and was funded by the Drinking Water State Revolving Fund Set-Asides, from federal fiscal year 2004 through 2010.

This report quantifies some of the Water Conservation Grant Program's direct and positive impacts on the quantity and quality of drinking water supplies in Massachusetts. The reduction in hydrological 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 emphasizes water conservation to help maintain the natural hydrologic balance in local watersheds; for more information please visit the Mass Water Policy Site: <http://www.mass.gov/eea/air-water-climate-change/preserving-water-resources/massachusetts-water-policy-2004.html>. In addition, information on the State Water Conservation Standards can be found at www.mass.gov/eea/docs/dcr/watersupply/intbasin/waterconservationstandards.pdf

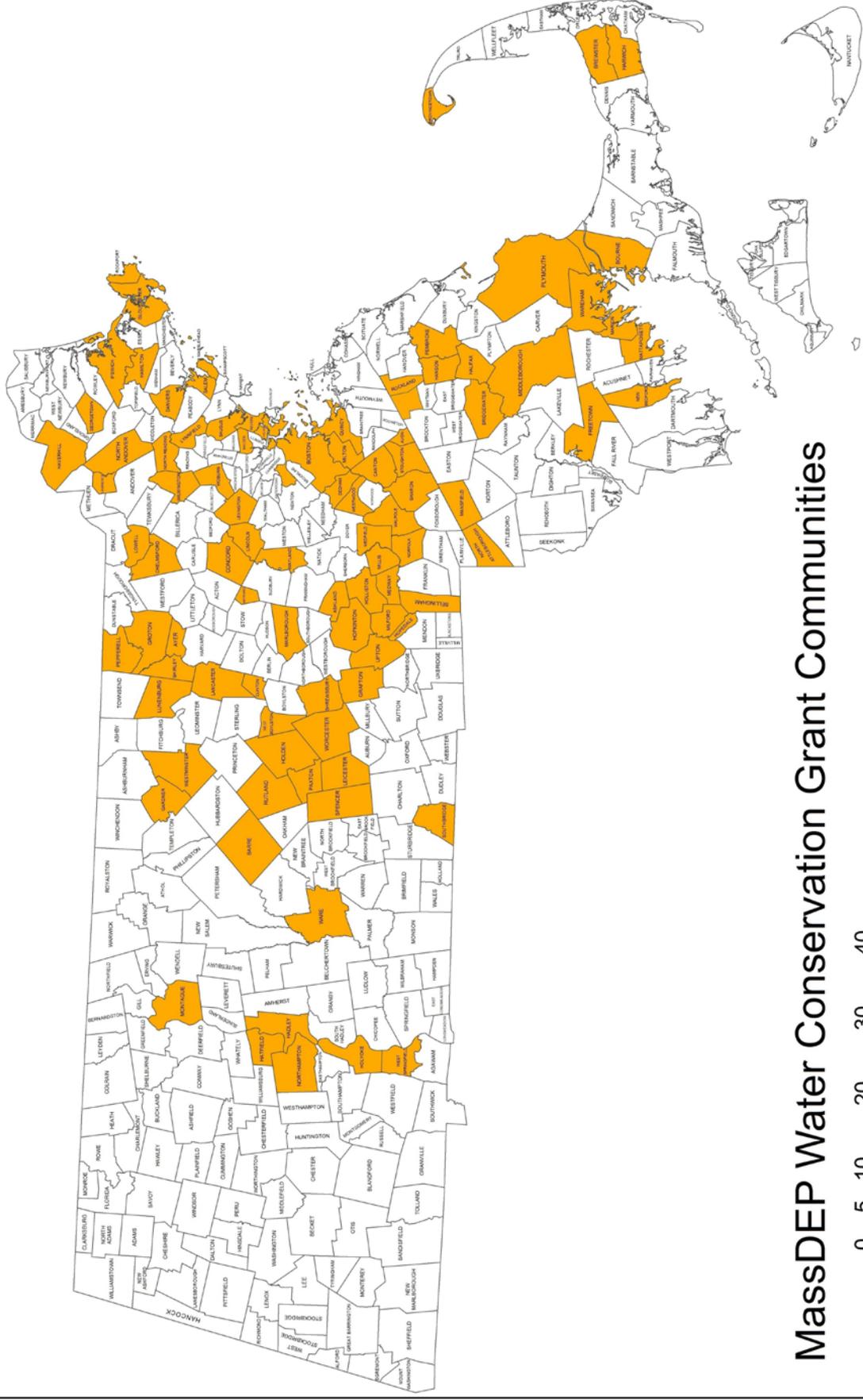
The Water Conservation Grant Program provided matching funds to assist public water systems and municipalities to encourage and enhance local drinking water conservation efforts through water conservation education and outreach programs, water audits, leak detection surveys, retrofits, and other water conservation-related projects. The 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 also 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.

The Water Conservation Program accomplishments described in this report are now being carried forward with the broader, more robust Sustainable Water Management Initiative (SWMI). As the MassDEP seeks to better implement the Water Management Act, SWMI offers two key components; the determination of safe yield and establishment of seasonal streamflow criteria for groundwater withdrawals, as determined by flow levels and biological categories as outlined in the SWMI framework. In support of this initiative, the Sustainable Water Management Grant Program (<http://www.mass.gov/eea/agencies/massdep/water/watersheds/sustainable-water-management-initiative-swmi.html>) will assist eligible public water suppliers by providing funds for integrated water management programs at the regional and municipal level.

Water Conservation Grant Program Progress

Over seven years, from 2004 through 2010, 92 different water municipalities and water districts across the Commonwealth were awarded grants to help support water conservation projects.

- Total grant program savings represent over 2.7 billion gallons of drinking water saved—worth over \$3,160,000 in pumping and treatment costs (for savings by watershed please see Attachment 6).
- One-hundred twenty-eight grants for a total of \$4,296,397 issued over the course of the program (for a complete list of grantees please see Attachment 5).
- Sixty-five projects included educational outreach efforts such as the implementation of formal water conservation plans.
- Over the past five years the grant program supported the purchase of sophisticated leak detection equipment for a total of sixteen different public water systems. In turn these systems committed to sharing this equipment with an additional twenty-five public water systems.



MassDEP Water Conservation 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 drinking water systems 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 were used to conduct comprehensive leak detection surveys of entire systems - followed by prioritized leak repair (i.e., 3 gallons per minute) leaks repaired within one month of detection). Grant funds were also used to purchase leak detection equipment provided the equipment is to 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 local schools, producing 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 supported 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 were 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 could 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 supported by the grant program had to have a plan for adoption and implementation of recommendations by the overseeing authority.

For list of the various grants supported activities please refer to Attachment 1. Please note that not all project activities resulted in quantifiable water savings but were presented as part of a required match to the grant award. These other activities are listed in Attachment 4. Please note the final FFY2010 projects ended on June 30, 2013.

Successes

- Grants of up to \$40,000 were awarded to eligible public water systems and municipalities during the first three years of the program, 2004-2006. Grants of up to \$50,000 were made available during 2007 and up to \$60,000 for 2008 through 2010.

- During the seven years of the program, 2004 through 2010, MassDEP funded 128 of 226 eligible proposals received, and provided a total of \$4,296,397 in grant awards.
- The 25% match required of all grantees (cash, or in-kind services and materials) leveraged an additional \$2,618,751 in matching contributions.
- The totals from the leak detection efforts include 1,181 leaks found and 1,046 leaks repaired representing 2,447,900,000 gallons of water saved—worth \$2,491,000 in pumping and water treatment costs (Attachment 2). Please note that not all leaks were immediately repaired upon discovery; some were far too small to justify opening up a roadway but were noted for repair during future roadway maintenance, some were located in older infrastructure scheduled for replacement, or some were located on the service side of a water valve and thus the customer's responsibility.
- Rebates and retrofits, to replace water intensive devices and fixtures with low-flow alternatives, promote 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, yielded a projected savings of approximately 267,400,000 gallons of drinking water—the equivalent of \$673,000 in pumping and treatment costs (Attachment 3).

Conclusions

Water conservation practices save municipalities water resources and money. During the course of the Water Conservation Grant program participating communities that implemented water conservation strategies were able to demonstrate quantifiable results. This translated into less water pumped from the source and reduced treatment, capital, and operating costs.

Results suggest that the more robust and successful efforts implemented multiple tools, from annual leak detection survey and water audits to retrofits and public outreach and education programs. Multi-faceted approaches provided the greatest conservation savings. Limiting conservation-related efforts on the supply side may miss opportunities to conserve resources and also may lead to higher usage rates if the cost for water is perceived to be low. This may be contravened if the conservation efforts include conservation-based water rates and a broad educational component. The cost for a water conservation approach incorporating public education can readily pay for itself. For example, some of the project communities, especially those with an active education component reported that their retrofit programs were very popular and in some cases oversubscribed. Such retrofit costs will yield significant savings that can continue for thirty years or more. A broad-based long-term water conservation program can successfully reduce costs and slow or reduce water demand.

Attachment 1: Summary of Program Elements

Number of Projects with the Following Program Elements:	2004	2005	2006	2007	2008	2009	2010	Totals
Water Audits	12	10	9	12	17	2	9	71
Leak Detection Surveys and Follow-Up Leak Repairs	15	10	12	12	22	10	22	103
Purchases of Leak Detection Equipment	2*		2	3	3	3	3	16
Develop and Implement Conservation-Based Water Rates	1*	1*			4	3	2	11
Water Conservation Education and Outreach Efforts including Water Conservation Plans	4	6	7	14	12	9	13	65
GIS	1*							1
Individual Water Audits for Industrial, Commercial, & Other High Usage Customers*	1		1			1		3
Water Meter Evaluation, Testing, Calibration, Repair, Sizing, and/or Replacement*	6		5	4	5	2	2	24
Replace Service Meters*	3	2	4	4	5		8	26
Replace Distribution Meters*				2				2
Replace Distribution Valves*		2						2
Municipal Plumbing Fixture Retrofits	1*		1	5	1	4	3	15
Rebates for Toilet Retrofits			1	3	2	5	6	17
Rebates for Appliance Retrofits			1	2	1	5	5	14
WaterSense Faucet Distribution				1			1	2
Retrofit Kits Distributed				3	5		2	10
Irrigation Equipment Retrofit					3	3	1	7
Integrated Water Management Plan*						1*		1

* Certain program activities such as replacing meters were not eligible for grant reimbursement but were eligible as a matching contribution.

Attachment 2: Total Savings from Leak Detection Surveys and Repair

Project Number	Grantee	Miles Surveyed	Percent of System Surveyed	Number of Leaks Found	Number Repaired	Gallons Saved From Leak Repairs	Value 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	47	100	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/Hopkinton	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	Mattapoisett	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	Dedham-Westwood	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
08-03/WCG	Hopkinton	72	100	2	2	13,400,000	\$12,400	21
08-04/WCG	Harwich	280	100	5	5	15,500,000	\$81,000	2
08-05/WCG	Walpole	150	100	2	2	4,200,000	\$3,300	<1%
08-07/WCG	Quincy	230	100	21	21	31,000,000	\$86,500	<1%
08-08/WCG	Malden	120	100	11	11	40,000,000	\$95,500	2
08-09/WCG	Wayland	100	100	15	15	127,000,000	\$91,600	22
08-10/WCG	Lowell	213	100	15	15	75,000,000	\$31,000	1.5
08-11/WCG	N. Attleboro	138	100	23	23	44,000,000	\$83,000	4.7
08-12/WCG	Onset FD	41	100	4	3	15,000,000	\$4,400	6.8
08-13/WCG	Milton	120	100	8	8	55,000,000	\$139,000	7.3
08-14/WCG	Cherry Valley	19	100	6	6	34,000,000	\$25,400	39
08-15/WCG	Marlborough	139	100	5	5	24,700,000	\$44,500	1
08-16/WCG	N. Chelmsford	40	100	1	1	526,000	\$315	<1%
08-17/WCG	Holyoke	103	50	8	8	40,000,000	\$7,700	2
08-19/WCG	Maynard	42	100	1	1	21,000,000	\$12,600	7
08-20/WCG	Easthampton	130	100	75	49	0	0	
08-21/WCG	Spencer	33	100	5	5	28,000,000	\$21,600	14
08-22/WCG	Buzzards Bay	53	100	5	5	7,900,000	\$3,000	4.5
08-24/WCG	Gloucester	140	100	2	2	1,000,000	\$500	<1%
09-01/WCG	Mansfield	139	100	11	11	9,600,000	\$4,900	<1%
09-02/WCG	N. Andover	145	100	12	8	37,300,000	\$20,500	5%
09-06/WCG	Georgetown	64	100	13	13	2,230,000	\$11,000	<1%
09-07/WCG	Lawrence	154	100	29	4	18,000,000	\$7,000	<1%
09-08/WCG	Provincetown	38	100	33	33	10,000,000	\$5,500	4
09-09/WCG	Abington	55	100	12	12	40,500,000	\$25,000	2.6
09-10/WCG	Rockland	55	100	5	5	9,100,000	\$5,600	<1%
09-11/WCG	Marlborough	171	100	11	11	35,900,000	\$250,000	2
09-12/WCG	New Bedford	286.5	100	19	17	117,000,000	\$64,000	3
09-13/WCG	Buzzards Bay	53	100	5	5	10,000,000	\$3,800	5.8
10-01/WCG	Easton	161	100	14	14	28,000,000	\$15,000	3.3
10-02/WCG	Lincoln	57	100	6	6	21,500,000	\$16,000	10.9
10-03/WCG	Rutland	27	100	1	1	5,200,000	\$3,050	<1%
10-04/WCG	Dedham Westwood	200	100	21	21	31,500,000	\$315,000	3.8
10-05/WCG	Medway	74	100	5	5	18,900,000	\$23,900	5.2
10-06/WCG	Stoughton	126	100	2	2	10,000,000	\$30,000	1
10-07/WCG	Wilmington	125	100	5	5	20,000,000	\$80,000	2.6

10-09/WCG	Canton	120	100	6	6	32,600,000	\$95,000	4.5
10-10/WCG	Ware	42	100	7	7	22,000,000	\$15,000	8
10-11/WCG	West Springfield	5	100	4	4	6,800,000	\$8,400	<1%
10-12/WCG	Turners Falls	57.5	100	6	6	30,400,000	\$6,100	9.7
10-13/WCG	Georgetown	64	100	20	20	1,000,000	\$6,300	<1%
10-14/WCG	Brewster	128	100	10	10	24,000,000	\$21,000	5.2
10-15/WCG	Norfolk	65	100	34	33	66,200,000	\$52,000	30
10-16/WCG	Gloucester	140	100	21	21	11,800,000	\$19,000	1.2
10-17/WCG	Clinton	56	100	3	3	5,300,000	\$2,400	<1%
10-19/WCG	Westminster	38	100	0	0	0	0	0
10-20/WCG	Spencer	30	100	0	0	0	0	0
10-21/WCG	Ashland	83	100	2	2	10,500,000	\$22,000	2.2
10-22/WCG	Lunenburg	45	100	5	5	5,300,000	\$3,200	3
10-23/WCG	Bellingham	109	100	15	15	57,000,000	\$42,000	
10-24/WCG	Concord	120	100	5	5	12,000,000	\$39,000	<1%
TOTALS		10,073.5		1,181	1,046	2,447,913,000	\$2,491,186	

Attachment 3: Total Savings from Retro-Fits and Rebate Programs

Participating Public Water System	Number of Low-Flow Toilets or Urinals Retrofitted	Toilet Control Retrofits	Faucet Retrofits	Low-Flow Shower Retrofits	Energy Star <i>and</i> CEE Certified Appliance Retrofits	Water Conservation Based Repairs	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					
Groton 06-02/WLP					25			1,130,000	\$9,000
Bridgewater 06-05/WLP						7		9,000,000	\$35,000
MWRA 07-03/WCG	351							18,000,000	\$85,000
Concord 07-04/WCG	122				60			7,000,000	\$12,000
Sharon 07-09/WCG	29				151			7,000,000	\$30,000
Danvers 07-12/WCG	18				89			2,000,000	\$11,000
New Bedford 07-13/WCG				207				900,000	\$500
Hopedale 07-16/WCG	2			20				67,000	\$30
Shrewsbury 07-18/WCG			150					440,000	\$150
Pepperell 07-20/WCG	50							960,000	\$738
BWP-BRP Project			1,050				4,813	43,000,000	\$150,000
Walpole 08-05/WCG	76				229			13,200,000	\$10,421
Concord 08-06/WCG	120							6,000,000	\$5,700
N. Attleboro 08-11/WCG	77		109	1				1,300,000	\$6,500
Mansfield 09-01/WCG	154			67	353			54,000,000	\$23,000
N. Andover 09-02/WCG			40					2,000,000	\$3,500
Bridgewater 09-03/WCG	71		15		51			8,000,000	\$32,000
Danvers 09-04/WCG	139				143			33,600,000	\$19,000
Sharon 9-05/WCG	179	71	200		221			17,000,000	\$86,100
Georgetown 09-06/WCG	10				20			1,500,000	\$7,400
New Bedford 09-12/WCG	17		27					1,300,000	\$700
Dedham-Westwood 10-04/WCG	60				87			1,400,000	\$14,000
Stoughton 10-06/WCG	153				134			12,000,000	\$37,000
Canton	179	21			129			12,300,000	\$35,600

10-09/WCG									
Georgetown 10-13/WCG	21	28			44			2,700,000	\$13,000
Northampton 10-18/WCG	35							1,400,000	\$2,000
Lunenburg 10-22/WCG	48							2,200,000	\$1,300
Concord 10-24/WCG	68		8		21			5,000,000	\$27,500
Salem 10-25/WCG	53		55					3,000,000	\$15,000
TOTALS	2,044	270	1,954	395	1,757	7	4,813	267,397,000	\$673,139

Attachment 4: Additional Water Conservation 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
DOC 04-08/WLP	3 Source Meters Evaluated
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 04-13/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	1 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	Three Commercial Meters Replaced
	Two Workshops for Top Institutional Water Customers
Plymouth 06-04/WLP	Top 50 Largest Service Meters Tested, 3 Replaced
Medfield 06-06/WLP	502 Service Meters Replaced
Fairhaven 06-07/WLP	61 Residential and Commercial Meters Tested
Marion 06-08/WLP	50 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 07-14/WCG	64 Service Meters Replaced
Hopedale 07-16/WCG	159 Service Meters Replaced
Hanson 08-02/WCG	22 Service Meters Tested
	1 Master Meter Calibrated
Concord 08-06/WCG	Outreach to 8 Commercial Water Users
Malden 08-08/WCG	14 Service Meters Tested
Wayland 08-09/WCG	6 Master Meters Calibrated
	66 Service Meters Replaced
Lowell 08-10/WCG	500 Commercial/Industrial Meters Replaced
North Attleborough 08-11/WCG	31 Irrigation System Rain Sensor Switches Distributed
Onset Fire District 08-12/WCG	52 Service Meters Replaced
	1 Master Meter Calibrated
Milton 08-13/WCG	Adopted Progressive Water Rates

Cherry Valley 08-14/WCG	30 Service Meters Replaced 48 Service Meters Replaced 1 Master Meter Calibrated
Hatfield 08-18/WCG	64 Service Meters Replaced 3 Master Meters Calibrated
Maynard 08-19/WCG	5 Master Meters Calibrated
Easthampton 08-20/WCG	450 Service Meters Replaced
Spencer 08-21/WCG	2 Master Meters Calibrated Adopted New Progressive Water Rates
Buzzards Bay WD 08-22/WCG	4 Master Meters Calibrated 115 Service Meters Replaced
Mansfield 09-01/WCG	110 Service Meters Replaced 2 Irrigation System Sensors Installed
N. Andover 09-02/WCG	28 Large Service Meters Surveyed 13 Large Service Meters Calibrated
Sharon 09-05/WCG	8 Low-Flow Pre-Rinse Kitchen Nozzles Installed
Lincoln 10-02/WCG	32 Service Meters Replaced
Dedham-Westwood 10-04/WCG	1,180 Service Meters Replaced
Medway 10-05/WCG	132 Service Meters Replaced
Stoughton 10-06/WCG	1,000 Faucet Aerators Distributed 550 Low-Flow Showerheads Distributed 8 Dual Flush Retrofit Kits Distributed
Wilmington 10-07/WCG	14 Commercial Meters Tested
Canton 10-09/WCG	1,100 Faucet Aerators Distributed 600 Low-Flow Showerheads Distributed 21 Dual Flush Retrofit Kits Distributed
Turners Falls 10-12/WCG	43 Service Meters Replaced
Georgetown 10-13/WCG	95 Service Meters Replaced
Brewster 10-14/WCG	384 Service Meters Replaced
Clinton 10-17/WCG	111 Service Meters Replaced
Northampton 10-18/WCG	272 Service Meters Replaced
Westminster 10-19/WCG	12 Water Audits for Industrial/Agricultural Water Users
Spencer 10-20/WCG	Developed New Water Rate 14 Service Meters Replaced
Ashland 10-21/WCG	80 Service Meters Replaced

* Meter replacement, testing, etc. costs were not eligible for grant reimbursement but were eligible as a matching contribution.

Attachment 5: Recipients, Project Titles, Awards, and Project Watersheds

2004

PROJECT TITLE: Millis Water Loss Prevention Grant Project, 04-01/WLP
Grantee: Town of Millis
Grant Amount: \$31,600
Watershed: Charles River Basin

PROJECT TITLE: Walpole Water Loss Prevention Grant Project, 04-02/WLP
Grantee: Town of Walpole
Grant Amount: \$40,000
Watershed: Boston Harbor Basin

PROJECT TITLE: West Boylston Water Loss Prevention Grant Project, 04-03/WLP
Grantee: West Boylston Water District
Grant Amount: \$30,050
Watershed: Nashua River Basin

PROJECT TITLE: Halifax Water Loss Prevention Grant Project, 04-04/WLP
Grantee: Town of Halifax
Grant Amount: \$39,000
Watershed: Taunton River Basin

PROJECT TITLE: Barre Water Loss Prevention Grant Project, 04-05/WLP
Grantee: Town of Barre
Grant Amount: \$39,000
Watershed: Chicopee River Basin

PROJECT TITLE: Avon Water Loss Prevention Grant Project, 04-06/WLP
Grantee: Town of Avon
Grant Amount: \$23,000
Watershed: Taunton River Basin

PROJECT TITLE: Worcester Water Loss Prevention Grant Project, 04-07/WLP
Grantee: City of Worcester
Grant Amount: \$14,000
Watershed: Blackstone and Nashua Basins

PROJECT TITLE: Dept. of Correction Water Loss Prevention Project, 04-08/WLP
Grantee: Massachusetts Department of Correction
Grant Amount: \$31,000
Watershed: Taunton, Charles, Nashua, and South Coastal Basins

PROJECT TITLE: Milford Water Loss Prevention Grant Project, 04-09/WLP
Grantee: Milford Water Company
Grant Amount: \$12,300
Watershed: Charles River Basin

PROJECT TITLE: Lynnfield Center Water Loss Prevention Grant Project, 04-10/WLP
Grantee: Lynnfield Center Water District
Grant Amount: \$24,000
Watershed: Ipswich and North Coastal Basins

PROJECT TITLE: Wilmington Water Loss Prevention Grant Project, 04-11/WLP
Grantee: Town of Wilmington
Grant Amount: \$23,050
Watershed: Ipswich River Basin

PROJECT TITLE: Ashland and Hopkinton Water Loss Grant Project, 04-12/WLP
Grantee: Town of Ashland
Grant Amount: \$22,000
Watershed: Sudbury, Charles, and Blackstone River Basins

PROJECT TITLE: West Springfield Water Loss Prevention Grant Project 04-13 WLP
Grantee: Town of West Springfield
Grant Amount: \$31,000
Watershed: Connecticut River Basin

PROJECT TITLE: Holyoke Water Loss Prevention Grant Project, 04-14/WLP
Grantee: City of Holyoke
Grant Amount: \$40,000
Watershed: Connecticut River Basin

2005

PROJECT TITLE: Easton Water Loss Prevention Grant Project, 05-01/WLP
Grantee: Town of Easton
Grant Amount: \$31,000
Watershed: Taunton River Basin

PROJECT TITLE: Salem Water Loss Prevention Grant Project, 05-02/WLP
Grantee: City of Salem
Grant Amount: \$40,000
Watershed: Ipswich River Basin
Status: Declined Award

PROJECT TITLE: Hamilton Water Loss Prevention Grant Project, 05-03/WLP
Grantee: Town of Hamilton
Grant Amount: \$31,000
Watershed: Ipswich River Basin

PROJECT TITLE: Grafton Water Loss Prevention Grant Project, 05-04/WLP
Grantee: Grafton Water District
Grant Amount: \$31,000
Watershed: Blackstone River Watershed

PROJECT TITLE: Upton Water Loss Prevention Grant Project, 05-05/WLP
Grantee: Town of Upton
Grant Amount: \$28,000
Watershed: Blackstone River Basin

PROJECT TITLE: Georgetown Water Loss Prevention Grant Project, 05-06/WLP
Grantee: Town of Georgetown
Grant Amount: \$31,000
Watershed: Parker River Basin

PROJECT TITLE: N. Attleborough Water Loss Prevention Grant Project, 05-07/WLP
Grantee: Town of North Attleborough
Grant Amount: \$37,000
Watershed: Blackstone and Ten Mile River Basins

PROJECT TITLE: Southbridge Water Loss Prevention Grant Project, 05-08/WLP
Grantee: Town of Southbridge
Grant Amount: \$25,000
Watershed: Quinebaug River Basin

PROJECT TITLE: Gloucester Water Loss Prevention Grant Project, 05-09/WLP
Grantee: City of Gloucester
Grant Amount: \$32,000
Watershed: North Coastal Basin

PROJECT TITLE: Rockport Water Loss Prevention Grant Project, 05-10/WLP
Grantee: Town of Rockport
Grant Amount: \$36,000
Watershed: North Coastal Basin

PROJECT TITLE: Mattapoisett Water Loss Prevention Grant Project, 05-11/WLP
Grantee: Town of Mattapoisett
Grant Amount: \$37,000
Watershed: Buzzards Bay Basin

PROJECT TITLE: Ipswich Water Loss Prevention Grant Project, 05-12/WLP
Grantee: Town of Ipswich
Grant Amount: \$35,000
Watershed: Ipswich and Parker River Basins

2006

PROJECT TITLE: Millis Water Loss Prevention Grant Project, 06-01/WLP
Grantee: Town of Millis
Grant Amount: \$30,000
Watershed: Charles River Basin

PROJECT TITLE: Groton Water Loss Prevention Grant Project, 06-02/WLP
Grantee: Town of Groton
Grant Amount: \$35,000
Watershed: Merrimack and Nashua Basins

PROJECT TITLE: Dedham-Westwood Water Loss Prevention Project, 06-03/WLP
Grantee: Dedham-Westwood Water District
Grant Amount: \$21,500
Watershed: Boston Harbor and Charles Basins

PROJECT TITLE: Plymouth Water Loss Prevention Grant Project, 06-04/WLP
Grantee: Town of Plymouth
Grant Amount: \$39,000
Watershed: Buzzard's Bay and S. Coastal Basins

PROJECT TITLE: Bridgewater Water Loss Prevention Grant Project, 06-05/WLP
Grantee: Town of Bridgewater
Grant Amount: \$36,500
Watershed: Taunton Basin

PROJECT TITLE: Medfield Water Loss Prevention Grant Project, 06-06/WLP
Grantee: Town of Medfield
Grant Amount: \$40,000
Watershed: Charles Basin

PROJECT TITLE: Fairhaven Water Loss Prevention Grant Project, 06-07/WLP
Grantee: Town of Fairhaven
Grant Amount: \$26,500
Watershed: Buzzard's Bay

PROJECT TITLE: Marion Water Loss Prevention Grant Project, 06-08/WLP
Grantee: Town of Marion
Grant Amount: \$35,000
Watershed: Buzzard's Bay

PROJECT TITLE: Ayer Water Loss Prevention Grant Project, 06-09/WLP
Grantee: Town of Ayer
Grant Amount: \$31,000
Watershed: Nashua and Merrimack Basins

PROJECT TITLE: Lancaster Water Loss Prevention Grant Project, 06-10/WLP
Grantee: Town of Lancaster
Grant Amount: \$19,920
Watershed: Nashua River Basin

PROJECT TITLE: Plainville Water Loss Prevention Grant Project, 06-11/WLP
Grantee: Town of Plainville
Grant Amount: \$25,000
Watershed: Taunton and Ten-Mile Basins
Status: Declined Award

PROJECT TITLE: Holliston Water Loss Prevention Grant Project, 06-12/WLP
Grantee: Town of Holliston
Grant Amount: \$31,000
Watershed: Charles River Basin

PROJECT TITLE: Paxton Water Loss Prevention Grant Project, 06-13/WLP
Grantee: Town of Paxton
Grant Amount: \$5,200
Watershed: Blackstone and Nashua River Basins

PROJECT TITLE: Hatfield Water Loss Prevention Grant Project, 06-14/WLP
Grantee: Town of Hatfield
Grant Amount: \$27,300
Watershed: Connecticut River Basin

2007

PROJECT TITLE: Hadley Water Conservation Grant Project, 07-01/WCG
Grantee: Town of Hadley
Grant Amount: \$34,600
Watershed: Connecticut River Basin

PROJECT TITLE: Wareham Water Conservation Grant Project, 07-02/WCG
Grantee: Wareham Fire District
Grant Amount: \$40,000
Watershed: Buzzards Bay Basin

PROJECT TITLE: MWRA Water Conservation Grant Project, 07-03/WCG
Grantee: MWRA
Grant Amount: \$80,000
Watershed: Chicopee River Basin

PROJECT TITLE: Concord Water Conservation Grant Project, 07-04/WCG
Grantee: Town of Concord
Grant Amount: \$34,375
Watershed: SuAsCo River Basin

PROJECT TITLE: Norfolk Water Conservation Grant Project, 07-05/WCG
Grantee: Town of Norfolk
Grant Amount: \$37,125
Watershed: Charles River Basin

PROJECT TITLE: Middleborough Water Conservation Grant Project, 07-06/WCG
Grantee: Town of Middleborough
Grant Amount: \$32,380
Watershed: Taunton River Basin

PROJECT TITLE: Haverhill Water Conservation Grant Project, 07-07/WCG
Grantee: City of Haverhill
Grant Amount: \$34,000
Watershed: Merrimack River Basin

PROJECT TITLE: Holden Water Conservation Grant Project, 07-08/WCG
Grantee: Town of Holden
Grant Amount: \$18,450
Watershed: Nashua & Blackstone River Basins

PROJECT TITLE: Sharon Water Conservation Grant Project, 07-09/WCG
Grantee: Town of Sharon
Grant Amount: \$44,000
Watershed: Boston Harbor and Taunton Basins

PROJECT TITLE: Department of Correction Water Conservation Grant Project, 07-10/WCG
Grantee: Department of Correction
Grant Amount: \$23,600
Watershed: Taunton/Buzzards Bay/Nashua/Charles River Basins

PROJECT TITLE: Pembroke Water Conservation Grant Project, 07-11/WCG
 Grantee: Town of Pembroke
 Grant Amount: \$20,000
 Watershed: South Coastal Basin

PROJECT TITLE: Danvers Water Conservation Grant Project, 07-12/WCG
 Grantee: Town of Danvers
 Grant Amount: \$30,000
 Watershed: Ipswich and N. Coastal Basins

PROJECT TITLE: New Bedford Water Conservation Grant Project, 07-13/WCG
 Grantee: City of New Bedford
 Grant Amount: \$43,298
 Watershed: Taunton River Basin

PROJECT TITLE: West Boylston Water Conservation Grant Project, 07-14/WCG
 Grantee: Town of West Boylston
 Grant Amount: \$39,000
 Watershed: Nashua River Basin

PROJECT TITLE: Lexington Water Conservation Grant Project, 07-15/WCG
 Grantee: Town of Lexington
 Grant Amount: \$22,500
 Watershed: SuAsCo Basin

PROJECT TITLE: Hopedale Water Conservation Grant Project, 07-16/WCG
 Grantee: Town of Hopedale
 Grant Amount: \$28,000
 Watershed: Blackstone and Charles Basins

PROJECT TITLE: Freetown Water Conservation Grant Project, 07-17/WCG
 Grantee: Town of Freetown
 Grant Amount: \$35,000
 Watershed: Taunton River Basin

PROJECT TITLE: Shrewsbury Water Conservation Grant Project, 07-18/WCG
 Grantee: Town of Shrewsbury
 Grant Amount: \$23,069
 Watershed: Blackstone and SuAsCo Basins

PROJECT TITLE: Bridgewater Water Conservation Grant Project, 07-19/WCG
 Grantee: Town of Bridgewater
 Grant Amount: \$19,000
 Watershed: Taunton River Basin
 Status: Declined Award

PROJECT TITLE: Pepperell Water Conservation Grant Project, 07-20/WCG
 Grantee: Town of Pepperell
 Grant Amount: \$18,000
 Watershed: Nashua River Basin

SUPPLEMENTAL PROJECT: Bureau of Waste Prevention Sustainability Project
 Grantees: 42 municipalities
 Grant Amount: \$50,000
 Watershed: Statewide

2008

PROJECT TITLE: North Reading Water Conservation Grant Project, 08-01/WCG
Grantee: Town of North Reading
Grant Amount: \$31,200
Watershed: Ipswich Basin
Status: Declined Award

PROJECT TITLE: Hanson Water Conservation Grant Project, 08-02/WCG
Grantee: Town of Hanson
Grant Amount: \$37,600
Watershed: Taunton Basin

PROJECT TITLE: Hopkinton Water Conservation Grant Project, 08-03/WCG
Grantee: Town of Hopkinton
Grant Amount: \$26,500
Watershed: Blackstone, Charles, and SuAsCo Basins

PROJECT TITLE: Harwich Water Conservation Grant Project, 08-04/WCG
Grantee: Town of Harwich
Grant Amount: \$36,000
Watershed: Cape Cod Basin

PROJECT TITLE: Walpole Water Conservation Grant Project, 08-05/WCG
Grantee: Town of Walpole
Grant Amount: \$40,000
Watershed: Boston Harbor Basin

PROJECT TITLE: Concord Water Conservation Grant Project, 08-06/WCG
Grantee: Town of Concord
Grant Amount: \$32,475
Watershed: SuAsCo Basin

PROJECT TITLE: Quincy Water Conservation Grant Project, 08-07/WCG
Grantee: City of Quincy
Grant Amount: \$49,000
Watershed: Boston Harbor Basin

PROJECT TITLE: Malden Water Conservation Grant Project, 08-08/WCG
Grantee: City of Malden
Grant Amount: \$39,000
Watershed: Charles and North Coastal Basins

PROJECT TITLE: Wayland Water Conservation Grant Project, 08-09/WCG
Grantee: Town of Wayland
Grant Amount: \$34,000
Watershed: Taunton Basin

PROJECT TITLE: Lowell Water Conservation Grant Project, 08-10/WCG
Grantee: City of Lowell
Grant Amount: \$50,000
Watershed: Merrimack Basin

PROJECT TITLE: North Attleborough Water Conservation Grant Project, 08-11/WCG
 Grantee: Town of North Attleborough
 Grant Amount: \$96,835
 Watershed: Blackstone and 10-Mile Basins

PROJECT TITLE: Onset Water Conservation Grant Project, 08-12/WCG
 Grantee: Onset Fire District
 Grant Amount: \$24,600
 Watershed: Buzzards Bay

PROJECT TITLE: Milton Water Conservation Grant Project, 08-13/WCG
 Grantee: Town of Milton
 Grant Amount: \$49,000
 Watershed: Boston Harbor Basin

PROJECT TITLE: Cherry Valley & Rochdale Water Conservation Grant Project, 08-14/WCG
 Grantee: Cherry Valley & Rochdale Water District
 Grant Amount: \$25,500
 Watershed: French River Basin

PROJECT TITLE: Marlborough Water Conservation Grant Project, 08-15/WCG
 Grantee: City of Marlborough
 Grant Amount: \$35,000
 Watershed: SuAsCo Basin

PROJECT TITLE: N. Chelmsford Water Conservation Grant Project, 08-16/WCG
 Grantee: North Chelmsford Water District
 Grant Amount: \$33,000
 Watershed: Merrimack Basin

PROJECT TITLE: Holyoke Water Conservation Grant Project, 08-17/WCG
 Grantee: City of Holyoke
 Grant Amount: \$32,000
 Watershed: Connecticut Basin

PROJECT TITLE: Hatfield Water Conservation Grant Project, 08-18/WCG
 Grantee: Town of Hatfield
 Grant Amount: \$40,000
 Watershed: Connecticut Basin

PROJECT TITLE: Maynard Water Conservation Grant Project, 08-19/WCG
 Grantee: Town of Maynard
 Grant Amount: \$43,900
 Watershed: SuAsCo Basin

PROJECT TITLE: Easthampton Water Conservation Grant Project, 08-20/WCG
 Grantee: City of Easthampton
 Grant Amount: \$50,000
 Watershed: Connecticut Basin

PROJECT TITLE: Spencer Water Conservation Grant Project, 08-21/WCG
 Grantee: Town of Spencer
 Grant Amount: \$39,500
 Watershed: Chicopee River Basin

PROJECT TITLE: Buzzards Bay Water Conservation Grant Project, 08-22/WCG
Grantee: Buzzards Bay Water District
Grant Amount: \$25,000
Watershed: Buzzards Bay Watershed

PROJECT TITLE: Wareham Water Conservation Grant Project, 08-23/WCG
Grantee: Wareham Fire District
Grant Amount: \$30,890
Watershed: Buzzards Bay Watershed
Status: Declined Award

PROJECT TITLE: Gloucester Water Conservation Grant Project, 08-24/WCG
Grantee: City of Gloucester
Grant Amount: \$49,000
Watershed: North Coastal Basin

2009

PROJECT TITLE: Mansfield Water Conservation Grant Project, 09-01/WCG
Grantee: Town of Mansfield
Grant Amount: \$50,000
Watershed: Taunton and Ten-Mile River Basins

PROJECT TITLE: North Andover Water Conservation Grant Project, 09-02/WCG
Grantee: Town of North Andover
Grant Amount: \$46,600
Watershed: Ipswich and Merrimack River Basins

PROJECT TITLE: Bridgewater Water Conservation Grant Project, 09-03/WCG
Grantee: Town of Bridgewater
Grant Amount: \$41,000
Watershed: Taunton River Basin

PROJECT TITLE: Danvers Water Conservation Grant Project, 09-04/WCG
Grantee: Town of Danvers
Grant Amount: \$40,000
Watershed: Ipswich River Basin

PROJECT TITLE: Sharon Water Conservation Grant Project, 09-05/WCG
Grantee: Town of Sharon
Grant Amount: \$35,400
Watershed: Boston Harbor and Taunton Basins

PROJECT TITLE: Georgetown Water Conservation Grant Project, 09-06/WCG
Grantee: Town of Georgetown
Grant Amount: \$49,900
Watershed: Parker River Basin

PROJECT TITLE: Lawrence Water Conservation Grant Project, 09-07/WCG
Grantee: City of Lawrence
Grant Amount: \$38,500
Watershed: Merrimack and Shawsheen River Basins

PROJECT TITLE: Provincetown Water Conservation Grant Project, 09-08/WCG
Grantee: Town of Provincetown
Grant Amount: \$47,741
Watershed: Cape Cod Basin

PROJECT TITLE: Abington Water Conservation Grant Project, 09-09/WCG
Grantee: Town of Abington
Grant Amount: \$27,500
Watershed: S. Coastal and Taunton River Basins

PROJECT TITLE: Rockland Water Conservation Grant Project, 09-10/WCG
Grantee: Town of Rockland
Grant Amount: \$27,500
Watershed: S. Coastal and Taunton River Basins

PROJECT TITLE: Marlborough Water Conservation Grant Project, 09-11/WCG
Grantee: City of Marlborough
Grant Amount: \$38,000
Watershed: SuAsCo Basin

PROJECT TITLE: New Bedford Water Conservation Grant Project, 09-12/WCG
Grantee: City of New Bedford
Grant Amount: \$59,034
Watershed: Buzzards Bay Watershed

PROJECT TITLE: Buzzards Bay Water Conservation Grant Project, 09-13/WCG
Grantee: Buzzards Bay Water District
Grant Amount: \$36,825
Watershed: Buzzards Bay Watershed

2010

PROJECT TITLE: Easton Water Conservation Grant Project, 10-01/WCG
Grantee: Town of Easton
Grant Amount: \$42,000
Watershed: Taunton River Basin

PROJECT TITLE: Lincoln Water Conservation Grant Project, 10-02/WCG
Grantee: Town of Lincoln
Grant Amount: \$27,000
Watershed: Charles River Basin

PROJECT TITLE: Rutland Water Conservation Grant Project, 10-03/WCG
Grantee: Town of Rutland
Grant Amount: \$17,000
Watershed: Nashua River Basin

PROJECT TITLE: Dedham-Westwood Water Conservation Grant Project, 10-04/WCG
Grantee: Dedham-Westwood Water District
Grant Amount: \$39,500
Watershed: Boston Harbor and Charles Basins

PROJECT TITLE: Medway Water Conservation Grant Project, 10-05/WCG
 Grantee: Town of Medway
 Grant Amount: \$31,000
 Watershed: Charles River Basin

PROJECT TITLE: Stoughton Water Conservation Grant Project, 10-06/WCG
 Grantee: Town of Stoughton
 Grant Amount: \$50,000
 Watershed: Taunton River and Boston Harbor Basins

PROJECT TITLE: Wilmington Water Conservation Grant Project, 10-07/WCG
 Grantee: Town of Wilmington
 Grant Amount: \$20,100
 Watershed: Ipswich River Basin

PROJECT TITLE: Gardner Water Conservation Grant Project, 10-08/WCG
 Grantee: Town of Gardner
 Grant Amount: \$35,000
 Watershed: Millers River Basin
 Status: Declined Award

PROJECT TITLE: Canton Water Conservation Grant Project, 10-09/WCG
 Grantee: Town of Canton
 Grant Amount: \$50,000
 Watershed: Taunton River and Boston Harbor Basins

PROJECT TITLE: Ware Water Conservation Grant Project, 10-10/WCG
 Grantee: Town of Ware
 Grant Amount: \$17,000
 Watershed: Chicopee River Basin

PROJECT TITLE: West Springfield Water Conservation Grant Project, 10-11/WCG
 Grantee: City of West Springfield
 Grant Amount: \$60,000
 Watershed: Connecticut River Basin

PROJECT TITLE: Turners Falls Water Conservation Grant Project, 10-12/WCG
 Grantee: Turners Falls Water District
 Grant Amount: \$26,800
 Watershed: Connecticut and Millers River Basins

PROJECT TITLE: Georgetown Water Conservation Grant Project, 10-13/WCG
 Grantee: Town of Georgetown
 Grant Amount: \$45,100
 Watershed: Parker River Basin

PROJECT TITLE: Brewster Water Conservation Grant Project, 10-14/WCG
 Grantee: Town of Brewster
 Grant Amount: \$36,000
 Watershed: Cape Cod Basin

PROJECT TITLE: Norfolk Water Conservation Grant Project, 10-15/WCG
 Grantee: Town of Norfolk
 Grant Amount: \$13,500
 Watershed: Charles River Basin

PROJECT TITLE: Gloucester Water Conservation Grant Project, 10-16/WCG
 Grantee: City of Gloucester
 Grant Amount: \$50,000
 Watershed: North Coastal Basin

PROJECT TITLE: Clinton Water Conservation Grant Project, 10-17/WCG
 Grantee: Town of Clinton
 Grant Amount: \$33,000
 Watershed: Nashua River Basin

PROJECT TITLE: Northampton Water Conservation Grant Project, 10-18/WCG
 Grantee: City of Northampton
 Grant Amount: \$54,000
 Watershed: Connecticut River Basin

PROJECT TITLE: Westminster Water Conservation Grant Project, 10-19/WCG
 Grantee: Town of Westminster
 Grant Amount: \$30,000
 Watershed: Nashua River Basin

PROJECT TITLE: Spencer Water Conservation Grant Project, 10-20/WCG
 Grantee: Town of Spencer
 Grant Amount: \$17,100
 Watershed: Chicopee River Basin

PROJECT TITLE: Ashland Water Conservation Grant Project, 10-21/WCG
 Grantee: Town of Ashland
 Grant Amount: \$17,940
 Watershed: SuAsCo Basin

PROJECT TITLE: Lunenburg Water Conservation Grant Project, 10-22/WCG
 Grantee: Lunenburg Water District
 Grant Amount: \$30,195
 Watershed: Nashua River Basin

PROJECT TITLE: Bellingham Water Conservation Grant Project, 10-23/WCG
 Grantee: Town of Bellingham
 Grant Amount: \$31,440
 Watershed: Charles and Blackstone River Basins

PROJECT TITLE: Concord Water Conservation Grant Project, 10-24/WCG
 Grantee: Town of Concord
 Grant Amount: \$30,000
 Watershed: SuAsCo Basin

PROJECT TITLE: Salem Water Conservation Grant Project, 10-25/WCG
 Grantee: City of Salem
 Grant Amount: \$46,325
 Watershed: Ipswich River Basin

Attachment 6: Total Gallons and Dollars Saved by Watershed

Basin Name	Total Grant Award by Watershed	Total Gallons of Water Saved	Total Value of Water Saved
Blackstone: Worcester, Ashland and Hopkinton, Grafton, Upton, Hopedale, Shrewsbury, Bellingham	\$216,425	225,756,833	\$167,637
Boston Harbor: Canton*, Dedham-Westwood*, Medfield, Sharon, Quincy*, Milton*, Stoughton*, Walpole	\$341,700	267,400,000	\$660,641
Buzzards Bay: Plymouth, Wareham, Fairhaven, Marion, Onset, Buzzards Bay	\$207,425	106,650,000	\$43,509
Cape Cod: Harwich, Provincetown, Brewster	\$119,741	49,500,000	\$107,500
Charles: Ashland, Millis, Milford, Holliston, Hopedale, Hopkinton, Dedham-Westwood*, Lincoln, Malden*, Medfield, Medway, Norfolk	\$318,508	317,641,833	\$378,433
Chicopee: Barre, Spencer, Ware	\$112,600	62,000,000	\$44,800
Connecticut: Hatfield, Hadley, Holyoke, West Springfield, Turners Falls, Northampton	\$345,700	203,700,000	\$51,550
French & Quinebaug: Cherry Valley Rochdale, Southbridge	\$50,500	57,000,000	\$31,600
Ipswich: Lynnfield Center*, Hamilton, Ipswich, Danvers, Salem, Wilmington*	\$237,475	74,500,000	\$143,410
Merrimack: Groton, Haverhill, Lowell, North Chelmsford, North Andover, Lawrence	\$223,850	110,388,000	\$88,071
Nashua: Clinton, Lancaster, Lunenburg, Pepperell, Rutland, Shirley, West Boylston, Worcester	\$207,815	133,335,000	\$54,952
North Coastal: Lynnfield Center*, Gloucester, Rockport, Malden*	\$198,500	80,300,000	\$110,750

Parker: Georgetown	\$126,000	29,430,000	\$50,569
Shawsheen: Lawrence	\$19,250	9,000,000	\$3,500
South Coastal: Plymouth, Pembroke, Abington, Rockland	\$80,650	70,625,000	\$32,525
SuAsCo: Ashland, Concord, Hopkinton, Lexington*, Marlborough*, Maynard, Shrewsbury, Wayland	\$333,558	290,153,333	\$570,308
Taunton: Abington, Halifax, Hanson, Avon, Easton, Bridgewater, Mansfield, Middleborough, New Bedford, Rockland, Sharon, Stoughton	\$542,828	373,175,000	\$336,795
Ten Mile: North Attleborough, Mansfield	\$91,918	113,450,000	\$81,200
Regional: MWRA, BWP	\$130,000	61,000,000	\$235,000

* Designates a MWRA member community.