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EXECUTIVE OFFICE OF ENERGY AND ENVIRONMENTAL AFFAIRS
DEPARTMENT OF ENERGY RESOURCES
GREEN COMMUNITIES DIVISION

ANNUAL REPORT TO THE MASSACHUSETTS GENERAL COURT, JUNE 2012

To: William Welch, Clerk of the State Senate
Steven James, Clerk of the House of Representatives
Stephen M. Brewer, Chair, Senate Ways and Means Committee
Brian B. Dempsey, Chair, House Ways and Means Committee
Benjamin B. Downing, Senate Chair, Joint Committee on Telecommunications, Utilities and Energy
John D. Keenan, House Chair, Joint Committee on Telecommunications, Utilities and Energy
Kenneth J. Donnelly, Senate Chair, Joint Committee on State Administration and Regulatory Oversight
Peter V. Kocot, House Chair, Joint Committee on State Administration and Regulatory Oversight

In July, 2008, the Massachusetts General Court enacted and Governor Deval Patrick signed into law the Green Communities Act (the "Act"). The Act established a Green Communities Division (MGL ch.25A, Section 10 - the "Division"):

.....to assist the commonwealth's municipalities and other local governmental bodies to: reduce energy consumption and costs, reduce pollution, facilitate the development of renewable and alternative energy resources, and create local jobs related to the building of renewable and alternative energy facilities and the installation of energy-efficient equipment."

As part of this charge, the Division is required to "establish a green communities program to provide technical and financial assistance in the form of grants and loans to municipalities and other local governmental bodies that qualify as green communities." To qualify as a Green Community, a municipality or local governmental body must meet five specific criteria. The Division is responsible for establishing this program and adopting rules, regulations and guidelines, including establishing applicant criteria, funding priority, application forms and procedures and energy efficiency product requirements. The Division is also responsible for establishing a green communities program for communities served by municipal light plants that have adopted the renewable energy charge.

Following is a report of the Division's activities and accomplishments related to the Green Community program requirements found in M.G.L c. 25A § 10(f) since the Division's last report of April 2011:

TIMELINE AND ACTIVITIES

April – May, 2011	Regional recognition events for 18 Green Communities designated in December 2009 held throughout the Commonwealth
June 10, 2011	Deadline for designation applications to be eligible for Summer 2011 grant round
July 19, 2011	21 new municipalities designated Green Communities, bringing total to 74 (Press Release Link)
August 12, 2011	Deadline for 21 newest Green Communities to submit grant applications
Sept 30, 2011	Deadline for submittal of Annual Reports for period 7/1/10 – 6/30/11 from the initial 35 municipalities designated in May 2010
Nov 9, 2011	Grant projects announced for 21 newest designated Green Communities (Press Release Link)
Nov 18, 2011	Deadline to submit Designation applications to be eligible for grant deadline of January 27, 2012
Nov – Dec 2011	Regional recognition events for 21 Green Communities designated in July 2011 held throughout the Commonwealth
Dec 21, 2011	18 new municipalities designated Green Communities bringing total to 86 (Press Release Link)
Jan 27, 2012	Deadline for 18 newest Green Communities to submit grant applications
Jan 31, 2012	Competitive grant application released for previously designated Green Communities who have expended existing grant funds to apply for additional funding
March 14, 2012	Latest Program Guidance materials issued establishing an annual designation application deadline of May 29 followed by a grant application deadline of July 30.
March 23, 2012	Deadline for competitive grant applications from previously designated Green Communities
May 1, 2012	Grant projects announced for 18 newest Green Communities (Press Release Link)
May 2012	Regional recognition events for 18 Green Communities designated in December 2011 held throughout the Commonwealth
May 29, 2012	Deadline for designation applications to be eligible for June 2012 grant round

GREEN COMMUNITIES DESIGNATION AND GRANT PROGRAM ACCOMPLISHMENTS

Designation and Grant Program – Since the Division’s report of April 2011, with 2 additional designation rounds the number of municipalities that have been designated Green Communities and received grant awards has reached 86, an increase of 33 municipalities since our last report. Green Communities grants are funded not through taxpayer revenue, but by carbon allowance auction proceeds under the Regional Greenhouse Gas Initiative (RGGI) as well as Alternative Compliance Payments (ACP) made under the Renewable Portfolio Standard. By statute, up to \$10 million annually can be dedicated to the Green Communities program.

The 86 Green Communities continue to be diverse geographically, socio-economically, and in size which demonstrates that any municipality can become a Green Community. Appendix A is a map of these 86 communities as well as a list of their grant awards and approved projects. With the 86 designated Green Communities, 42% of the Commonwealth’s population is living in a Green Community

As part of the designation process, the Division offers a Preliminary Consultation period where municipalities can submit draft materials for review. As a part of this review, the Division provides feedback and comment on the materials and their potential ability for meeting the Green Communities designation criteria. 20 municipalities availed themselves of a Preliminary Consultation, 10 in each of the most recent designation rounds.

In addition to the grants received, all of the municipalities receive four metal road signs for display in the community, and an official certificate signed by the Governor presented to them at the regional recognition events.

Since the Division’s last report, 24 municipalities have completed their projects funded by their Green Communities grants, 23 who were designated in May 2010 and one designated in December 2010. The table below provides a summary of the costs and benefits of the completed projects.

# of Green Communities with Full Implementation of GC Projects	Sum of Total Project Costs	Sum of Funds Awarded	Sum of Utility Incentives	Sum of Other Leveraged Funds (e.g. town funds)	Total Annual Cost Savings	Annual Energy Savings for # of MA homes equivalency	Annual GHG reductions for # of car equivalency
24	\$8,151,012	\$5,589,125	\$1,052,976	\$1,508,911	\$1,274,974	328	817

The projects primarily consisted of energy efficiency and energy conservation measures which included lighting retrofits in schools and public buildings, energy management systems and HVAC upgrades, a solar photovoltaic installation, and energy education.

Since the Division’s previous report we also began an annual reporting process for the designated Green Communities to verify continued compliance with the 5 qualification criteria laid out in the Green Communities Act. During this period the first 35 communities designated in May 2010 provided annual reports for the period July 1, 2010 – June 30, 2011 with the reports being due by September 30th. In addition to verifying continued compliance, the Green Communities Division used this first reporting period to learn more about any challenges the municipalities are facing with the criteria and to determine the best way to continue to collect data for the annual reports. In meeting Criteria 3 to establish an energy use baseline and develop and implement an Energy Reduction Plan for reducing that baseline by 20% within 5 years, the 86 Green Communities have committed to a total energy reduction equivalent to the annual energy consumption of 13,130 Massachusetts home. The Annual Reporting process aided us in determining the progress the municipalities are making in meeting their

Energy Reduction Plans and in reviewing and discussing with them any needs for revising their Plans. 74 municipalities will be required to submit annual reports by September 30, 2012 for the July 1 2011 – June 30 2012 reporting period.

Since our last report the Division also launched a Competitive Grant Program for existing designated Green Communities who had expended all of their original Green Communities grant funding. Applications were due March 30, with \$2M total available for communities and individual awards capped at \$250K. 21 applications were received and are currently under review. The Division plans to offer this Competitive Grant Program on an annual basis in the late fall, pending available funds.

Program Support – Additional strategies utilized by the Division to support the Designation and Grant program and a variety of other programs and services offered by the Division include:

- *Preference Programs for designated Green Communities* – The Green Communities Division recognizes the effort that municipalities have made in order to achieve designation and as a result has provided and will continue to provide special opportunities for Green Communities. To date, this has included: 1) providing preference for Green Communities in the application made available to municipalities for electric vehicle charging stations, and 2) offering to Green Communities the opportunity to apply for a pilot program, Solarize Mass, for procuring residential and small commercial PV systems in bulk to achieve lower installation costs. Four Green Communities participated in the original pilot last year and recently 17 Green Communities were selected to participate in the second phase of the pilot. ([Press Release Link](#))
- *MassEnergyInsight* – The Green Communities Division continued to provide training of this free, web-based tool, available to all 351 cities and towns and other local governmental bodies to help them understand their energy use and reduce their carbon footprint by delivering customized, easy-to-use reports on electricity, natural gas and oil use. After providing classroom trainings, followed by webinar trainings, online training videos on discreet topics are now available to reach a wider audience at their convenience, and be available as a reference tool. More than 170 municipalities are actively using the tool to track their energy consumption. (see www.massenergyinsight.net).
- *GCD Website* - The Division website includes a page dedicated solely to the Green Communities Designation and Grant Program (see www.mass.gov/energy/greencommunities). Included on the site are application materials and a grant program toolkit containing guidance documents on each of the five criteria. The guidance materials have been updated on a regular basis as we receive feedback from the municipalities and learn from the designation process. In addition, as we have designated Green Communities we have posted “best-practice” application materials from those communities on our website.
- *Listserv* – A subscriber listserv (over 1500 subscribers to date) allows the Division to rapidly distribute program information to the public. We contracted with a new provider for our listserv that now allows recipients to sign-up for notices in their particular areas of interest. The service also provides us email response statistics so we can better understand our audience and the impact of our mailings.
- *Regional Coordinators* – Four regional coordinators, one located at each of the four DEP regional offices, continue to work with more than 70 municipalities each on meeting their energy goals and attaining Green Communities designation.
- *Webinars* – The Division utilizes webinars as a means to reach out to municipalities and citizens across the Commonwealth on a range of topics. Our webinars have seen strong participation and

has reached as high as nearly 300 attendees. The Executive Office of Energy and Environmental Affairs has publicized the webinars on its *Energy Smarts* blog to boost participation. All of our webinar materials including the audio files are posted on the Division website for future reference.

- *Mass Municipal Energy Group (MMEGweb)* - In collaboration with the Massachusetts Municipal Association (MMA), a new web service has been developed to facilitate knowledge sharing, collaboration, and networking among individuals involved in municipal energy and sustainability activities in Massachusetts. The development of the online community was funded by a grant from the Division and the service is administered by the MMA. For cities and towns with little experience in clean energy, MMEGweb provides a place to ask questions of peers in municipalities with expertise about how best to approach energy projects. MMEGweb builds on social networking elements that include individual customizable profile pages and the option to add direct links to social media pages. The system has completed a testing period with more than 140 users and will be officially launched in May 2012.
- *Outreach* - The Director, Deputy Director and four Regional Coordinators have participated in numerous meetings with municipal leaders, energy committees and local civic groups, presented at regional and statewide workshops, including the annual Massachusetts Municipal Association conference. Green Communities Division officials have also made themselves available to answer questions that municipal officials, members of the public, legislators and the press have asked. It is estimated that the Green Communities Division has interaction with over 300 municipalities on an annual basis.

The Green Communities Division has also participated on the Lt. Governor's Municipal Affairs Coordinating Cabinet and is a subcommittee of the Commonwealth's Regionalization Commission. The Green Communities Designation and Grant Program are also integrated into the Commonwealth Capital Program.

Communities served by Municipal Light Plants / Separate Program – MGL c. 25A, Section 10(e) requires that the Division provide for a separate Green Communities program for cities and towns served by municipal light plants ("MLP") that have adopted the renewable energy charge. Under the grant process established by the Green Communities Division, such MLP communities will use the same forms as non MLP communities, however, the MLP communities must provide specific documentation that the MLP has adopted the renewable energy surcharge established in M.G.L c. 25 §20. All other aspects of the Green Communities Grant Program and designation/application process shall remain the same. Holyoke adopted the renewable energy charge in August 2009 and was designated a Green Community in 2010. No other municipalities served by an MLP have applied for designation.

In February 2012, DOER awarded \$200,000 in grants through a competitive solicitation to 4 Municipal Light Plants and the Massachusetts Municipal Wholesale Electric company (MMWEC) to expand commercial and industrial (C&I) customer energy efficiency rebate programs. The grants are funded through proceeds from RGGI. ([Press Release Link](#)).

FUNDS COMMITTED for GREEN COMMUNITIES DESIGNATION AND GRANT ACTIVITIES

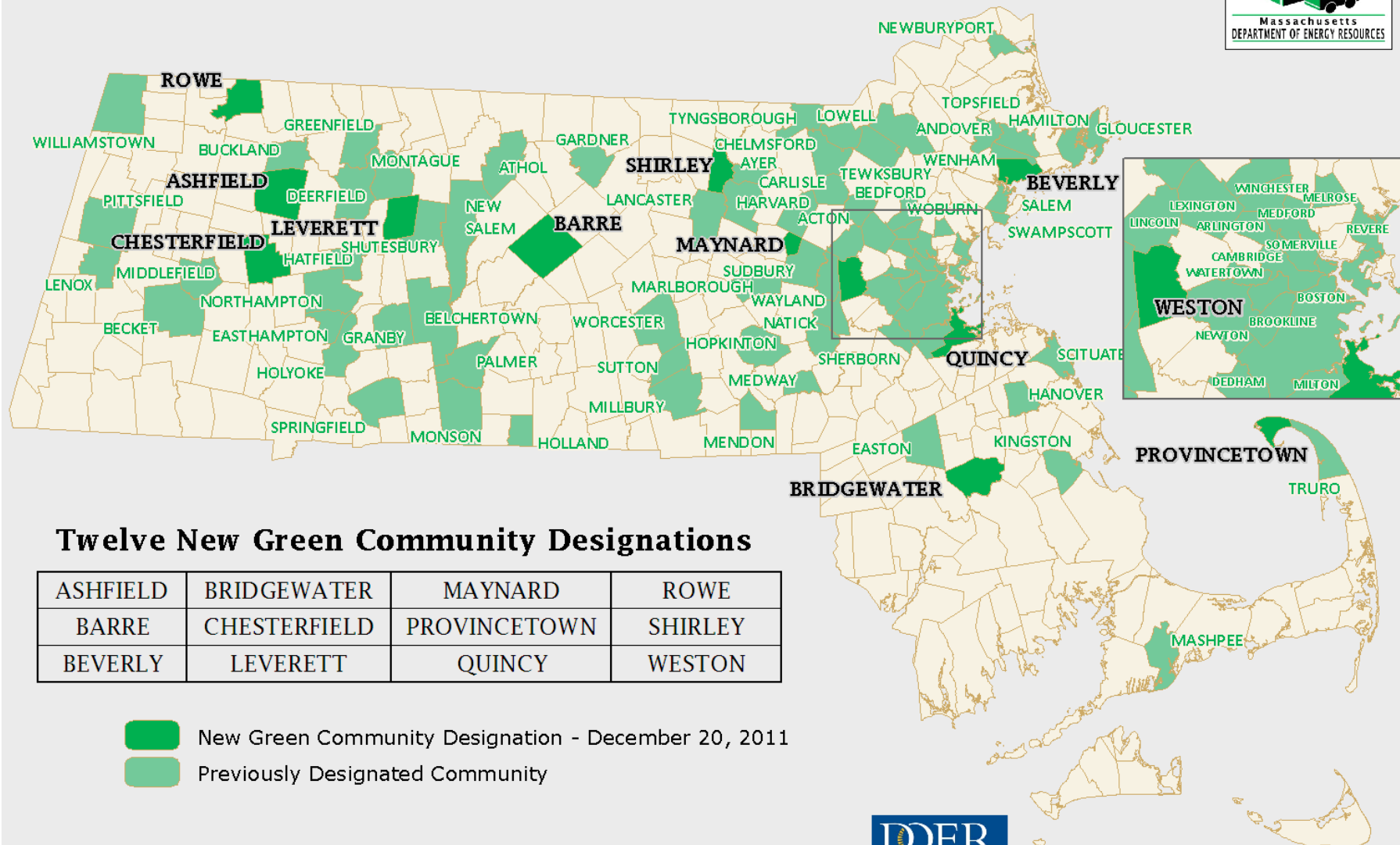
<u>Object</u>	<u>Funds Committed*</u>	<u>Fiscal Year</u>
Green Communities Grants Round 1 - 35	\$8,100,000	2010
Planning Assistance – Round II (Oct 2010 – June 2011)	\$424,500	2011
Green Communities Grants Round II - 18	\$3,600,000	2011
Green Communities Grants Round II - 21	\$3,700,000	2011
Green Communities Grants Round IV - 12	\$2,000,000	2012
Green Communities Competitive Grants	\$2,000,000	2012
Green Communities Grants Round V - TBD	\$4,000,000	2012

* The established payment schedule requires payment to awarded Green Communities and Planning Assistance after submission of invoices for completed work. Therefore, committed funds have not all been expended at this point

APPENDIX A

**MAP OF DESIGNATED GREEN COMMUNITIES
WITH LIST OF GRANT AMOUNTS AND FUNDED PROJECTS**

GREEN COMMUNITY DESIGNATIONS REACH EIGHTY-SIX



Twelve New Green Community Designations

ASHFIELD	BRIDGEWATER	MAYNARD	ROWE
BARRE	CHESTERFIELD	PROVINCETOWN	SHIRLEY
BEVERLY	LEVERETT	QUINCY	WESTON

-  New Green Community Designation - December 20, 2011
-  Previously Designated Community

GREEN COMMUNITY DESIGNATIONS REACH EIGHTY-SIX

MA Green Communities	Designation Date	Green Community Grant Award	Grant Project Summary	Project Complete	Census 2010 Population
Acton	05/25/10	\$150,794	to fund energy conservation measures at the library, an HVAC analysis of town hall, tankless hot water heaters, and an energy education outreach program.	X	21,924
Andover	05/25/10	\$160,329	to fund a municipal lighting retrofit project.	X	33,201
Arlington	05/25/10	\$200,188	to fund energy efficient lighting, replacing steam traps and an energy management system at the Hardy School.	X	42,844
Ashfield	12/20/11	\$141,025	to fund a feasibility study for a solar PV system, bike racks for high traffic public locations and multiple energy efficiency measures including lighting improvements, tankless water heaters, energy audits at several municipal buildings.		1,737
Athol	05/25/10	\$171,523	to fund energy efficiency improvements at the senior center, an HVAC analysis of the town hall and library, and a solar hot water system at the fire station.		11,584
Ayer	07/19/11	\$151,175	to fund energy conservation measures in municipal buildings including steam trap replacements and a new high efficiency gas furnace at the Wastewater Treatment Plant; energy efficient lighting at the Police and Fire Stations, street lamp replacement, and heating system controls at Town Hall.		7,427
Barre	12/20/11	\$143,575	for energy audits at several municipal building and multiple energy efficiency projects including lighting upgrades at several buildings along with funding for a program administrator to manage energy projects.		5,398
Becket	05/25/10	\$141,326	to fund a two-phased project for two municipal buildings; Town Hall and Town Garage. First, to fund energy audits to identify energy usage and potential energy efficiency measures. Second, to fund implementation of energy conservation measures determined appropriate and cost effective in the two buildings.		1,779
Bedford	07/19/11	\$148,150	to fund energy conservation measures at the Department of Public Works and multiple school buildings, including energy efficiency lighting and variable frequency drives on heating circulation pumps.		13,320
Belchertown	05/25/10	\$160,917	to fund the buy-down of an energy management services contract for municipal buildings; specifically implementation cost of a comprehensive direct digital controlled energy management system at Chestnut Hill Elementary School.	X	14,649
Beverly	12/20/11	\$206,475	to fund an energy management system and ventilation and air condition and equipment upgrades at multiple schools.		39,502
Boston	12/16/10	\$1,000,000	to fund the following energy conservation measures: auto igniters for natural gas streetlight, lighting controls at municipal ball fields, and an upgrade of the energy management system for Copley Library and four library branches.		617,594
Bridgewater	12/20/11	\$200,800	to fund energy audits as eight municipal buildings and implementation of approved energy conservation measures identified from these audits.		26,563
Brookline	07/19/11	\$215,050	to fund technical services to evaluate the feasibility of a solar PV system for Singletree Reservoir; an LED Street Light Conversion Project; and a building management and employee energy efficiency awareness program.		58,732
Buckland	07/19/11	\$134,150	to fund energy audits to identify energy conservation measures in the Town Hall and Police Station and funds toward implementation of measures identified by the audits.		1,902
Cambridge	05/25/10	\$283,770	to fund energy efficiency revolving loan fund.	X	105,162
Carlisle	07/19/11	\$139,300	to fund energy conservation measures at municipal buildings including an energy management system at Town Hall, efficient parking lot lights at Town Hall, the Library and the Carlisle Public Schools; and an energy efficiency education program for residents.		4,852
Chelmsford	05/25/10	\$187,224	to fund a 30 kW PV system at the Parker Middle School.	X	33,802
Chesterfield	12/20/11	\$140,000	to fund a pilot Clean Energy Fund grant program for residents to implement energy efficiency measures identified in Mass Save audits; an energy efficient boiler and air sealing at the Fire House; furnace replacement, an on-demand water heater, air sealing and exterior door replacement at the Senior Center; and other energy conservation measures and upgrades.		1,222
Dedham	12/16/10	\$179,800	to fund the installation of a 128.5kW roof-mounted solar PV system at Dedham High School; part of a comprehensive energy-based services contract for measures in schools and municipal facilities.		24,729
Deerfield	07/19/11	\$142,950	to fund energy conservation measures in multiple municipal buildings including energy efficient interior and exterior lighting, variable frequency drives, energy efficient windows, and efficient street lights and controls.	X	5,125
Easthampton	05/25/10	\$174,985	to fund replacement of streetlights with LED technology.	X	16,053

GREEN COMMUNITY DESIGNATIONS REACH EIGHTY-SIX

MA Green Communities	Designation Date	Green Community Grant Award	Grant Project Summary	Project Complete	Census 2010 Population
Easton	12/16/10	\$168,300	funding for energy conservation measures in municipal buildings		23,112
Gardner	12/16/10	\$206,100	to fund a solar PV assessment and the following energy conservation measures: energy efficient boiler replacements, insulation, and air sealing and a heating system evaluation at the High School and Senior Center.		20,228
Gloucester	12/16/10	\$198,200	to fund energy conservation measures including improvements to the O'Maley Middle School building envelope, demand control ventilation upgrades, and the installation of an energy saving ceiling (Low E) and heat exchanger at the O'Maley Rink		28,789
Granby	07/19/11	\$144,125	to fund a solar hot water system for the police and fire complex; a roof mounted 10 kW solar PV system for the new library; consulting services for assessment of energy audits; and funds toward implementation of energy conservation measures for the junior and senior high school and elementary school identified by audits.		6,240
Greenfield	05/25/10	\$202,066	to fund the buy-down of an energy management services contract for municipal buildings, a community energy efficiency program, and consulting services.	X	17,456
Hamilton	05/25/10	\$144,819	to fund the buy-down of an energy management services contract.	X	7,764
Hanover	05/25/10	\$148,598	to fund the incremental costs of a hybrid public safety command vehicle, energy efficiency measures in municipal buildings, and to support the salary of an energy staff person.		13,879
Harvard	12/16/10	\$141,200	to fund energy conservation measures including; demand control ventilation and mechanical upgrades at the Elementary School, an HVAC upgrade at the Police Station, energy efficient boiler replacement at the Fire Station, and a deep energy retrofit analysis for Town Hall		6,520
Hatfield	12/16/10	\$130,725	to fund the following energy conservation measures: insulation and heating system upgrades at the Water Filtration Plant office, installation of a heat recovery system at the Wastewater Treatment Plant, replacement of windows at Town Hall, installation of window quilts at Smith Academy, an energy study for Town Hall to become Energy Star qualified, and purchase of an electric light duty truck for multiple department use		3,279
Holland	07/19/11	\$143,250	to fund energy audits to identify potential energy conservation measures in the Elementary School and the Fire/Police Garage and funds toward implementation of measures identified by the audits.		2,481
Holyoke	05/25/10	\$321,221	to fund energy efficient school, traffic and street lights and to insulate City Hall.	X	39,880
Hopkinton	05/25/10	\$137,502	to fund various municipal building energy efficiency programs.	X	14,925
Kingston	05/25/10	\$163,528	to fund various energy efficiency measures in municipal buildings and an idle right fuel management system for police vehicles.	X	12,629
Lancaster	05/25/10	\$141,114	to fund various energy efficiency measures, a solar PV project and an energy analysis of town hall.		8,055
Lenox	05/25/10	\$134,766	to fund an upgrade to the HVAC systems in schools, building efficiency training, consulting services for a solar project, community wind forums, and a solar initiative that will provide mini-grants for solar and hot water systems on commercial and residential properties.		5,025
Lexington	05/25/10	\$158,083	to fund the buy-down of a street lighting project	X	31,394
Leverett	12/20/11	\$138,750	to fund a solar PV roof-mounted system at the Public Safety Complex and energy efficient lighting upgrades at the Town Hall, Library, and the Public Safety Complex.		1,851
Lincoln	05/25/10	\$140,294	to fund building energy efficiency measures in school and town buildings.	X	6,362
Lowell	05/25/10	\$546,506	to fund residential and commercial retrofit grant programs and to buy-down the cost of an energy management services contract.	X	106,519
Marlborough	12/16/10	\$217,125	to fund energy conservation measures at several municipal buildings; the incremental costs to purchase a hybrid vehicle, a site evaluation for a solar PV system, and to fund an Energy Efficiency Manager position		38,499
Mashpee	05/25/10	\$170,124	to fund energy efficiency measures in municipal buildings and hire an engineering firm.	X	14,006
Maynard	12/20/11	\$160,025	to fund several energy efficiency projects at the Green Meadow School and the Fowler Middle School including an		10,106
Medford	05/25/10	\$271,651	to fund energy efficiency measures in school buildings and to update the municipal climate action plan.	X	56,173
Medway	12/16/10	\$158,450	to fund energy conservation measures and energy audits at several town buildings including; LED lighting replacements, anti-idling devices on all town vehicles, and window replacements.		12,752

GREEN COMMUNITY DESIGNATIONS REACH EIGHTY-SIX

MA Green Communities	Designation Date	Green Community Grant Award	Grant Project Summary	Project Complete	Census 2010 Population
Melrose	05/25/10	\$176,265	to fund an energy efficient roof at Melrose high School, energy consulting services, LED post-top streetlight retrofits, and to support the salary of an energy efficiency coordinator.		26,983
Mendon	07/19/11	\$145,925	to fund a multi-phased project for municipal buildings; Town Hall, Library, Police Station, Fire Station, Highway Building, and Senior Center. First, to fund an energy program manager position and energy audits for all six buildings. Second, to fund implementation of energy conservation / efficiency measures including; new lighting in four buildings and a high-efficiency furnace in the library, and other energy conservation measures determined appropriate and cost effective in the six buildings.		5,839
Middlefield	07/19/11	\$138,025	to fund energy conservation measures in multiple municipal buildings including insulation, efficient hot water heaters and furnaces, efficient windows and doors and a 9.6 kW Solar PV System on Town Hall.		521
Millbury	07/19/11	\$167,025	to fund energy conservation measures in multiple municipal buildings including occupancy sensors, retro-commissioning, energy efficient lighting, vending misers, energy efficient exterior lighting, and controls and efficient motors for kitchen system operations.		13,261
Milton	12/16/10	\$157,100	to fund energy conservation measures at several municipal buildings and funding towards the installation of a wind turbine on municipal land		27,003
Monson	07/19/11	\$165,975	to fund an energy management system for the Quarry Hill Elementary School and the incremental costs to purchase an energy efficient vehicle for the Senior Center.		8,560
Montague	05/25/10	\$154,944	to buy down the cost of a performance contract on eight municipal buildings.	X	8,437
Natick	05/25/10	\$173,526	to fund a solar PV power purchase agreement at the middle school, the incremental cost of a hybrid vehicle, and for carbon dioxide sensors at town hall.		33,006
New Salem	12/16/10	\$138,100	to fund the installation of a 20kW solar PV system on town-owned land.		990
Newburyport	12/16/10	\$155,000	to fund the following energy conservation measures at the Police Station and City Hall; air sealing, modification of HVAC system, lighting replacement, and other mechanical system improvements		17,416
Newton	05/25/10	\$179,500	to leverage with other funding to do energy efficiency measures at the Lower Falls Community Center as part of an energy management services contract.		85,146
Northampton	05/25/10	\$198,500	to fund a 51 kW Solar PV project on the vocational and agricultural high school.	X	28,549
Palmer	05/25/10	\$169,103	to fund energy conservation measures at Town Hall; a boiler and chiller replacements		12,140
Pittsfield	05/25/10	\$256,632	to fund installation of an energy management system and replace 53 unit heaters at City Hall.	X	44,737
Provincetown	12/20/11	\$143,600	for an energy efficient heating system replacement at Veteran's Memorial School.		2,964
Quincy	12/20/11	\$370,325	for energy efficient LED streetlights.		92,271
Revere	07/19/11	\$366,600	to fund energy conservation measures in City Hall, the Senior Center, and the Youth Center including energy management systems, steam trap upgrades, computer management systems, pipe and attic insulation, lighting retrofits, weather sealing, and controls on vending machines.		51,755
Rowe	12/20/11	\$135,725	to fund energy education and outreach workshops for residents; a feasibility study for the development of a residential home energy incentive program; a solar PV roof-mounted system on Department of Public Works Building; installation of efficient water heaters and window quilts at municipal buildings; exterior light upgrades at the Fire Station; and other energy conservation measures and energy upgrades.		393
Salem	05/25/10	\$245,624	to fund LED streetlights, buy-down of an energy managements services contract, a home energy efficiency pilot program, and a bike sharing pilot program.		41,340
Scituate	12/16/10	\$163,025	to fund the following energy conservation measures: installation of high efficiency soft foam insulation in the roof of Town Hall, installation of insulation and weatherization in the attic of Widow's Walk Club House, and installation of a gas-fired VAV rooftop unit for heating and cooling in Town Hall		18,133
Sherborn	07/19/11	\$137,450	to fund energy conservation measures at multiple municipal buildings including energy efficient lighting in the Fire Station, Police Station, Town Hall, and the Pine Hill School; heating and ventilation efficiency upgrades in the Fire Station and Pine Hill School; an energy efficient boiler for the Library; and anti-idling devices for municipal vehicles.		4,119

GREEN COMMUNITY DESIGNATIONS REACH EIGHTY-SIX

MA Green Communities	Designation Date	Green Community Grant Award	Grant Project Summary	Project Complete	Census 2010 Population
Shirley	12/20/11	\$152,975	to fund administrative support for a performance contract and the installation of idle reduction units in municipal vehicles.		7,211
Shutesbury	07/19/11	\$142,275	to fund energy conservation measures in multiple municipal buildings including heating ventilation and air conditioning and hot water systems efficiency upgrades, energy efficient lighting, air sealing, and a 10 -15 kW pole-mounted Solar PV system at the Fire Station.		1,771
Somerville	07/19/11	\$362,175	to fund LED street lights.		75,754
Springfield	05/25/10	\$988,102	to fund energy efficient boilers and vending machines and for five energy management systems. Amendment to include Deberry Elementary.	X	153,060
Sudbury	05/25/10	\$136,238	to fund energy efficiency measures in municipal buildings and the incremental cost of a fuel efficient vehicle.	X	17,659
Sutton	07/19/11	\$143,050	to fund energy conservation measures including installation of a heat recovery system at the Municipal Complex and energy efficient parking lot lighting; energy audits of the Wastewater Treatment Plant, Sutton Senior Center and Fire Stations and funds toward implementation of measures identified; and a hydro feasibility study of the Stevens and Manchaug Dams.		8,963
Swampscott	12/16/10	\$143,800	to fund the following energy conservation measures: high efficiency lighting retrofits and automatic lighting controls in the middle and high school, steam trap replacement in the elementary schools, and funding for a part-time Energy Manager	X	13,787
Tewksbury	07/19/11	\$207,725	to fund energy conservation measures in multiple municipal buildings including building retro-commissioning of the Police Station, Center and South Fire Stations, and the Wynn, Ryan, Heath Brook and Trahan schools; energy efficient lighting at the Dewing School; and ventilation upgrades at the Police Station.		28,961
Topsfield	07/19/11	\$132,975	to fund energy audits and energy conservation measures in the Proctor and Steward elementary schools and several municipal buildings including indoor and outdoor lighting upgrades, and weatherization.		6,085
Truro	07/19/11	\$141,200	to fund energy conservation measures and energy audits at multiple municipal buildings including insulation, heating system upgrades, hot water system upgrades, and anti-idling devices for police cruisers.		2,003
Tyngsborough	05/25/10	\$161,649	to fund building envelope improvements in municipal buildings.		11,292
Watertown	12/16/10	\$192,825	to fund high efficiency light replacements of street and parking lot lighting		31,915
Wayland	12/16/10	\$131,775	to fund the following energy conservation measures at municipal and school buildings: retro commissioning in the middle school, lighting upgrades in the middle and elementary schools, and design of an energy retrofit to improve energy efficiency in Town Hall		12,994
Wenham	05/25/10	\$138,974	to fund the buy-down of an energy management services company contract.	X	4,875
Weston	12/20/11	\$138,675	to fund multiple energy efficiency measures in municipal buildings.		11,261
Williamstown	12/16/10	\$142,000	to fund energy conservation measures at several municipal buildings, installation of a 6 kW solar PV array at the Cemetery office building, and to fund an energy education and outreach program		7,754
Winchester	12/16/10	\$151,475	to fund an Energy Conservation Coordinator position and the following energy conservation measures; retro-commissioning of the HVAC system and addition of variable frequency drives (VFDs) on Heat Pumps at McCall Middle School.		21,374
Woburn	07/19/11	\$231,925	to fund energy efficient lighting and lighting controls at the Police Station and Middle School; and LED street lights.		38,120
Worcester	05/25/10	\$852,083	to fund an energy retrofit grant program for residents undertaking home renovation projects under the newly adopted stretch code and for a community energy education and outreach campaign.		181,045
86		\$17,689,893			2,736,472 41.8%