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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, APRIL 2013

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 Communities program requirements found in M.G.L c. 25A § 10(f) since the Division's last report of June 2012:

TIMELINE AND ACTIVITIES

April – May, 2012	Regional recognition events for 12 Green Communities designated in December 2011 held throughout the Commonwealth
May 22, 2012	Program Guideline issued regarding participation in the Green Communities Designation and Grant program by municipalities served by both investor-owned utilities and municipal light plants. In conjunction with the Guideline, a Request for Information regarding the provisions of MGL c. 25A, Section 10(e) and participation of municipalities served by municipal light plants was issued.
May 29, 2012	Deadline for designation applications to be eligible for Summer 2012 grant round
June 24, 2012	First ever competitive grant awards announced for 19 Green Communities (Press Link)
July 24, 2012	17 new municipalities designated Green Communities in announcement by Governor at the State House, bringing total to 103. Announcement was made in conjunction with a high-level State House celebration of the program surpassing the milestone of 100 Green Communities, with designated Green Communities from across the Commonwealth invited to attend. (Press Link)
August 2012	Regional recognition events for 17 Green Communities designated in July 2012 held throughout the Commonwealth
August 2, 2012	Latest Program Guidance materials issues establishing an annual designation deadline of October 30 followed by a grant application deadline of January 21.
Sept 21, 2012	Deadline for 17 newest Green Communities to submit grant applications.
Oct 30, 2012	Deadline to submit Designation applications to be eligible for grant deadline of January 21, 2013
Nov 30, 2012	Deadline for submittal of Annual Reports for period 7/1/11 – 6/30/12 by the 74 Green Communities designated for at least one year.
Dec 13, 2012	Seven new municipalities designated Green Communities bringing total to 110 (Press Link)
Jan 21, 2013	Deadline for 7 newest Green Communities to submit grant applications
Jan 31, 2013	Competitive grant application released for previously-designated Green Communities who have expended their Designation or previously awarded competitive grant funds.
March 30, 2013	Deadline for competitive grant applications from previously-designated Green Communities

Feb – April, 2013

Regional recognition events for seven Green Communities designated in December 2012 held throughout the Commonwealth

GREEN COMMUNITIES DESIGNATION AND GRANT PROGRAM ACCOMPLISHMENTS

Designation and Grant Program – Since the Division’s report of April 2012, with two additional designation rounds the number of municipalities that have been designated Green Communities and received grant awards has reached 110. This is an increase of 24 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 110 Green Communities continue to be diverse geographically, socio-economically, and in size. Appendix A is a map of these 110 communities as well as a list of their grant awards and approved projects. With the 110 designated Green Communities, more than 45 percent of the Commonwealth’s population is living in a Green Community

As part of the designation process, the Division offers a Preliminary Consultation period during which municipalities can submit draft materials for review. Division staff provide feedback and comment on the materials and the applicant’s potential ability for meeting the Green Communities designation criteria. Fourteen municipalities total availed themselves of a Preliminary Consultation in the two designation rounds this past year.

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

Since the beginning of the Designation and Grant program, 40 municipalities have completed projects funded by their Green Communities Designation grants. Twenty-five of these were designated in May 2010, seven were designated in December 2010, one each designated in July 2011 and December 2011. In addition, three municipalities, all of which were designated in May 2010, have complete projects funded by their Green Communities competitive grants. The table below provides a summary of the costs and benefits of the completed projects.

# of Complete Green Communities Grant Projects	Sum of Total Project Costs	Sum of Funds Awarded	Sum of Utility Incentives	Total Annual Cost Savings	Annual Energy Savings for # of MA homes equivalency	Annual GHG reductions for # of car equivalency
40 (Designation)	\$14,126,859	\$ 9,161,398	\$ 2,018,229	\$ 2,067,331	508	1,256
3 (Competitive)	\$ 283,749	\$ 156,020	\$ 114,858	\$ 43,469	13	29
TOTAL	\$14,410,608	\$ 9,317,418	\$ 2,133,087	\$ 2,110,801	521	1,285

The projects primarily consisted of energy efficiency and energy conservation measures and included: lighting retrofits in schools and public buildings, energy management systems and HVAC upgrades, solar PV installations, and energy education.

The Division also completed its second annual reporting process for the designated Green Communities to verify continued compliance with the five qualification criteria laid out in the Green Communities Act. During

this period the 74 communities designated in May 2010, December 2010, and July 2011 provided annual reports for the period July 1, 2010 – June 30, 2011 with reports due by November 30th. In addition to verifying continued compliance, the Green Communities Division uses the annual reporting process to learn more about any challenges municipalities are facing with the criteria and to determine the best way to continue to collect data for the annual reports.

For example, Criteria 3 requires municipalities to establish an energy use baseline and develop and implement an Energy Reduction Plan for reducing that baseline by 20 percent within five years. Through the Energy Reduction Plans, the 110 Green Communities have committed to a total energy reduction equivalent to the annual energy consumption of more than 13,600 Massachusetts homes. The annual reporting process aids us in determining the progress the municipalities are making with their Energy Reduction Plans and provides an opportunity to review and discuss with them any needs for revising their Plans. To date, the Green Communities are making great progress on their Energy Reduction Plans. Annual reporting has allowed some municipalities to realize that the baseline year they selected was not appropriate for achieving maximum energy savings and they have requested and received approval to revise their baseline years. Annual reporting has also identified some deficiencies in understanding how the fuel efficient vehicle purchase policy (Criteria 4) applies across town departments, and has resulted in action plans to ensure that only vehicles that meet the policy are purchased. Finally, the process has helped municipalities to improve their record-keeping regarding Stretch Code projects (Criteria 5). 103 municipalities will be required to submit annual reports by November 30, 2013 for the July 1 2012 – June 30 2013 reporting period.

Since our last report the Division awarded its first competitive grants for designated Green Communities that had expended all previous Green Communities grant funding and completed their annual reporting. A total of \$2.75M was awarded to 19 communities, with awards ranging from \$13,500 to \$250,000. For the second competitive grant round, 21 applications were received on March 29th and are currently under review. The Division plans to offer the Competitive Grant Program on an annual basis each Spring, pending available funds.

Program Support – Additional strategies, programs and services of the Division include:

- *Preference Programs for designated Green Communities* – The Green Communities Division recognizes the effort that municipalities make 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; 2) offering to Green Communities the opportunity to apply for Solarize Mass, through which residential and small commercial PV systems are procured in bulk to lower installation costs. (Seventeen Green Communities were selected to participate in Solarize MA in 2012. For 2013, non-Green Communities were invited to apply. Ten communities were recently selected, including two that are not Green Communities) ([Press Link](#)); and 3) providing awards to a minimum number of Green Communities under the Community Energy Strategies Planning (CESP) pilot, a partnership between the Mass Clean Energy Center (MassCEC) and the Green Communities Division to provide technical assistance in implementing a stakeholder energy master planning process. (Three individual Green Communities and three regional planning authority groups comprising a combination of Green Communities and non-Green Communities were selected to participate in this program) ([Press Link](#))
- *MassEnergyInsight* – The Green Communities Division continued to provide training on 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 through customized, easy-to-use reports on electricity, natural gas and oil use. After providing classroom trainings, followed by webinar trainings, the online training videos on discreet topics were made available to reach a wider audience and to be available as a reference tool. We have continued to refine MassEnergyInsight, which now allows municipalities to benchmark the energy consumption of specific buildings

against other municipal buildings of the same type across the Commonwealth. More than 200 municipalities are actively using the tool to track their energy consumption. (www.massenergyinsight.net).

- *GCD Website* - The Division website includes a page dedicated solely to the Green Communities Designation and Grant Program (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 designation criteria. The guidance materials have been updated on a regular basis as we receive feedback from municipalities and learn from the designation process. We have also posted “best-practice” application materials submitted by various communities. In addition, the website contains information and tools for all municipalities on all of our programs. Finally, the Division is in the process of launching a new “Faces of Green Communities” web page that once complete, will provide a close look at the demographics and other characteristics of the 110 Green Communities.
- *Listserv* – A subscriber listserv (over 1500 subscribers to date) allows the Division to rapidly distribute program information to the public. The service 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 MassDEP 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 webinar attendance has reached as high as nearly 300. 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 file and detailed Q&A documents, are posted on the DOER website for future reference.
- *Newsletters* - The Division publishes an electronic newsletter four times yearly (one each season) providing insight into Division programs and staff expertise, updates on Green Communities grant-funded projects, and other news related to Green Communities and the Division’s work.
- *Mass Municipal Energy Group (MMEGweb)* - In collaboration with the Massachusetts Municipal Association (MMA), a web service has been developed to facilitate knowledge sharing, collaboration, and networking among individuals involved in municipal energy and sustainability activities in Massachusetts. A Division grant funded the development of the online community which is administered by the MMA. MMEGweb provides a forum for peers in Massachusetts municipalities to share information about best approaches to various 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. Currently, more than 95 municipalities are registered MMEGweb users.
- *Green Ribbon Schools* - The Division partnered this year with the Department of Elementary and Secondary Education (DESE) to lead an effort to enable Massachusetts K-12 schools to participate in the US Department of Education’s (US ED) Green Ribbon Schools recognition program. Launched by US-ED in 2011, Green Ribbon Schools honors schools that are exemplary in reducing environmental impact and costs, improving the health and wellness of students and staff, and delivering effective environmental and sustainability education that incorporates Science, Technology, Engineering and Math (STEM), civic skills, and green career pathways. Massachusetts participated for the first time during the 2012-13 school year. DOER and DESE assembled a

working group of state agencies and non-profit partners who conducted outreach to schools in advance of a fall application process. Thirteen schools and one district applied for the recognition award and, according to US-ED rules, Massachusetts nominated to the federal agency four schools and one district in February. Seventy-eight Green Ribbon Schools awardees from 29 states and the District of Columbia, announced by US-ED on April 22, 2013, included four of Massachusetts' five nominees: The Berkshire School in Sheffield, Quincy High School, Manchester-Essex Regional High School, and Acton-Boxborough Regional School District.

- *Owner's Agent Technical Assistance (OATA)* – In February 2013 the Division awarded \$265,840 in OATA to 19 municipalities, 1 regional vocational school and 2 water/wastewater treatment plants with awards ranging from \$6,500 to \$12,500. Owner's Agents are independent third parties who aid in the negotiations, development and management of energy projects, or perform studies to support the development of projects. OATA was originally a program of assistance provided to municipalities by the Division through the American Recovery and Reinvestment Act Energy Efficiency and Conservation Block Grant (EECBG) program. Due to its great success under EECBG, the decision was made to offer it again. The Division plans to continue to offer future opportunities for OATA pending available funds. OATA is available to all municipalities, regional school districts and water/wastewater treatment plants, not just Green Communities.
- *Collaboration with Other States* - This past year, the Division contributed to efforts in other states seeking to emulate the Massachusetts Green Communities Designation and Grant Program. In particular, the Maryland Energy Office has launched the Smart Energy Communities program, the foundation of which was based on conversations with the Division, including a two-day site visit to Massachusetts in February 2013. In addition, the New York State Energy Research and Development Authority (NYSERDA) has consulted with the Division on the development of its Cleaner, Greener Communities program. After implementing a planning phase, NYSERDA is now developing a project funding phase. The Division Director is assisting NYSERDA through participation on an evaluation panel related to solicitation and selection of a consultant to help develop and implement this second phase of the NY Cleaner, Greener Communities program.
- *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 from municipal officials, members of the public, legislators and the press. It is estimated that the Green Communities Division interacts with over 300 municipalities on an annual basis.

To boost participation in the Designation and Grant program and other services offered by the Division, and to foster broader dialogue around important regional energy issues, the Division worked with the University of Massachusetts Dartmouth (UMass-D) Sustainability Initiative during 2012 and early 2013 to develop, plan, organize and present three clean energy regional forums. Featuring keynote speakers and panelists from EEA, DOER, MassDEP and MassCEC, as well as municipal officials, the forums on energy efficiency, solar energy and wind power drew hundreds of local officials, citizens, and others from throughout the South Coast.

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.

Communities served by Municipal Light Plants – 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, but 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.

In May 2012 the Division issued a Guideline for municipalities served by multiple load serving entities, i.e. served by both an MLP and an investor-owned utility, stating that these municipalities are eligible to apply for designation without adopting the renewable energy charge. Lakeville is the only municipality meeting this criterion that has applied to date. It was designated a Green Community in July 2012. In conjunction with the Guideline, the Division issued a Request for Information regarding MGL c. 25A, Section 10(e). Most responses to the RFI received over the summer indicated a preference for opening up the Green Communities Designation and Grant program to ALL municipalities, regardless of their electricity providers. With the benefit of this information, DOER is considering ways to maximize participation by Massachusetts cities and towns in this program that yields a mix of reduced energy costs and environmental and economic development benefits.

FUNDS COMMITTED for GREEN COMMUNITIES DESIGNATION AND GRANT ACTIVITIES

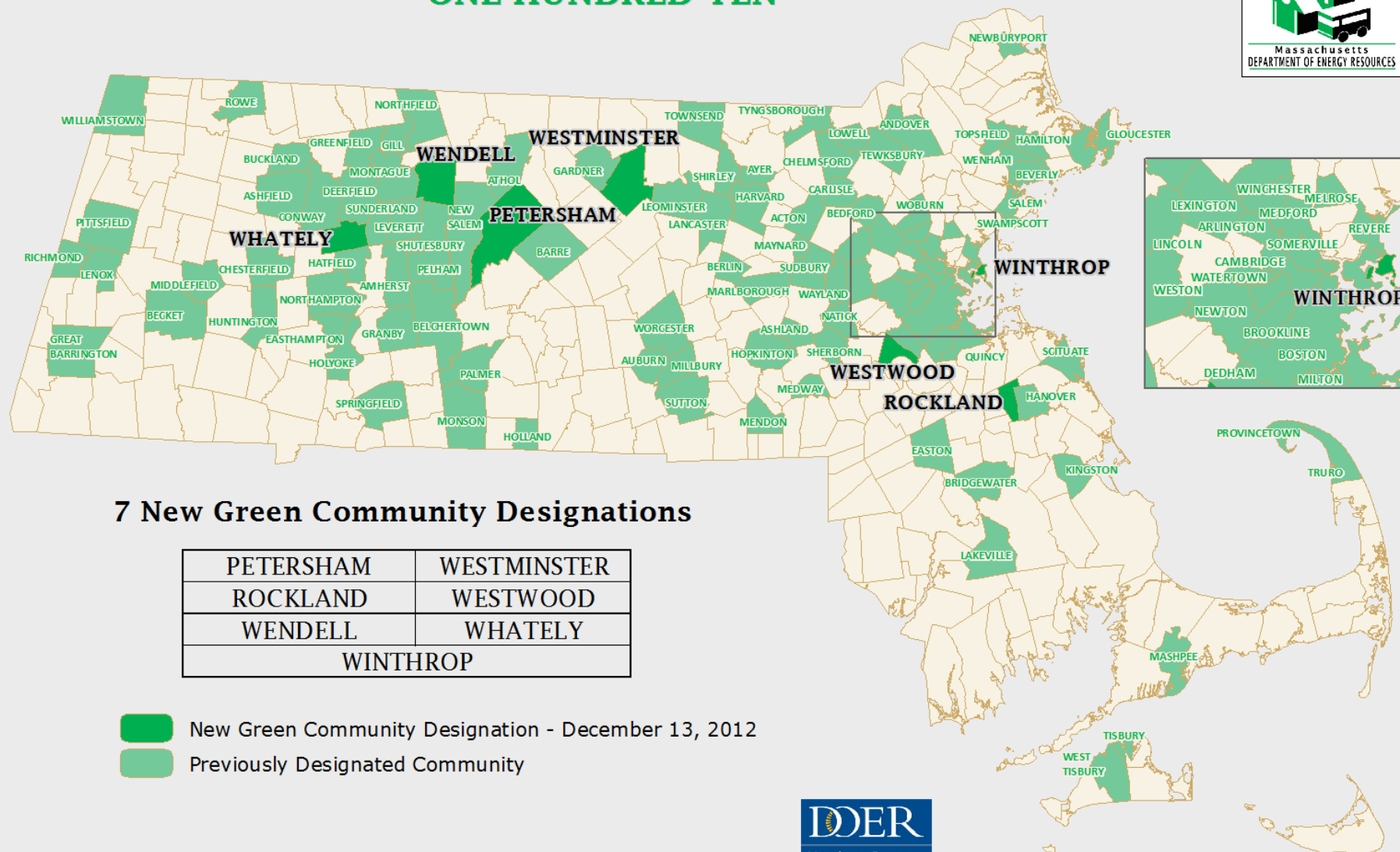
<u>Object</u>	<u>Funds Committed*</u>	<u>Fiscal Year</u>
Green Communities Grants Round 1 - 35	\$8,100,000	2010
Planning Assistance – Round II (Oct 2010 – June 2011)	\$424,500	2011
Green Communities Grants Round II - 18	\$3,600,000	2011
Green Communities Grants Round II - 21	\$3,700,000	2011
Green Communities Grants Round IV - 12	\$2,000,000	2012
Green Communities Competitive Grants - 19	\$2,750,000	2012
Green Communities Grants Round V - 17	\$2,750,000	2012
Green Communities Grants Round VI - 7	\$1,050,000	2013
Owner's Agent Technical Assistance to Green Communities - 10	\$120,840	2013
Green Communities Competitive Grants - TBD	\$4,000,000	2013

* 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 ONE HUNDRED TEN



7 New Green Community Designations

PETERSHAM	WESTMINSTER
ROCKLAND	WESTWOOD
WENDELL	WHATELY
WINTHROP	

- New Green Community Designation - December 13, 2012
- Previously Designated Community

20
Miles



J.Pfister, 12-13-12

GREEN COMMUNITY DESIGNATIONS REACH 110

MA Green Communities	Designation Date	Designation Grant Award	Grant Project Summary	100% Done	Census 2010 Population
		Competitive Grant Award			
Acton	05/25/10	\$150,794	to fund energy conservation measures and lighting upgrades at the Memorial Library, an HVAC analysis of Town Hall and installation of a tankless hot water heater and vending misers; lighting retrofits with LED technology at the Public Safety Facility building and Davis Memorial; and an energy education outreach program in the Acton-Boxborough Regional School District.	X	21,924
		\$141,498	To fund the following energy efficiency measures in municipal school buildings: in the RJ Grey School, installation of demand control ventilation, resetting the unit ventilator controls, air sealing with caulking, and re-commissioning of boiler and rooftop unit; boiler temperature reset controls and air sealing with caulking at Douglas, Gates, and Conant Schools.		
Amherst	07/24/12	\$302,000	to fund the conversion of the town's streetlights from high pressure sodium to LED technology.		37,819
Andover	05/25/10	\$160,329	to fund a municipal lighting retrofit project at six school buildings: the Doherty Middle School, High Plain Elementary School/Wood Hill Middle School, Sanborn Elementary School, South Elementary School, West Elementary School and at two municipal buildings: Public Safety Center and Town House.	X	33,201
		\$220,599	To fund the following energy efficiency measures in municipal buildings: retrocommissioning of the Public Safety Center, Memorial Hall Library, Town Offices, Andover High School, and Andover Town House, and installation of demand control ventilation in Memorial Hall Library, Andover High School, and Andover West Middle School.		
Arlington	05/25/10	\$200,188	for high-efficiency LED streetlights; and replacement of steam traps; and an upgrade for energy management system at the Hardy School.	X	42,844
		\$250,000	To fund the following energy efficiency measures in municipal buildings: Heating Ventilation and Air Conditioning upgrades in Arlington High School and installation of ten variable frequency drives and associated electrical connections and control equipment in the Bishop, Brackett, Ottoson, Peirce, Robins, and Hardy schools.		
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
Ashland	07/24/12	\$164,325	to fund implementation of energy conservation measures as part of a performance contract, and an LED pilot project in its downtown to convert the highest wattage high pressure sodium streetlights.		16,593
Athol	05/25/10	\$171,523	to fund energy efficiency improvements at the senior center and fire #2 station, energy modeling and a renewable energy district energy heating and cooling alternatives study for a shared system for town hall and library, a new propane furnace at the South Street Well Process building, streetlight replacements with energy efficient LED technology, a solar hot water system at the fire #2 station, and some grant administrative costs.	X	11,584
Auburn	07/24/12	\$165,550	to fund an energy study of the Police Station and the following energy conservation measures: an interior lighting retrofit and freezer/cooler controls in the High School; Energy Management System recommissioning and interconnection between the school systems and new Town Hall/Merriam Building systems; and building envelope improvements in Town Hall, Town Manager's Office, Library, and Fire Headquarters.		16,188
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	multiple energy efficiency projects including lighting upgrades, building insulation and weatherization and mechanical 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 the Highway Garage -- first to fund energy audits to identify energy usage and potential energy efficiency measures; second to fund implementation of the following energy conservation measures: in Town Hall, installation of a high EER/SEER central air conditioning system and occupancy sensors in all rooms; and in the Highway Garage, building envelope improvements including insulation, repair of and sealing of overhead garage doors, and a programmable thermostat.		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.	X	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
Berlin	07/24/12	\$140,350	to fund the following energy conservation measures: at the Memorial School, building envelope improvements and an HVAC energy management system; at Public Safety/Town Offices, installation of an AHU-1 economizer and upgrade of HVAC energy management system; and at the Library, installation of window air conditioner controls.		2,866

GREEN COMMUNITY DESIGNATIONS REACH 110

MA Green Communities	Designation Date	Designation Grant Award	Grant Project Summary	100% Done	Census 2010 Population
		Competitive Grant Award			
Beverly	12/20/11	\$206,285	to fund an energy management system and ventilation and air conditioning and equipment upgrades at multiple schools.	X	39,502
Boston	12/16/10	\$1,000,000	to fund the following energy conservation measures: auto igniters for natural gas streetlights, lighting controls at municipal ball fields, and an upgrade of the energy management system for Copley Library and four library branches.	X	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 conservation measures in municipal facilities, including HVAC upgrades in three municipal facilities: Haggerty School, Area IV Youth Center, and Frisoli Youth Center; installation of lighting upgrades in four municipal facilities: Solomon Garage, High School field house, Morse Elementary School, and DPW Complex; and to create an energy revolving fund program for future energy conservation measures in municipal facilities.	X	105,162
		\$98,043	To fund efficiency upgrades to the Heating Ventilation and Air Conditioning system and the Energy Management system at the Peabody School and Gately Youth Center.	X	
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 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 kilowatt (kW) roof-mounted solar photovoltaic (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
Conway	07/24/12	\$139,650	to fund energy conservation measures in municipal buildings		1,897
Dedham	12/16/10	\$179,800	to fund replacement of streetlights with LED technology.		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.		5,125
Easthampton	05/25/10	\$174,985	to fund replacement of streetlights with LED technology.	X	16,053
Easton	12/16/10	\$168,300	to fund the following energy conservation measures: replacement of roof-top air handling units in Fire/Police Station building, new energy efficient boiler in Town Hall, new energy efficient heaters in Water Division garage, high efficiency exterior light upgrades in Middle School parking lot, and high efficiency interior light upgrades in High School gym.	X	23,112
Gardner	12/16/10	\$206,100	to fund a ground-mounted solar PV assessment at specific sites and solar PV lease and the following energy conservation measures; installation of 2 propane fired hydronic condensing boilers for hot water and an evaluation of the heating system at the High School, installation of an energy efficient boiler, DHW tank, cellulose insulation air sealing and replacement windows at the Senior Center, and the purchase and installation of 2 natural gas-fired condensing boilers at City Hall.		20,228
Gill	07/24/12	\$139,900	to fund an Energy Saving Campaign for residents; the incremental cost of a hybrid public safety vehicle; installation of idle reduction units on six public safety vehicles; installation of bike racks at five facilities; energy audits at Town Hall, Slate Library, and Riverside Building and implementation of approved energy conservation measures identified from the audits.		1,500
Gloucester	12/16/10	\$198,200	to fund energy conservation measures in municipal buildings		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 identified by audits for the junior and senior high school and elementary school.		6,240
Great Barrington	07/24/12	\$142,700	to fund energy conservation measures in municipal buildings		7,104
Greenfield	05/25/10	\$202,066	to fund the buy-down of an energy management services contract for municipal buildings, specifically lighting and occupancy sensors for Greenfield Middle School; a community energy efficiency program; a feasibility study on municipal electric load aggregation, and a part time energy coordinator staffing position.	X	17,456
		\$40,000	To fund eight residents to receive up to \$5000 toward energy efficiency measures in conjunction with the municipality's Community Development Block Grant Rehab Program for low to moderate income residents.		

GREEN COMMUNITY DESIGNATIONS REACH 110

MA Green Communities	Designation Date	Designation Grant Award	Grant Project Summary	100% Done	Census 2010 Population
		Competitive Grant Award			
Hamilton	05/25/10	\$144,819	to buy down the cost of an energy savings performance contract for implementation of energy conservation measures at the Town Hall, Council on Aging, Recreation Department and Public Safety Building.	X	7,764
Hanover	05/25/10	\$148,598	to fund the incremental costs of a hybrid public safety command vehicle, to support an energy staff person; and for the following energy conservation measures: at Salmond Schools, replacement of steam traps; at Town Hall, a new high efficiency condensing boiler; and at Fire Station #4, new external doors.	X	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 replacement propane water boiler with heating zones at the Wastewater Treatment Plant, replacement of windows at Town Hall, installation of window quilts at Smith Academy, 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	for conversion of exterior parking lot lighting to LEDs at all twelve schools, for high-efficiency LED traffic and street lights, and to purchase BigBelly Solar Compactors for public parks and high traffic areas.	X	39,880
		\$171,800	To fund Heating Ventilation and Air Conditioning system upgrades in the Exhibit Hall in the Children's Museum including replacing the boilers with high efficiency gas boilers, replacing the rooftop air conditioning units, installing direct digital controls and demand control ventilation.		
Hopkinton	05/25/10	\$137,502	for various energy efficiency measures in the school buildings, DPW Garage, Police Department, Fire Department and Senior Center.	X	14,925
		\$156,792	To fund the upgrade of the Energy Management Systems in Town Hall and the Elmwood School to modern, digital systems.		
Huntington	07/24/12	\$140,650	to fund energy audits and lighting retrofits at seven municipal buildings: Town Hall, Library, Department of Public Works garage, Stanton Hall, Main and Norwich Hill Fire Departments, and Water Department; and implementation of approved energy conservation measures identified from these audits.		2,180
Kingston	05/25/10	\$163,528	for energy efficiency measures at the Kingston Elementary School, Kingston Public Library and Smith's Lane Fire Station.	X	12,629
		\$199,489	To fund the following energy efficiency measures: a high efficiency condensing boiler in the elementary school and exterior LED pole-top lighting at the public library.		
Lakeville	07/24/12	\$158,275	to fund the installation of idle reduction devices on police vehicles, administrative support and the following energy conservation measures: at Assawompset Elementary School, air sealing and window upgrades, installation of an Energy Management System to control hot water boilers and equipment, replacement of circulating pumps and controls, and air handling controls in the gym, and lighting upgrade; and lighting upgrades at the Public Library, Police Station, Town Office building / Fire Department, the Book Café.		10,602
Lancaster	05/25/10	\$141,114	to fund salary support of an energy staff person, the incremental costs of a hybrid public safety command vehicle, and the following energy conservation measures; boiler replacement in Town Hall, steam trap replacement in 2 school buildings, and exterior overhead doors replaced in Fire Station #4.		8,055
Lenox	05/25/10	\$134,766	for energy efficiency measures and training, energy expert consulting services, community wind forums and a mini-grants program for solar and hot water systems on commercial and residential properties.		5,025
Leominster	07/24/12	\$245,575	to fund an energy efficiency evaluation of the Wastewater Treatment Facility, stretch code and administrative support, and the following energy conservation measures: an energy management system, building envelope improvements, and mechanical upgrades and/or lighting retrofit in several schools and municipal buildings.		40,759
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 Town Hall, the Library, and the Public Safety Complex.		31,394
Lexington	05/25/10	\$158,083	to fund an energy efficient street lighting project.	X	1,851

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MA Green Communities	Designation Date	Designation Grant Award	Grant Project Summary	100% Done	Census 2010 Population
		Competitive Grant Award			
Lincoln	05/25/10	\$140,294	to fund various energy efficiency measures in municipal buildings, including the K-8 school complex, the town library and Town Hall.	X	6,362
		\$249,845	To fund the incremental cost of an electric vehicle; administrative support; and the following energy efficiency measures in municipal buildings: in the Public Safety Department building, a new energy management system, a heat pump for the dispatch center, insulation and air sealing; in the Hartwell School, a new energy management system; and in Bemis School, a steam to hot water conversion with a condensing gas-fired boiler and forced hot water radiators.		
Lowell	05/25/10	\$546,506	to fund energy conservation measures, part of an energy management services contract for municipal facilities. Specifically to install a new energy efficient chiller at the JFK Civic Center and for light system upgrades including light retrofits, lighting controls, and vending machine misers in four schools: Greenhalge Elementary, McAvinue Elementary, Murkland Elementary, and Pawtucketville Elementary.	X	106,519
		\$8,434	To fund administrative support and the following energy efficiency measures in municipal buildings: variable frequency driver pumps in the McAuliffe Elementary School, Butler Middle School, and Lincoln Elementary School.	X	
Marlborough	12/16/10	\$217,125	to fund an LED streetlight pilot as well as the following energy conservation measures: installation of variable frequency drives at 2 well pump stations; at Town Hall, lighting retrofit with LED lamps; in the Public Library, installation of Energy Management		38,499
Mashpee	05/25/10	\$170,124	to hire an engineering firm and fund energy efficiency measures in municipal buildings, high efficiency gas-fired boiler and heat pump replacements at the Police Station, and rooftop HVAC units at KC Coombs Elementary School.	X	14,006
		\$13,500	To fund the following energy efficiency measures in municipal buildings: air sealing in Town Hall; insulating the Heating Ventilation and Air Conditioning and domestic hot water pipes and sealing / insulating the exterior ductwork on the roof in the KC Coombs School; and installation of photo cell lighting controls at Town Hall and the Mashpee High/Middle and KC Coombs schools.		
Maynard	12/20/11	\$160,025	to fund several energy efficiency projects at the Green Meadow School and the Fowler Middle School including an energy management system, energy efficient indoor and outdoor lights, and building envelope improvements.		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
		\$250,000	To fund administrative support and the following energy efficiency measures in the Chevalier Theatre: an oil to high efficient gas conversion of the heating system; a separate, more efficient domestic hot water system; insulation of steam lines; and steam trap survey and repairs.		
Medway	12/16/10	\$158,450	to fund an LED streetlight pilot as well as the following energy conservation measures: installation of variable frequency drives at 2 well pump stations; at Town Hall, lighting retrofit with LED lamps; in the Public Library, installation of Energy Management System controls, a lighting upgrade and sensors, and 2 new rooftop HVAC units; in the Police Station, lighting retrofit, new HVAC controls, and building envelope improvements; in Fire Station #2, lighting upgrade and sensors; in the Senior Center, lighting upgrade with sensors and hot water boiler controls; in the Highway Barn lighting upgrade and sensors; window replacement with Low-e double pane windows at Populatic Water Station; and vending machine controls in 4 of the buildings.		12,752
Melrose	05/25/10	\$176,265	to fund the services of an Owner's Agent and consultant, partial salary of an energy efficiency coordinator, and the following energy conservation measures: an LED post-top streetlight retrofit, exterior soccer field lighting controls, and interior lighting upgrades at the Police Station and Library Children's Room.	X	26,983
Mendon	07/19/11	\$145,925	to fund a Green Communities program manager to oversee the grant projects, and the following energy conservation measures: installation of new energy efficient lights in the Library, Police Station, Fire Station, and Senior Center; installation of a new high-efficiency furnace for the Library that exceeds base code by at least 5 percent; an energy audit to identify potential additional energy conservation measures for the Town Hall, Library, Police Station, Fire Station, Highway Building and Senior Center; and implementation of DOER-approved measures from the completed audits.	X	5,839
Middlefield	07/19/11	\$138,025	to provide funds for a Residential Clean Energy Fund; to fund a 7.6 kW solar PV system on the Town Hall roof and to fund the following energy conservation measures: at the Town Garage, installation of attic insulation, window and door replacement, replacement of the furnace and hot water heater; at the Senior Center, installation of insulation in the walls, thermal window curtains, and replacement of the hot water heater; at the Town Hall, installation of insulation; at the Fire House, replacement of the hot water heater, furnace, and doors.		521

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		Competitive Grant Award			
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 offset costs associated with the installation of a wind turbine on municipal land and the fund the following energy conservation measures: conversion of 36 street lights with LCD technology; at the Police Station insulation and upgrades to the building envelope, installation of thermostats and setback controls on the boiler; at Town Hall installation of motion sensors; at the DPW design costs for highly efficient pump station pumps; at East Milton Fire Station installation of setback controls on the boiler; at Pierce Middle School energy efficient lighting replacements; at Collicot/Cunningham School retrofitting of 654 unit cabinet heaters in classrooms; and at the Council of Aging installation of insulation and vapor barrier in the attic area.		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, specifically energy conservation measures in Town Hall, Public Safety, and Carnegie Library buildings; lighting and lighting controls, building envelope and insulation, network controllers, an energy management system, and programmable thermostats.	X	8,437
		\$72,062	To fund the following energy efficiency measures at the Water Pollution Control Facility: Improvement of the building envelope and installation of a Return Activated Sludge variable frequency drive and motor.		
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.	X	33,006
New Salem	12/16/10	\$138,100	to fund the installation of a 18.7 kW ground-mounted solar PV system on town-owned land.	X	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.	X	17,416
Newton	05/25/10	\$179,500	to fund the last phase of a comprehensive 'deep energy' retrofit of 1950's building specifically the remaining envelope improvements such as replacement of original, single pane windows with triple pane fiberglass, high performance glazing system, masonry wall insulation, foundation insulation and soffit insulation.	X	85,146
Northampton	05/25/10	\$198,500	for a 51 kW solar power project on the Smith Vocational and Agricultural High School (SVAHS) and to purchase an energy auditor/building performance education kit for the SVAHS Home Building Program.	X	28,549
		\$98,000	To fund the following energy efficiency measures in municipal buildings: insulation and air sealing in the Academy of Music and Memorial Hall.		
Northfield	07/24/12	\$143,750	to fund the installation of a 4.8 kW PV array at Town Hall/Senior Center Pavilion, energy audits for several buildings and administrative support and the following energy conservation measures: at the Library, insulation in the attic and basement and window quilts; at Town Hall, air sealing and insulation in the attic and basement and installation of interior, transparent, double glazed, air tight window inserts; and implementation of approved energy conservation measures identified from the audits.		3,032
Palmer	05/25/10	\$169,103	to fund energy conservation measures at Town Hall including design services, conversion to a natural gas boiler, chiller, and condenser replacements with energy efficient units.	X	12,140
Pelham	07/24/12	\$138,100	to fund hiring an engineering consultant and roof insulation and air sealing at the Community Center.		1,321
Petersham	12/13/12	\$138,425	to fund ASHRAE Level II energy audits for Center School, Police and Fire Stations, Town Hall, Highway Barn, and Town Office Building and the following energy conservation measures: interior lighting retrofits in the same six buildings; and implementation of approved energy conservation measures identified from the audits in the six buildings.		1,234
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
		\$49,543	To fund a heating system conversion from electric to high-efficiency natural gas in the Lichtenstein Art Center.	X	
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

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		Competitive Grant Award			
Richmond	07/24/12	\$137,300	to fund an Investment Grade Audit at the Town Hall and Garage; and implementation of approved energy conservation measures identified from the audit.		1,475
Rockland	12/13/12	\$185,425	to fund the incremental costs of a hybrid vehicle for the Police Department, an energy audit of Esten School and Town Hall; and the following energy conservation measures in municipal buildings: at Highway Department office and garage, Public Library, interior lighting retrofit and new thermostats; at Jefferson Elementary School, installation of an Energy Management System; and at the Wastewater Plant, interior lighting retrofit and thermostats, rebuilding of three Return Activated Sludge (RAS) pumps, installation of a Variable Frequency Drive (VFD) on the Grit Blower, and removal of a carrier water pumps.		17,489
Rowe	12/20/11	\$135,725	To fund energy education and outreach workshops for residents; a feasibility and implementation strategy study for the development of a residential home energy incentive program; a Solar PV roof-mounted system on a Department of Public Works building; and the following energy conservation measures: building insulation and energy upgrades in the Parks Building; installation of an on-demand hot water heater in Town Hall; and exterior lighting upgrades in the Town Hall and Fire Station.		393
Salem	05/25/10	\$245,624	for energy efficient streetlights, to buy down the cost of an energy service company contract, a residential weatherization pilot program and a bike sharing pilot program.	X	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 technical services toward the preparation of a Request for Proposals to install solar PV on the town's closed landfill, a high-level energy assessment of the Pine Hill School; and the following energy conservation measures: lighting upgrades at the Fire and Police Stations, Town Hall, and the Pine Hill School; heating and ventilation work at the Fire Station and Pine Hill School; at the Library, conversion of the existing boiler from oil to gas; and installation of anti-idling devices on municipal vehicles.		4,119
Shirley	12/20/11	\$152,975	to fund energy conservation measures in several schools as part of a performance energy contract: building envelope improvements, water conservation measures, demand control ventilations, and programmable thermostats.		7,211
Shutesbury	07/19/11	\$142,275	to fund a 10-15 kW pole-mounted solar PV system at the Fire Station; an energy audit of the Fire Station to determine appropriate energy conservation measures for the heating and hot water system and implementation of DOER-approved measures from the completed audit, and the following energy conservation measures: at the Town Hall, a HVAC upgrade; at the Elementary School, air sealing, fan controls and variable frequency drives; and an interior lighting upgrade at the Fire Station.		1,771
Somerville	07/19/11	\$362,175	to fund an assessment of solar PV rooftop suitability on multiple municipal buildings; installation of a new Energy Management System in the high school; streetlight replacements with LED technology in Union and Davis Square areas; hybrid retrofits for 2 vehicles; and installation of Electric Vehicle Charging Stations in 2 municipal parking lots.		75,754
Springfield	05/25/10	\$988,102	to replace inefficient boilers at the Deberry, Mary Lynch, and Freedman Elementary Schools and the Fire Repair Building; installation of vending machine misers at the Freedman and Brunton Elementary Schools and the Fire Repair Building, and for five energy management systems at the Deberry, Mary Lynch, Brunton, and Zanetti schools, the Fire Repair Building and the Sixteen Acres Branch Library.	X	153,060
		\$161,582	To fund the following energy efficiency measures in municipal buildings: in Pine Point Library, a web-based energy management system and high efficiency condensing boilers; and a web-based energy management system at the Balliet S.A.F.E. Middle School.		
Sudbury	05/25/10	\$136,238	for energy efficiency measures in three municipal facilities, five town schools, the Fairbanks Community Center and the Lincoln/Sudbury Regional High School, and for the incremental costs of a fuel efficient vehicle.	X	17,659
		\$250,000	To fund the replacement of the roof-mounted Heat Recovery Ventilation (HRV) unit at the Sudbury Atkinson Pool Facility.		
Sunderland	07/24/12	\$146,450	to fund energy audits at six buildings; lighting retrofits at the Elementary School, Public Safety and Town Office buildings and the Wastewater Treatment Plant and Pump Station; and implementation of approved energy conservation measures identified from the audits.		3,684

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		Competitive Grant Award			
Sutton	07/19/11	\$143,050	to fund an assessment of the feasibility of hydro at Stevens and Manchaug Dams; an energy audit to identify potential additional energy conservation measures at the Wastewater Treatment Plant, Sutton Senior Center and Fire Stations; and the following energy conservation measures: replacement of existing parking lot pole light heads with induction/LED fixtures; and, at the Municipal Complex, installation of a heat recovery system.		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 staff training on energy management systems; a consultant to oversee grant implementation projects; and the following energy conservation measures: retro-commissioning in the Police Station, Center and South Fire Stations, and the Dewing, Wynn, Ryan, Heath Brook, and Trahan schools; a lighting retrofit at the Dewing School; and ventilation upgrades at the Police Station.		28,961
Tisbury	07/24/12	\$140,925	to fund administrative support and implementation of approved energy conservation measures identified from energy audits at the Department of Public Works, Senior Center, Police Department, Town Hall and Annex, Vineyard Haven Library, Tisbury School, Wastewater Treatment Plant, and Water Department.		3,949
Topsfield	07/19/11	\$132,975	to fund building envelope weatherization at Proctor and Steward Elementary schools and four other municipal facilities; outdoor lighting retrofit program at Proctor and Steward Elementary schools, the Police, Fire, Library, and Department of Public Works buildings; ASHRAE Level 2 energy audits in same six buildings and Town Hall; and AECOM Indoor lighting retrofits at Proctor and Steward schools, and the Fire Station.		6,085
Townsend	07/24/12	\$156,825	to fund the installation of idle reduction devices on two police vehicles, administrative support, energy audits at Town Hall and the Police Station and implementation of approved energy conservation measures identified from the audits.		8,926
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	for building envelope improvements in town offices and the Tyngsborough Middle School and Administration Offices, and the incremental costs of a hybrid vehicle for the Fire Department.		11,292
Watertown	12/16/10	\$192,825	to fund high efficiency LED streetlight retrofits.	X	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
Wendell	12/13/12	\$138,875	to fund purchase of a thermal imaging camera; ASHRAE Level II energy audits for the Senior Center, Police Department, Garage / Fire Station, Town Hall, Library, and Town Office; and implementation of approved energy conservation measures identified from the audits in the six buildings.		848
Wenham	05/25/10	\$138,974	to buy down the cost of an energy savings performance contract for implementation of energy conservation measures at the Town Hall, Fire Station, Police Station, Council on Aging and Public Library.	X	4,875
		\$81,525	to fund the following energy efficiency measures in the Hamilton-Wenham Regional School District: motor and variable frequency drive (VFD) upgrades for four pumps; and kitchen ventilation controls at Buker, Cutler, and Winthrop elementary school buildings.		
West Tisbury	07/24/12	\$143,250	to fund the installation of idle reduction devices on six vehicles and implementation of approved energy conservation measures identified from audits for the Fire Station, Howes House, Public Safety building, and Town Hall.		2,740
Westminster	12/13/12	\$141,500	to fund the following energy conservation measures in municipal buildings: interior lighting retrofit and HVAC control improvements at the Library, Town Hall, Public Safety, and Public Works buildings; interior lighting retrofits at the Elementary and Meetinghouse Schools; installation of interior storm windows at the Library; and installation of new insulation at Public Safety and Public Works buildings.		7,277
Weston	12/20/11	\$138,675	to fund a boiler replacement in the Middle School with a gas-fired high efficiency condensing boiler.		11,261
Westwood	12/13/12	\$138,875	to fund the following energy conservation measures in municipal buildings: interior lighting retrofit and installation of occupancy sensors in the Deerfield and Hanlon Schools; installation of a new energy efficient boiler; and installation of outdoor air temperature based control system for more efficient boiler operation.		14,618
Whately	12/13/12	\$137,950	to fund energy conservation measures in municipal buildings		1,496

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		Competitive Grant Award			
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.	X	21,374
Winthrop	12/13/12	\$169,625	to fund the following energy conservation measures in municipal buildings: steam trap replacement and upgrades at Newton Cultural Center and Town Hall; installation of occupancy controls at the Police Station; and interior lighting retrofits at the Public Works Building and Arthur Cummings and Gorman/Fort Banks Schools.		17,497
Woburn	07/19/11	\$231,925	to fund the following energy efficient lighting upgrade projects: an LED street light pilot program to upgrade downtown street lights to LED technology; lighting system upgrades and retrofits to lighting fixtures and installation of new controls at the John F. Kennedy Middle School and Police Station.		38,120
Worcester	05/25/10	\$852,083	to fund a residential stretch code implementation program that provides grants to property owners to upgrade existing buildings to meet the performance requirements of the Stretch Energy Code and to fund an outreach campaign to market the program and educate residents.		181,045
110		\$21,485,393		40	2,959,566
		\$2,756,494		3	