



Helping Massachusetts Municipalities Create a Greener Energy Future

Green Needham Collaborative Meeting

*Olin College
May 20, 2009*

COMMONWEALTH OF MASSACHUSETTS

*Deval L. Patrick, Governor
Timothy P. Murray, Lt. Governor
Ian A. Bowles, Secretary
Phil Giudice, Commissioner*

The Green Communities Program – Partnering with Massachusetts Cities and Towns

Massachusetts

- Cleaner energy is an important part of our future
 - Key priority of Patrick Administration
 - Green Communities Act
 - Global Warming Solutions Act
 - Green Jobs Act
 - Landmark Green Communities Act in 2008 provides a strong foundation
 - Important progress is underway focusing on energy efficiency, investment in renewables and creation of the green communities program

Municipalities and the GCA

- Items for Cities and Towns
 - Net Metering
 - Municipal Commission
 - Solar PV Procurement
 - Siting Commission
 - Can design, own, operate and sell electricity for RE facilities up to 10 MW
 - Direct procurement of energy conservation with utilities
 - Creation of Green Communities Program



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Green Communities Program

Serving as the hub to all Massachusetts cities and towns on all matters related to energy



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Green Communities Program

- DOER Programs for Municipalities
 - Energy Audit Program (EAP)
 - Energy Performance Contracting Technical Assistance
 - Green Communities Grant, Loan and Technical Assistance Program
 - Energy Information Reporting System (EIS)
 - Regional Coordinators
 - ARRA Stimulus support

Energy Audit Program (EAP) provides:

- Technical assistance for all buildings owned and operated by cities, towns, regional school districts and waste water treatment plants through:
 - Benchmarking of structures
 - Detailed energy audits (provides list of energy efficiency measures, their costs, estimated energy savings and funding sources, such as utility rebates)
 - Non-conservation assessments such as revenue producing strategies like demand response
 - Clean technology feasibility studies when/where appropriate
 - Close collaboration with the utilities
- **Contact:** Scott Durkee, scott.durkee@state.ma.us,
617-626-7341



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Energy Performance Contracting Technical Assistance – MGL c25A sections 11C and 11i

- Provide a guide, model RFR/RFQ and model contract documents
- Review bid documents
- Educate and guide communities through the process

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617-626-7305

Green Communities Grant Program

- Provides up to \$10M annually in grants and loans to qualifying communities
- Qualification Criteria
 - File an application
 - Adopt as-of-right siting, in designated locations, for RE/AE generation, or RE/AE R&D, or RE/AE manufacturing
 - Adopt expedited (12 month) application/permitting process
 - Establish an energy use baseline inventory with a program to reduce baseline by 20% in 5 years
 - Purchase only fuel-efficient vehicles
 - Require all new residential construction > 3000 ft², and new commercial and industrial real estate construction to minimize life-cycle energy costs

Green Communities Program Development

- Funds allocated for Green Communities from RGGI auctions of 9/25 and 12/17
- Beginning rollout of program
 - RFI to municipalities
 - RFR for consultants to provide tech assistance
 - Website, tools added over time:
 - Draft qualification criteria
 - Model as-of-right by-laws
 - Spreadsheet for vehicle mpg criteria
 - Link to stretch code
 - Energy Information Reporting System
- Grants will fund significant energy efficiency initiatives, renewable energy, innovative projects

Becoming a Green Community – Why Do it?

- Economic Benefits – save energy
- Environmental benefits – reduce greenhouse gas emissions
- Recognition – Sustainability leader in the Commonwealth
- Grants - to become even greener

Energy Information Reporting System

EIS will be provided to all 351 cities and towns free of charge. It will provide access to comprehensive up-to-date energy usage and cost Information. Among the uses are:

- (1) Benchmarking consumption and identify priority targets for efficiency investments
- (2) Measure results
- (3) Develop and monitor emissions inventory and track and report emission reductions.

Standard Features of this web based, point and click system include:

- Electronic download of utility data
- Standard and custom reporting
- Integration of utility billing and usage data with building and energy end-use information

REGIONAL COORDINATORS

- In the process of hiring four Regional Coordinators to act as liaisons directly with cities and towns on energy efficiency and renewable energy activities
- Will be located at each of the DEP Regional Offices:
 - SERO – LAKEVILLE
 - NERO – WILLMINGTON
 - CERO – WORCESTER
 - WERO - SPRINGFIELD

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ARRA – Funding Opportunities for Municipalities

- **Alternative Fueled Vehicles Pilot Grant Program**
 - Due to DOER May 18; www.mass.gov/doer
- **Clean Renewable Energy Bonds (CREBs)**
 - Interest-free bonds for clean energy production facilities; awards made from smallest to largest
 - Applications due August 4th to IRS
- **Energy Conservation Bonds - \$67M for MA**
 - Interest-free bonds for capital expenditures for a wide range of activities that reduce greenhouse gas emissions allocated to states by population and to large local governments
- **Energy Efficiency Block Grants - \$400M**
 - competitive nationwide; awaiting guidance
- **Energy Efficiency Block Grants - Formula**

Energy Efficiency and Conservation Block Grant (EECBG)

- Direct Grants to Cities and Towns with a population > 35,000 – Application Deadline: June 25, 2009
- DOER / Green Communities will develop and administer grants for Cities and Towns with a population < 35,000 – Application Deadline for DOER: June 25, 2009

EECBG – Communities > 35,000

Forty two (42) Massachusetts communities are eligible for EECBG direct funding from the US DOE. Green Communities is providing support by:

- Establishing state point of contact to assist with grant registration and project application process
- Conducting informational webinars to educate cities and towns on grant opportunities and process
- Following up individually with the cities and towns to ensure grant requirements and deadlines are met



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EECBG > 35,000 Communities

- Amherst - \$162,000
- Arlington - \$159,700
- Attleboro - \$179,600
- Barnstable - \$202,400
- Beverly - \$169,600
- Billerica - \$180,200
- Boston - \$6,506,200
- Brockton - \$865,000
- Brookline - \$494,400
- Cambridge - \$1,139,400
- Chelsea - \$164,000
- Chicopee - \$499,100
- Everett - \$149,300
- Fall River - \$861,300
- Fitchburg - \$168,000
- Framingham - \$657,000
- Haverhill - \$542,700
- Holyoke - \$175,700
- Lawrence - \$651,300
- Leominster - \$175,500
- Lowell - \$954,700
- Lynn - \$788,100
- Malden - \$501,500
- Marlborough - \$178,000
- Medford - \$504,000
- Methuen - \$179,200
- New Bedford - \$869,300
- Newton - \$799,600
- Peabody - \$494,200
- Pittsfield - \$189,100
- Plymouth - \$514,300
- Quincy - \$881,200
- Revere - \$485,500
- Salem - \$174,300
- Somerville - \$651,100
- Springfield - \$1,498,200
- Taunton - \$519,600
- Waltham - \$630,500
- Westfield - \$170,300
- Weymouth - \$485,800
- Woburn - \$174,600
- Worcester - \$1,733,000

EECBG < 35,000

Three hundred and nine (309) Massachusetts municipalities have populations with fewer than 35,000 residents.

- The amount of funding for these sub-grants, and for DOER programming and assistance, is \$14,752,100, of which 60% must be provided in sub-grants.
- Green Communities will administer this grant program and will provide outreach in the form of webinars, direct contact and email.

Proposed Grant Programs

Grant Program	Program Budget	Eligible Municipalities	
		All 351	< 35,000
1. Competitive funding will be available for the following projects: <ul style="list-style-type: none"> • Solar PV • Other renewables • Performance Contract buy-down 	\$12,252,000		X
2. Provide DOER's Energy Information Reporting System free	\$1,500,000	X	
3. Energy code training for all local building inspectors	\$1,000,000	X	
4. Technical Assistance Grants for owners agents, energy reduction plans or other activities to support the competitive grant projects		X	

Green Communities Resources

- Staff Contacts
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www.mass.gov/energy/greencommunities