

Helping Massachusetts Municipalities Create a Greener Energy Future



*Cape Cod Regional Stretch
Code Forum - Sandwich*

September 22, 2010

COMMONWEALTH OF MASSACHUSETTS

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

**The Green Communities Division –
Partnering with Massachusetts
Cities and Towns**

*Seth Pickering
Southeast Regional Coordinator
Green Communities Division*

Massachusetts

Cleaner energy is part of our future

- Priorities of the Patrick Administration
 - **Green Communities Act**
 - **Global Warming Solutions Act**
 - **Green Jobs Act**

- The landmark Green Communities Act provides a strong foundation focusing on energy efficiency, investment in renewables and the creation of the **Green Communities Division**.



Green Communities Division

Serves as the hub for all Massachusetts cities and towns on energy matters



GOING GREEN, WHAT DOES IT MEAN?

- Cities, towns and other local governmental bodies can reduce their energy costs by:
 - Establishing an Energy Committee / Designating an Energy Officer
 - Establishing an energy baseline for municipal buildings, streetlights and vehicles
 - Performing Energy Audits on municipal buildings
 - Implementing energy efficiency measures (e.g. town investments, utility rebates and incentives, grant programs and performance contracting)
 - Changing behaviors: (e.g. energy conservation policies)
 - Exploring renewable energy opportunities



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Green Communities Division

- Programs/Resources for Municipalities
 - MassEnergyInsight System
 - Green Communities Grant and Planning Assistance Program
 - Municipal Energy Efficiency Program
 - Energy Performance Contracting Technical Assistance
 - ARRA Stimulus Funding
 - Website / listserv
 - Regional Coordinators



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MassEnergyInsight

● ● ● ● ● POWERING EFFICIENCY

MassEnergyInsight (MEI) is available free of charge to all 351 cities and towns. It provides access to up-to-date energy usage and cost information. One hundred and sixty cities and towns are currently using the tool. Among the uses are:

- (1) Benchmarking consumption and identify priority targets
- (2) Measuring results
- (3) Developing and monitoring emissions inventory and tracking and reporting emissions reductions.

Standard Features of MEI include:

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

Monitoring: Electricity Use

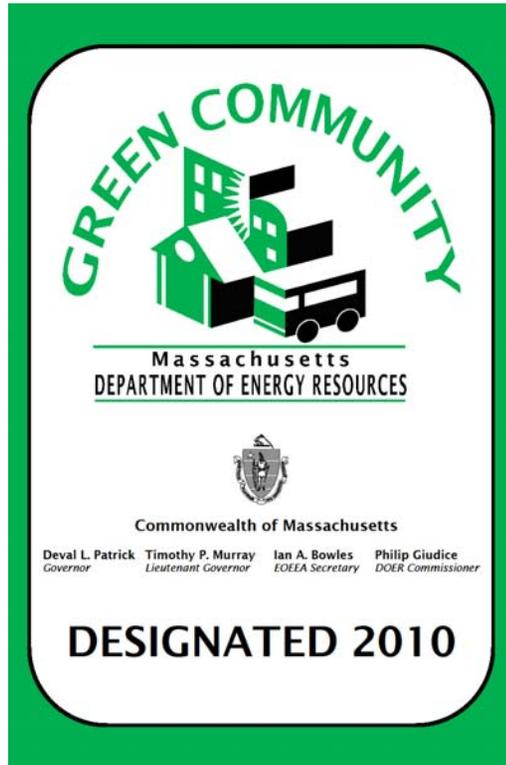


www.massenergyinsight.net

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GREEN COMMUNITIES GRANT PROGRAM



Provides grants to **qualifying** communities to fund energy efficiency initiatives, renewable energy, innovative projects

Qualification Criteria

1. Adopt as-of-right siting, in designated locations, for RE/AE generation, or RE/AE R&D, or RE/AE manufacturing
2. Adopt expedited (12 month) application/permitting process
3. Establish an energy use baseline with a plan to reduce baseline by 20% in 5 years
4. Purchase only fuel-efficient vehicles
5. Require all new residential construction > 3000 ft², and new commercial and industrial real estate construction to minimize life-cycle energy costs (**Adopt Stretch Code**)

Application available at:

<http://tiny.cc/GreenToolkit>

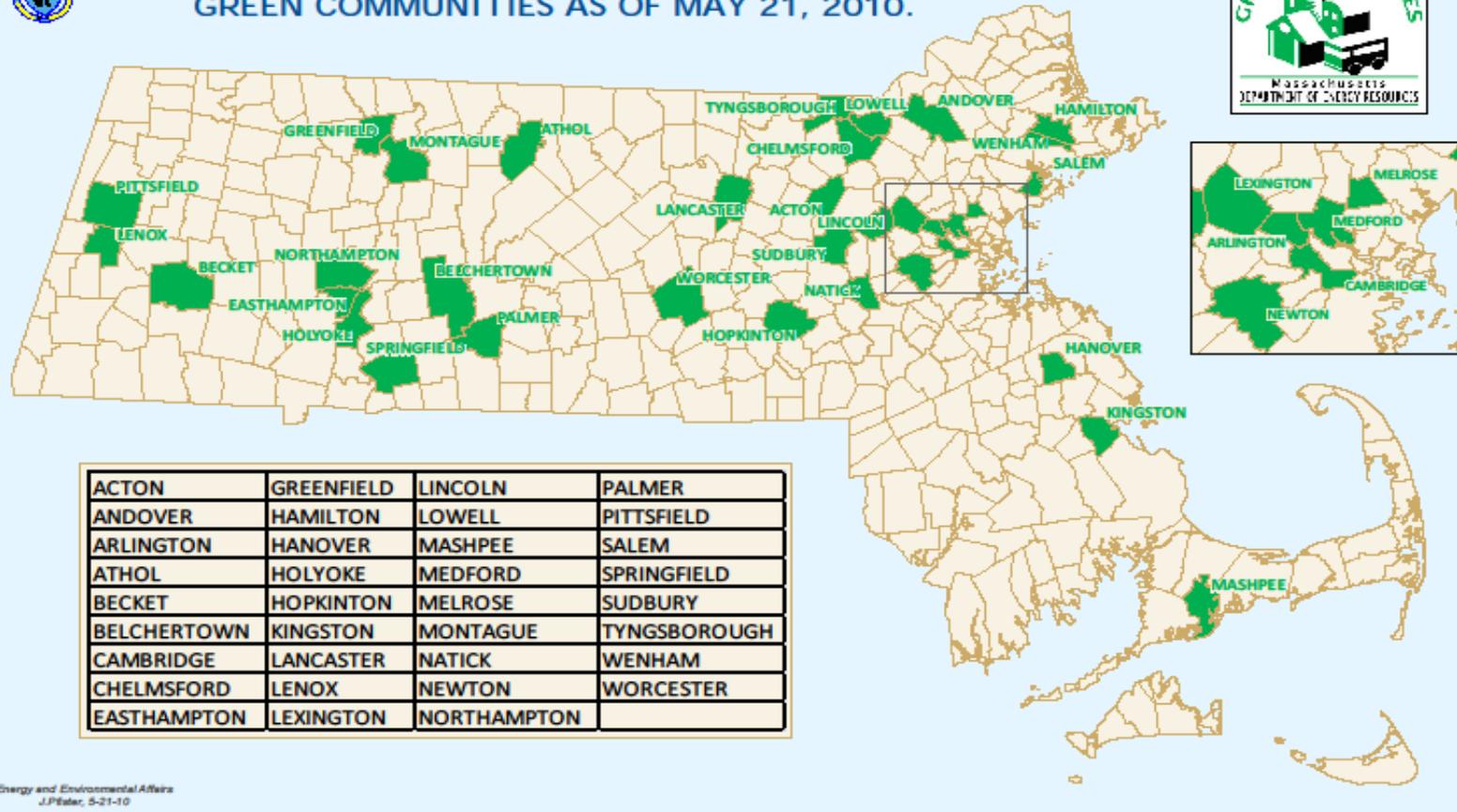
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DESIGNATED GREEN COMMUNITIES



THIRTY-FIVE MUNICIPALITIES DESIGNATED
GREEN COMMUNITIES AS OF MAY 21, 2010.



Energy and Environmental Affairs
J.Pfeifer, 5-21-10



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GREEN COMMUNITIES BREAKDOWN FOR FISCAL YEAR 2010

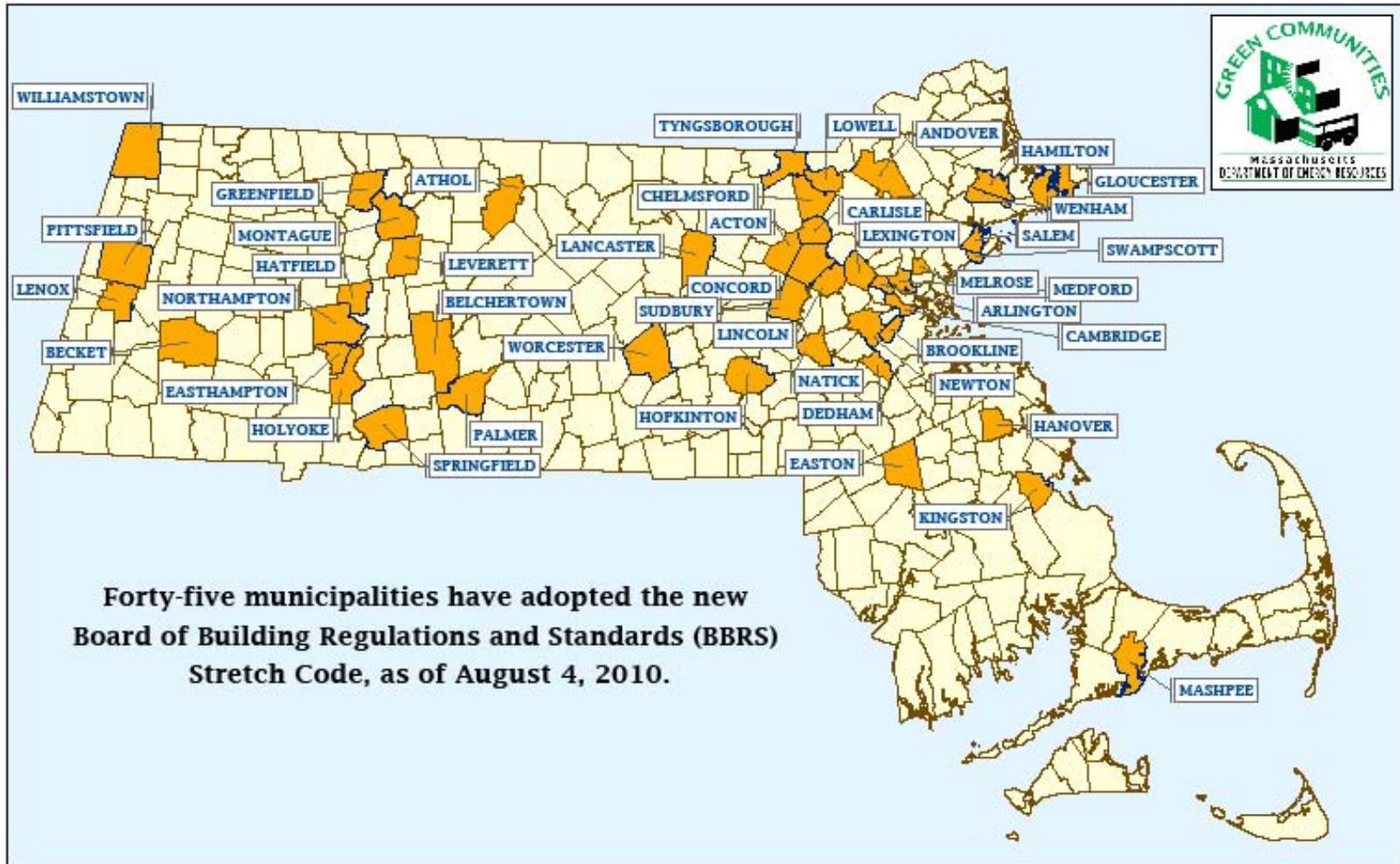
- Thirty five Green Communities designated ranging in Population from Becket (1,800) to Worcester (182,000)
- Ten communities enacted as of right zoning for renewable generation
 - Nine provide for ground mounted pv of 250kw
 - Wenham and Kingston provide for wind of 600kw
- Thirty of the thirty five designees received planning assistance
- All thirty five communities met the five criteria (For Criterion # 5 all thirty five adopted the Stretch Code)
- Due to number of designated communities and the amount of available funding, grants were allocated by a population/per capita income formula.



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STRETCH CODE COMMUNITIES



FY 2011 PLANNING ASSISTANCE

Green Communities is offering planning assistance to aid municipalities in meeting the five criteria to become a “Green Community” including:

- Up to 100 hours of services, dependant on community’s needs
- Development of an Action Plan for meeting all five criteria including:
 - A breakdown of each of the qualification criteria that a community must meet
 - Identify what has been accomplished to date
 - Identify specific tasks to be completed to meet the criteria
 - Identify the person(s) responsible for those tasks
 - Develop objectives and milestones for completing the identified tasks that will lead to the community meeting each outstanding qualification criteria



Application available at: <http://tiny.cc/GreenCToolkit>

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FY 2011 DESIGNATION AND GRANT APPLICATION TIMELINE

DATE	EVENT
Friday - September 3, 2010	Begin accepting planning assistance applications and designation applications
Friday - August 20, 2010 through Friday, October 15, 2010	Accepting requests for designation application preliminary consultations
Friday - October 1, 2010	Deadline for planning assistance applications
Friday - November 19, 2010	Deadline for designation applications
Friday - December 17, 2010	Begin accepting grant applications
Friday - January 21, 2011	Deadline for grant applications



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MUNICIPAL ENERGY EFFICIENCY

Municipal Energy Efficiency

A major focus of the Green Communities Division is collaborating with municipalities by coordinating energy assessments with utilities, identifying energy efficiency resources and opportunities and evaluating the benefits of implementing energy conservation measures.

Three Year Energy Efficiency Plans

- Investor owned electric and gas utilities (IOU) are required to provide all available energy efficiency (EE) and demand reduction resources that cost less than new energy supply
- Utilities will provide more robust rebates, incentives and programs to meet their goals.
- Plans – IOUs to invest \$2.2 billion in EE measures over 3 yrs

For more information contact: Aimee Powelka:
Aimee.Powelka@state.ma.us or (617) 626-7356

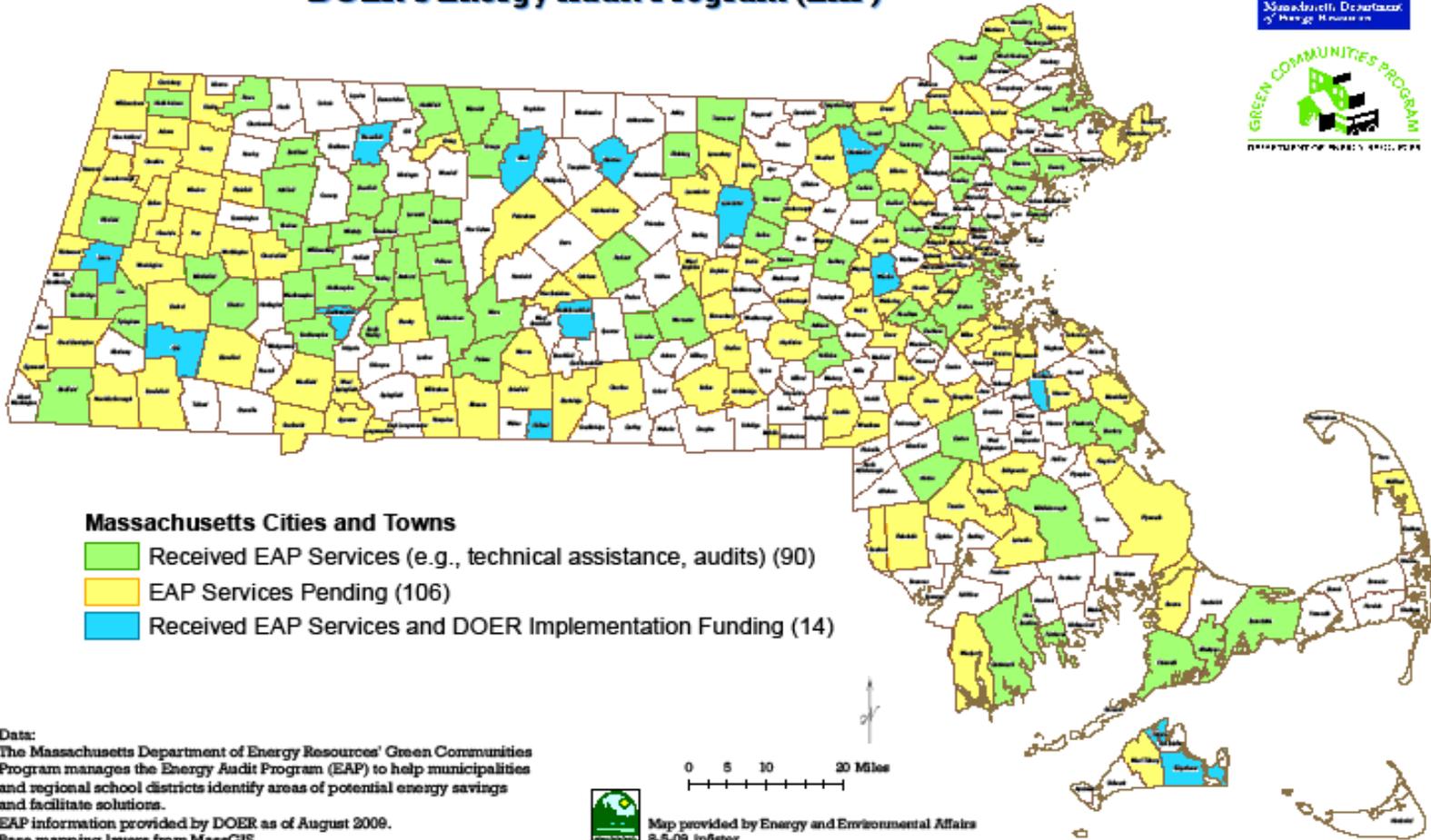


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ENERGY AUDIT PROGRAM

Municipalities Working with DOER's Energy Audit Program (EAP)



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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
-
- Approximately 25 municipal performance contracts
 - Approximately 13 municipalities in process

Contact: Eileen McHugh at eileen.mchugh@state.ma.us,
617-626-7305



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OUTREACH - REGIONAL COORDINATORS

- Website filled with tools & resources for municipalities:
www.mass.gov/energy/greencommunities
- Email updates via **listserv** (~1000 subscribers) – Sign up today!
- Regional Coordinators act as direct liaisons with cities and towns on energy efficiency and renewable energy activities
- Located at each of the DEP Regional Offices:
 - SERO – LAKEVILLE: Seth Pickering
 - seth.pickering@state.ma.us
 - NERO – WILMINGTON: Joanne Bissetta:
 - joanne.bissetta@state.ma.us
 - CERO – WORCESTER: Kelly Brown
 - kelly.brown@state.ma.us
 - WERO – SPRINGFIELD: Jim Barry
 - Jim.barry@state.ma.us



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New for FY 2011

- Fall Green Communities Grant Program Roll Out
- MassEnergyInsight Updates
- Development of Energy Procurement Guidance
- Revisions to 25A 11C, 11I regulations
- Newsletter and case studies
- Online library
- Statewide energy programs
- Fact Sheets (renewables, etc.)
- Partnerships



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Green Communities Contacts

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Meg Lusardi – Deputy Director

meg.lusardi@state.ma.us (617) 626-7364

Seth Pickering – Regional Coordinator

seth.pickering@state.ma.us (508) 946-2838

- Website:

www.mass.gov/energy/greencommunities



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Other Resources

- Department of Energy Resources: www.mass.gov/doer
 - Energy Efficiency Division
 - Renewables Division
 - Energy Markets Division
 - Green Communities Division
- Three Year Efficiency Plans: www.masssave.com
- Clean Energy Center: www.masscec.com
 - Investments in Clean Technology
 - Workforce Development
 - Renewable Energy
 - Clean Energy Sector Development



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