



COMMONWEALTH OF MASSACHUSETTS

*Charles D. Baker, Governor
Karyn Polito, Lt. Governor
Matthew A. Beaton, Secretary
Judith Judson, Commissioner*

The Green Communities Division Partnering with Massachusetts Cities and Towns

*Seth Pickering
Southeast Regional Coordinator*

*Town of Chilmark
Green Communities
Presentation*

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Green Communities Division

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



Creating a Clean, Affordable and Resilient Energy Future for the Commonwealth



Green Communities Division - Programs & Resources for Municipalities

- Green Communities Designation and Grant Program
- MassEnergyInsight (MEI) energy tracking and analysis tool
- Municipal Energy Efficiency Program
- Energy Management Services Technical Assistance
- Municipal Energy Technical Assistance Grants (META)
- Partnerships with MassCEC –
Solarize Mass and Community Energy Strategic Planning
- Website filled with tools & resources
www.mass.gov/energy/greencommunities
- Email updates via listserv – Sign up by sending an email to:
join-ene-greencommunities@listserv.state.ma.us



Creating a Clean, Affordable and Resilient Energy Future for the Commonwealth



GREEN COMMUNITIES DESIGNATION and GRANT PROGRAM



Massachusetts
DEPARTMENT OF ENERGY RESOURCES



Commonwealth of Massachusetts

Charles D. Baker Karyn E. Polito Matthew A. Beaton Judith F. Judson
Governor Lt. Governor EOEAA Secretary DOER Commissioner

DESIGNATED 2016

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 new residential construction and new commercial and industrial real estate construction to minimize life-cycle energy costs (**Adopt Stretch Code - 780 CMR 115, Appendix AA**)



<http://www.mass.gov/eea/energy-utilities-clean-tech/green-communities/gc-grant-program/>

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Green Communities Designation and Grant Flowchart

Step 1

- Review Green Communities Designation Criteria Guidance
- Contact your Green Communities Regional Coordinator

Step 2

- Discuss Green Communities Designation with Local Government
- Receive local approval to apply for Green Communities status

Step 3

- Meet the 5 Green Communities Criteria and submit a Designation Application
- Receive Green Community Designation from DOER
- Apply for Green Community Grants



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Criteria 3 – Energy Baseline & 20% Energy Reduction Plan



Calculate a Municipal Energy Use Baseline that includes:

- 1. Municipal Buildings & Schools**
- 2. All Vehicles**
- 3. Municipally Owned Street & Traffic Lights**



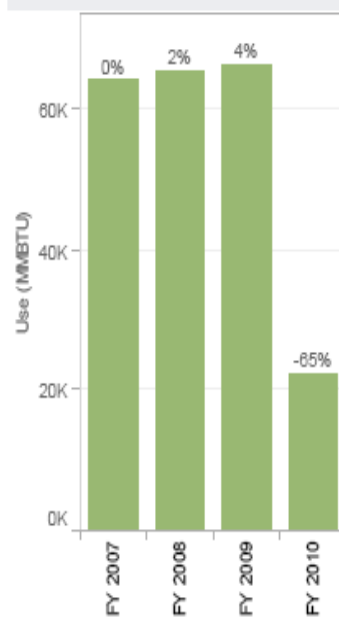
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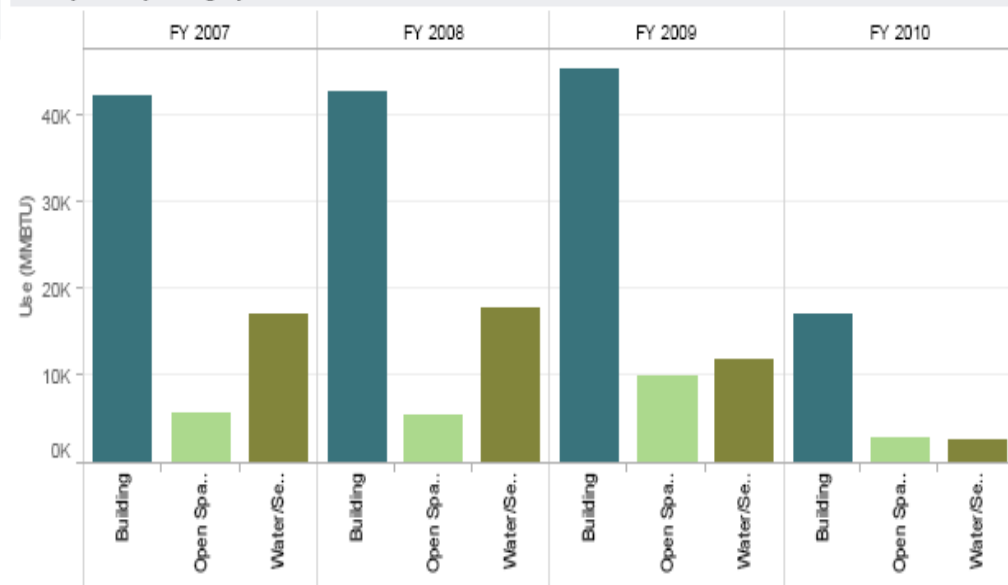
Criteria 3 – Energy Baseline & 20% Energy Reduction Plan

Create a comprehensive energy reduction plan designed to reduce energy use by 20 percent within 5 years of the baseline year.

Overall Use with % Difference from Baseline Year



Use by Facility Category



Values with a Facility Category of **Null** or **blank** indicate buildings that have not yet been assigned a category. Categories can be assigned from within the "Enter/Organize Data" section of www.massenergyinsight.net.

Criteria 4 – Fuel Efficient Vehicles

1. Purchase only fuel-efficient vehicles for municipal use whenever such vehicles are commercially available and practicable.
2. Police cruisers are exempt until commercially available.
3. Heavy-duty vehicles > 8,500 pounds are exempt.



Photo by MEB www.firenews.org

Criteria 5 – Stretch Code Adoption

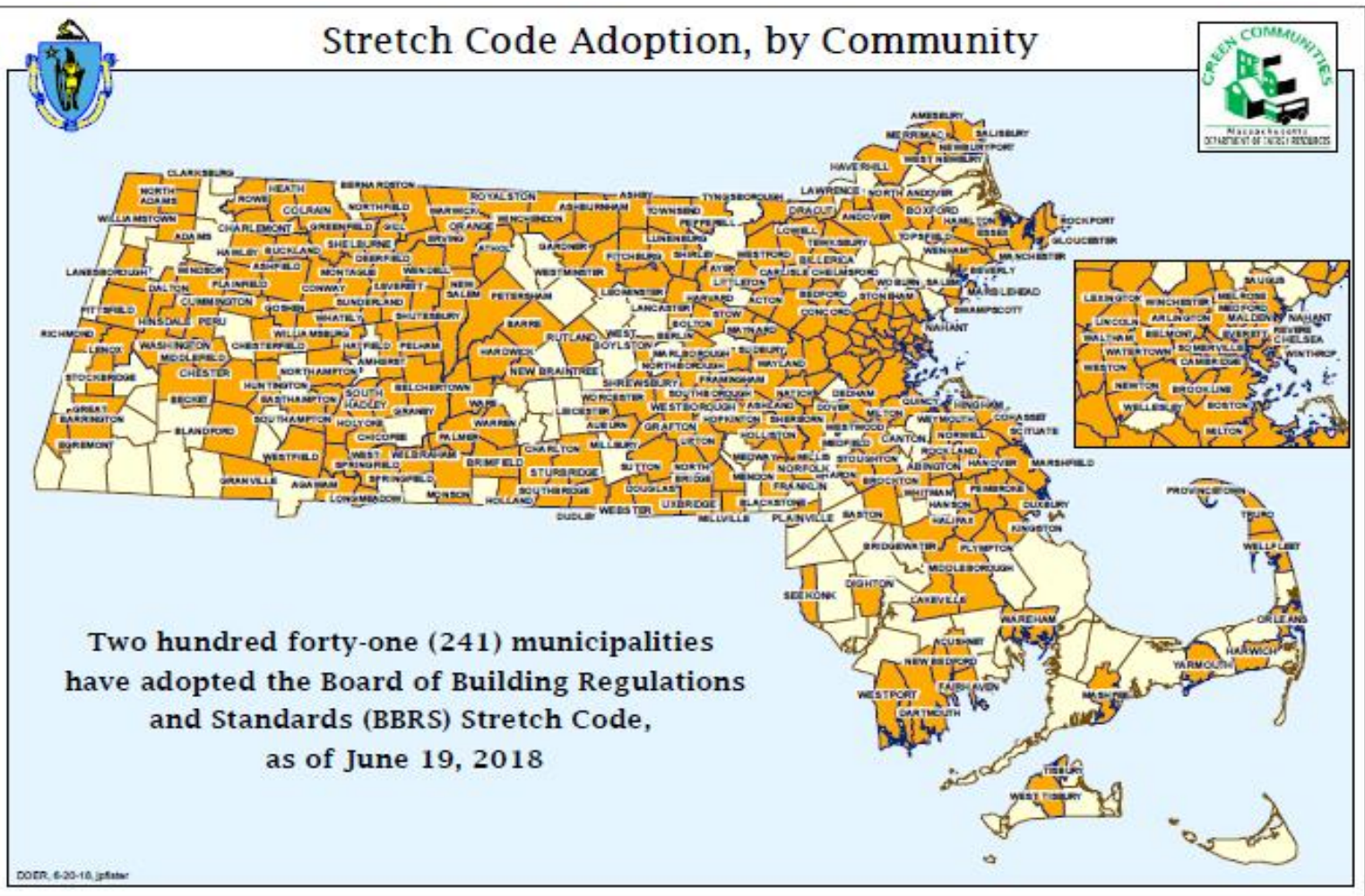
Require all new residential construction and all new commercial and industrial real estate construction to minimize, to the extent feasible, the life-cycle cost of the facility by utilizing energy efficiency, water conservation and other renewable or alternative energy technologies.

The DOER recommended way for cities and towns to meet this requirement is by adopting the BBRs Stretch Code (780 CMR 115.AA) an appendix to the MA State Building Code.

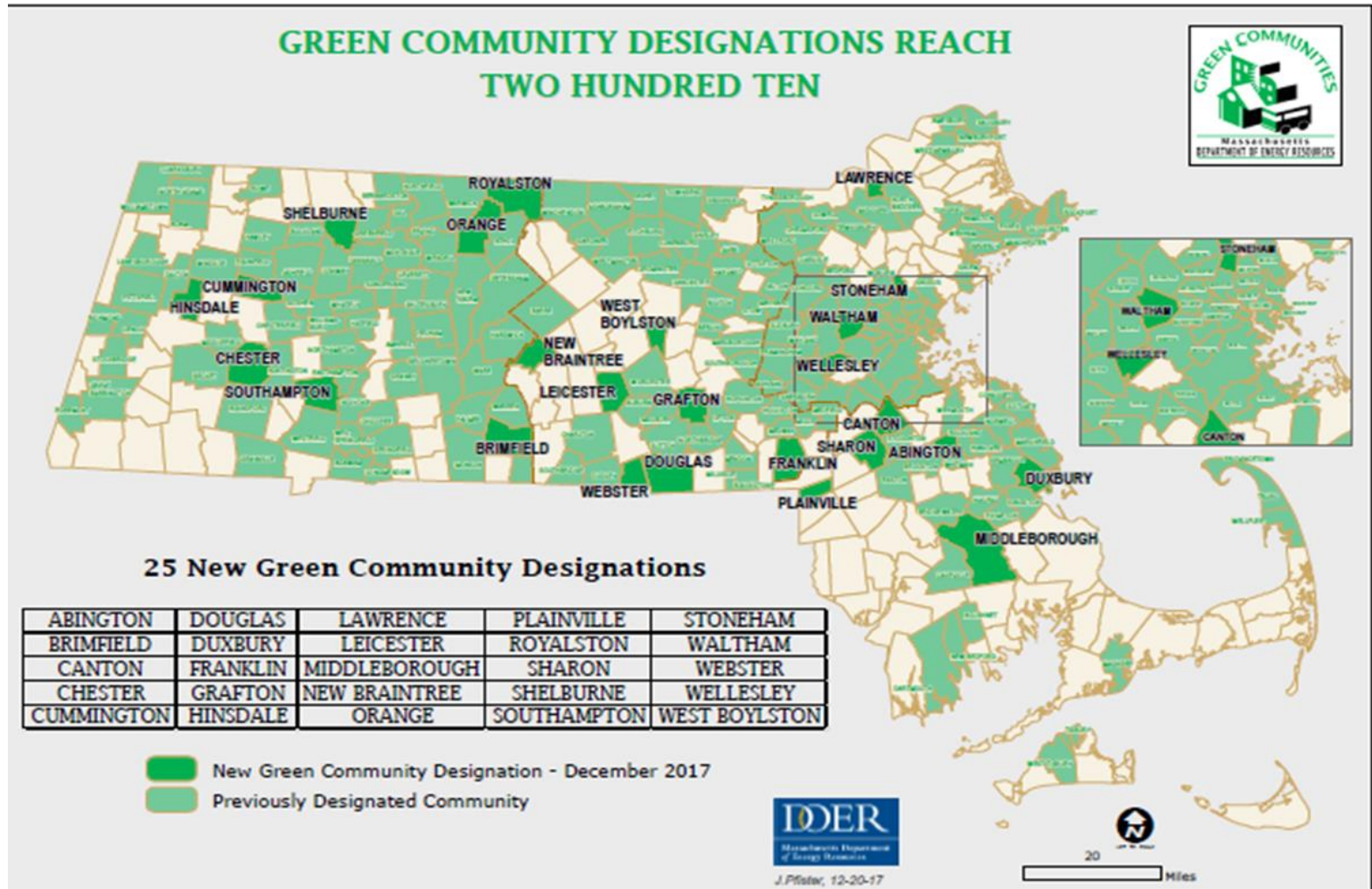
- In a town, the Stretch Code must be adopted as a general bylaw by its Town Meeting.
- In a city, the Stretch Code must be adopted by the City Council, preferably by general ordinance.



Stretch Code Communities



Meet the Green Communities!



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Municipalities in the Green Communities Designation and Grant Program

- Acushnet 2013 = \$660,399 Designation and Three Competitive Grants
- Mashpee 2010 = \$656,195 Designation and Four Competitive Grants
- Provincetown 2011 = \$213,241 Designation and Two Competitive Grants
- Tisbury 2012 = \$140,925 – Designation Grant
- Truro 2011 = \$358,245 Designation and Three Competitive Grants
- Wellfleet 2014 = \$260,423 Designation and One Competitive Grant
- West Tisbury 2012 = \$143,250 – Designation Grant



Green Communities Designation and Grant Program

- Grant allocations are based on a \$125K base plus a population/per capita income formula; maximum \$1M.
- Estimated Chilmark Green Communities Designation Grant = \$130,000
- Over to \$99,000,000 awarded in total for both Designation and Competitive Grants Programs
- Projects being funded include electric and thermal (natural gas, propane and fuel oil) energy conservation measures and grant administration costs.



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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.
- **Cape Light Compact** - Audits/Rebates/Incentives
- **Three Year Energy Efficiency Plans**
 1. 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.
 2. Utilities will provide more robust rebates, incentives and programs to meet their goals.
 3. Plans – IOUs to invest \$2.2 billion in EE measures over 3 yrs.



Green Communities Contacts



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- Website: <http://www.mass.gov/eea/energy-utilities-clean-tech/green-communities/>



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