Helping Massachusetts Municipalities Create a Greener Energy Future

COMMONWEALTH OF MASSACHUSETTS

Deval L. Patrick, Governor
Timothy P. Murray, Lt. Governor
Richard K. Sullivan, Jr., Secretary
Mark Sylvia, Commissioner

Green Communities Program

Kelly Brown

Central Regional Coordinator
Green Communities Division

MRPC Workshop

January 14, 2011

Green Communities Division

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

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GREEN COMMUNITIES GRANT PROGRAM

Provides up to $10M annually in grants and loans to ***qualifying*** communities

Grants will fund significant 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 inventory with a program to reduce baseline by 20% in 5 years
4. Purchase only fuel-efficient vehicles
5. Require all new residential construction > 3000 ft^2, and new commercial and industrial real estate construction to minimize life-cycle energy costs

Green Communities Act, M.G.L. Ch. 25A §10

Criteria 1 – As-Of Right Siting

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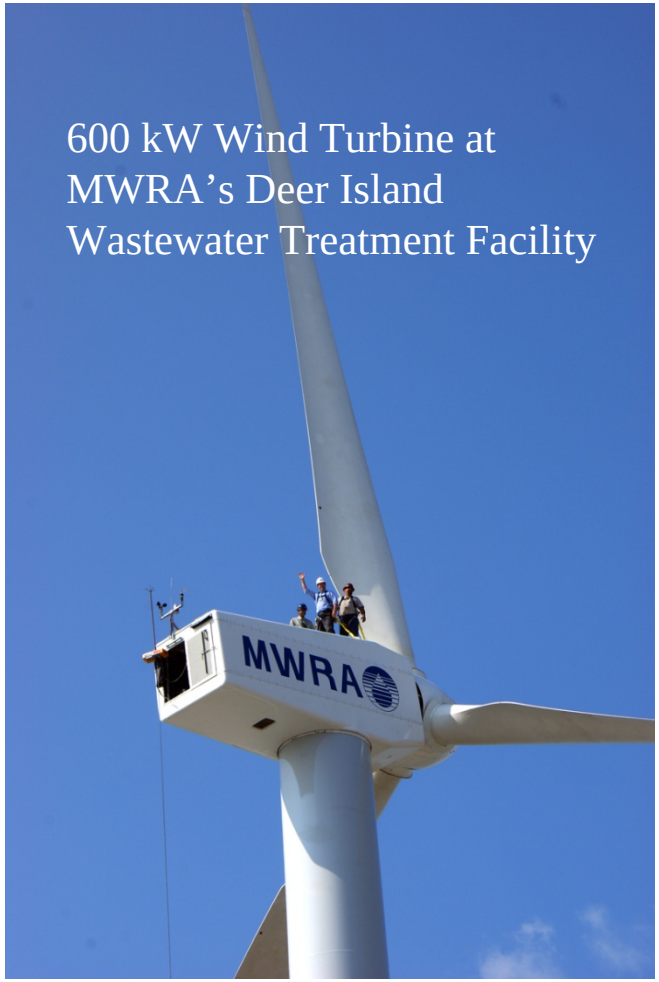
Criteria 1 – 600 kW Wind Turbine



600 kW Wind Turbine at MWRA's Deer Island Wastewater Treatment Facility

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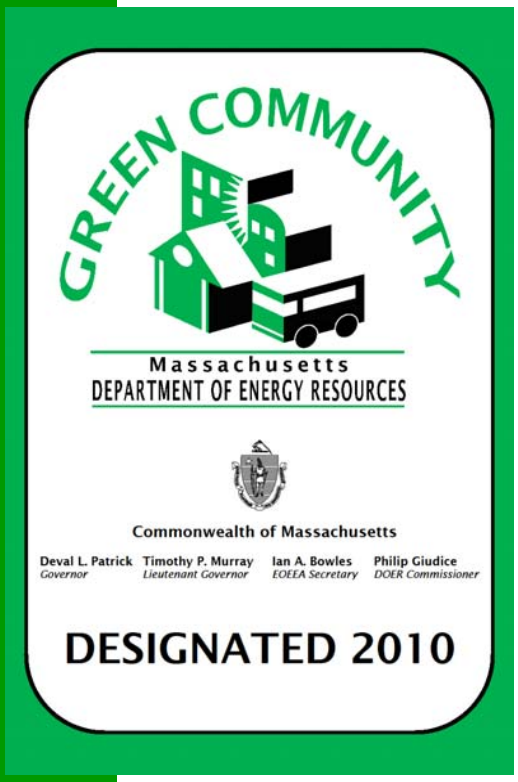
GREEN COMMUNITIES GRANT PROGRAM



Qualification Criteria

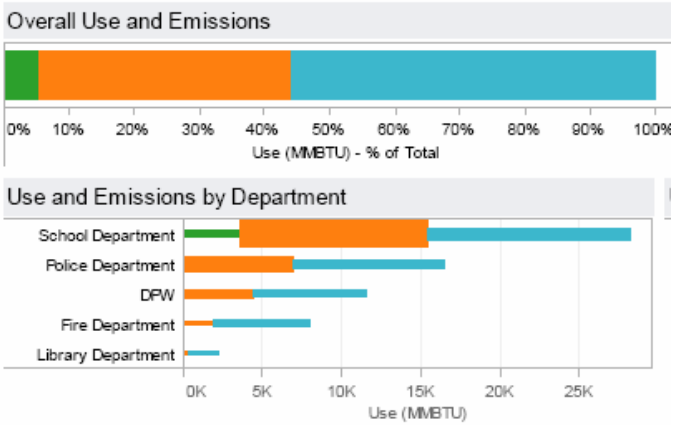
1. Adopt as-of-right siting for RE/AE generation, R&D, or manufacturing
2. Adopt expedited permitting process
3. Create an Energy Reduction Plan to reduce energy use by 20% in 5 years
4. Purchase only fuel-efficient vehicles
5. Adopt Stretch Code or minimize life cycle cost

Green Communities Act, M.G.L. Ch. 25A §10

MassEnergyInsight

POWERING EFFICIENCY

- **FREE** online tool for MA cities, towns & RSD
- 183 towns and 304 current users
- Electronic download of utility data
- All energy costs and accounts in one place
- Standard and custom reporting
- Identify your least efficient energy users
- Track your energy savings by fuel type
- Create GHG emissions reductions reports



www.massenergyinsight.net

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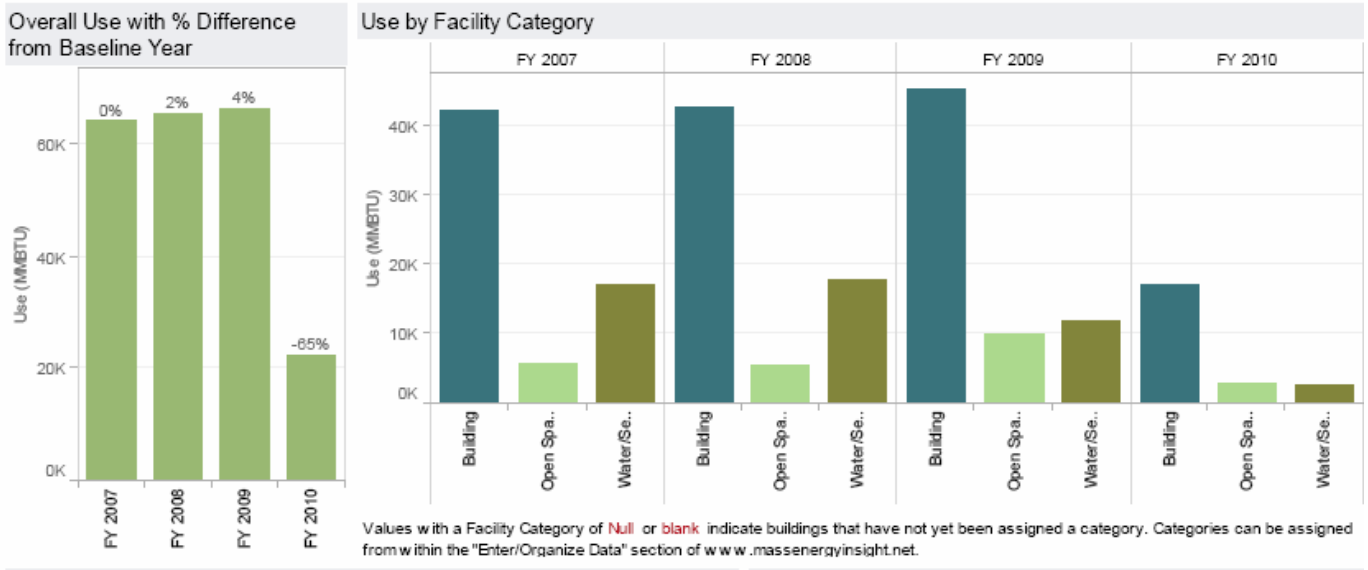
Criteria 3 – Energy Baseline & 20% Energy Reduction Plan

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



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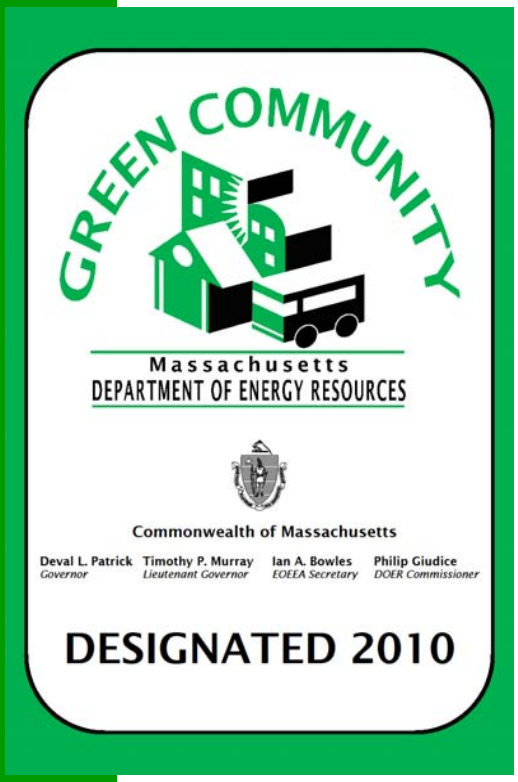
GREEN COMMUNITIES GRANT PROGRAM



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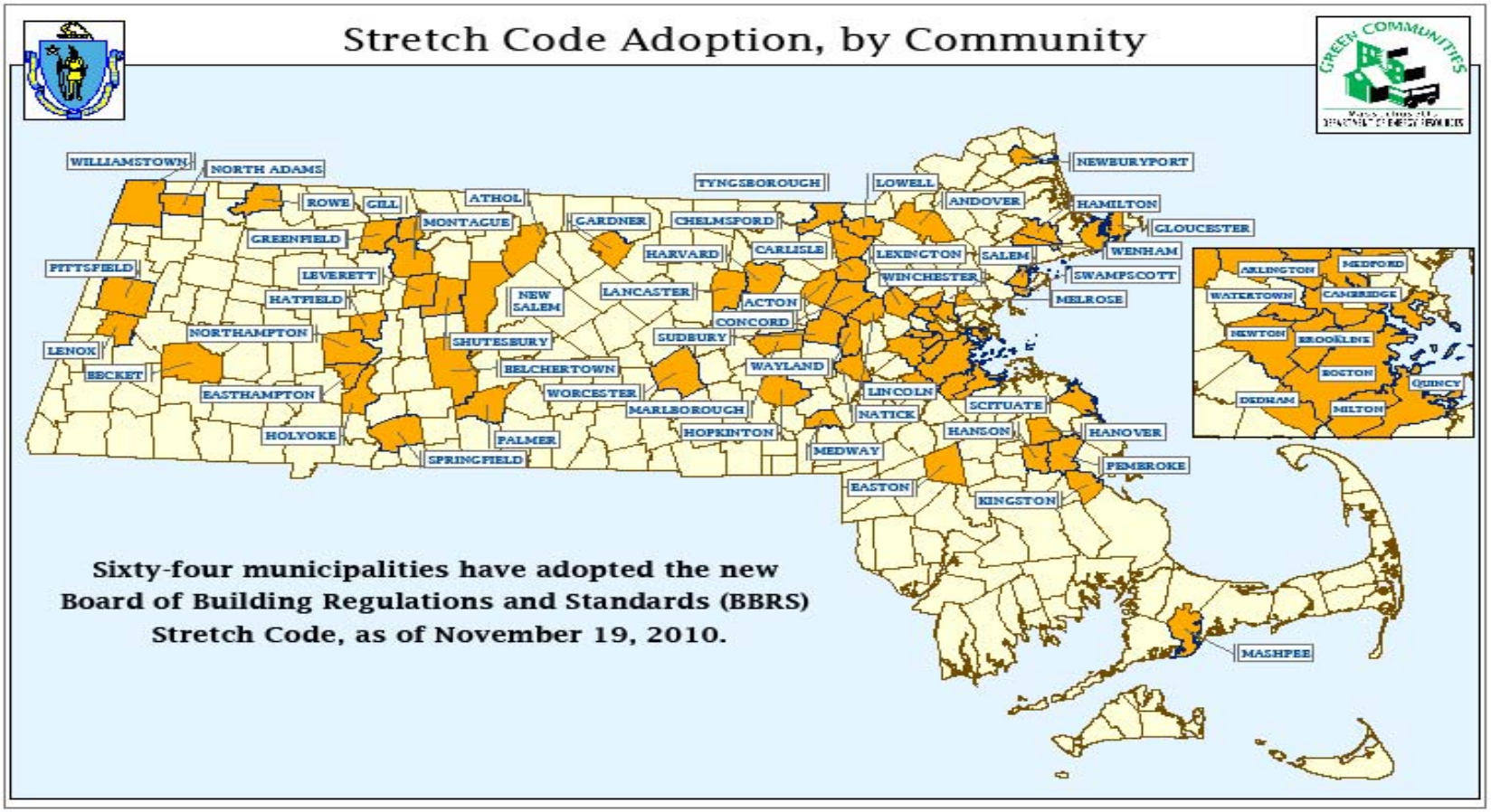
Stretch Code Communities



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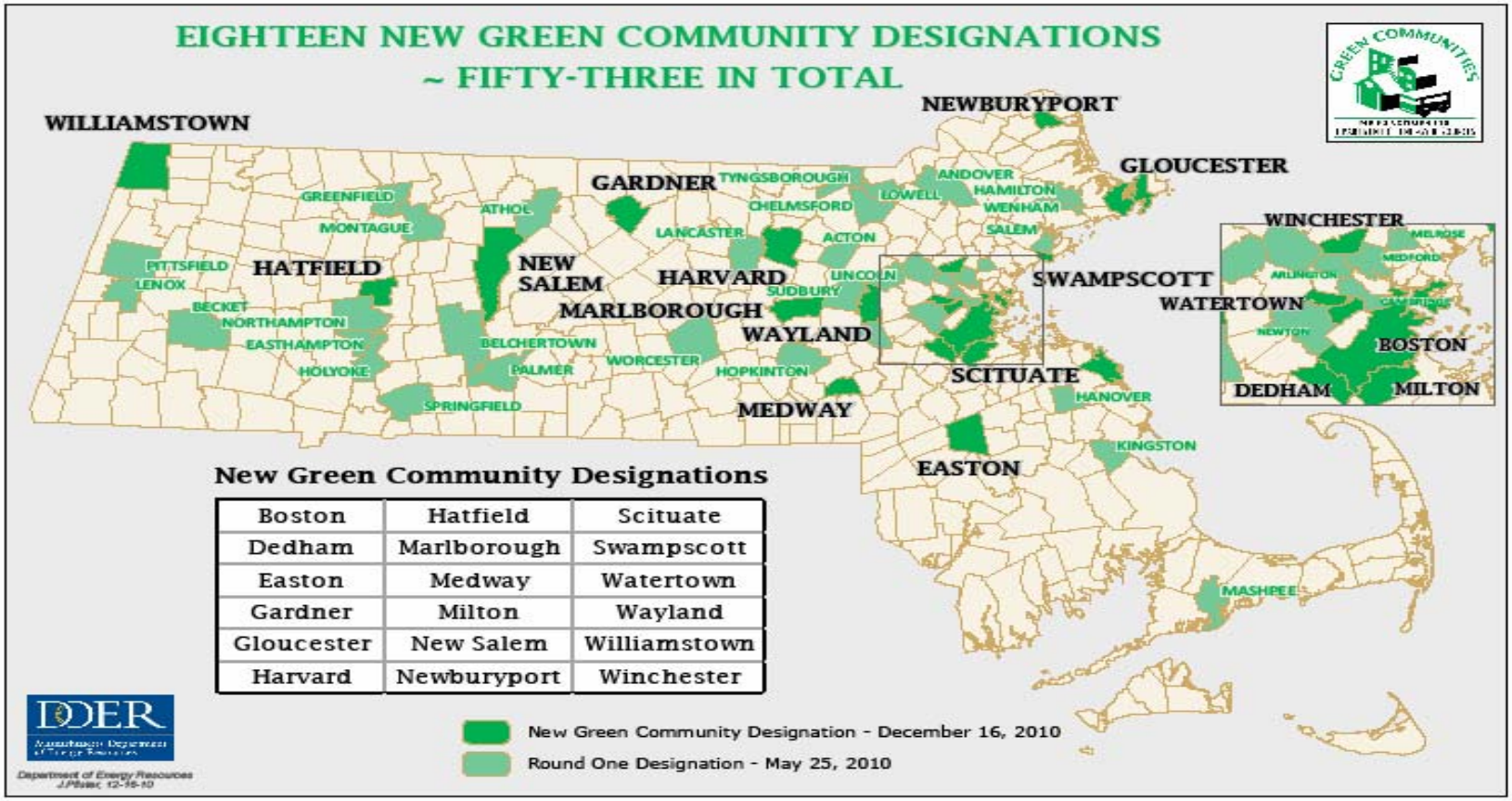
DESIGNATED GREEN COMMUNITIES



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GREEN COMMUNITIES

- 53 Green Communities
  - Population ranges from New Salem (1,000) to Boston (590,000)
  - Distributed across state
- 17 communities enacted as-of right zoning for renewable generation
  - Fourteen provide for ground mounted PV of 250 kW
  - Wenham, Kingston and Milton provide for wind of 600 kW
- 47 of 53 designees received planning assistance
- All 53 communities 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 ranging from $130,000 to $1,000,000

Green Community Award to Lancaster

GREEN COMMUNITIES
Massachusetts
DEPARTMENT OF ENERGY RESOURCES

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DOER
Massachusetts Department of Energy Resources

Sampling of Grant-Funded Projects

- **Acton**: $150,794 for energy conservation measures at the public library, an HVAC analysis of town hall, tankless hot water heaters and an energy education and outreach program.
- **Hopkinton** - $137,502 for various energy efficiency measures in the school buildings, DPW Garage, Police Department, Fire Department and Senior Center.
- **Lancaster** - $141,114 towards various energy efficiency measures at the Town Hall, Library, Fire Station, Police Station, Community Center and DPW building; the installation of a solar PV project at the Fire Station; an energy analysis of the town hall and the incremental costs of a hybrid vehicle.
- **Worcester** - $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 about the stretch energy code.

FY2011 DESIGNATION AND GRANT APPLICATION TIMELINE

DATE	EVENT
Friday, October 15, 2010	Deadline for designation application preliminary consultations
Friday, November 19, 2010	Deadline for designation applications
Friday, December 17, 2010	Begin accepting grant applications
Friday, January 21, 2011	Deadline for grant applications

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

Green Communities Division Programs & Resources for Municipalities

- Green Communities Grant and Planning Assistance Program
- MassEnergyInsight System
- Municipal Energy Efficiency Program
- Energy Performance Contracting Technical Assistance
- ARRA Stimulus Funding
- Website filled with tools & resources for municipalities:

  www.mass.gov/energy/greencommunities

- Email updates via listserv – Sign up today by send an email to:

  join-ene-greencommunities @listserv.state.ma.us

Green Communities Contacts

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Kelly Brown – Regional Coordinator

kelly.brown@state.ma.us (508) 767-2703

- Website:

  www.mass.gov/energy/greencommunities

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