



*Working for the Green
Mass Audubon Conference
October 18, 2012
Devens, MA*

COMMONWEALTH OF MASSACHUSETTS

*Deval L. Patrick, Governor
Richard K. Sullivan, Jr., Secretary
Mark Sylvia, Commissioner*

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

*Meg Lusardi, Director
Green Communities Division*

Green Communities Division

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



Helping Massachusetts Municipalities Create A Cleaner Energy Future



CONTACTS - REGIONAL COORDINATORS

- 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:

← **Southeast – LAKEVILLE: Seth Pickering**
Seth.Pickering@state.ma.us

Northeast – WILMINGTON: Joanne Bissetta ->
Joanne.Bissetta@state.ma.us

Central – WORCESTER: Kelly Brown
Kelly.Brown@state.ma.us

← **Western – SPRINGFIELD: Jim Barry**
Jim.Barry@state.ma.us



Green Communities Division - Programs & Resources for Municipalities

- Green Communities Designation and Grant Program
- MassEnergyInsight energy tracking and analysis tool
- Municipal Energy Efficiency Program
- Energy Management Services Technical Assistance
- Clean Energy Results Program (CERP)
- Solarize MA – Partnership with MA CEC
- Massachusetts Municipal Energy Group (MMEG)
- 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
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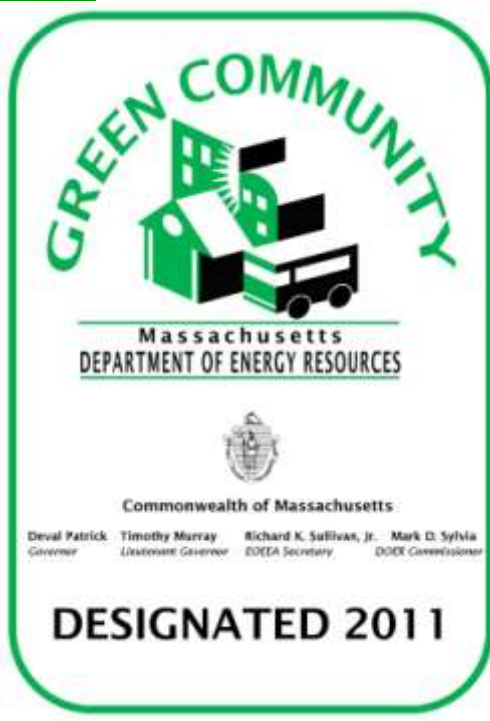
Green Communities Designation and Grant Program

Qualification Criteria - Designation

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. Minimize life cycle cost in new construction → adopt the Stretch Code

Grant Funding

1. Energy Efficiency Projects
2. Renewable Energy Projects on municipal land



Meet the Green Communities!



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Green Communities Designation and Grant Program – the 103

- Grant allocations based on a \$125K base plus a population/per capita income formula; maximum \$1M.
 - Range from \$130,725 in Hatfield to \$1M for Boston
- Projects being funded include energy conservation measures, performance contracts, solar PV projects, incremental costs for hybrid vehicles.
 - \$20.44M in designation awards to 103 Communities
 - 27 grants complete to date
 - Grants \$6.1M
 - Total Projects Costs \$9.1M; utility incentives \$1.2M
 - Annual savings of \$1.3M
- \$2.76M in competitive grants awarded to 19 already designated Green Communities – all efficiency



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Green Communities Designation and Grant Program – the 103

Lowell - JFK Civic Center Chiller Replacement & Four School Lighting Improvements

Grant = \$546,506

- Grant towards Performance Contract measures allowed Lowell to do additional energy measures in City Hall
- National Grid rebates applied to lighting fixture upgrades, lighting controls, and vending machine controls in schools
- Projected Annual Savings - \$76,000



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Green Communities Designation and Grant Program – the 103

Easthampton - LED Streetlight Replacement Project

Grant \$174,985

- ~ 1/3 of the streetlights replaced with LED technology
- Incentive grant from WMECO augmented grant \$\$
- City set up a review committee to assess available products, vendors, and costs
- Projected Annual Savings - \$23,735



Replaced 250w HPS lamp



New 88w LED lamp and installed



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Green Communities Designation and Grant Program – the 103

Sudbury - New Lighting, HVAC & Lighting Controls, New Efficient Vehicle

Grant \$136,238

- NSTAR rebates for lighting, and HVAC and lighting controls in 6 schools and 4 municipal facility buildings
- Projected Annual Savings - \$45,559



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MassEnergyInsight

● ● ● ● ● POWERING EFFICIENCY

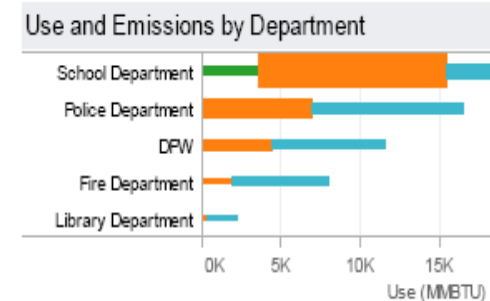
- **FREE** online tool for MA cities, towns, RSD & WTP

• Provides:

- Automated electronic download of utility data
- All energy costs and accounts in one place
- Standard and custom reporting

• One tool to do it all:

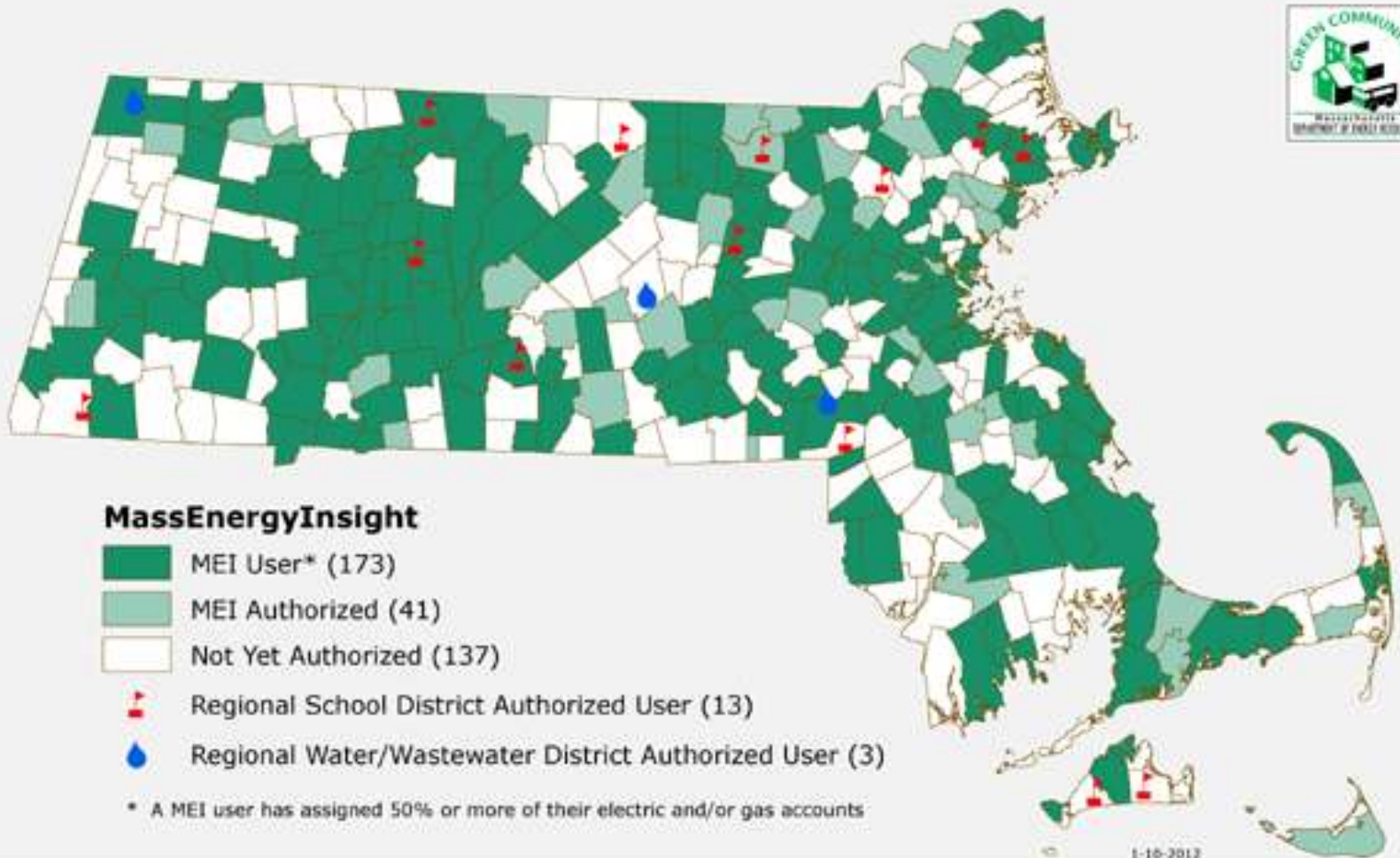
- **Benchmark:** track energy use by town, department or building
- **Identify:** least efficient buildings for efficiency action
- **Measure and verify:** energy use trends by building over time



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Municipalities Tracking Energy Use Using



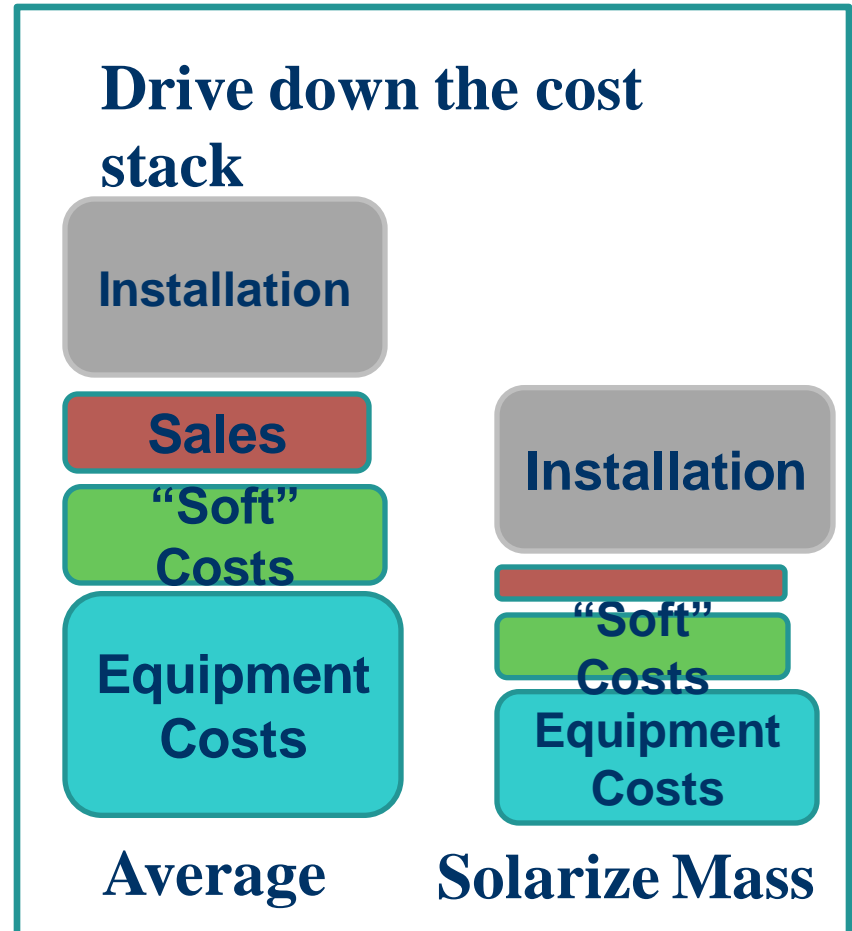
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Green Communities Division – MassCEC

Solarize Mass 2012

- Increase education through community outreach
- Introduce model to simplify process
- Reduce installation costs
- Reduce time to contract
- Increase adoption

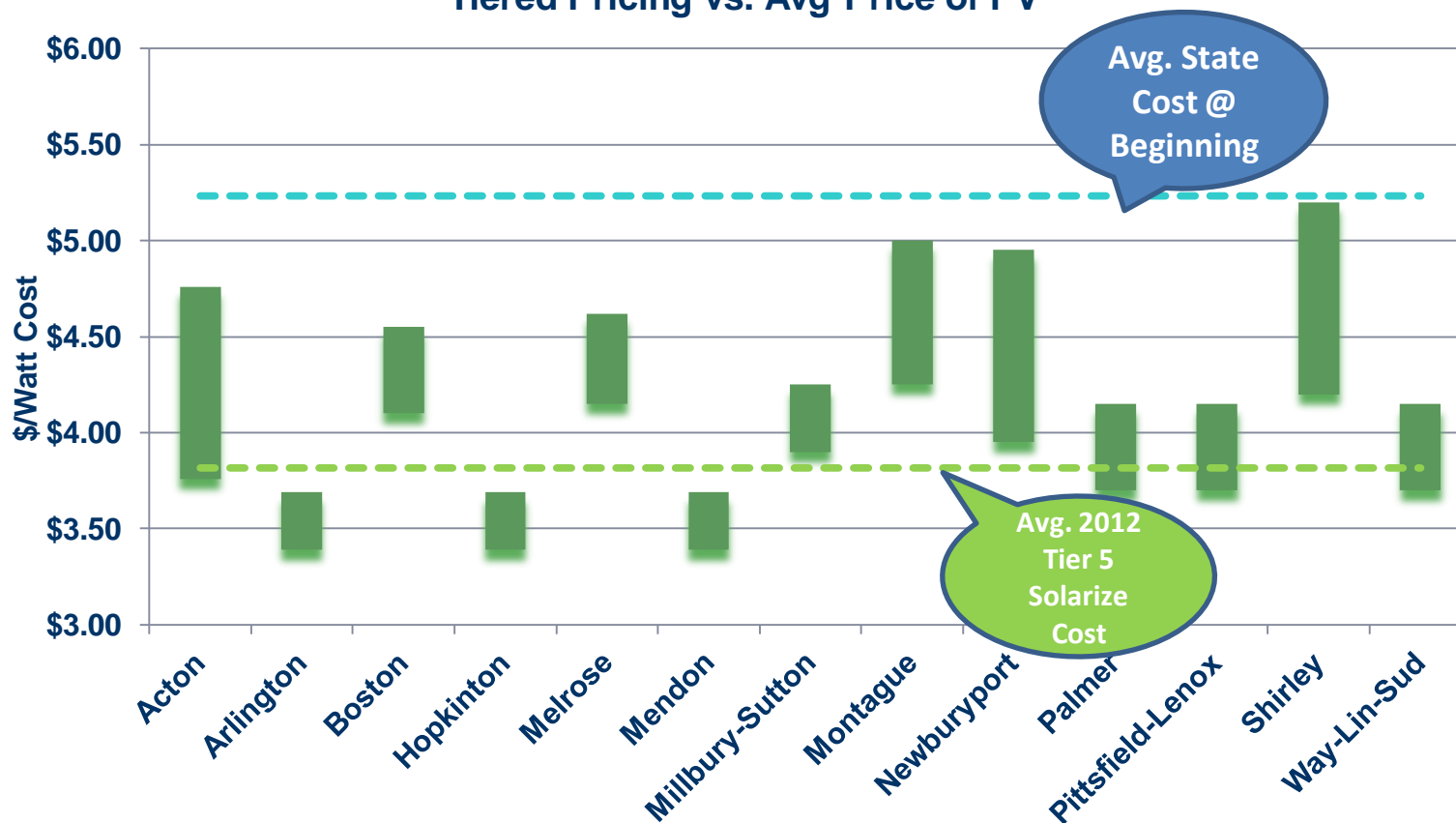


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Green Communities Division – Mass CEC Solarize MA 2012

Tiered Pricing vs. Avg Price of PV



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Green Communities Division – What's The Latest?

Massachusetts Municipal Energy Group

Made possible by a grant from the Green Communities Division

What

- Web-based community
- Managed by MMA

Goal

- Help Commonwealth's cities and towns exchange information and knowledge to reduce local energy use and carbon footprint

Who

Mayors, town managers, boards of selectmen, building inspectors, school superintendents, school board members, members of energy or sustainability committees . . . and others

MMA CONTACT: Victor Nascimento, vnascimento@mma.org

Link: <http://bit.ly/QjJ5X5> to register.



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Green Communities Division – What's the Latest?

- Rooftop Solar Challenge - \$\$ from US DOE
 - Community Shared Solar
 - Streamlined Permitting, including structural guidance
 - Guidance Documents on zoning
 - Outreach to Financial Institutions
- More Owner's Agent Technical Assistance –
 - In the form of grants vs services
 - Solar PV, Perf Contracting, and assessments
- Comprehensive Energy Planning Pilot –
 - Partnership with MassCEC
 - help identify, prioritize, and enable a mix of clean energy strategies and incentives



What Can YOU Do?

- Organize an Energy Committee
- Contact your Regional Coordinator
- Get trained on Mass Energy Insight
- Contact your utility about an audit
- Talk to other municipalities in your region



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Contact Information

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www.mass.gov/energy/greencommunities



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