



Town of Tewksbury

THE NEXT GREEN COMMUNITY

Funding Opportunities for Tewksbury



- The Green Communities Act was Adopted 2008
- State Statute Determine Funding Source
- Funds are Set Aside in a Trust "OUTSIDE" the State Operating Budget
- Majority of Funds are Derived from Proceed of the Regional Greenhouse Gas Initiative (RGGI)
- Statutes also identifies other potential funding sources to include the Renewable Energy Trust
- Green Community Grant Funding has NOTHING to do with Stimulus Funding or Federal Funding



Five Required Criteria

1. As of Right Zoning for Renewable or Alternative Energy Facilities in Designated Locations
2. Adopt Expedited Permitting Process for Energy Facilities
3. Establish an Energy Use Baseline Inventory and Design a Program to Reduce Baseline by 20% within Five Years
4. Purchase only Fuel Efficient Vehicles whenever Vehicles are Commercially Available and Practicable
5. Adopt the Stretch Code which will provide a more energy efficient alternative to the base energy code for certain new and existing buildings



Green Community Designations

Massachusetts, to date, has 53 Green Communities

Andover

Salem

Watertown

Dedham

Cambridge

Boston

Milton

Lancaster

Pittsfield

Northampton

Easthampton

Wayland

Medford

Newton

Tyngsboro

Easton

Gloucester

Harvard

Hatfield

Marlborough

New Salem

Newburyport

Scituate

Swampscott

Williamstown

Winchester

Chelmsford

Montague

Springfield

Becket

Natick

Belchertown

Palmer

Lincoln

Hamilton

Wenham

Hanover

Lexington

Melrose

Arlington

Lowell

Holyoke

Lenox

Worcester

Medway

Hanover

Acton

Sudbury

Mashpee

Kingston

Greenfield

Athol

Gardner

\$11.7 Million Awarded to All 53 Green Communities (Examples of Awards)



Lowell	\$546,506 for Residential & Commercial Retrofit Grant Program & Buy Down the Cost of an Energy Management Services Contract
Andover	\$160,329 for Municipal Lighting Retrofit Project
Chelmsford	\$187,224 for Solar Photovoltaic for Middle School
Tyngsboro	\$161,649 Building Envelop Improvements
Sudbury	\$136,238 Energy Efficiency Measures in Municipal Building & Incremental Cost of Vehicles
Medford	\$271,651 for Energy Efficiencies in Schools & Update Municipal Climate Action Plan
Melrose	\$176,651 for Energy Efficient Roof at High School, for Energy Consulting Services, & to Support Salary for Energy Efficiency Coordinator
E. Hampton	\$174,985 for LED Streetlights

Beneficial Funding Opportunities Tewksbury



\$168,300	Replacement of rooftop HVAC air handling unit and new energy efficient boiler
\$141,200	Demand control ventilation and mechanical unit upgrades at elementary school, HVAC upgrade at municipal building, energy efficient boiler for fire station and deep energy retrofit analysis for another municipal building.
\$130,725	Insulation and heating systems upgrades at water filtration plant, installation of heat recovery system at wastewater treatment plant, purchase of electric light duty truck for department use, energy conservation study of municipal building.
\$163,025	Insulation and weatherization of municipal buildings.



Stretch Energy Code

- **The Stretch Energy Code is an optional appendix to the Massachusetts State Building Code**
- **The Code may be adopted by a municipality and is a requirement of the Green Community Designation program offered through the State**
- **The Stretch Energy Code is a streamlined and cost effective route to achieving approximately 20% better energy efficiency in new residential and commercial buildings.**
- **The increase in energy efficiency leads to a decrease in annual average energy costs to home owners and businesses.**
- **The code will enhance the Town's economic development status in a competitive marketplace for relocations and start ups.**

Stretch Code Q & A



Q: What are the benefits?

A: Significant cost savings for local residents and businesses on energy. Tewksbury can access funding for energy related improvements on schools and municipal buildings.

Q. How much more will my project cost?

A: For a typical 2700 square foot single family home, approximately \$3000 or \$1.11 per square foot, including a HERS rater (if needed). Electric and Gas utilities financial incentives combined with savings on heat and electricity generate a quick return on investment and will save you money!

Q. Does the Stretch Code apply to minor additions?

A: A Small remodel DOES NOT require you to comply with the stretch Code. If you replace a window during your remodel, only the new window and affected open wall cavity would have to comply.

Q. Does a kitchen or bathroom remodel have to comply with the Stretch Code?

A: Only in the area you are remodeling. A small remodel **does not** require you to change your existing attic insulation or heating system.

Q. Does my commercial building have to comply with the Stretch Code?

A: A commercial building less than 5000 square feet is exempt from the Stretch Code for both new construction and/or renovation and remain covered by the base building code.

Current Code (Feb. 2011) vs Stretch Code Closing the Gap for New Construction



**\$1.11 per square foot
differential for new
construction**



**\$3,000 upfront cost
yields an annual utility
savings for a 6 year
payback not including
rebates from the
utility companies.**

Town Meeting Article Executive Summary



- The Stretch Energy Code is one of five criteria that will allow Tewksbury to apply for Green Community Designation which provides access to grant funds for energy reduction and conservation projects in Tewksbury. The stretch energy code is an optional appendix to the Massachusetts building energy code that allows cities and towns to choose a more energy-efficient option. This option increases the efficiency requirements in any municipality that adopts it, for all new residential and many new commercial buildings, as well as AN OPTION, for those residential additions and renovations that would normally trigger building code requirements

Resources



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