

COMMONWEALTH OF MASSACHUSETTS

Deval L. Patrick, Governor Maeve Vallely-Bartlett, Secretary Meg Lusardi, Acting Commissioner

Green Communities Annual Reporting

Seth Pickering, Southeast Regional Coordinator

Aimee Powelka, Municipal Efficiency Coordinator

Green Communities Division

Green Communities
Webinar

October 23, 2014

Assistance - Regional Coordinators



WERO – SPRINGFIELD: Jim Barry Jim.Barry@state.ma.us



NERO – WILMINGTON: Joanne Bissetta Joanne.Bissetta@state.ma.us



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



SERO – LAKEVILLE: Seth Pickering Seth.Pickering@state.ma.us





GREEN COMMUNITY DESIGNATIONS REACH ONE HUNDRED TWENTY-THREE **AMESBURY** WEST NEWBURY NORTHFIELD LUNENBURG BUCKLAND MANCHESTER LANCASTER CONCORD WILLIAMSBURG SOMERVILLE CAMBRIDGE WATERTOWN FRAMINGHAM **SPRINGFIELD** PROVINCETOW BLACKSTONE **PLYMPTON** 13 New Green Community Designations **ACUSHNET CONCORD** MANCHESTER-BY-THE-SEA PLYMPTON **AMESBURY FRAMINGHAM** WESTFORD ACUSHNET **ASHBY** LONGMEADOW **WEST NEWBURY BLACKSTONE** LUNENBURG WILLIAMSBURG New Green Community Designation - December 18, 2013 Previously Designated Community





J.Pfister, 1-6-14

USING ANNUAL REPORT DATA

Compliance - with 5 designation criteria

Inspiring Others — we provide data from the annual reports to be used in talks given by the Governor, Secretary and Commissioner at local, regional, national and international meetings to inspire other organizations assisting municipalities

Green Communities Are Making A Difference

- Progress Report on all 5 criteria coming soon
- ACEEE Green Communities paper on energy reductions
 Google "ACEEE Green Communities"
- **GHG Reductions** included in assessing MA progress towards climate goals mandated by the Global Warming Solutions Act





Green Communities Annual Report Submission

- 1. Email your RC pre-registration is required!
- 2. Annual Report Deadline = 12/5/14
- 3. You must submit your Annual Report as an Excel file
- 4. PDF the General Instructions worksheet <u>after</u> having it signed and submit it with the AR Excel file.
- https://massdoer.centraldesktop.com/gcannualreportsub mit/





Green Communities Division Annual Report Basics

- 1. Annual Report Deadline = 12/5/14
- 2. Municipalities that do not submit an AR will not be eligible for next GC funding \$\$\$ opportunity
- 3. Please <u>read</u> the General Instructions worksheet in the Annual Report Excel file
 - 8) For Green Communities that have filed previous Annual Reports, new or changed information is highlighted in blue
 - 9) Fields highlighted in yellow should be completed by Green Communities.
 - 10) Fields highlighted in green have been pre-populated by the Regional Coordinators **Check me!**



INSTRUCTIONS

Date Designated:	July-12	PLEASE NOTE: For a municipality designated December 2012, the reporting period is 18 months, Jan 1 2013 - June 30 2014
Date of Annual Report Submission		
Name of Preparer of Annual Report Title		
Municipality Name		
I confirm that I have revi	ewed this report and veri	fy all information is true.
Signature of Chief Executive Officer		The Chief Executive Officer is defined as the manager in any city having a manager and in any town having a city form of government, the mayor in any other city, and the board of selectmen in any other town unless some other officer or body is designated to perform the functions of a chief executive officer under the provisions of a local charter or laws having the force of a charter. Any signatures of designees will be considered an attestation that the signatory has been designated the designee by the municipality.





POLL

Have you completed a Green Communities Annual Report before?

- a) Yes, by myself
- b) Yes, as part of a team
- c) No
- d) I can't remember





Criteria 1 & 2 – RE/AE Zoning & Permitting







Criteria 1 & 2

Worksheet

- 1. Check green cells for accuracy
- 2. Click on the yellow cells for Questions 1-3 and choose from the drop down box
- 3. Type any narrative into the yellow cell under Question 3
- 4. Click on the yellow Permitting cell and answer the question using the drop down box
- 5. To see a sample of the Criteria 1 & 2, Table 1, click on the link in the Table 1 header





CRITERIA 1 and 2

Cri	ter	ia 1	1 a	nd	2

Type of as-of-right siting approval received:

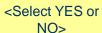


Type of expedited permitting approval received:



REGULATIONS (zoning & permitting):

1) Have any significant changes been made to the zoning district(s) for which the community received Green Communities designation? Significant changes, such as changes to the geographic extent of the district, allowed uses, and dimensional requirements, would impact the ability to construct a qualifying clean energy use in the district. Overlay districts, such as water protection districts that impose special permitting requirements, count as significant changes.



If yes, attach a letter from municipal counsel that describes the changes, outlines any potential impact on the siting of clean energy projects, and affirms continued compliance with the Green Communities As-of-Right Zoning and Expedited Permitting criteria, as well as a revised zoning map.

Please select YES or NO in the dropdown on the right. If YES, attach letter from municipal counsel.





CRITERIA 1 and 2

2) Have any significant changes been made to site plan, design, or other development review criteria or any permit review procedures that would impact the ability to permit qualifying clean energy uses as-of-right and in a timely manner? Significant changes would be anything that pertains to the "by-right" nature of the zoning or to the amount of time necessary to review required permits.

<Select YES or NO>

If yes, attach a letter from municipal counsel that describes the changes, illustrates any potential impact on the siting of clean energy projects, and affirms continued compliance with the Green Communities As-of-Right Zoning and Expedited Permitting criteria.

Please select YES or NO in the dropdown on the right. If YES, attach letter from municipal counsel.

3) Has the space designated for "as-of right" development for which the community received Green Communities designation been reduced?

Please select YES or NO in the dropdown on the right. If YES, explain what has happened since the community applied for, and received, Green Communities designation and describe any plans the community may have to make such development feasible again

<Select YES or NO>

NARRATIVE:





CRITERIA 1 and 2

PERMITTING:

Have any clean energy projects applied for approval **under the zoning for which the community received Green Community Designation**?

<Select YES or NO>

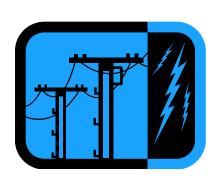
Please select YES or NO in the dropdown on the right. If YES, fill out Table 1 below:

			Table	1: SAMPLE E	xpedited Permi	itting Projects	3		
	Туре								
	(Generation				Permit(s)				
	(Capacity),	As-of-right			(use as many				
PROJECT	R&D, and/or	designated		Project	rows as		Date	Decision	Other Pertinent
NAME	Manufacturing)	location	Applicant	Description	required)	Status	Submitted	Date	Information
	Renewable		Peak	Six 1.5 MW wind					Modest design
	Energy (wind)		Performance	turbines on 16					changes to conform
Hilltop Wind	9 MW	landfill	, LLC.	acres of land	Site Plan Review	Approved	11/1/2010	1/21/2011	to as-of-right bylaw
					Wetlands				
					(access road is				
					in buffer zone)	Approved	10/16/2010	12/2/2010	





CRITERION 3 – Reducing Energy Usage











CRITERION 3 CHECKLIST

- Narrative
- 2. Building stock changes
- 3. MassEnergyInsight
 - a. Load data
 - b. Verify data
- 4. Table 3 energy use
- 5. Table 4 energy conservation measures
- 6. Table 5 renewable energy projects





6. Provide a Narrative

Provide a brief narrative explaining changes seen and what is anticipated for the next year. Any notes on successes or challenges are welcome.

Sample Narrative: Our buildings have a 12 percent decrease in energy use and the vehicles have a 4 percent reduction. We have implemented projects in the Town Hall and would have expected larger savings. We are investigating this. We are also intending to implement a large retrofit at the drinking water treatment plant this year that should yield a significant level of savings.

N	NARRATIVE:			

7. Building Stock Changes

Please describe any building stock changes that have occurred since your GC baseline year. Include the year any whether any changes are a replacement, addition, removal or renovation. Include any changes in square footage for additions. Link to Appendix A in the ERP Guidance.





Option 1: Use MassEnergyInsight

- a) Energy Reduction Plan Guidance Table 3a (Native Fuel Units)
- b) Energy Reduction Plan Guidance Table 3b (MMBtu)

REQUIRED

- Provide raw, non weather-normalized data
- Verify data
- Load gasoline, diesel, oil, propane
- Load RE production that is behind-the-meter
- RE production that is net-metered should have been provided



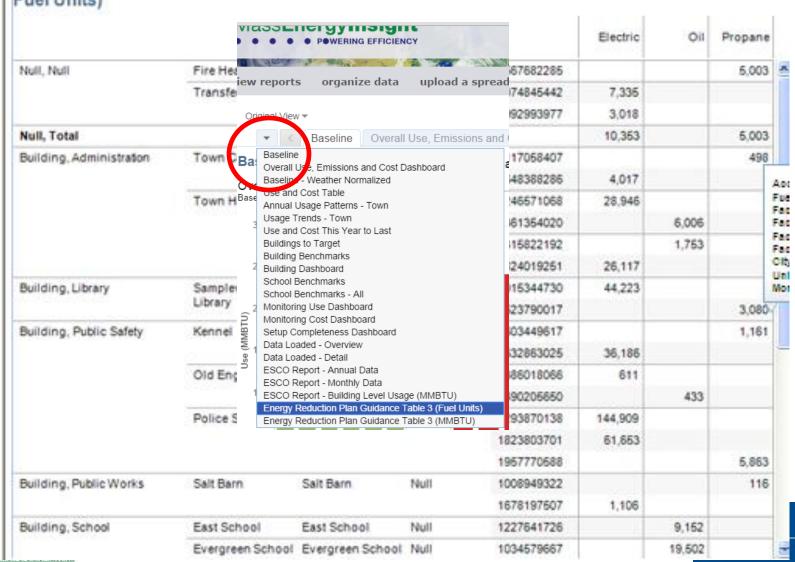






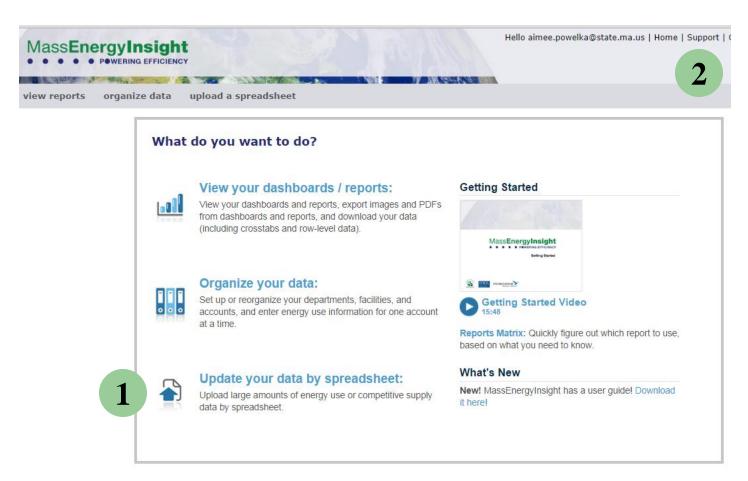


ERP Guidance Table 3a - Municipal Energy Consumption for Baseline Year FY 2010 (Native Fuel Units)



DEPA

Loading Data into MEI







Support for Loading Data into MEI

Learn how to do what you need to do. Each of the brief videos below explores a specific task in the system.

Watch them once or over and over.

Updating & organizing your data

Organize Your Energy Data - HINT: Start here 4:32

Add a New Energy Account

5:14

Add a New Item to Your Tree

4:22

Add Energy Use Data Manually

3:19

Change the Name of a Tree Item

1:43

Delete Items from the Tree

3:06

Edit Energy Account Info and Use Data

4:39

Making an Account Inactive

3:02

Reassign or Move an Account in the Tree

2:52

Remove an Account From Your Tree by Rejecting It

2:00

Streetlights and Vehicles

4:46

<u>Uploading a Spreadsheet</u>

4:34





CRITERION 3 – Using MEI ERP Table 3a for Table 3

ERP Guidance Table 3a - Municipal Energy Consumption for Baseline Year FY 2010 (Native Fuel Units)

					Electric	Qil	Propane
Null, Null	Fire Headquarters	Fire Headquarters	Null	1667682286			5,003
	Transfer Station	Transfer Station	Nutt	1074845442	7,335		
				1992993977	3,018		
Null, Total					10,353		5,003
Building, Administration	Town Clerk	Town Clerk	Nutl	1117068407			498
				1648388286	4,017		
	Town Hall	Town Hall	Null	1246571068	28,946		
				14 1354020		6,006	
		T wol di	ull	14 5822192		1,753	
				18 1019251	26,117		
Building, Library	Sampleville	Sampleville		1015344730	44,223		
	Library	Library		1523790017			3,080
Building, Public Safety	Kennel	Kennel	Null	1603449617			1,161
				1632863025	36,186		
	Old Engine House	Old Engine House	Null	1386018066	611		
				1490205650		433	
	Police Station	Police Station	Null	1293870138	144,909		
				1823803701	61,653		
				1967770688			5,863
Building, Public Works	Salt Barn	Salt Barn	Null	1008949322			116
				1678197607	1,106		
Building, School	East School	East School	Null	1227641726		9,162	
	Evergreen School	Evergreen School	Null	1034579667		19,502	

Criterion 3 Instructions: Complete Steps 1-7

1. Read and complete all questions below.

2. Complete Table 2:

Progress

Please complete Table 2 below. ALL categories are required, with the exception of open space.

Fuel use from all vehicles, including those characterized as exempt AND non-exempt under Criterion 4, must be included.

Renewable Energy is a fuel source and the amount of renewable energy consumed by the Green Community must be included.

For MassEnergyInsight Users: the easiest way to populate this table is to look at the ERP Guidance Table 3b (MMBTU) for each year. Enter the category totals and the grand total. Any null energy use should be assigned to the proper category or at least be consistent across the years. Please note if baseline numbers have changed due to any adjustments made in MEI, and, if so, what those adjustments were. Please verify that Table 2 matches the information in Table 3 (or MassEnergyInsight if using it to report).

To include a percentage of the energy use of a Regional School district, please include 3 versions of Table 2: one for the combined and final totals, one for the municipality alone, and one for the RSD (in its entirety, noting the applicable percentage).

3. Complete Table 3: Energy Use

REMEMBER to load all diesel, gasoline, heating oil and propane energy usage, as well as renewable energy usage that is NOT net-metered, into MEI prior to providing a date that your data is complete. Also, confirm that Table 3 in MEI matches the data provided in Table 2.

If your community uses MassEnergyInsight (MEI) to provide data for Table 3, provide the date the information in MassEnergyInsight was last verified. By including a date below, you are **confirming that the information in MEI is accurate and complete (including all fuels and renewable energy)** and that you wish to report your Green Community annual energy usage directly through MEI. If your community does not use MEI, please complete "Crit 3 - Tbl 3, Non-MEI User Only."

DATE:

петріну Маззаснизецз іминістранцез стеате я стеанег Епетуу пиціте

POLL

Do you know how to load energy use data to MassEnergyInsight?

- a) Yes, no worries
- b) Probably, but I need to watch those videos to remember more
- c) No, I need help
- d) What kinds of data again?





CRITERION 3 – Option 2: Use Table 3 for Non-MEI Users *EACH YEAR*

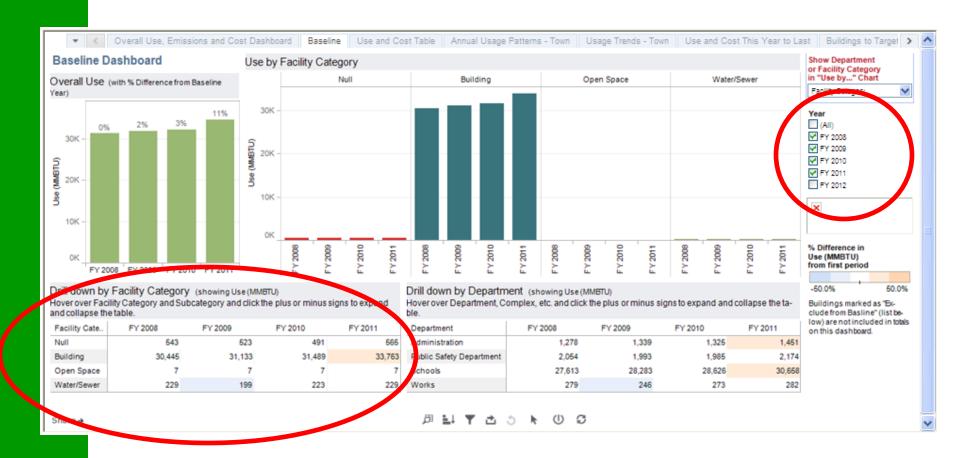
	Table 3: Annual Municipal Energy Use in Native Units and MMBtu - Plan Year <select year=""></select>																
	Please enter "0" for any fuels not used																
	Electri			al Gas	Fue	stillate el Oil		Propane		Gasoline		Diesel		ctric wable ergy	Energy		
		MMBt u	Ther ms		Gallo ns					MMBt u				MMBt u	Therm s	MMBt u	Total MMBtu
School		0		0		0		0		0		0		C		0	0
Town Hall		0		0		0		0		0		0		C		0	0
Police Station		0		0		0		0		0		0		C		0	0
SUBTOTAL FOR BUILDINGS	0	0	C	0	0	0	0	0	0	0	0	0	C) C	0	0	0
Drinking Water/Wastewater Treatment Plant		0		0		0		0		0		0		C		0	0
Pumping in Aggregate		0		0		0		0		0		0		C		0	0
Open Space*		0		0		0		0		0		0		C		0	0
Vehicles in Aggregate		0		0		0		0		0		0		C		0	0
Street and Traffic Lights in Aggregate		0		0		0		0		0		0		C		0	0
TOTAL ENERGY CONSUMPTION	0	0	C	0	0	0	0	0	0	0	0	0	C	C	0	0	0

	Table	2: Timeliı	ne of Annu	ıal Municip	al Energy	Use		
	Baseline MMBtu	Year 1 MMBtu	Year 2 MMBtu	Year 3 MMBtu	Year 4 MMBtu	Year 5 MMBtu	Year 6 MMBtu	For Most Recent Year: Change vs. Baseline (%)
Note Fiscal or								
Calendar Year								"DD 1/01
Buildings								#DIV/0!
Water/Sewer &								
Pumping								#DIV/0!
Open Space (optional)								#DIV/0!
Vehicles								#DIV/0!
Street and Traffic Lights								#DIV/0!
TOTAL ENERGY CONSUMPTION								#DIV/0!





CRITERION 3 – Using MEI Baseline for Table 2







4. Complete Table 4: Energy Conservation Measures (ECMs)

Update your ECMs in Table 4 by: 1) changing the status and status date for any ECMs already included, 2) adding any new ECMs, 3) and providing an ECM type in Column F.

If your community uses an Energy Management Services (EMS) Agreement, your EMS annual report may be used to fulfill your Green Communities Annual Report Table 4 requirement. Please provide the date it was filed with DOER, or the date it will be filed if filing is anticipated in the next six months. Other efficiency measures undertaken independently of the performance contract should be reported using Table 4. All other portions of the Green Communities Annual Report must be completed.

DATE:

5. Complete Table 5: Renewable Energy Projects

Update your RE projects in Table 5 by: 1) changing any status dates, 2) adding, in bold, any new RE projects, and 3) drawing a line through any RE projects that have been abandoned.

Does your Green Community use any energy produced by renewable energy produced within your community? For example, solar PV systems installed on school <Select or municipal buildings, RE PPAs in which the town buys the electricity, or renewable thermal. Please Reply NO or YES. (Delete the appropriate word in the box to the right) If YES, complete Table 5.

YES or NO>





Purpose

- Provide, in one place, a summary of ALL the efficiency work that your Green Community has completed
- To enable DOER to understand the magnitude of effort and funding, beyond GC grant projects, it takes Green Communities to reach a 20% reduction in energy use

New This Year

- Provided last year's Table 4 contents
- Added Project Type and Status Type columns
- These have been added for existing projects please verify





Project Type Definition/Includes:

Behav & Training	Behavioral programs, building operator training, etc.
Building Control	HVAC controls, energy management systems (NO vending misers)
Exterior Lighting	Streetlights, traffic lights, parking lots/garages, exterior lighting
Interior Lighting	Interior lighting & controls
Fuel Conversion	Conversion from one heating fuel type to another (often oil to natural gas)
Hot Water	Hot water heaters, pipe insulation, showerheads, faucet aerators, efficient dish washers
HVAC	Heating or cooling equipment, economizers, destratification fans, dehumidifiers, duct sealing or insulation (NO VFDs)
Pump/Motor/Drive	Pumps, motors, variable frequency/speed drives
Refrigeration	Refrigeration and controls, including vending misers
Retrocommission	Retrocommissioning and submetering projects
Vehicles	Energy-savings vehicles & their operations: GPS, anti-idling retrofits, routing software, big belly trash collectors, hybrid or EV purchases
Weatherization	Insulation, air-sealing, windows, etc.
Comprehensive	Large-scale retrofit of the entire building or multiple systems. Examples: building renovations, lighting + HVAC + EMS
Other	Use this only if types above do not fit

Status	Type	Definition/Includes:
	-)	

Project is complete & operational.
Project is actively underway - procurement completed and in any stage of construction.
Identified project that will be pursued; may be in budgeting or procurement.
Project is not completed and will no longer be pursued.
_





		ECMs						Energy	/ Data		
Category	Building Name	Energy Conservatio n Measure Name	ECM Type (select one from drop- down)	Status (select one from drop- down)	month/ye	ed Annual Electrici ty Savings		ed Annual Oil Savings (gallons	ed Annual Propan e	Gasolin e	ed Annual Diesel
Buildings	Green School	Lighting Retrofit	Interior Lighting	Complete	Feb-11	95,252	0	0	0	0	0
Buildings	Town Hall	Air Sealing	Weatherizatio n	Active	Dec-14	0	230	0	0	0	0
Buildings	Town Hall	New Boiler	HVAC	Planned	Q3 2015	0	17,122	. 0	0	0	0
Street and Traffic Lights	Street Lights	LED Conversion	Exterior Lighting	Active	Jan-15	6,000	0	0	0	0	0
Water/ Sewer/ Pumping	Drinking Water Treatment Plant		Pump/Motor/ Drive	Complete	Q3 2012	500,000	0	0	0	0	0
Vehicles	Vehicles	Anti-idling retrofit for 2 police cruisers	Vehicles	Complete	Q2 2014	0	0	400	400	400	400
Vehicles	Vehicles	Purchase of 2010 Hybrid Civic Hybrid to replace 2001 Toyota Camry (incremental cost)	Vehicles	Planned	Q3 2015	0	0	260	260	260	260
	TOTAL Projected Savings					601,252	17,352	660	660	660	660
			Btu SAVINGS			2,051	2,412	82	82	82	82
Massachusetts DEPARTMENT OF ENERGY RESOURCES	Helping	g Massachu	isetts Muni	cipalitie	s Create	A Clea	ner Ene	rgy Fut	ure	of Energy I	tts Department Resources

		Financial D	ata		Reference Data			
Projected Annual Cost Savings (\$)	Total Installed Cost (\$)	Green Community Grant (\$)	Utility Incentives (\$)	Net Cost (\$)	Funding Source(s) for Net Costs	Source for Projected Savings		
\$8,000	\$25,000	\$0	\$12,500	\$12,500	Town Capital Plan FY2011	http://www.energystar.g ov/ia/business/downloa ds/BP_Checklist.pdf		
\$1,100	\$3,500	\$1,750	\$1,750	\$0	N/A	A-Z Energy Audit, 2008		
\$5,000	\$50,000	\$35,000	\$15,000	\$0	N/A	Boilers-to-Go Quote, 2009		
\$14,100	\$78,500	\$36,750	\$29,250	\$12,500				
\$2,500	\$5,000	\$0	\$2,500	\$2,500	Town Operating Budget FY2011	LED Signals Today Quote, 2009		
\$2,500	\$5,000	\$0	\$2,500	\$2,500				
\$40,000	\$200,000	\$0	\$100,000	\$100,000	Town Bond FY2012	Energy Masters Technical Study, 2010		
\$40,000	\$200,000	\$0	\$100,000	\$100,000				
\$4,500	\$6,000	\$0	\$0	\$6,000	Town Operating Budget FY2012	green.autoblog.com		
\$900	\$6,000	\$2,000	\$0	\$4,000	Town Capital Plan FY2011	www.fueleconomy.gov		
\$5,400	\$12,000	\$2,000	\$0	\$10,000				
\$62,000	\$295,500	\$38,750	\$131,750	\$125,000				





	tep 5: Complete linewable Energy	Γable 5 -															
	Measure			State	us		En	ergy Da	nta			Fir	nancial D	ata		Refere	ence Data
Location	Site Type	Renewable Energy Project Name	Energy	(select one	Status Timeline (Comple ted with month/y ear or planned Qtr/year)	Size of Syste m (kW or MMBtu	Electri	al Fuel(s)	Annual Therm	Annual Gasoli ne	ed Annual Cost	Total	Green Commu nity Grant (\$)	Other Grant (\$)	Net Cost (\$)	Fundin g Source (s) for Net Costs	Source for Projected Savings
																	-
To insert additional rows, select this row, right-click, and select "Insert."																	
	Projec	TOTAL ted Savings					0	0	0	0	0	0	0	0	C		
TOTAL RENEWA	BLE ENERGY PF (MMBtu)	RODUCTION			0		0									-	





POLL

Do you have concerns about the impact of weather on your Green Communities energy reduction progress?

- a) Yes
- b) Yes, it impacts our cost savings
- c) Maybe, it depends upon the weather that year
- d) No





CRITERION 4 – Fuel-Efficient Vehicles









Policy and Inventory Worksheets

- Click on the yellow cells for Questions 1-6 and choose from the drop down box
- 2. Type any narrative into the yellow cell under Question 7
- 3. Check the green Narrative cell under Question 8 for accuracy
- 4. Click on the yellow Narrative under Question 8a if your are using an Alternative Compliance method for Criterion 4 and fill in the status of the Alternative Compliance method
- 5. Review the Criterion 4, Table 6 worksheet. Check the green cells for accuracy and provide any information requested from Question 5, in the purple cell at the bottom of the Vehicle Policies worksheet
- 6. Fill out Table 6 as appropriate



Criterion 4 Purchase Fuel
Efficient Vehicles

1) Municipalities must have a fuel efficient vehicle policy that reflects the most recent guidance provided by the Green Communities Division (see http://www.mass.gov/eea/energy-utilities-clean-tech/green-communities/gc-grant-program/criterion-4.html for most recent guidance).

2) Did you update your vehicle policy this year?

<Select YES or NO>

3) Did you install electric vehicle charging stations?

<Select YES or

4) Did you implement anti-idling technology and/or campaigns?

<Select YES or NO>

5) Did you implement a driving monitoring system that records miles driven and/or fuel consumption?

<Select YES or NO>

6) Did you implement a fuel use reporting system for operators on fuel efficiency?

<Select YES or





technology or policies and/or technologies not listed above? Please estimate annual fuel savings from each new technology or policy in the yellow box below. Also please attach any new vehicle policies and technologies adopted by the municipality to this annual report.
NARRATIVE:
8) For communities that met Criterion 4 through alternative compliance, provide a narrative in the space below of the policies and programs that have been adopted to reduce fuel consumption.
NARRATIVE:
8b) For communities that met Criterion 4 through alternative compliance, provide as a status regarding the success of these programs and policies.
NARRATIVE:





4) Have there been any changes to your vehicle inventory since the last annual report?

<Select YES or

5) Please provide the most current vehicle inventory that includes ALL vehicles (Both exempt and non-exempt) for ALL departments, including schools. Please do not report any exempt off-road vehicles, trailers, etc. The inventory submitted with either your most recent Annual Report filing or, if filing for the first time, submitted with your designation application, is either contained in the next worksheet, "Crit 4 - Table 6 Vehicle Inv.," or provided as separate file. In the inventory, 1) note in column L if a vehicle has been acquired since the last annual report, 2) if yes, note what the newly acquired vehicle replaced in the inventory in column M, and 3) note in column N if the vehicle has been retired. NOTE: For the purposes of the program, municipalities must use the EPA combined fuel economy estimate listed at FuelEconomy.gov and ensure that the rating greater than or equal to the requirement for the relevant vehicle type.





Table 6: SAMPLE Vehicle Inventory

Click here to return to Table 6

Model	Make		Month/Ye ar Purchase d	2WD, 4	? (Y or	_	COMBINED MPG Rating		Is this a new acquisitio	vehicle	Remove d from inventor
Honda	Civic Hybrid	2013	July, 2013	2WD	N	NE	43	Inspector/ Assessor shared car	YES	see vehicle on line 8 now deleted	
Ford	Crown Victoria	121111	April, 2011	2WD	NA	E	11 /1	Police CRUISER			
Ford	Crown Victoria	1999		2WD	N	NE	13	Assesor			YES





CRITERION 5 – Stretch Code







Table 7

- 1. Check green cells at the top of the page for accuracy
- 2. Click on the yellow cell at the top of the worksheet and select yes or no from the drop down box to answer the question, "Have there been any new building permits since the Stretch Code became sole effective code?"
- 3. Check the green cells/rows in Table 7 for Stretch Code Projects for accuracy
- 4. Add new Stretch Code Projects in the yellow cell/rows for this reporting year
- Use the drop down box for Column D when choosing if the project is New Residential (NR), Residential Retrofit (RR) or Commercial (C)

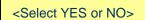




Date Stretch Code Concurrency Period Began:

Date Stretch Code Became Sole Effective Code:

Have there been any new building permits since the Strech Code became sole effective code?



If filing for the first time, please fill out the table below and add rows as as needed. Please list in Table below all residential and commercial projects that were affected by the Stretch Code and for which building permits have been issued since the Stretch Code became the sole effective code, along with accompanying information noted below. If a previous Annual Report was filed, your table from the previous report is provided below for updating. For notes on Certificate of Occupancy: if New Residential (NR), provide final HERS Rating; If Residential Retrofit (RR) provide HERS rating OR "P" for Prescriptive; If Commercial and > 100K sq ft, note percent energy savings relative to ASHRAE 90.1-2007.

	Stretch Code Projects	Table 7 (Add more rows as nece	ssary)	
Address of Building	New Residential (NR), Residential Retrofit (RR) or Commercial (C)	Date Building Permit Issued	Dated Certificate of Occupancy Issued (if not issued, please note NA)	Notes on Cert of Occupancy
To insert additional rows, select this row, right-click, and select "Insert."				



Other Notes

Please provide in the space below any anecdotal information about your community's experience with the Stretch Code (e.g. local banks loaning more to people purchasing stretch code homes, satisfied homeowners, frustrated builders, etc.).
Please provide in the space below any information about additional measures taken by the community that are consistent with its status as a designated Green Community(e.g. additional as-of-right siting put in place since designation for renewable or alternative energy generation, R&D, or Manufacturing facilities).
Please provide in the space below what percentage of your municipality's electricity consumption is supported by renewable energy generation? Of this percentage, how much of this is onsite generation? How much of this is net metering? How much of this is through the purchase of Renewable Energy Certificates (RECs)?
renewable energy generation? Of this percentage, how much of this is onsite generation? How much of this is net metering





COMMON ISSUES & QUESTIONS

- No report ineligible for next GC funding opportunity
- Failing to adhere to Designation Criteria
 - Inefficient vehicle purchases
 - Stretch code violations
 - 1st corrective action plan
 - 1st may impact next GC funding opportunity
 - 2nd ineligible for next GC funding opportunity

Dec. 5, 2014





COMMON ISSUES & QUESTIONS

- Energy use reductions
 - Increases in energy use do not impact GC designation
 - Nor does difficulty reducing energy use contact your RC for help
 - •Renewable energy use is still counted as energy usage
 - Communicating with the public that your Green Community has achieved its
 20% energy use reduction
 - please coordinate with DOER
 - must be after completion of 5th or 6th year
 - Communicating the impacts of weather

Dec. 5, 2014





CRITERION 3 – Communicating Weather Impacts

Baseline - Weather Normalized







Assistance - Regional Coordinators



WERO – SPRINGFIELD: Jim Barry Jim.Barry@state.ma.us



NERO – WILMINGTON: Joanne Bissetta Joanne.Bissetta@state.ma.us



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



SERO – LAKEVILLE: Seth Pickering Seth.Pickering@state.ma.us



