

[Click here to view a sample version of this table](#)

To insert additional rows, select the row, right-click, and select "Insert."

GREEN COMMUNITY ANNUAL REPORT

- 1) In order for a municipality to maintain its Green Community Designation and be eligible for the next available Green Communities funding opportunity, annual reports must be submitted **no later than December 2, 2016 for the reporting period July 1, 2015 – June 30, 2016**. Late reports may deem a community ineligible for future Green Communities grants.
- 2) Please be certain to address all areas in full. If certain requested information does not apply, then please note it as "N/A."
- 3) Please follow the instruction for reporting on each Criteria on the individual Criterion Excel Sheets.
- 4) If you have any questions on these reporting requirements, please contact your DOER Green Communities Regional Coordinator (RC). The objective is to have a dialogue with Green Communities staff **BEFORE** the report is due so that minimal follow-up with the municipality is required after the due date.
- 5) Print, fill out completely, and submit a signed copy of this page of the completed annual report as a PDF via the online system.
- 6) Submit your community's full Excel file electronically as Excel via the online system with any other supporting files. ***This page must be signed, made into a PDF, and submitted as a separate file.*** Please submit only **one Excel file** for the annual report. DOER will not accept multiple spreadsheets
- 7) NOTE: In the case of any criteria violations(e.g. a vehicle purchased that does not meet the fuel efficient vehicle policy), the municipality will be asked to provide a corrective action plan. A first-time violation will be factored into consideration when DOER awards funds under the next available Green Communities funding opportunity. A second violation may prohibit the municipality from being eligible for any funds in the next available Green Communities funding opportunity.

8) Fields highlighted in yellow should be completed by Green Communities.

9) Fields highlighted in green should be pre-populated by the Regional Coordinators

Date Designated:

December-14

PLEASE NOTE: For a municipality designated December 2014, the reporting period is 18 months, Jan 1 2015 - June 30 2016

Date of Annual Report Submission

10-Feb-17

Name of Preparer of Annual Report

Gerald R. Boyle

Title

Director of Facilities

Municipality Name

Belmont

I confirm that I have reviewed this report and verify 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

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.

Criteria 1 and 2

Type of as-of-right siting approval received:

R&D

Type of expedited permitting approval received:

Local

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, submit the same documentation required for designation for CR1 to verify that you still meet the requirements (applicable sections of the zoning by-law, definitions, 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.

NO

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.

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.

NO

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

NO

NARRATIVE:

PERMITTING:

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

NO

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

Table 1
Expedited Permitting Projects (Please add rows as required)

[Click here to view a sample version of this table.](#)

PROJECT NAME	Type (Generation (Capacity), R&D, and/or Manufacturing)	As-of-right designated location	Applicant	Project Description	Permit(s) (use as many rows as required)	Status	Date Submitted	Decision Date	Other Pertinent Information
To insert additional rows, select this row, right-click, and select "Insert."									

[Click here to return to Table 1](#)

Table 1: <i>SAMPLE</i> Expedited Permitting Projects								
PROJECT NAME	Type (Generation (Capacity), R&D, and/or Manufacturing)	As-of-right designated location	Applicant	Project Description	Permit(s) (use as many rows as required)	Status	Date Submitted	Decision Date
<i>Hilltop Wind</i>	<i>Renewable Energy (wind) 9 MW</i>	<i>landfill</i>	<i>Peak Performance , LLC.</i>	<i>Six 1.5 MW wind turbines on 16 acres of land</i>	<i>Site Plan Review</i>	<i>Approved</i>	<i>11/1/2010</i>	<i>1/21/2011</i>
					<i>Wetlands (access road is in buffer zone)</i>	<i>Approved</i>	<i>10/16/2010</i>	<i>12/2/2010</i>

Other Pertinent Information
<i>Modest design changes to conform to as-of-right bylaw</i>

Criterion 3 Instructions: Complete Steps 1-7 Below

1. Read and complete all questions below.

2. Complete Table 2: Progress

Please complete Table 2 on next page. 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.

If you are using MEI. Please note that there is a new report available (entitled Energy Reduction Plan Guidance Table 2). This contains the data you need to enter into Table 2. Please review the data in MEI and, if accurate, enter it into the Table 2 on the next page. Note also that if you click on the "years" down arrow on that MEI report, you can choose which year is your baseline year.

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:
12/2/16

WEATHER NORMALIZED DATA - DOER will allow Green Communities to choose to assess their progress using weather-normalized data through a DOER-approved weather normalization methodology. Qualifying methods include use of MassEnergyInsight or Energy Star Portfolio Manager. Please contact your Regional Coordinator for assistance if you use a different energy-tracking tool.

Enter weather-normalized total energy consumption for each year of your ERP in Table 2, Row 14. In MassEnergyInsight, this information is available in the Baseline - Weather Normalized 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:

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 within your community? For example, solar PV systems installed on school or municipal buildings, RE PPAs in which the town buys the electricity, or renewable thermal. Please select YES or NO in the dropdown on the right. If YES, complete Table 5.

<Select YES or NO>

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.

NARRATIVE:

7. Building Stock Changes

[Please describe any building stock changes that have occurred since your GC baseline year. Include the year and whether any changes are a replacement, addition, removal or renovation. For more detailed information, click here for our Guidance.](#)

Criterion 3 Step 2: Complete Table 2 - Progress

Table 2: Timeline of Annual Municipal Energy Use							
	Baseline MMBtu	Year 1 MMBtu	Year 2 MMBtu	Year 3 MMBtu	Year 4 MMBtu	Year 5 MMBtu	For Most Recent Year: Change vs. Baseline (%)
Note Fiscal or Calendar Year	FY 2014	FY 2015	FY 2016				
Buildings	74,434	69,463	69,453				6.7%
Open Space	5,605	218	200				96.4%
Street & Traffic Lights							#DIV/0!
Vehicles	7,470	3,973	3,366				54.9%
Water/Sewer							#DIV/0!
TOTAL ENERGY CONSUMPTION (NO Weather Normalization)	87,509	73,654	73,019	0	0	0	16.6%
TOTAL ENERGY CONSUMPTION (Weather-Normalized)	83,052	68,906	72,519				12.7%

For use in next Table 4 - ECMs**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
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,
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:**

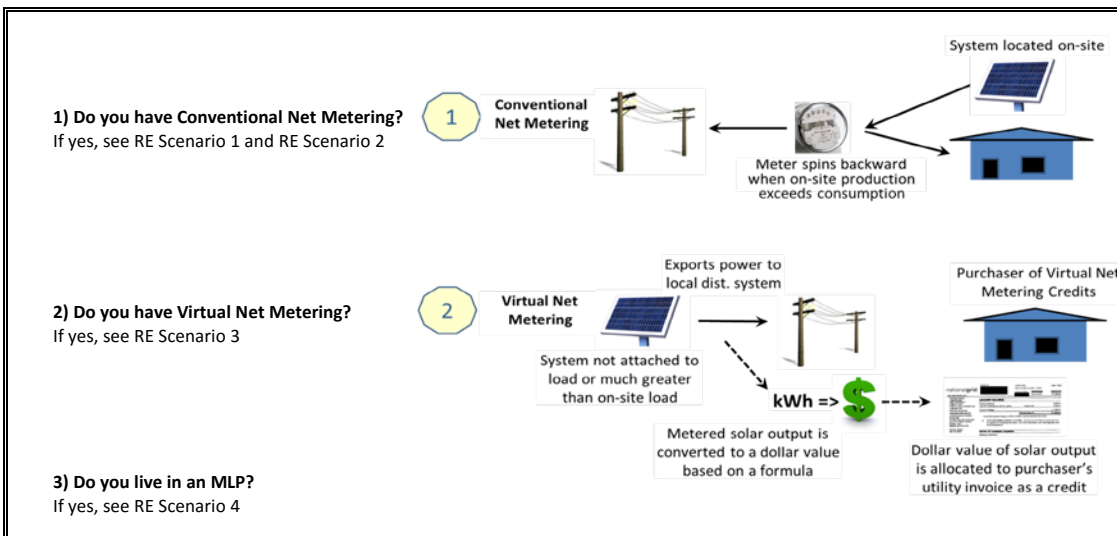
Complete	Project is complete & operational.
Active	Project is actively underway - procurement completed and in any stage of construction.
Planned	Identified project that will be pursued; may be in budgeting or procurement.
Abandoned	Project is not completed and will no longer be pursued.

[Click here to return to Table 4](#)

Table 4 SAMPLE Energy Conservation Measures Data																	
ECMs			Status		Energy Data						Financial Data					Reference Data	
Category/Building Name	Energy Conservation Measure Name	ECM Type (select one from drop-down)	Status (select one from drop-down)	Status Date (Completed with month/year or planned Qtr/year)	Projected Annual Electricity Savings (kWh)	Projected Annual Natural Gas Savings (therms)	Projected Annual Oil Savings (gallons)	Projected Annual Propane Savings (gallons)	Projected Annual Gasoline Savings (gallons)	Projected Annual Diesel Savings (gallons)	Projected Annual Cost Savings (\$)	Total Installed Cost (\$)	Green Community Grant (\$)	Utility Incentives (\$)	Net Cost (\$)	Funding Source(s) for Net Costs	Source for Projected Savings
Green School	Lighting Retrofit	Interior Lighting	Complete	Feb-11	95,252	0	0	0	0	0	\$8,000	\$25,000	\$0	\$12,500	\$12,500	Town Capital Plan FY2011	http://www.energystar.gov/ba/business/downloads/BP_Checklist.pdf
Town Hall	Air Sealing	Weatherization	Active	Dec-14	0	230	0	0	0	0	\$1,100	\$3,500	\$1,750	\$1,750	\$0	N/A	A-Z Energy Audit, 2008
Town Hall	New Boiler	HVAC	Planned	Q3 2015	0	17,122	0	0	0	0	\$5,000	\$50,000	\$35,000	\$15,000	\$0	N/A	Boilers-to-Go Quote, 2009
Street Lights	LED Conversion	Exterior Lighting	Active	Jan-15	6,000	0	0	0	0	0	\$2,500	\$5,000	\$0	\$2,500	\$2,500	Town Operating Budget FY2011	LED Signals Today Quote, 2009
Drinking Water Treatment Plant	2 Variable Speed Drives	Pump/Motor/Drive	Complete	Q3 2012	500,000	0	0	0	0	0	\$40,000	\$200,000	\$0	\$100,000	\$100,000	Town Bond FY2012	Energy Masters Technical Study, 2010
Vehicles	Anti-idling retrofit for 2 police cruisers	Vehicles	Complete	Q2 2014	0	0	400	400	400	400	\$4,500	\$6,000	\$0	\$0	\$6,000	Town Operating Budget FY2012	green.autoblog.com
TOTAL Projected Savings					601,252	17,352	400	400	400	400	\$61,100	\$289,500	\$36,750	\$131,750	\$121,000		
TOTAL MMBtu SAVINGS			4,662		2,051	2,412	50	50	50	50							

GUIDANCE FOR REPORTING RENEWABLE ENERGY GENERATION AS ENERGY CONSUMPTION

The following scenarios apply to renewable energy systems that are interconnected to the electric grid. It is possible that more than one scenario applies to the same renewable energy system; for example, a solar PV system may generate less energy than its building uses in the winter (scenario 1), but generate more energy than its building uses in the summer (scenario 2). Ideally, calculations should be done for each month.



RE Scenario 1: Conventional Net Metering, System Generation < Building Use = Importing Power

If the building uses more electricity than the RE system generates, your electric meter registers power from the electric company. Then a Green Community should add in the amount of RE generation to the total kWh on electric bill + kWh generated by RE.

For example:

Total Grid Electricity on electric bill (kWh):	3,000
Total Net Metering Credits on electric bill (kWh):	0
Total generated by the RE system (kWh):	+7,000
Total building use (kWh):	10,000



Find and Calculate: Find the kWh generated each month from your RE system. Contact your Regional Coordinator if you are having trouble finding the kWh generated each month.

Action: Load the building renewable energy usage into MassEnergyInsight. Create a separate account for each RE system at each building. Load the RE generation for each month by going to "Upload a Spreadsheet." Choose "solar electric" or "wind power." Upload your usage data. If not using MassEnergyInsight, report to DOER in your Annual Report.

RE Scenario 2: Conventional Net Metering, System Generation > Building Use = Exporting Power

If the RE system generates more electricity than the building uses your electric meter registers power to the electric company. Then a Green Community should not add in the amount of generation over the total building energy use = kWh generated by RE – kWh credited to electric bill for net use.

For example:

Total Grid Electricity on electric bill (kWh):	0
Total Net Metering Credits on electric bill (kWh):	-1,000
Total generated by the RE system (kWh):	+7,000
Total building use (kWh):	6,000



For help locating net metering credits on your electric bill go to:

https://www.nationalgridus.com/non_html/MA_DG_First_Bill.pdf

<https://www.eversource.com/Content/ema-e/residential/programs-services/interconnections-net-metering/net-metering-faq>

Find and Calculate: Find the total kWh generated each month from your RE system. Find the net metering credits in kWh applied to your electric bill each month. Subtract the net metering credits in kWh from the total RE generated. This is your building's NET use of renewable energy generated. Contact your Regional Coordinator if you are having trouble finding the kWh generated and credited each month.

Action: Load the **NET** building renewable energy usage into MassEnergyInsight. Create a separate account for each RE system for each building. Load the RE generation for each month by going to "Upload a Spreadsheet." Choose "solar electric" or "wind power." Upload your usage data. Or, report to DOER in your Annual Report.

RE Scenario 3: Virtual Net Metering

If a building is virtually net metered, in which the RE system has its own separate meter but the financial credits are applied to a different building, then the actual amount of electricity use of the building will be on its electric bill. For example, a municipality may have built a solar PV array on a closed landfill. The PV system has a meter but does not link to any buildings that consume a substantial amount of energy. (The PV system will be linked to its inverter and perhaps to a small shed or security lights.) The financial value of the electricity that is generated by the landfill solar PV system is applied to an account for electric use at the town hall and to an account for electric use at the library. The electric bills for the town hall and library thus will show the amount of electricity that is actually used by those buildings, but only charge for the amount of electricity above and beyond what was generated by the solar PV system on the landfill. See DOER's Net Metering page for more details on credits for renewable generation.

Information Needed: Written confirmation of virtual net metering documenting there is a separate meter used for the RE system with only a small load-side usage. The load-side usage should be reported to MassEnergyInsight under Scenario 2 above.

Action: Generation does not impact baseline and should NOT be loaded into MassEnergyInsight. Provide information needed as noted above. Report load-side usage under Scenario 2 above.

RE Scenario 4: RE Generation to Control Rates (for MLPs)

If an MLP uses its RE generation to control its system-wide rates and does not use the RE for a specific municipal building, either directly or through virtual net metering, then the amount of RE generation does not need to be included.

Information Needed: Written confirmation of RE generation for system-wide benefit with no virtual net metering. The load-side usage should be reported to MassEnergyInsight under Scenario 2 above.

Action: Generation does not impact baseline and should NOT be loaded into MassEnergyInsight. Provide information needed as noted above.

[illegible]

Criterion 4 - Purchase Fuel Efficient Vehicles

1) Did you update your vehicle policy this year?

NO

2) Did you install electric vehicle charging stations?

NO

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

NO

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

NO

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

NO

6) Any other 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:

7) 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:

7b) For communities that met Criterion 4 through alternative compliance, provide as a status regarding the success of these programs and policies.

NARRATIVE:

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

YES

9) 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.

Facilities - Town Side

Contact: Kevin Looney

YEAR	MAKE	MODEL	Number:	Purchase d (MM/YY)	Drive System (2WD/4W D/AWD)	>8,500 lbs. ? (Yes/No)	Exempt (Y/N)	MPG rating	Function
2010	CHEV	Silverado 2500		07/10	4WD	Y	Y	14	Maintenance and Mail for Town Buildings

Council on Aging:

Contact: Nava Niv-Vogel

YEAR	MAKE	MODEL	Number:	Purchase d (MM/YY)	Drive System (2WD/4W D/AWD)	>8,500 lbs. ? (Yes/No)	Exempt (Y/N)	MPG rating	Function
2008	FORD	E250		05/08	2WD	N	Y	13.3	Handicap Van for Senior Transportation
2012	FORD	Cutvan / E-Series Bus		05/14	2WD	Y	Y	8	"Belder Bus" for Senior Transportation

Fire Department

Contact: David Frizzel

YEAR	MAKE	MODEL	Number:	Purchase d (MM/YY)	Drive System (2WD/4W D/AWD)	>8,500 lbs. ? (Yes/No)	Exempt (Y/N)	MPG rating	Function
2008	TRAILEX	TRAILER	Boat Trailer		N/A	N	Y	N/A	Trailer to carry boat to emergencies
2013	FORD	INTERCEPTOR UTILI	Car 1	12/12	AWD	N	N	17-24	Chiefs Command Car
2007	FORD	EXPLORER	Car 2	03/07	4WD	N	N	13-18	Assistant Chiefs Command Car
2015	FORD	EXPEDTION	Car 3	06/15	4WD	N	Y	9-14	Shift Commander Response Vehicle
2007	FORD	EXPEDITION	Car 4	12/12	4WD	N	N	12-18	Fire Prevention Staff Car
2015	FORD	F150 Pickup	Car 5	10/15	4WD	N	N	12-16	Training / Fire Prevention / Spare Shift Commander Response Vehicle
2014	EMERGENCY ONE	PUMPER TRUCK	Engine 1	12/14	2WD	Y	Y		Primary Pumper Station 2
2005	EMERGENCY ONE	PUMPER TRUCK	Engine 2	01/06	2WD	Y	Y		Primary Pumper Station 2
2008	INTERNATIONAL	PUMPER TRUCK	Engine 3	02/08	2WD	Y	Y		Brush Truck / Secondary Pumper Station 2
2003	EMERGENCY ONE	PUMPER TRUCK	Engine 4	04/03	2WD	Y	Y		Back up Pumper Station 1
2014	EMERGENCY ONE	LADDER TRUCK	Ladder 1	12/14	2WD	Y	Y		Primar Ladder Truck
1999	EMERGENCY ONE	LADDER TRUCK	Ladder 1	11/99	2WD	Y	Y		Backup Ladder Truck
2005	WELLS	UTILITY TRAILER	Light Trailer	11/05	N/A	N	Y	N/A	Portable Light Tower
2012	FORD / HORTON	AMBULANCE	Rescue 1	04/12	4WD	Y	Y		Primary Ambulance
2007	CHEV / HORTON	AMBULANCE	Rescue 2	06/07	2WD	Y	Y		Secondary Ambulance
2005	MAGNUM TRAILER		Tac Trailer	08/04	N/A	Y	Y	N/A	Technical Rescue Trailer
1999	FORD	F-450 Pick-Up	Tac-1	09/98	4WD	Y	Y	11	Brush Unit / Move Trailers / Plow Stations

Health Department

Contact: Stefan Russakow

YEAR	MAKE	MODEL	Number:	Purchase d (MM/YY)	Drive System (2WD/4W D/AWD)	>8,500 lbs. ? (Yes/No)	Exempt (Y/N)	MPG rating	Function
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2007	Ford	500	HL-1	07/10	AWD	N	N	21-25	Administrative Vehicle
2005	CHEV	ASTRO VAN	HL-2	02/05	AWD	N	Y	14-20	Animal Control

DPW - Highway Division

Contact: Mike Santoro

YEAR	MAKE	MODEL	Number:	Purchase d (MM/YY)	Drive System (2WD/4W D/AWD)	>8,500 lbs. ? (Yes/No)	Exempt (Y/N)	MPG rating	Function
1951	Sewer	Trailer	54	N/A			Vacant	N/A	Vacant
1980	Pavemaster	Trailer P20	77	N/A			Y	N/A	Operations Trailer
1989	JCB	1400B	38	08/89	4WD	Y	Y	N/A	Operations Vehicle Small Loader
1989	Torwell	Slide-in Sander E27B8	70	N/A			Y	N/A	Snow Slide In Sander
1990	Gibson	Trailer Cement Mixer	60	12/98			Y	N/A	Operations Vehicle Cement Mixer
1990	Tarco	Trailer TT1-4 95W	68	05/00			Y	N/A	Operations Vehicle Leaf Machine
1991	Sreco	Trailer	51	08/96			Y	N/A	Operations Trailer
1991		Trailer	76	N/A			Y	N/A	Operations Trailer
1992	Leroi	185CFM	28	N/A	trailer		Y	N/A	Operations
1994	Bombardier	Sidewalk Tractor SW4	39	02/95	AWD	Y	Y	N/A	Snow Sidewalk Tractor
1994	Bombardier	Sidewalk Tractor SW4	43	04/96	AWD	Y	Y	N/A	Snow Sidewalk Tractor
1996	Ford	Ranger Pick-Up	E14	07/96	2WD	N	N	15-20	Operations Vehicle
1996	Chevrolet	GMT400	27	08/96	2WD	N	N	N/A	Operations Vehicle Truck Mounted Comp.
1996	Sreco	Trailer HM-516TR	53	06/96			Y	N/A	Operations Trailer
1996	Beuthing	Slide-in B-100	62	10/99			Y	N/A	Operations Vehicle Small Roller
1997	International	Snowfighter 5000	32	03/92	4WD	Y	Y	N/A	Snowfighter
1997	Vermeer	Trailer	55	12/96			Y	N/A	Opetaions Vehicle Brush Chipper
1998	International	Snowfighter	34	11/97	2WD	Y	Y	N/A	Snowfighter
1998	Bombardier	Sidewalk Tractor SW4	40	02/96	AWD	Y	Y	N/A	Snow Sidewalk Tractor
2015	International	7300	15	07/16	2WD	Y	Y	?	Operations Vehicle Large Dump Truck
1999	John Deere	250	22	12/93	4WD	Y	Y	N/A	Operations Vehicle Bobcat Machine
1999	Graco	Paint Machine 5900	59A	08/98			Y	N/A	Operations Paint Machine
1999	Graco	Paint Machine Line Las	59C	06/99			Y	N/A	Operations Paint Trailer
2000	International	Trailer BW510	56	04/11			Y	N/A	Opetaions Vehicle Trailer
2000	CAM	Trailer Utility	72	02/00			Y	N/A	Operations Trailer
2001	International	Snowfighter 5600	37	09/04	4WD	Y	Y	N/A	Snowfighter
2002	Ford	F450	6	07/97	4WD	Y	Y	9	Maint. Shop Vehicle
2002	International	4300	26	12/90	2WD	Y	Y	N/A	Operations Vehicle Jet Machine
2002	Leroi	Compressor 185CFM	29	03/91	trailer		Y	N/A	Operations
2002	Stone	Trailer Cement Mixer	57	07/02			Y	N/A	Operations Vehicle Cement Mixer
2002	Lesco	Slide-in 704612	58	11/96			Y	N/A	Operations Trailer Water Wagon
2003	International	4300	18	10/02	2WD	Y	Y	13-15	Operations Vehicle Large Dump Truck
2004	International	Snowfighter 7300	36	09/08	2WD	Y	Y	N/A	Snowfighter
2005	International	Snowfighter 7300	33	09/04	2WD	Y	Y	N/A	Snowfighter

2006	Chevrolet	Silverado 1500	3	09/05	4WD	N	N	10	Operations Vehicle
2006	John Deere	544J	23	11/05	4WD	Y	Y	N/A	Operations Vehicle Front End loader
2015	Chevrolet	Silverado	5	07/16	4WD	Y	Y	11	Operations Vehicle 1 Ton Pickup
2007	Elgin	Pelican	31	03/07	Sweeper	Y	Y	N/A	Operations Vehicle Street Sweeper
2017	Ford	Fusion	1	07/16	4WD	N	N	23	Administrative Vehicle
2017	Ford	Explorer	2	07/16	4WD	N	N	19	Administrative Vehicle
2008	Chevrolet	Trailblazer	3	09/07	4WD	N	N	14-20	Administrative Vehicle
2008	Ford	F-550	9	12/08	4WD	Y	Y	9	Operations Vehicle Small Dump Truck
2014	Chevrolet	Silverado 3500HD	21	07/16	4WD	Y	Y	11	Operations Vehicle 1 Ton Pickup
2008	John Deere	544J	24	08/08	4WD	Y	Y	N/A	Operations Vehicle Front End loader
2008	International	Snowfighter 7300	35	11/07	2WD	Y	Y	N/A	Snowfighter
2009	STEPP MFG	Trailer SPH30	49	10/09			Y	N/A	Operations Hot Box
2009	International	7400	50	03/08	2WD	Y	Y	N/A	Operations Vehicle Vactor
2009	HI WAY	Slide-in Sander E2020	74	N/A			Y	N/A	Snow Slide In Sander
2009	BIG TEX	Trailer 70PL-14	75	07/09			Y	N/A	Operations Trailer
2010	International	7300	16	09/09	2WD	Y	Y	8-10	Operations Vehicle Large Dump Truck
2010	International	7300	17	12/09	2WD	Y	Y	8-10	Operations Vehicle Large Dump Truck
2010	Elgin	Pelican	30	09/10	Sweeper	Y	Y	N/A	Operations Vehicle Street Sweeper
2010	Emergency Response	Trailer	44	09/10			Y	N/A	Operations Vehicle Emergency Trailer
2010	HI WAY	Slide-in Sander E2020	73	N/A			Y	N/A	Snow Slide In Sander
2012	International	Dump	12	12/11	2WD	Y	Y	8-10	Operations Vehicle Large Dump Truck
2012	John Deere	544K	25	09/12	4WD	Y	Y	N/A	Operations Vehicle Front End loader
2012	Portable Generator	Trailer	45	09/12			Y	N/A	Operations Emergency Generator
2013	Chevrolet	Silverado 3500HD	4	11/12	4WD	Y	Y	14	Operations Vehicle 1 Ton Pickup
2013	Chevrolet	Silverado 3500HD	7	11/12	4WD	Y	Y	14	Operations Vehicle 1 Ton Pickup
2013	International	7300	11	12/12	2WD	Y	Y	8-10	Operations Vehicle Large Dump Truck
2014	Chevrolet	Silverado 3500HD	8	11/13	4WD	Y	Y	14	Operations Vehicle 1 Ton Pickup
2014	International	7300	14	11/13	2WD	Y	Y	8-10	Operations Vehicle Large Dump Truck
2014	Chevrolet	Express	52	01/14	2WD	Y	Y	18-20	Operations Vehicle Emergency Van
2008	International	7300	19	11/07	2WD	Y	Y	8-10	Operations Vehicle Large Dump Truck
	Graco	Painter 200HS	59B	N/A			Y	N/A	Operations Paint Machine

DPW - Water Division

Contact: Mike Santoro

YEAR	MAKE	MODEL	Number:	Purchase d (MM/YY)	Drive System (2WD/4WD/AWD)	>8,500 lbs. ? (Yes/No)	Exempt (Y/N)	MPG rating	Function
2010	Ford	ESCAPE	76	02/10	4WD	N	N	18-23	Administrative Vehicle
2016	Ford	F-550	83	07/16	4WD	Y	Y	8	Operations Vehicle Service Truck
2016	John Deere		86	07/16	4WD	Y	Y	N/A	Operations Vehicle Backhoe Machine
2002	Ingersoll - Rand	Trailer	89	02/02	2WD	Y	Y	N/A	Operations Vehicle
2003	International	4400	84	01/03	2WD	Y	Y	13-15	Operations Vehicle Large Dump Truck
2005	Ford	F150	81	12/04	4WD	N	N	12-15	Operations Vehicle 1 Ton Pick up

2005	Ford	F450	87	12/04	4WD	Y	Y	10	Operations Service Truck
2006	JCB	214	79	07/06	4WD	Y	Y	N/A	Operations Vehicle Backhoe Machine
2006	Ford	F550	88	02/06	4WD	Y	Y	8	Operations Vehicle Truck Mounted Comp
2007	International	7300	85	12/06	2WD	Y	Y	8-10	Operations Vehicle Large Dump Truck
2008	Ford	E350	80	04/08	2WD	Y	Y	11	Operations Vehicle Emergency Van
2009	Ford	F350	82	01/09	4WD	Y	Y	13	Operations Vehicle Service Truck
2010	Ford	F150	78	08/10	4WD	N	N	14-18	Operations Vehicle Pick up Truck
2014	Ford	ESCAPE	77	09/13	4WD	N	N	22-25	Administrative Vehicle
	SULLIAR	Compressor 185	87A	N/A	2WD	Y	Y	N/A	Operations Vehicle

DPW - Cemetery Division

Contact: Mike Santoro

YEAR	MAKE	MODEL	Number:	Purchase d (MM/YY)	Drive System (2WD/4W D/AWD)	>8,500 lbs. ? (Yes/No)	Exempt (Y/N)	MPG rating	Function
2008	FORD	F550	116	01/09	4WD	Y	Y	9	Operations Vehicle Small Dump Truck
2010	CHEV	Silverado 3500	117	07/10	4WD	Y	Y	17	Operations Vehicle 1 Ton Pick up
2006	FORD	F450 DUMP TRUCK	119	01/06	4WD	Y	Y	10	Operations Vehicle Small Dump Truck
2002	JCB	214	120	05/02	4WD	Y	Y	N/A	Operations Vehicle Backhoe Machine
1972	SNOWCO	TRAILER		N/A				N/A	Operations

DPW - Parks Division

Contact: Mike Santoro

YEAR	MAKE	MODEL	Number:	Purchase d (MM/YY)	Drive System (2WD/4W D/AWD)	>8,500 lbs. ? (Yes/No)	Exempt (Y/N)	MPG rating	Function
2002	ZAMBONI	552	101					N/A	
2015	John Deere		107	07/16	4WD	Y	Y	N/A	Operations Vehicle Small Machine
1994	CAM	Trailer 7MI2T	111	N/A		Y	Y	N/A	Operations
1995	GRACO	Painter LINE DRIVE	116	N/A		Y	Y	N/A	Operations Line Painting Machine
1998	Groundsmaster	Lawnmower 455D	105	11/98	Mower	Y	Y	N/A	Operations Vehicle Drive Lawnmower
2001	INTERNATIONAL	Trailer 575	112	03/06		Y	Y	N/A	Operations
2001	GRACO	Painter LAZER 3900	115	N/A		Y	Y	N/A	Operations Line Painting Machine
2013	Ford	F-150	102	07/16	4WD	N	N	17	Operations Vehicle
2002	JOHN DEERE	GATOR				Y	Y	N/A	Operations Vehicle
2003	JCB	212	108	05/03	4WD	Y	Y	N/A	Operations Vehicle Small Machine
2005	Chevrolet	Silverado 3500	103	05/05	4WD	Y	Y	8	Operations Vehicle 1 ton Pick Up
2005	Ford	F450	106	05/05	4WD	Y	Y	10	Operations Vehicle Small Dump Truck
2005	Toro	580D	109	09/05	Mower	Y	Y	N/A	Operations Vehicle Drive Lawnmower
2006	CAM	5CAM818D	113	09/05		Y	Y	N/A	Operations
2008	Chevrolet	Silverado 3500	110	09/07	4WD	Y	Y	11	Operations Vehicle 1 ton Pick Up
2013	Chevrolet	Silverado 1500	104	10/12	4WD	N	N	14	Operations Vehicle 1 ton Pick Up

DPW - Recreation Division

Contact: June Howell

YEAR	MAKE	MODEL	Number:	Purchase d (MM/YY)	Drive System (2WD/4W D/AWD)	>8,500 lbs. ? (Yes/No)	Exempt (Y/N)	MPG rating	Function
2016	Cheverolet	Van	125	07/16	2WD	Y	Y	12-16	SPORT Program Transportation Van

Municipal Light Department

Contact: Craig Spinale

YEAR	MAKE	MODEL	Number:	Purchase d (MM/YY)	Drive System (2WD/4W D/AWD)	>8,500 lbs. ? (Yes/No)	Exempt (Y/N)	MPG rating	Function
2007	International	4300 Digger Derrick	E1	07/07	2W	Y	Y	N/A	Line Department
2006	Chevrolet	Silverado 3500	E2	04/06	4W	Y	Y	16 - 18	Line Department
2005	International	4300 Bucket Truck	E3		2W	Y	Y	13-15	Line Department
2006	Ford	Escape	E4	08/05	4W	N	N	27	Meter Department
2003	Ford	Ranger Pick-Up	E5	03/03	4W	N	N	16 - 20	Line Department
2007	Ford	Explorer Sport Trac	E6	08/06	4W	N	N	13 - 19	Supervisor Vehicle
2010	Ford	Escape	E7	06/10	4W	N	N	18 - 23	Supervisor Vehicle
2011	Ford	Taurus	E8	08/11	2W	N	N	18 - 27	Supervisor Vehicle
1999	International	4900 Bucket Truck	E9	07/98	2W	Y	Y	8-10	Line Department
2013	International	4300 Bucket Truck	E10	11/11	2W	Y	Y	13-15	Line Department
1999	Chevrolet	GMT 3500 Dump Truc	E11	11/98	4W	Y	Y	12-15	Line Department
2007	Ford	F-550 Bucket Truck	E12	10/07	2W	Y	Y		Line Department
2006	Ford Escape	Escape	E15	12/05	4W	N	N	27	Meter Department
2007	International	4300 Bucket Truck	E16	08/07	2W	Y	Y	13-15	Line Department
1997	International	4900 Digger Derrick	E17	12/96	2W	Y	Y	N/A	Line Department
2006	Ford Escape	Escape	E18	07/05	4W	N	N	18 - 23	Line Department
2000	Atlas Copco	Portable Air Compress	E19	07/00	NA	N		N/A	This is a trailer. Has no drive tran
2010	Ford Escape	Escape	E20	04/11	4W	N	N	18 - 23	Supervisor Vehicle
2007	Mongoose Jet		E21	09/07	NA	N		NA	This is a trailer. Has no drive tran
2012	Ford Escape	Escape	E22	09/12	4W	N	N	18 - 23	Supervisor Vehicle

Police Department

Contact: John Steeves

YEAR	MAKE	MODEL	Number:	Purchase d (MM/YY)	Drive System (2WD/4W D/AWD)	>8,500 lbs. ? (Yes/No)	Exempt (Y/N)	MPG rating	Function
2012	FORD	EXPLORER	371	10/2011	N	N	N	23	Administration and Command Vehicle
2009	FORD	ESCAPE	372	11/2008	N	N	N	21	Administration and Command Vehicle
2008	FORD	CROWN VIC	373	2/2008	2WD	N	N	18	Unmarked
2013	FORD	FUSION	374	2/2013	FWD	N	N	29	Detective
2013	FORD	FUSION	375	2/2013	FWD	N	N	29	Detective

2004	FORD	CROWN VIC	376	1/2004	2WD	N	N	16	Prosecutor
2008	FORD	EXPEDITION	377	9/2007	4WD	N	N	14	Detective
2011	TOYOTA	SIENNA	378	11/2010	FWD	N	N	21	Tech Services
2011	FORD	CROWN VIC	379	12/2010	2WD	N	Y	19	K-9 Cruiser
2006	FORD	CROWN VIC	380	1/2006	2WD	N	N	17	Patrol Cruiser
2007	FORD	CROWN VIC	381	5/2007	2WD	N	N	17	Patrol Cruiser
2011	FORD	CROWN VIC	382	11/2010	2WD	N	N	19	Patrol Cruiser
2011	FORD	CROWN VIC	383	10/2011	2WD	N	N	19	Patrol Cruiser
2013	FORD	INTERCEPTOR UTILI	384	2/2013	AWD	N	N	18	Supervisor Cruiser
2010	FORD	CROWN VIC	385	12/2009	2WD	N	N	19	Patrol Cruiser
2013	FORD	INTERCEPTOR UTILI	386	2/2013	AWD	N	N	18	Patrol Cruiser
2011	FORD	CROWN VIC	387	12/2011	2WD	N	N	19	Patrol Cruiser
2008	FORD	CROWN VIC	388	2/2008	2WD	N	N	18	Patrol Cruiser
2010	FORD	CROWN VIC	389	1/2010	2WD	N	N	19	Patrol Cruiser
2008	FORD	EXPEDITION	390	10/2008	4WD	N	N	14	Traffic Enforcement / Patrol / Move Trailers
2007	FORD	E350	Wagon	5/2007	2WD	Y	Y	N/A	Prisoner Transport
2010	ADDCO	Trailer UTILITY		8/2010	NA	N/A	N/A	N/A	
2000	FORD	EXPLORER		Unknown	4WD	N	N	16	Unmarked
2014	HARLEY DAVIDSON	MOTORCYCLE		Lease	1WD	N	N	N/A	Traffic Enforcement / Motorcycle Patrol
2012	HARLEY DAVIDSON	MOTORCYCLE		Lease	1WD	N	N	N/A	Traffic Enforcement / Motorcycle Patrol
1998	SMTM	Trailer UTILITY		12/1998	NA	N/A	N/A	N/A	
2006	TRAFFIC	Trailer UTILITY		2/2006	NA	N/A	N/A	N/A	

Facilities - School Side

Contact: Fred Domenici

[illegible]

Table 6: *SAMPLE* Vehicle Inventory

[Click here to return to Table 6](#)

Model	Make	Model Year	Month/Year Purchased	Drive System: 2WD, 4 WD, or AWD	> 8500 pounds? (Y or N or NA)	Exempt or Non- Exempt? E or NE	COMBINED MPG Rating	Vehicle Function	Is this a new acquisition?	If new acquisition, what vehicle did it replace?	Removed from inventory?
Honda	Civic Hybrid	2013	July, 2013	2WD	N	NE	43	Inspector/Assess or shared car	YES	see vehicle on line 8 now deleted	
Ford	Crown Victoria	2011	April, 2011	2WD	NA	E	14	Police CRUISER			
Ford	Crown Victoria	1999		2WD	N	NE	13	Assesor			YES

Criterion 5 - Stretch Code Adoption

Date Stretch Code Concurrency Period Began:

7/1/2011

Date Stretch Code Became Sole Effective Code:

1/1/2012

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

YES

If filing for the first time, please fill out the table on the next worksheet (Crit 5 - Table 7) and add rows as as needed. Please list in Table 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 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.

**NOTE: Residential Retrofit (RR)
is for substantial retrofit;
it is not for repairs, renovations or
additions.**

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 (HERS Score)
75 ACORN PARK DR	NR	4/9/2015	NA	-
58 MARLBORO ST	NR	1/5/2016	7/23/2016	66
34 MERRILL AVE	NR	1/9/2015	6/4/2015	53
318 TRAPELO RD	NR	2/19/2015	2/26/2016	61
17 HAMILTON AVE	NR	1/9/2015	7/4/2015	56
10 SUMNER LANE	NR	5/1/2015	8/1/2016	50
115 FARNHAM ST	NR	8/20/2015	9/1/2016	61
151 DALTON RD	NR	8/13/2015	12/1/2015	56
54 EVERGREEN WAY	NR	7/24/2015	3/29/2016	64
16 TROY RD	NR	8/12/2015	7/28/2016	58
17 OAKMONT LANE	NR	3/28/2016	NA	-
7 OAKMONT LANE	NR	3/28/2016	NA	-
51 OAKMONT LANE	NR	3/28/2016	NA	-
9 AUDREY RD	NR	10/22/2015	10/26/2016	59
13 BIRCH ST	NR	11/12/2015	6/3/2016	48
15 WAVERLEY TER	NR	1/12/2016	8/30/2016	55
39 OAKMONT LANE	NR	3/28/2016	NA	-
11 WAVERLEY TER	NR	4/25/2016	8/30/2016	52
5 SUMNER LANE	NR	2/29/2016	NA	-
122 WAVERLEY ST	NR	4/11/2016	9/1/2016	56
54 WHITE ST	NR	3/16/2016	NA	-
24 UPLAND RD	NR	5/25/2016	NA	-
38 WELLINGTON LN	NR	8/5/2016	NA	-
7 SUMNER LANE	NR	4/25/2016	NA	-
26-28 DANTE AVE	NR	8/15/2016	NA	-
55 CONCORD AVE	NR	7/20/2016	NA	-
51 OAKMONT LANE	NR	8/17/2016	NA	-
9 WESTLUND RD	NR	10/27/2016	NA	-

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)?