

TOWN OF GILL

M A S S A C H U S E T T S



www.gillmass.org

SELECTBOARD MEETING MINUTES

December 6, 2017

Called to Order: The meeting was called to order at 5:45 PM.

Members Present: Randy Crochier, John Ward, Greg Snedeker Members Absent: none

Others Present: Ray Purington, Administrative Assistant; Vicky Jenkins, Claire Chang

2017 Green Community Report: The Selectboard reviewed the 2017 Green Community report prior to its submittal to DOER. This special meeting was held as the report must be filed by 5 PM on December 11th, and the next regularly scheduled Selectboard meeting is at 5:30 PM on the 11th. On time filing is necessary in order to be eligible to apply for a Green Community grant in 2018, and the Energy Commission has indicated they want to apply.

Ray discussed highlights from the report:

- As of 11/1/2017 the 2.77 MW solar installation at NMH was fully installed but not yet in commercial operation.
- For FY16, the Town was acknowledged by DOER as having reached a 20% reduction in energy consumption versus the FY10 baseline year.
- Duplicate electricity data for the Gill Elementary School was removed from the Mass Energy Insight energy tracking website. This had a slight impact on the baseline year, and meant there was only a 19.9% overall reduction in energy use for FY17.
- The Energy Commission, with assistance from the FRCOG, plans to apply for a 2018 competitive grant for variable refrigerant flow (VRF) air source heat pumps at Town Hall, and traditional air source heat pumps, LED lighting, and building insulation at the Slate Memorial Library.
- The reported vehicle inventory was updated to reflect the addition of the backhoe and 2017 police cruiser and the deletion of the 2005 police cruiser.
- Two new homes in Gill received certificates of occupancy since the 2016 report was filed. The HERS ratings were 45 and 51.

Vicky Jenkins, Chair of the Energy Commission, noted her appreciation for this special meeting being held in order to meeting the filing deadline.

Greg made a motion, seconded by John, to approve the 2017 Green Community Report and authorize Randy to sign the report on behalf of the Selectboard. The vote was unanimous in the affirmative.

The meeting adjourned at 6:15 PM.

Minutes respectfully submitted by Ray Purington, Administrative Assistant.

Signed copy on file. Approved on 12/11/2017

Greg Snedeker, Selectboard Clerk

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, reports must be submitted **no later than 5:00 PM December 11, 2017 for the reporting period July 1, 2016 – June 30, 2017**

Late reports WILL deem a community ineligible for Spring 2018 Competitive Grant.

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 to Jane Pfister at jane.pfister@state.ma.us 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:	July . 2012
Date of Annual Report Submission	12/7/2017
Name of Preparer of Annual Report	Ray Purington
Title	Administrative Assistant
Municipality Name	GILL

I confirm that I have reviewed this report and verify all information is true.

Signature of Chief Executive Officer

Randy Crochier
(signed copy on file)

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.

Criteria 1 and 2

Type of as-of-right siting approval received:

Generation; Solar

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.

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.

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?**

YES

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
NMH / Borrego Solar	Renewable Energy (solar) 2.77 MW (DC)	Not "by right" due to location and MW size	Borrego Solar on behalf of Northfield Mount Hermon School	2.77 MW (DC) ground-mounted solar installation on 11.37 acres	Site Plan Review (Gill Zoning Board of Appeals)	Granted	2/11/2016	4/12/2016	Installation complete, but Eversource has not approved commercial operation as of 11/1/2017.
					Site Plan Review (Gill Zoning Board of Appeals)	Approved	2/11/2016	4/12/2016	
					Wetlands (Gill Conservation Commission)	Approved	2/10/2016	4/12/2016	
To insert additional rows, select this row, right-click, and select "Insert."									

Criterion 3 Instructions: Complete Steps 1-7 Below

1. Read and complete all questions below.

2. Complete Table 2: Progress

Please complete Table 2, located 3 tabs to the right. 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. [Go to Table 2](#)

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 Table 2, located 3 tabs to the right. 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 (NON-MEI Users)

[Go to Table 3](#)

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 2, 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:
11/29/17

WEATHER NORMALIZED DATA - DOER is encouraging Green Communities 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 17. In MassEnergyInsight, this information is available in the "Annual Report Table 2" report.

To include a percentage of the energy use of a **Regional School District**, please include that prorated usage as a separate entry in line 15 of Table 2: Enter here the % you are using to prorate the energy usage (i.e. the percentage of the RSD funding that the municipality contributes)

% of RSD
N/A

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

[Go to Table 4](#)

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:
N/A

5. Complete Table 5: Renewable Energy Projects

[Go to Table 5](#)

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.

NO

6. Provide a Narrative

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.

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

NARRATIVE: Based on its energy data from FY16, the Town was acknowledged by DOER as having reached its 20% energy reduction goal. However, during a recent review of Mass Energy Insight (MEI) data for the Gill Elementary School, it was determined that the baseline year (FY10) contained duplicate entries for electricity. The same amounts were reported by Eversource/WMECO and by the competitive supplier, Constellation New Energy. The duplicate entries have been removed, which will revise the baseline and subsequent years' reductions. Using the revised data from MEI, the Town's overall consumption of heating oil, diesel, gasoline, and electricity for FY17 has still decreased by 19.9% compared to our Green Communities baseline year.

In 2016 the Town was awarded a \$12,500 grant for Municipal Energy Technical Assistance (META) and will use it toward a feasibility study and design & bid specifications for air source heat pump systems at the Town Hall and Slate Memorial Library. In addition, through a META grant to the Franklin Regional Council of Governments, the Town is receiving technical assistance on a 2018 application for a Green Communities competitive grant for variable refrigerant flow (VRF) air source heat pumps at the Town Hall, and traditional air source heat pumps, LED lighting upgrades and building insulation work at the Library.

The Town's 2015 switch to town-owned LED streetlights continues to be a shining star in the projects funded by the Green Communities Designation Grant. The LEDs use 75% less energy than the high pressure sodium fixtures, and the Town's energy costs for street lighting are down by 85%. The Town's Administrative Assistant has shared the Town's LED streetlight experiences with several other towns during the past year.

At the Riverside Building in the summer of 2017, the Town used its own funds to continue a window restoration project started in 2016 with Designation Grant funds. Two more of the eight classroom windows have been restored, so the project is halfway done. The new mini-splits in this building continue to provide greater comfort at reduced energy consumption, but are less intuitive to operate than the "turn it on & set the thermostat" steam boiler.

In the Town's Slate Memorial Library, a basement wetness remediation project was undertaken in December 2016. Perimeter drains and a dehumidifier/air purifier were installed. The building's electricity consumption increased due to the new sump pump and dehumidifier; however, the air quality is drastically improved!

For FY17, vehicle energy use was nearly unchanged from the FY10 baseline year. Winter weather plays a large factor in this - snow must be plowed and icy roads must be sanded. A 2005 police cruiser was replaced in FY17, and the new cruiser gets more miles per gallon than the old one. The Town is seriously exploring the replacement of two of its older pieces of fire apparatus with used-but-newer equivalents. If the plan comes to fruition, the newer models should have better fuel economy than their predecessors. An increase in the number of fire/medical calls is also contributing to an increase in fuel consumption. The number of medical calls may be the beginning of a trend related to the "Aging of America."

The Town continues to seek ways to raise energy awareness on a town-wide basis. The Energy Commission periodically posts energy conservation information on the Town's website and in the Town newsletter.

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. The adjustments to energy usage should be entered on Table 2, Line 14 (you may use the Building Stock Changes Calculator herein).

NARRATIVE: September 2015 (FY16) - Town Hall, first floor - converted 16'x24' of open floor space into (2) enclosed offices, replacing (2) similarly sized cubicle-wall workspaces that were in the same room. There was no change in number of light fixtures or amount of baseboard heating.

Criterion 3 Step 4: Complete Table 4 - ECMs

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

Table 4 Energy Conservation Measures Data																	
ECMs			Status		Energy Data						Financial Data				Reference Data		
Building/Site Name	Energy Conservation Measure Name	ECM Type (select one from drop-down)	Status (select one from drop-down)	Status Date (Month-year completed or planned)	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
Elementary School	Energy Mgt System	Building Control	Complete	6/2012			1,139				\$2,629	\$92,427	\$0		\$92,427	EECBG, energy savings	Siemens Year 1 Performance Assurance Report, page 1
Elementary School	Boiler & DHW Replacement	HVAC	Complete	6/2012			1,977				\$4,562	\$107,264	\$0		\$107,264	EECBG, energy savings	Siemens Year 1 Performance Assurance Report, page 1
Public Safety Complex	Boiler Replacement & Steam Conversion	HVAC	Complete	3/2013			1,260				\$4,000	\$56,000	\$0	\$0	\$56,000	Town Funds	Gill Capital Project Request Form; Informal Memo from F.W. Webb
Elementary School	Lighting Upgrade	Interior Lighting	Complete	6/2012	24,605		-221				\$3,796	\$56,702	\$0	\$6,585	\$50,117	EECBG, energy savings	Siemens Year 1 Performance Assurance Report, page 1
Elementary School	Building Envelope	Weatherization	Complete	6/2012			274				\$633	\$5,958	\$0		\$5,958	EECBG, energy savings	Siemens Year 1 Performance Assurance Report, page 1
Riverside Municipal Building (Utility Incentives are TBD)	Insulate & Air Seal Attic	Weatherization	Abandoned	Q2 2014											\$0		Bales Energy Associates "Energy Study for Riverside / Four Winds School" page 6, ECM 2
Riverside Municipal Building (Utility Incentives are TBD)	Insulate First Floor Walls	Weatherization	Abandoned	Q2 2014											\$0		Bales Energy Associates "Energy Study for Riverside / Four Winds School" page 6, ECM 3
Riverside Municipal Building (Utility Incentives are TBD)	Boiler Replacement	HVAC	Abandoned	Q3 2014											\$0		Bales Energy Associates "Energy Study for Riverside / Four Winds School" page 6, ECM 1
Town Hall (Utility incentives are TBD)	Boiler Replacement & Mini DHW Tank	HVAC	Abandoned	Q3 2014											\$0		Bales Energy Associates "Energy Study for Gill Town Hall" page 6, ECM 1A
Slate Memorial Library (Utility Incentives are TBD)	Furnace Replacement & Mini DHW Tank	HVAC	Abandoned	Q3 2014											\$0		Bales Energy Associates "Energy Study for Slate Library" page 7, ECM 1
Town Hall (Utility incentives are TBD)	Insulate & Air Seal Attic	Weatherization	Abandoned	Q3 2014											\$0		Bales Energy Associates "Energy Study for Gill Town Hall" page 5, ECM 2B
Slate Memorial Library (Utility Incentives are TBD)	Insulate Walls, Top Attic & Sloping Roof	Weatherization	Abandoned	Q3 2014											\$0		Bales Energy Associates "Energy Study for Slate Library" page 7, ECM 2C
Vehicles	Idleright device for 1 police cruiser	Vehicles	Complete	3/2013						117	\$400	\$555	\$555	\$0	\$0		Havis Idleright ROI Calculator
Sewer Pump Station	Pump Replacement	Pump, motor, drive	Complete	4/2012	750						\$122	\$60,000	\$0	\$0	\$60,000	CDBG Repayment Fund; Sewer Funds	Comparison of FY12 and FY13 Actual Consumption
Town Hall, Gill Elem School, Slate Library, Public Safety Complex, Riverside Municipal Building	Bike Racks	Vehicles	Complete	8/31/2013								\$2,203	\$2,203	\$0	\$0		Gill Bike Rack Installation, Gill Bike Rack Quote
Town Hall	Energy Savings Campaign / Workshops	Behav & Training	Complete	12/14/2015								\$6,190	\$6,190	\$0	\$0		Gill Energy Saving: 2015 Gill Workshop schedule and descriptions.docx; 2015-0212 Energy Savings Education Campaign budget for GC request.xlsx
Town Hall, Riverside Municipal Building, Slate Library	Supplemental Energy Audit (to ASHRAI Level II regs.) to investigate applicability and energy savings of heat pump systems.	Other	Complete	5/1/2014								\$6,210	\$6,210	\$0	\$0		Gill Heat Pump Audit; "04-08-14 Amended BEA Gill Heat Pump Projects Proposal.pdf"
Town Hall	Attic Insulation & Weatherization	Weatherization	Complete	12/1/2014			138				\$441	\$13,623	\$13,623	\$0	\$0		04-22-14-BA-Final-Gill-Town-Hall-w-added-Heat-Pumps-4G-2RP.pdf
Riverside Municipal Building	Attic and Wall Insulation and Weatherization	Weatherization	Complete	1/1/2015			1,112				\$3,552	\$18,969	\$18,969	\$0	\$0		04-22-14-BA-Final-Gill-Riverside-Report-w-Heat-Pump-Added-2G-4RP.pdf
Town Hall	Geothermal Feasibility Study	Other	Complete	11/15/2014								\$1,420	\$1,420	\$0	\$0		2014-0908 Geothermal Consulting agreement - Gill Feasibility Study.docx
Streetslights	LED Sreetlight Conversion - purchase streetlight inventory from WMECO/EVERSOUR CE, purchase and install LED fixtures	Exterior Lighting	Complete	12/31/2015	12,873						\$5,151	\$30,057	\$22,757	\$7,300	\$0		2015-0113 LED Streetlight Project for DOER.xlsx (3 tabs)
Riverside Municipal Building	Heating System - Replace current system with distributed air-to-air split system heat pumps	HVAC	Complete	12/31/2015	-21,550		3,257				\$7,537	\$57,800	\$55,843	\$1,957	\$0		"03 Gates - Riverside Building Project Plan.pdf" & "04-04-22-14-Final-BA-Gill-Riverside-Report-w-Heat-Pump-Added-2G-4RP.pdf"
Town Hall	Electric Water Heater for non-heating season use	Hot Water	Complete	4/30/2016	-470		62					\$1,190	\$1,190				"04-22-14-BA-Final-Gill-Town-Hall-w-added-Heat-Pumps-4G-2RP.pdf"
Riverside Municipal Building	Window restoration & storm windows	Weatherization	Complete	11/30/2016								\$6,380	\$6,380				1-2016-0404 Selectboard mtg.pdf 2-2016-0129 D.Hayward restoration proposal.docx
Town Hall (contingent on 2018 Green Communities grant)	VRF air source heat pumps	HVAC	Planned	Sep-18													
Slate Memorial Library (contingent on 2018 Green Communities grant)	Air source heat pumps, building insulation, lighting upgrades to LED	Comprehensive	Planned	Sep-18													
To insert additional rows, select this row, right-click, and select "Insert."																	
TOTAL Projected Savings					16,208	0	8,998	0	117	0	32,823	522,947	135,339	15,842	371,766		
TOTAL MMBtu SAVINGS					1,321	55,3027196	0	1250,7637	0	14,508	0						

Criterion 4 - Purchase Fuel Efficient Vehicles

1) Did you update your vehicle inventory ?

YES

2) Did you install electric vehicle charging stations?

NO

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

YES

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: On question 1, it is noted that our *vehicle policies* did not change, but we have updated our *vehicle inventory*. A new police cruiser was delivered in January 2017 and is equipped with anti-idling technology.

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.

Gill DID request alternative compliance.

From the FEV Policy:

1. Develop inventory of all registered vehicles
2. Annual miles driven (or hours used) will be determined beginning fiscal year 2013 (beginning July 1, 2012).
3. Gill has adopted an anti-idling policy.
4. Bicycle racks will be placed at Town Hall, the Library, Public Safety complex, Riverside Municipal Building
5. Plan and develop bike lanes on major town roads (Main Road and West Gill Road).
6. Promote carpooling among town employees and residents (using commute.com and other local networks)
7. Educate town residents about the environmental and economic benefits of reduced vehicle idling.

2013 Annual Report commented on most of the above. However, Item 2 was not addressed.

AND, as we informed you during 2013 Annual Report review:

"It appears that you have violated the FEV Policy (hand me down Blazer). This will be taken into consideration during your next Competitive Grant Application. Also, please indicate what has been done to insure this will not happen again. A second offense may make you ineligible for future grant opportunities."

from 2015 report: Blazer was removed from service. When it was repurposed, we were unaware of being in violation.

Programs

and workshops that have been implemented have been successful. Workshops are often filled to capacity, and bike racks are being used periodically.

from 2016 report: Our programs and policies regarding vehicle use have been successful and have not changed from last year. The Town vehicle inventory did not change in 2016. The Town did replace a single axle dump truck of equal size. The Town voted to purchase a backhoe, and it will be tracked in the vehicle inventory for 2017.

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

NARRATIVE: Our programs and policies regarding vehicle use have been successful and have not changed from last year. The Town vehicle inventory changed in Fiscal Year 2017 - we purchased a used backhoe for the Highway Department and purchased a new cruiser for the Police Department. Both of these vehicles are considered "exempt," and have been added to the vehicle inventory spreadsheet. A 2005 Ford Crown Victoria police cruiser was taken out of service and removed from our vehicle inventory.

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.

Model	Make	Model Year	Month/Year Purchased	Drive System: 2WD, 4WD, 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?
Ford (Engine 3)	Louisville F909	1979	December, 1	2WD	Y	E	unknown	Fire engine tanker			
Ford (S-1 Rescue Van)	Cutaway van	1986	July, 1999	4WD	Y	E	unknown	Rescue van			
Chevy (B-1 Brush Truck)	5/4 ton truck	1986	October, 201	4WD	Y	E	unknown	Brush fire truck			
KME (Engine 1)	Fire truck	1987	May, 1987	2WD	Y	E	unknown	Pumper-tanker			
KME (Engine 2)	Renegade	1996	August, 1995	2WD	Y	E	unknown	Pumper-tanker			
Rescue One		2006	2006	NA	NA	E	unknown	Rescue boat		Still a active asset, but remove from list as it is an exempt, off-road vehicle. (Per Crit 4, instruction 9)	
Global Electric Motorcars	E825	2000	donated in-2003, on the road in 2008	3.5 hp GE DC motor, Dana Spicer differential	1540	NE	all electric	Local town events & town business		Donated to Riverside Water District in July 2014. Too little use by Town to justify maintenance costs	YES
Morbark	Eager Beaver	1985	July, 1985	NA	NA	E	NA	Wood chipper		Still an active asset, but remove from list as it is not a vehicle, and its hour-meter is broken & will not be repaired.	
Kubota	Farm tractor	1986	October, 198	4WD	2570	E	no odometer	Roadside mower			
Ford	Dump truck	1990	August, 1990	2WD	Y	E	unknown	Hauling, plowing, sanding		traded in as part of purchase of vehicle in row 26	YES
Chevy	Blazer	1999	March, 2002	4WD	2700	NE	43	Highway Dept errands & backup-4WD police		removed from service March 2013, junked December 2013	YES
Sterling	LT9500	2000	August, 1999	2 drive axle	Y	E	unknown	Hauling, plowing			
Ford	F550 dump truck	2005	October, 200	4WD	Y	E	unknown	Dump truck, haul, tow, plow, sand			
New Holland	Mower tractor	2007	March, 2007	4WD	Y	E	unknown	Roadside mower			
International	7400 dump truck	2009	February, 20	2WD	Y	E	unknown	Hauling, plowing, sanding			
Komatsu	WA250-6	2010	March, 2010	4WD	Y	E	unknown	Front-end loader			
Ford	Explorer	2004	January, 200	4WD	4500	NE	15-16	Highway Dept errands & backup-4WD police		removed from service & declared surplus Oct 2014 due to cost of repairs needed to pass inspection	YES
Ford	Crown Victoria	2005	January, 200	2WD	3400	E	18	Police cruiser			YES
Ford	Crown Victoria	2008	July, 2007	2WD	3400	E	18-25	Police cruiser			
Ford	Interceptor Utility	2013	March, 2013	AWD	4700	E	16-21	Police cruiser			
Sterling	L7500	2009	July, 2015	2WD	Y	E	unknown	Hauling, plowing, sanding		Ford Dump truck 1990, line 15	
John Deere	310SJ-TC Backhoe	2011	October, 201	4WD	Y	E	unknown	Backhoe & loader		None	
Ford	Explorer	2017	January, 2017	AWD	N	E	20	Police cruiser	YES	Ford Crown Vic 2005, line 19	

Vehicle Mileage

Model	Make	Model Year	Date	Miles / Hours	Date	Miles / Hours	Date	Miles / Hours	Date	Miles / Hours	Date	Miles / Hours	Date	Miles / Hours
Ford - Engine 3	Louisville F909	1979	7/1/2012	14,556	7/1/2013	14,948	7/1/2014	15,163	7/1/2015	15,489	7/1/2016	15,669	7/1/2017	15,993
Ford - S-1 Rescue	Cutaway van	1986	7/1/2012	19,795	7/1/2013	20,898	7/1/2014	21,879	7/1/2015	23,077	7/1/2016	23,996	7/1/2017	24,992
Chevy - Brush 1	5/4 ton truck	1986	7/1/2012	16,405	7/1/2013	16,862	7/1/2014	17,308	7/1/2015	17,714	7/1/2016	18,234	7/1/2017	19,539
KME - Engine 1	Fire truck	1987	7/1/2012	25,453	7/1/2013	25,904	7/1/2014	26,779	7/1/2015	27,301	7/1/2016	27,981	7/1/2017	29,193
KME - Engine 2	Renegade	1996	7/1/2012	15,061	7/1/2013	16,130	7/1/2014	17,199	7/1/2015	18,275	7/1/2016	19,046	7/1/2017	20,572
Rescue One	(rescue boat)	2006	No data											
Global Electric Motorcars	E825	2000	Gave away											
Morbark	Eager Beaver	1985	Hour meter is broken											
Kubota (hours)	Farm tractor	1986	7/1/2012	4,615	7/1/2013	4,783	7/1/2014	4,948	7/1/2015	5,120	7/1/2016	5,215	7/1/2017	5,341
Ford	Dump truck	1990	Traded in											
Chevy	Blazer	1999	Scrapped											
Sterling 10-wheel	LT9500	2000	7/1/2012	55,275	7/1/2013	61,357	7/1/2014	67,102	7/1/2015	73,161	7/1/2016	77,892	7/1/2017	83,129
Ford 1-ton	F550 dump truck	2005	7/1/2012	51,859	7/1/2013	59,094	7/1/2014	66,231	7/1/2015	73,190	7/1/2016	80,156	7/1/2017	87,373
New Holland (hours)	Mower tractor	2007	7/1/2012	2,389	7/1/2013	2,609	7/1/2014	2,920	7/1/2015	3,228	7/1/2016	3,370	7/1/2017	3,651
International	7400 dump truck	2009	7/1/2012	11,955	7/1/2013	15,583	7/1/2014	18,361	7/1/2015	23,211	7/1/2016	27,060	7/1/2017	31,333
Komatsu loader (hours)	WA250-6	2010	7/1/2012	1,384	7/1/2013	1,993	7/1/2014	2,560	7/1/2015	3,092	7/1/2016	3,754	7/1/2017	4,269
Ford (no longer registered)	Explorer	2004	7/1/2012	95,767	7/1/2013	107,192	7/1/2014	112,504	N/A	N/A	N/A	N/A	N/A	N/A
Ford (no longer registered)	Crown Victoria	2005	7/1/2012	83,186	7/1/2013	94,800	7/1/2014	103,560	7/1/2015	111,077	7/1/2016	118,646	N/A	N/A
Ford	Crown Victoria	2008	7/1/2012	65,140	7/1/2013	76,143	7/1/2014	85,341	7/1/2015	95,598	7/1/2016	113,340	7/1/2017	125,000
Ford	Interceptor Utility	2013	N/A	N/A	7/1/2013	3,190	7/1/2014	15,095	7/1/2015	27,300	7/1/2016	39,504	7/1/2017	52,265
Sterling	L7500	2009	N/A	N/A	N/A	N/A	N/A	N/A	7/1/2015	34,079	7/1/2016	35,773	7/1/2017	38,577
John Deere	310SJ-TC Backho	2011	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	10/26/2016	1,598	7/1/2017	1,881
Ford	Explorer	2017	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	7/1/2017	2,596

Criterion 5 - Stretch Code Adoption

Date Stretch Code Concurrency Period Began:

7/1/2010

Date Stretch Code Became Sole Effective Code:

1/1/2011

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

YES

Please list 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 Commercial and > 100K sq ft, note percent energy savings relative to ASHRAE 90.1-2007.

Address of Building	New Residential (NR), or Commercial (C)	Date Building Permit Issued : Month - Year	Dated Certificate of Occupancy Issued (if not issued, please note NA)	Notes on Cert of Occupancy (see above)
42 Hoe Shop Road	NR	8/29/2011	3/2/2012	*Building Inspector neglected to obtain HERS rating before issuing CO.
To address the Violation noted in the 2013 AR, the Building Inspector stated in an email from 3/11/2014 "To prevent the accidental issuance of a certificate of occupancy for a project that requires a HERS rating and has not supplied our department with that HERS rating, we will include a section on our certificate of occupancy that requires us to enter the HERS rating for that project. We will either enter the HERS rating or enter NA for non-stretch energy towns." A copy of the email is attached.				
5 Gilder Way	NR	9/3/2013	6/4/2014	HERS Index = 45
7 Gilder Way	NR	11/1/2013	6/4/2014	HERS Index = 45
6 Gilder Way	NR	11/15/2013	6/4/2014	HERS Index = 45
8 Gilder Way	NR	12/6/2013	6/4/2014	HERS Index = 44
10 Gilder Way	NR	12/6/2013	6/4/2014	HERS Index = 44
12 Gilder Way	NR	2/10/2014	6/4/2014	HERS Index = 42
4A Mountain Road Estates	NR	5/13/2015	9/11/2015	HERS Index = 54
7 Cross Road	NR	10/5/2015	7/8/2016	HERS Index = 45
25 Oak Street	NR	12/22/2014	12/2/2015	HERS Index = 53
99 Center Road	NR	10/16/2014	3/24/2016	HERS Index = 67
329 West Gill Road	NR	7/1/2015	NA	HERS Index = 50
368 Main Road	NR	10/29/2014	4/19/2016	HERS Index = 41
329 West Gill Road	NR	7/1/2015	12/21/2016	HERS Index = 51
43 Ben Hale Road	NR	5/26/2017	10/3/2017	HERS Index = 45