

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 November 30, 2012 for the reporting period July 1, 2011 – June 30, 2012**. Late reports will deem a community ineligible.
- 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.***
- 7) NOTE: In the case of any violations of the Criterion, 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 of awarding of funds under the next available Green Communities funding opportunity. A second violation will prohibit the municipality from being eligible for any funds in the next available Green Communities funding opportunity.

DATE DESIGNATED	May-10
-----------------	--------

PLEASE NOTE: For a municipality designated December 2010, the reporting period is 18 months, Jan 1 2011 - June 30 2012

Date of Annual Report Submission	<u>November 29, 2012</u>
Name of Preparer of Annual Report	<u>Alexandra Corwin</u>
Title	<u>Energy Efficiency & Sustainability Analyst</u>
Municipality Name	<u>City of Cambridge</u>

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 town 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:	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 would impact the ability to construct a qualifying clean energy use in the district such as the geographic extent of the district, allowed uses, and dimensional requirements. 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.

Please Reply NO or YES. (Delete the appropriate word in the box to 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 Reply NO or YES. (Delete the appropriate word in the box to the right) If YES, attach letter from municipal counsel

NO

3) Does sufficient space remain for “As-of-right” development of a qualifying renewable energy facility or at least 50,000 square feet of research and development or manufacturing space in the district(s) for which the community received Green Community designation?

If not, explain what has happened since the community applied for and received Green Community designation and any plans the community may have to make such development feasible again. Please note, if 50,000 square feet of space does not remain, this will not jeopardize your designation, but we do want to know about it.

Please Reply NO or YES. (Delete the appropriate word in the box to the right) If YES, attach letter from municipal counsel

YES

PERMITTING:

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

NO

Please reply NO or YES. If YES, fill out Table 1 below:

Criterion 3 - Energy Reduction Plan**BASELINE YEAR: FY2008**

Some of the information requested has been simplified since the previous Annual Report. Please read through all of the instructions carefully before proceeding.

1. Provide the energy use for each year, including the baseline year, by fuel and by category (building, open space, vehicles, streetlights, water/sewer). Both MMBtu and native units (kWh, therms, gallons, etc.) should be included. Fuel use from all vehicles, including those characterized as exempt AND non-exempt under Criterion 4, must be included. PLEASE NOTE SPECIFIC INSTRUCTIONS FOR MassEnergyInsight USERS vs. NON-MassEnergyInsight USERS.

Renewable Energy is a fuel source and the amount of renewable energy generated by the Green Community should be included here. Please report the amount of renewable energy consumed by each building. For example, a solar PV system that supplies electricity only to the high school it is mounted on should be included under Renewable Energy - Electric for the high school. This includes renewable generation owned by a third party under a Power Purchase Agreement (PPA). For larger systems serving more than one building, please contact Aimee Powelka, (617) 626-7356. For thermal Renewable Energy systems that do not have a flow meter to measure the actual amount of thermal energy generated, please report the projected thermal energy generation from the design study. See examples in italics below. Biomass and biofuels should be reported separately from other Renewable Energy types by reporting fuel consumption.

For MassEnergyInsight users, ALL of this information is present in MassEnergyInsight. Please verify that the information is correct; for example, vehicle fuel use will need to be uploaded to be included. Similarly, oil, propane and renewable energy usage must be uploaded. Once you have verified that the information is correct, DOER will be able to directly retrieve the energy information from MassEnergyInsight.

To use MassEnergyInsight to fulfill your Green Communities Annual Report energy use reporting requirement, provide the date the information in MassEnergyInsight was last verified. By including a date below, you are confirming that the information in MassEnergyInsight is accurate and complete and that you wish to report your Green Community annual energy usage directly through MassEnergyInsight.

DATE: August 20, 2012

For Green Communities not using MassEnergyInsight, please see excel Worksheets "Crit 3 - Tbl 3 Non-MEI User Only", and "Crit 3 - Tbl 3: Sample" for sample tables and instructions.

2. Provide the % reduction from baseline year to the current year by completing Table 2 in the excel document. Include a brief narrative below Table 2 that explains the energy use reduction seen.

3. Update your Energy Conservation Measures Table in the excel worksheet "Crit 3 - Table 4 ECMs". This should be an update of your energy reduction plan with the current status of projects and their projected energy and cost savings, total cost and funding sources. **See Instructions for Table 4 and a Sample Table 4 in worksheets "Crit 3 - Tbl 4 Instructions" and "Crit 3 - Tbl 4 Sample Data."**

For Green Communities with an Energy Management Services Agreement:

For measures done through the performance contract, your annual reporting under 25A for Energy Management Services Agreements is sufficient to fulfill the reporting requirement for the Energy Conservation Measures Table. 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.

To use your Energy Management Services Agreement annual report to fulfill your Green Communities Annual Report Table 4 requirement, please provide the date your annual report was filed with DOER, or the date it will be filed if filing is anticipated in the next six months.

DATE: _____

4. Optional (For b – e, please note any responses below):

a. Renewable energy – an opportunity to share a list of your municipal renewable energy projects. As a reminder, these projects cannot be included towards the 20% reduction, but DOER is interested in knowing about the municipality's renewable projects, including their total capacity and annual generation. Please record these projects using the Renewable Energy Projects and Activities Table using the excel worksheet "Crit 3 - Table 5 RE."

b. Lessons learned – any lessons learned that may be of interest to other communities or in future energy efficiency efforts. **RESPONSE:**

Lighting upgrades and controls:

* *Be aware of placement of occupancy sensors to avoid detection of passersby in adjacent rooms and hallways, thereby turning the lights on unnecessarily.*

* *While investigating dual technology controls for lighting efficiency upgrades, the City became concerned about occupancy sensors utilizing “ultrasonic” signals (very high frequency acoustic signals above the range of human hearing) which can interfere with hearing devices such as cochlear implants and other hearing aids. “Microphonic” controls do not pose any threat to medical devices.*

* *With each lighting project, the City makes an effort to keep installed lighting controls consistent throughout the building, both to simplify inventory and maintenance and to ease occupant expectations. Currently, the City works solely with occupancy sensors due to their wide variety of mounting options. Vacancy controls offer the greater electrical savings but are not currently available as hardwired ceiling mounted controls. The City will continue to monitor the market, and, as more mounting options become available, will switch over to using vacancy sensors for future lighting efficiency upgrades.*

Renewable energy installations:

* *Establish standard specifications for Data Acquisition Systems (DAS) and remote monitoring for all municipal renewable energy installations. The City currently has five PV systems which use three different energy production tracking mechanisms. It would be more useful and convenient to be able to access all five systems from one remote online dashboard.*

c. Personnel – an opportunity to thank the personnel that contributed to reducing your municipality's energy use. **RESPONSE:**

d. Long-term energy reduction goals beyond 5 years – now that you have achieved, or are near to achieving, a 20% reduction in energy use, do you intend to continue pursuing further efficiency? How? **RESPONSE:**

The City has been a long-time champion of reducing energy consumption and costs, and will continue to pursue energy efficiency throughout its municipal operations. In addition to a long list of lighting efficiency retrofits and HVAC upgrades awaiting implementation, the City is currently pursuing major projects that will continue to assist in driving down our energy use, including:

* *Converting City-owned streetlights to LED over the next three years*

* *Developing a Five-year Systems Renewal Plan for over thirty municipally owned and operated facilities to inventory current HVAC systems and equipment, document existing status of equipment integrity and energy efficiency, and identify highest priority projects*

* *Considering net-zero energy design for the renovation of the Martin Luther King, Jr. School*

* *Assessing top 15 potential sites for photovoltaic installations identified in recent City-Wide Municipal Solar Feasibility Study*

e. Cost Savings – has your municipality saved money as a result of its Energy Reduction Plan? If yes, how much and how has your municipality's used the financial savings from reduced energy costs? Has this information been shared within your community to build support for additional future efficiency projects? **RESPONSE:**

The City is confident that the energy efficiency projects and programs it has enacted has assisted in averting energy costs overall. However, it is difficult to identify precise cost savings as a result of specific efficiency projects because of the variability of fuel costs over time, the expanded use and operations of some facilities, and the impact of weather on vehicle use, athletic fields, and buildings. The City has installed \$2.6M in energy upgrades since FY09. The total estimated annual avoided costs for the entire list of efficiency measures enacted since FY09 is approximately \$706,000. Any utility rebate monies awarded for efficiency projects are appropriated to fund future efficiency projects; to date the City has appropriated close to \$350,000 for this purpose. The City is also in the process of preparing its first Annual Municipal Buildings Energy Performance Report which will be made available to the public on the City's website.

**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 (%)
Year	2008	2009	2010	2011	2012	2013	
Buildings	192,115	184,720	156,452	172,384	137,306		71%
Water/Sewer & Pumping	41,591	38,546	37,604	40,331	36,545		88%
Open Space (optional)	6,821	6,499	6,505	6,778	7,094		104%
Vehicles	41,725	41,664	38,736	38,916	37,407		90%
Street and Traffic Lights	22,204	21,792	21,425	21,272	21,301		96%
TOTAL ENERGY CONSUMPTION	304,456	293,222	260,722	279,681	239,651		79%

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.

Provide a brief narrative below explaining changes seen. Please note if baseline numbers have changed due to any adjustments made in MEI, and if so, what those adjustments were.

Sample Narrative: Our buildings have a 12% decrease in energy use and the vehicles have a 4% 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: *Over the past four years, the City has seen a 21% decrease in total energy use, despite the expanded use of some facilities and athletic fields. Mild winter weather, particularly over the 2011-2012 Winter, has also been a factor; when normalized for weather, our total municipal energy use is down 16%. City buildings have seen a 29% decrease in energy use largely due to ongoing efficiency projects and employee behavior programs. Water/Sewer & Pumping energy use decreased 12% in large part due to the start of implementation of recommendations from an intensive energy audit of the Water Treatment Facility in 2011. As the City continues to implement the audit recommendations through FY13, we expect an additional 10-12% savings. The 4% energy use increase in the Open Space category was mainly driven by expanded use and activities at parks and athletic fields due to the mild weather in Winter 2011-2012. Street and Traffic Lights show a 4% decrease due to the conversion of Traffic Signals to LED in 2009. The City has committed to converting all City-owned streetlights to LED over the next three years, recently appropriating \$2M for the first conversion phase. This conversion is expected to decrease energy use in the Street and Traffic Lights category by another 18% over the course of the project.*

Table 4
Energy Conservation Measures Data

Measure		Status	Energy Data						Financial Data					Reference Data	
Category/Building	Energy Conservation Measure	Status (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
Area IV Youth Center	Lighting Retrofit	Completed 2/2011	17,791	0	0	0	0	0	\$2,669	\$8,330	\$0	\$3,672	\$4,658	EECBG and City Capital Funds	Prism Energy Services "As Built" Report 4/2011
Area IV Youth Center	Variable Frequency Drives and Direct Digital Control System	Completed 7/2011	27,661	3,756	0	0	0	0	\$9,408	\$59,589	\$46,357	\$9,753	\$3,479	City Capital Funds - Appropriated Utility Rebates	Prism Energy Services Proposal 4/2011
Area IV Youth Center	Retrocommissioning	In Progress	2,024	60	0	0	0	0	\$469	\$9,000	\$0	\$0	\$9,000	City Capital Funds	Stephen Turner Assessment 11/2012
Baldwin School	Lighting Retrofit	Completed 2/2011	80,554	0	0	0	0	0	\$12,083	\$59,170	\$0	\$20,139	\$39,032	EECBG and FY10 Bond	Prism Energy Services "As Built" Report 4/2011
Baldwin School	HVAC Upgrade	Planned FY13	171,034	8,074	0	0	0	0	\$28,560	\$92,776	\$0	TBD	TBD	City Capital Funds	Baldwin School Whole Building Assessment, EMA 11/2012
Cambridge Rindge and Latin High School	Major Renovations - Designed to LEED Silver	Completed 9/2011	0	0	0	0	0	0			\$0	\$0		City Bonds	Silver LEED features are part of \$112 Million Renovation Project
Cemetery Garage & Administration Building	Insulated Attic	Completed 12/2009	250	3,300	0	0	0	0	\$5,153	\$16,000	\$0	\$0	\$16,000	City Capital Funds	Kilojols Consulting Group Energy Assessment Cemetery Buildings 1/2007
Cemetery Complex	Lighting Retrofit	Completed 10/2012	3,552	0	0	0	0	0	\$533	\$3,395	\$0	\$888	\$2,507	City Capital Funds	Prism Energy Services Proposal 5/2012
City Hall	Lighting Retrofit	Completed 2/2011	98,823	0	0	0	0	0	\$14,823	\$57,159	\$0	\$26,986	\$30,173	EECBG	Bluestone Energy Services Proposal 6/2010
City Hall	Air seal and insulate attic	Planned FY13	13,838	8,504	0	0	0	0	\$12,170	\$49,839	\$0	\$11,976	\$37,863	City Capital Funds	Energy Management Associates Assessment 2/2012
City Hall Annex	Recommission	Completed 2/2009	-	-	-	-	-	-	-	\$25,858	\$0	\$0	\$25,858	Operating Budget FY09	
Coffon Building	Replace Boiler and Install Direct Digital Control System and Programmable Thermostats	Completed 5/2009	15,748	3,267	0	0	0	0	\$7,426	Included with Frazier - See Line 28	\$0	\$0	Included with Frazier - See Line 28	City Capital Funds	City Engineering Estimate
Coffon Building	Lighting Retrofit	Completed 10/2012	38,147	0	0	0	0	0	\$5,722	\$52,059	\$0	\$9,537	\$42,522	Resident Parking Sticker Fund Appropriation	Prism Energy Services Proposal 5/2012
DPW Complex (three buildings)	Lighting Retrofit	Completed 9/2011	86,075	0	0	0	0	0	\$12,911	\$75,835	\$26,260	\$21,519	\$28,056	City Capital Funds - Appropriated Utility Rebates	Prism Energy Services Proposal 9/2011
DPW Ryan Garage and Simard Building	Energy Star reflective roofs, 55,000 sf, 25 R-value insulation	In Progress	194,013	0	0	0	0	0	\$4,410	\$1,339,325	\$0	\$0	\$1,339,325	FY12 Bond	Energy Usage/Payback Calculator, Russo Barr Associates 11/2012
East Cambridge Fire House (Engine 3)	Lighting Retrofit	Completed 2/2011	22,620	0	0	0	0	0	\$3,393	\$26,313	\$0	\$5,404	\$20,909	EECBG and City Capital Funds	Prism Energy Services "As Built" Report 4/2011
Taylor Square Fire House (Engine 8)	Lighting Retrofit	Completed 10/2012	53,885	0	0	0	0	0	\$8,811	\$49,116	\$0	\$12,891	\$36,225	City Capital Funds	Bluestone Energy Services Proposal 5/2012
Taylor Square Fire House (Engine 8)	Retrocommissioning	In Progress	1,623	189	0	0	0	0	\$536	\$7,000	\$0	\$0	\$7,000	Residential Sticker Fund Appropriation	Stephen Turner Assessment 11/2012

Table 4
Energy Conservation Measures Data

Measure		Status	Energy Data						Financial Data					Reference Data	
Category/Building	Energy Conservation Measure	Status (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
Fire Headquarters	Lighting Retrofit	Completed 10/2012	37,945	0	0	0	0	0	\$6,346	\$32,304	\$0	\$9,549	\$22,755	City Capital Funds	Bluestone Energy Services Proposal 5/2012
Frazier Building (DPW)	New Rooftop Air Conditioning Unit and Install Direct Digital Controls and Programmable Thermostats	Completed 5/2009	21,778	4,555	0	0	0	0	\$10,327	\$454,866	\$0	\$0	\$454,866	City Capital Funds	City Engineering Estimate
Frazier Building (DPW)	Replaced Boiler and Installed Direct Digital Control System	Completed 11/2010	0	1,895	0	0	0	0	\$6,000	\$138,716	\$0	\$7,500	\$131,216	EECBG and City Capital Funds	City Engineering Estimate
Frisoli Youth Center	Lighting Retrofit	Completed 2/2011	32,947	0	0	0	0	0	\$4,942	\$24,940	\$0	\$8,430	\$16,510	EECBG and City Capital Funds	Prism Energy Services "As Built" Report 4/2011
Frisoli Youth Center	Variable Frequency Drives and Direct Digital Control System	Completed 7/2011	122,665	4,332	0	0	0	0	\$26,079	\$153,436	\$119,266	\$34,170	\$0	N/A	Prism Energy Services Proposal 4/2011
Gately Youth Center	Lighting Retrofit	Completed 2/2011	48,792	0	0	0	0	0	\$7,319	\$18,798	\$0	\$12,198	\$6,600	EECBG and City Capital Funds	Prism Energy Services "As Built" Report 4/2011
Haggerty School	Lighting Retrofit	Completed 2/2011	84,425	0	0	0	0	0	\$12,664	\$50,864	\$0	\$19,494	\$31,370	EECBG and FY10 Bond	Prism Energy Services "As Built" Report 4/2011
Haggerty School	Variable Frequency Drives	Completed 7/2011	41,963	0	0	0	0	0	\$6,294	\$25,929	\$15,438	\$10,491	\$0	N/A	Prism Energy Services Proposal 4/2011
Haggerty School	DDC Upgrade	Planned FY13	128,380	9,400	0	0	0	0	\$34,665	\$276,389	\$0	\$41,710	\$234,679	FY10 Bond	Prism Energy Services Proposal 10/2012
High School Field House	Lighting Retrofit	Completed 9/2011	185,000	0	0	0	0	0	\$27,750	\$59,018	\$12,768	\$46,250	\$0	N/A	Prism Energy Services Proposal 8/2011
Kennedy/Longfellow School	Lighting Retrofit	Completed 2/2011	170,090	0	0	0	0	0	\$25,514	\$90,711	\$0	\$42,522	\$48,189	EECBG and FY10 Bond	Prism Energy Services "As Built" Report 4/2011
Lombardi Building	Retrocommissioning	In Progress	27,007	321	0	0	0	0	\$4,415	\$22,500	\$0	\$0	\$22,500	City Capital Funds	Stephen Turner Assessment 11/2012
Longfellow School	Replaced Boiler (converted from oil to natural gas) and Installed Direct Digital Control System	Completed 11/2010	0	16,490	0	0	0	0	\$18,000	\$414,212	\$0	\$30,000	\$384,212	EECBG and City Capital Funds	City Engineering Estimate
Longfellow School	Commission New HVAC	Completed 1/2012	0	1,312	0	0	0	0	\$1,417	\$11,250	\$0	\$0	\$11,250	Energy Fund - Appropriated Utility Rebates	City Engineering Estimate
Martin Luther King, Jr. School	Demolition or Major Renovation - Silver LEED, Possible Net-Zero Energy	Design Planned FY14 Phase 1 Construction FY13	TBD	0	0	0	0	0	TBD	TBD	\$0	TBD	TBD	City Bond	TBD
Moore Youth Center	Replaced Boiler and Installed Direct Digital Control System	Completed 11/2010	0	1,873	0	0	0	0	\$6,000	\$138,716	\$0	\$7,500	\$131,216	EECBG and City Capital Funds	City Engineering Estimate
Morse School	Lighting Retrofit	Completed 9/2011	117,840	0	0	0	0	0	\$17,676	\$83,139	\$53,679	\$29,460	\$0	N/A	Prism Energy Services Proposal 8/2011
Peabody School	Lighting Retrofit	Completed 2/2011	206,244	0	0	0	0	0	\$30,937	\$116,885	\$0	\$51,611	\$65,275	EECBG and FY10 Bond	Prism Energy Services "As Built" Report 4/2011
Peabody School	HVAC Upgrade	Planned FY13	131,404	10,500	0	0	0	0	\$24,641	\$141,196	\$141,196	TBD	\$0	N/A	Peabody School Whole Building Assessment, EMA 9/2012
School District - nine schools	DDC System Integration	Completed 1/2012	171,176	0	0	0	0	0	\$51,292	\$158,628	\$0	\$40,644	\$117,984	FY10 Bond	Prism Energy Services Proposal 5/2011

Table 4
Energy Conservation Measures Data

Measure		Status	Energy Data						Financial Data					Reference Data	
Category/Building	Energy Conservation Measure	Status (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
Senior Center	Lighting Retrofit	Completed 2/2011	10,277	0	0	0	0	0	\$1,542	\$14,273	\$0	\$3,125	\$11,148	EECBG and City Capital Funds	Prism Energy Services "As Built" Report 4/2011
Senior Center	Retrocommissioning	In Progress	20,068	632	0	0	0	0	\$3,731	\$22,500	\$0	\$0	\$22,500	Residential Sticker Fund Appropriation	Stephen Turner Assessment 11/2012
Solomon Garage	Lighting Retrofit	Completed 9/2011	11,054	0	0	0	0	0	\$1,658	\$12,767	\$10,004	\$2,764	\$0	N/A	Prism Energy Services Proposal 8/2011
Various Schools	Cambridge Green Schools Initiative	Planned FY12-FY13	312,245	0	0	0	0	0	\$46,837	\$0	\$0	\$0	\$0	Operating Budget	School Department Estimates Based off Previous Initiatives and Completed Projects
BUILDINGS SUBTOTAL			2,708,938	78,460	0	0	0	0	\$505,121	\$4,392,799	\$424,968	\$520,181	\$3,354,874		
Traffic Walk Signals	Converted to LED as part of larger general walk signal improvement project	Completed 4/2009	199,883	0	0	0	0	0	\$142,565		\$0				Traffic Estimates as Part of Larger General Walk Signal Improvement Project
Streetlights	Convert to LED	Design In Progress Phase 1 Installation Spring 2013	1,151,976	0	0	0	0	0	\$362,361	\$4,888,118	\$0	\$644,500	\$4,243,618	City Capital Funds	DPW Estimates Based off Completed Pilots
STREET AND TRAFFIC LIGHTS SUBTOTAL			1,351,859	0	0	0	0	0	\$504,926	\$4,888,118	\$0	\$644,500	\$4,243,618		
Lechmere Canal Park	Variable Frequency Drives on Fountain Pump	In Progress	89,027	0	0	0	0	0	\$9,348	\$35,423	\$0	\$17,712	\$17,711	City Capital Funds	Prism Energy Services Study & Proposal, 10/2012
OPEN SPACE* SUBTOTAL			89,027	0	0	0	0	0	\$9,348	\$35,423	\$0	\$17,712	\$17,711		
Walter Sullivan Water Purification Facility	Phase I HVAC Upgrade	Completed FY09	67,133	0	0	0	0	0	\$16,548	\$20,000	\$0	\$0	\$20,000	Water Enterprise Fund	Engineered Solutions, Inc. HVAC Study 9/2007
Walter Sullivan Water Purification Facility	Lighting Retrofit	Completed FY09	483,774	0	0	0	0	0	\$72,566	\$89,802	\$0	\$30,270	\$59,532	Water Enterprise Fund	Energy Masters Technical Study, 2010
Walter Sullivan Water Purification Facility	Energy Efficiency and Process Optimization Audit	Completed 10/2011	0	0	0	0	0	0	\$0	\$120,000	\$0	\$0	\$120,000	Water Enterprise Fund	N/A
Walter Sullivan Water Purification Facility	Comprehensive Energy Reduction Measures	Completed 6/2012	242,064	0	0	0	0	0	\$122,864	\$0	\$0	\$0	\$0	N/A	CDM Energy Efficiency and Process Optimization Audit, 10/2011
Walter Sullivan Water Purification Facility	Capital Intensive Energy Reduction Measures	In Progress	943,686	15,600	0	0	0	0	\$126,845	\$1,150,000	\$0	TBD	\$1,150,000	Water Capital Funds	CDM Energy Efficiency and Process Optimization Audit, 10/2011
WATER/SEWER/PUMPING SUBTOTAL			1,736,657	15,600	0	0	0	0	\$338,823	\$1,379,802	\$0	\$30,270	\$1,349,532		
Water Department Vehicles	Incorporation of Global Positioning System (GPS)	Completed FY10	0	0	0	0	2,000	0		\$10,000	\$0	\$0	\$10,000	Water Enterprise Fund	DPW Estimates Based off Completed Pilots
Various Departments	Green Fleet Vehicle Replacements	Completed FY11	0	0	0	0	683	0	\$2,042		\$0			Operating Budget	DPW Estimates Based off www.fueleconomy.gov
Various Departments	Green Fleet Vehicle Replacements	Completed FY12	0	0	0	0	459	0	\$1,308		\$0			Operating Budget	DPW Estimates Based off www.fueleconomy.gov
VEHICLES SUBTOTAL			0	0	0	0	3,142	0	\$3,350	\$10,000	\$0	\$0	\$10,000		
TOTAL Projected Savings			5,886,481	94,060	0	0	3,142	0	\$1,361,569	\$10,706,142	\$424,968	\$1,212,663	\$8,975,735		

**Table 4
Energy Conservation Measures Data**

Measure		Status	Energy Data					Financial Data				Reference Data			
Category/Building	Energy Conservation Measure	Status (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
TOTAL MMBtu SAVINGS		29880.29583	20084.67183	9406.016	0	0	389.608	0							

Criteria 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)

Does currently adopted fuel efficient vehicle policy reflect the most recent Guidance? (Please note, this question will be pre-answered based on your application or subsequent annual report filing(s))
YES per FY11 Annual Report

If answer is NO, provide documentation of a policy that reflects the most recent Guidance. This must be provided as either 1) a newly adopted policy by the Chief Executive Officer and the Superintendent of Schools OR 2) if original adopted policy noted that the policy would be updated from time to time, then a letter from the Town Manager/Town Administrator/Mayor and the Superintendent noting that the policy has been updated to reflect the most current Green Communities Guidance with the updated policy attached. **NOTE:** If part of a regional school district and regional schools are not part of the designation, then evidence of adoption by schools is not required.

2) Please provide the most current vehicle inventory that includes ALL vehicles (Both exempt and non-exempt) for ALL departments, including schools. In the inventory, please bold or highlight any newly acquired vehicles since a) designation, or b) last annual report

See Table Below for Minimum information required in vehicle inventory

Table 6 Vehicle Inventory								
Model	Make	Model Year	Month/Year Purchased	Drive System: 2WD, 4 WD, or AWD	> 8500 pounds? (Y or N)	Exempt or Non-Exempt? E or NE	MPG Rating	Vehicle Function
Honda	Civic Hybrid	2009	Feb, 2011	2WD	N	NE	43	Inspector/Assess or shared car

3) Attach any new vehicle policies and technologies adopted by the municipality, e.g. electric vehicle charging stations, anti-idling technology and/or campaigns, driving monitoring system recording miles driven and/or fuel consumption, fuel use reporting systems for operators on fuel efficiency. Please estimate annual fuel savings from each new technology or policy.

4) 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 as well as a status regarding the success of these programs and policies.

NARRATIVE: N/A

Criterion 5 - Stretch Code Adoption

**Date Stretch Code Concurrency
Period Began: January 1, 2010
Date Stretch Code Became Sole
Effective Code: July 1, 2010**

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 through 6/30/2012 along with accompanying information noted below. For those Green Communities who submitted this table for previous annual reports, you do not need to include projects that had Certificates of Occupancies previously reported. (Non-applicable stretch code projects such as small renovations, decks, etc., do not need to be listed.)

NOTE:

*Residential - construction must use a HERS rater which is the performance track. Renovations are being done by the prescriptive track.
Commercial - Over 100,000 square feet is in energy modeling, those 5,000 to 100,000 square feet use the performance modeling or prescriptive track.*

Table 7 Stretch Code Projects - July 1, 2011 - Jun 30, 2012 (Add more rows as necessary)				
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: If New Residential, provide final HERS Rating
<i>12 Hubbard Avenue</i>	<i>RR</i>	<i>7/8/2011</i>		
<i>61 Bolton Street</i>	<i>NR</i>	<i>7/20/2011</i>	<i>C.O - 8/10/12</i>	<i>AVERAGE 62</i>
<i>71 Normandy Avenue</i>	<i>NR</i>	<i>7/8/2011</i>	<i>C.O - 4/4/12</i>	<i>61</i>
<i>11 Gray Street</i>	<i>RR</i>	<i>7/11/2011</i>		
<i>165 Putnam Avenue</i>	<i>RR</i>	<i>7/12/2011</i>		
<i>15 Robinson Street</i>	<i>RR</i>	<i>7/19/2011</i>		
<i>277 Western Avenue</i>	<i>RR</i>	<i>7/7/2011</i>		
<i>89 Appleton Street</i>	<i>RR</i>	<i>8/22/2011</i>		
<i>209 Lakeview Avenue</i>	<i>RR</i>	<i>8/22/2011</i>		
<i>4 Fayette Park</i>	<i>RR</i>	<i>8/15/2011</i>	<i>C.O - 1/23/12</i>	

610 Mass Avenue	C	8/14/2011		
65 Oxford Street	NR	8/15/2011	C.O - 3/14/12	63
65A Oxford Street	NR	8/15/2011	C.O - 3/14/12	63
122 Oxford Street	RR	8/17/2011	C.O - 7/9/12	
117 Amory Street	RR	9/14/2011		
17 Clay Street	RR	9/20/2011		
107 1/2 Inman Street	RR	9/29/2011	C.O - 9/29/11	
66 Oxford Street	RR	9/12/2011	C.O - 7/16/12	
60 Acorn Street	C	10/6/2011		
151 Brattle Street	RR	10/7/2011		
4 Berkeley Street	RR	10/11/2011		
17 Day Street	RR	10/27/2011		
203-205 Elm Street	RR	10/21/2011	C.O For 2 of 3 floors - 10/9/12	
26 Landsdowne Street	C	10/25/2011		
260 Lexington Ave	C	10/13/2011		
7 Laurel Street	RR	10/22/2011		
537 Putnam Avenue	C	10/13/2011		
150 Second Street	C	10/4/2011		
128 Cherry Street	RR	11/3/2011		
13 Florence street	RR	11/29/2011	C.O - 6/25/12	
15 Florence Street	RR	11/29/2011	C.O - 6/25/12	
17 Florence Street	RR	11/29/2011	C.O - 6/25/12	
53 Lee Street	RR	11/22/2011		
120 Oxford Street	NR	11/28/2011	C.O - 7/9/12	63
151 Raymond Street	NR	11/30/2011	C.O - 6/12/12	56
225 Binney Street	C	12/27/2011		
14 Dana Street	RR	12/8/2011		
16 Garden Street	RR	12/9/2011		
75 Ames Street	C	1/6/2012		

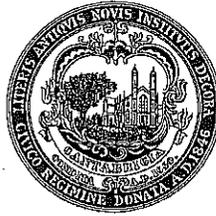
300 Binney Street	C	1/24/2012		
15 Clinton Street	RR	1/10/2012		
155 Western Avenue	RR	1/18/2012		
12 Florence Street	RR	2/12/2012		
43 Gibson Street	RR	2/24/2012		
610 Main Street	C	2/7/2012		
3 Brattle Circle	NR	3/5/2012		
4-5 Brattle Circle	NR	3/5/2012		
6-7 Brattle Circle	NR	3/5/2012		
1-2 Brattle Street	RR	3/5/2012		
52 Brattle Street	C	3/9/2012		
9 Clement Circle	RR	3/22/2012		
199 Erie Street	NR	3/8/2012		
55 Orchard Street	RR	3/27/2012		
100 Pacific Street	C	3/7/2012		
32 Quincy Street	C	3/6/2012		
184 Raymond Street	RR	3/5/2012		
15 Vineyard Street	RR	3/23/2012		
42 Bay State Road	NR	4/18/2012	C.O - 8/30/12	5 units - 58,59,64,64,69
54 Bay State Road	NR	4/18/2012	C.O - 8/30/12	5 units - 60,62,60,66,65
8 Blanchard Road	NR	4/13/2012		
175 Brattle Street	RR	4/12/2012		
47 Coolidge Road	RR	4/2/2012		
70 Faucett Street	C	4/26/2012		
250 Kendall	C	4/26/2012		
43 Larch Road	RR	4/13/2012		
208 Lexington Avenue	RR	5/31/2012		
221 Mt. Auburn Street	C			
13-15 Athens Street	RR	6/26/2012		
60 Clifton Street	RR	6/26/2012		

<i>2 Hutchinson Street</i>	<i>RR</i>	<i>6/29/2012</i>		
<i>6 Longfellow Rd.</i>	<i>RR</i>	<i>6/6/2012</i>		

Donald A. Drisdell
City Solicitor

Nancy E. Glowa
Deputy City Solicitor

Arthur J. Goldberg
First Assistant City Solicitor



Assistant City Solicitors

Vali Buland
Paul S. Kawai
Elizabeth A. Shaw
Samuel A. Aylesworth
Amy L. Witts

CITY OF CAMBRIDGE

Office of the City Solicitor
795 Massachusetts Avenue
Cambridge, Massachusetts 02139

May 13, 2010

Cliff Sullivan
Green Communities Division
Department of Energy Resources
100 Cambridge Street, 10th Floor
Boston, MA 02114

Dear Mr. Sullivan:

This letter certifies that the City of Cambridge Zoning Ordinance complies with eligibility criterion no.1 of the Green Communities Grant Program concerning as-of-right zoning for renewable energy/alternative energy research and development facilities. The City provides the following specific documentation to demonstrate compliance:

Applicable Section of the Zoning Ordinance – Section 4.34 of the Zoning Ordinance allows for “office and laboratory use” in the following zoning districts: Office 1, 2A, 2, 3, and 3A; Business A-1, A-2, A-3; Business A; Business B, B-1 and B-2; Industrial A-1 and A-2; Industrial A; Industrial B-1 and B-2; Industrial B; and Industrial C. The zoning language can be viewed online at http://library5.municode.com/16233/home.htm?infobase=16889&doc_action=whatsnew&nltext=City%20Ordinances. A map entitled “As-of-right Development (Up to 50,000 square feet) for Research & Development, Cambridge, Massachusetts” is attached which illustrates the locations of the above referenced districts. “Office and Laboratory Use” is defined as “Technical office for research and development, laboratory & research facility subject to the restrictions in Section 4.21m. Any renewable energy or alternative energy research and development activity would fall under the definition of “Office and Laboratory Use”. The restrictions in section 4.21m are basic safeguards to prevent nuisance. A copy of that section is appended to this letter.

Important Zoning Definitions – Under the Cambridge Zoning Ordinance, any research and development use involving less than 50,000 square feet of gross square feet is allowed as of right in the districts listed above, except districts Business A, A-1, and A-2 where the threshold for special permits is 20,000 square feet. These provisions are described at section 19.23 of the zoning ordinance, a copy of which is attached.

Yield Calculations -- According to our calculations using the City's GIS, there is 7,765,541 square feet of remaining development potential for research and development in the districts listed above. A map entitled "Lots with Remaining Development Potential for R&D, Cambridge, Massachusetts" is attached which illustrates the location of unused R&D development potential. Based on this analysis, the City far exceeds the requirement in the Green Communities criteria for 50,000 square feet of development potential. The yield calculations were conducted by computing remaining build-out under current zoning for all lots which allow R&D and including all lots which would allow such development as-of-right.

The City notes that there are many existing alternative and renewable energy R&D facilities in Cambridge, which serve as an indication that these activities are able to be sited here. A list of these facilities is attached.

If you have any questions, please contact me, at 617-349-4121, or John Bolduc, Environmental Planner, at 617-349-4628 or jbolduc@cambridgema.gov.

Sincerely,



Donald A. Drisdell
City Solicitor

Cambridge Vehicle Inventory

4/17/2013

FY12

Department	Description	Model	Make	Model Year	Year Purchased	Drive System: 2WD, 4WD or AWD	Exempt or Non-Exempt (E or NE)	> 8,500 pounds? (Y or N)	MPG	Vehicle Function
ANIMAL COMMISSION										
Animal Commission	Van	E250	Ford	2007	2007	2WD	E	Y	N/A	Utility Van
Animal Commission	Van	E150 VAN	Ford	2004	2004	2WD	E	Y	13	Utility Van
CABLE										
Cable	Van	E350	Ford	1995	NULL	2WD	E	Y	N/A	Utility Van
POLICE										
Cambridge Police	Transit van	Transit Connect	Ford	2012	2102	2WD	E	N	23	Utility Van
Cambridge Police	Sedan	Taurus	Ford	2012	2012	AWD	E	N	20	Undercover Police Cruiser
Cambridge Police	Sedan	Taurus	Ford	2012	2012	AWD	E	N	20	Undercover Police Cruiser
Cambridge Police	Sedan	Taurus	Ford	2012	2012	AWD	E	N	20	Undercover Police Cruiser
Cambridge Police	Med.Duty Trk	F350	Ford	2012	2012	2WD	E	Y	N/A	Response Vehicle
Cambridge Police	E450 Srt Unit	E450	Ford	2011	2011	2WD	E	Y	N/A	Mobile Command Post
Cambridge Police	Sedan	Crown Vic	Ford	2011	2011	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2011	2011	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2011	2011	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2011	2011	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2011	2011	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2011	2011	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2011	2011	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2010	2010	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2010	2010	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2010	2010	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2010	2010	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2010	2010	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2010	2010	2WD	E	N	19	Police Cruiser
Cambridge Police	Med.Duty Trk	F250	Ford	2010	2010	4WD	E	Y	N/A	Response Vehicle
Cambridge Police	SUV	Expedition	Ford	2010	2010	4WD	E	N	14	Undercover Police Cruiser
Cambridge Police	SUV	Pilot	Honda	2010	2010	AWD	E	N	18	Undercover Police Cruiser
Cambridge Police	Motorcycle	RT1150RT	BMW	2009	2009	M	E	N	57	Motorcycle
Cambridge Police	Motorcycle	RT1150RT	BMW	2009	2009	M	E	N	57	Motorcycle
Cambridge Police	Motorcycle	RT1150RT	BMW	2009	2009	M	E	N	57	Motorcycle
Cambridge Police	Motorcycle	RT1150RT	BMW	2009	2009	M	E	N	57	Motorcycle
Cambridge Police	Motorcycle	RT1150RT	BMW	2009	2009	M	E	N	57	Motorcycle
Cambridge Police	Motorcycle	RT1150RT	BMW	2009	2009	M	E	N	57	Motorcycle
Cambridge Police	Motorcycle	RT1150RT	BMW	2009	2009	M	E	N	57	Motorcycle
Cambridge Police	Motorcycle	RT1150RT	BMW	2009	2009	M	E	N	57	Motorcycle
Cambridge Police	Motorcycle	RT1150RT	BMW	2009	2009	M	E	N	57	Motorcycle
Cambridge Police	Motorcycle	RT1150RT	BMW	2009	2009	M	E	N	57	Motorcycle
Cambridge Police	Motorcycle	RT1150RT	BMW	2009	2009	M	E	N	57	Motorcycle
Cambridge Police	Motorcycle	RT1150RT	BMW	2009	2009	M	E	N	57	Motorcycle

Cambridge Vehicle Inventory

4/17/2013

FY12

Department	Description	Model	Make	Model Year	Year Purchased	Drive System: 2WD, 4WD or AWD	Exempt or Non-Exempt (E or NE)	> 8,500 pounds? (Y or N)	MPG	Vehicle Function
Cambridge Police	Motorcycle	RT1150RT	BMW	2009	2009	M	E	N	57	Motorcycle
Cambridge Police	Sedan	Crown Vic	Ford	2009	2009	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2009	2009	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2009	2009	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2009	2009	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2009	2009	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2009	2009	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2009	2009	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2009	2009	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2009	2009	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2009	2009	2WD	E	N	19	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2008	2008	2WD	E	N	18	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2008	2008	2WD	E	N	18	Police Cruiser
Cambridge Police	ATV	<i>gator</i>	<i>gator</i>	2008	2008	4WD	E	N	N/A	Emergency Response ATV
Cambridge Police	SUV	Highlander	Toyota	2008	2008	4WD	E	N	26	Undercover Police Cruiser
Cambridge Police	SUV	Expedition	Ford	2007	2007	4WD	E	N	13	Undercover Police Cruiser
Cambridge Police	SUV	Expedition	Ford	2007	2007	4WD	E	N	13	Undercover Police Cruiser
Cambridge Police	SUV	Explorer	Ford	2007	2007	4WD	E	N	15	Undercover Police Cruiser
Cambridge Police	Van	E350	Ford	2006	2006	2WD	E	Y	N/A	Utility Van
Cambridge Police	Sedan	Crown Vic	Ford	2006	2006	2WD	E	N	17	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2006	2006	2WD	E	N	17	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2006	2006	2WD	E	N	17	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2006	2006	2WD	E	N	17	Police Cruiser
Cambridge Police	Sedan	Altima	Nissan	2005	2005	2WD	E	N	28	Undercover Police Cruiser
Cambridge Police	Van	E350	Ford	2004	2004	2WD	E	Y	N/A	Utility Van
Cambridge Police	Sedan	Crown Vic	Ford	2004	2004	2WD	E	N	16	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2004	2004	2WD	E	N	16	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2004	2004	2WD	E	N	16	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2004	2004	2WD	E	N	16	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2004	2004	2WD	E	N	16	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2004	2004	2WD	E	N	16	Police Cruiser
Cambridge Police	SUV	EXPEDITION	Ford	2004	2004	4WD	E	N	13	Undercover Police Cruiser
Cambridge Police	Heavy Duty Trk	E450	Ford	2003	2003	2WD	E	Y	N/A	Passenger Bus
Cambridge Police	Sedan	Crown Vic	Ford	2003	2003	2WD	E	N	16	Police Cruiser
Cambridge Police	Sedan	Crown Vic	Ford	2003	2003	2WD	E	N	16	Police Cruiser
Cambridge Police	SUV	<i>F150</i>	<i>Ford</i>	2003	2003	4WD	E	N	14	Undercover Police Cruiser
Cambridge Police	Sedan	Sable	Mercury	1999	1999	2WD	E	N	20	Undercover Police Cruiser
Cambridge Police	command post	E250	Ford	1998	2011	2WD	E	Y	N/A	Mobile Command Post
Cambridge Police	Van	E250	Ford	1991	1991	2WD	E	Y	N/A	Utility Van
Cambridge Police	Hybrid	Fusion	Ford	2012	2012	2WD	NE	N	35	Police Administrative
Cambridge Police	Hybrid	Fusion	Ford	2012	2012	2WD	NE	N	35	Police Administrative
Cambridge Police	Hybrid	Fusion	Ford	2012	2012	2WD	NE	N	35	Police Administrative
Cambridge Police	Hybrid	Fusion	Ford	2012	2012	2WD	NE	N	35	Police Administrative

Cambridge Vehicle Inventory

4/17/2013

FY12

Department	Description	Model	Make	Model Year	Year Purchased	Drive System: 2WD, 4WD or AWD	Exempt or Non-Exempt (E or NE)	> 8,500 pounds? (Y or N)	MPG	Vehicle Function
Cambridge Police	Hybrid	Fusion	Ford	2012	2012	2WD	NE	N	35	Police Administrative
Cambridge Police	Hybrid	Fusion	Ford	2010	2010	2WD	NE	N	35	Police Administrative
Cambridge Police	Hybrid	Fusion	Ford	2010	2010	2WD	NE	N	35	Police Administrative
Cambridge Police	Sedan	Fusion	Ford	2010	2010	2WD	NE	N	25	Police Administrative
Cambridge Police	Sedan	Fusion	Ford	2010	2010	2WD	NE	N	25	Police Administrative
Cambridge Police	Sedan	Fusion	Ford	2010	2010	2WD	NE	N	25	Police Administrative
Cambridge Police	Sedan	Fusion	Ford	2010	2010	2WD	NE	N	25	Police Administrative
Cambridge Police	Sedan	Fusion	Ford	2010	2010	2WD	NE	N	25	Police Administrative
Cambridge Police	Hybrid	Camry	Toyota	2009	2009	2WD	NE	N	33	Police Administrative
Cambridge Police	Hybrid	Camry	Toyota	2009	2009	2WD	NE	N	33	Police Administrative
Cambridge Police	Hybrid	Camry	Toyota	2009	2009	2WD	NE	N	33	Police Administrative
Cambridge Police	Hybrid	Camry	Toyota	2008	2008	2WD	NE	N	33	Police Administrative
Cambridge Police	Hybrid	Camry	Toyota	2008	2008	2WD	NE	N	33	Police Administrative
Cambridge Police	Hybrid	Camry	Toyota	2008	2008	2WD	NE	N	33	Police Administrative
Cambridge Police	Hybrid	Camry	Toyota	2008	2008	2WD	NE	N	33	Police Administrative
Cambridge Police	Sedan	Camry	Toyota	2007	2007	2WD	NE	N	23	Police Administrative
Cambridge Police	Van	Sienna	Toyota	2007	2007	2WD	NE	N	18	Passenger Van
Cambridge Police	Sedan	Ford 500	Ford	2006	2006	AWD	NE	N	21	Police Administrative
Cambridge Police	Sedan	Ford 500	Ford	2006	2006	AWD	NE	N	21	Police Administrative
Cambridge Police	Sedan	Ford 500	Ford	2006	2006	AWD	NE	N	21	Police Administrative
MANAGERS										
City Manager	Hybrid	Escape	Ford	2011	2011	2WD	NE	N	32	Administrative Vehicle
City Manager	Hybrid	Fusion Hybrid	Ford	2010	2010	2WD	NE	N	39	Administrative Vehicle
ELECTRICAL										
Electrical	Van	Transit Connect	Ford	2010	2010	2WD	E	N	23	Utility Van
Electrical	Heavy Duty Truck	4400	International Harvester	2006	2006	2WD	E	Y	N/A	Service Vehicle
Electrical	Heavy Duty Truck	4400	International Harvester	2005	2005	2WD	E	Y	N/A	Service Vehicle
Electrical	Light Duty Truck	F550	FORD	2004	2004	2WD	E	Y	N/A	Service Vehicle
Electrical	Light Duty Truck	F550	Ford	2004	2004	2WD	E	Y	N/A	Service Vehicle
Electrical	Heavy Duty Truck	4400	International Harvester	2003	2004	2WD	E	Y	N/A	Service Vehicle
Electrical	Light Duty Truck	Colorado	Chevrolet	2011	2011	4WD	NE	N	18	Service Vehicle
Electrical	Light Duty Truck	Escape Hybrid	Ford	2009	2009	4WD	NE	N	21	Administrative Vehicle
Electrical	Light Duty Truck	Colorado	Chevrolet	2008	2008	2WD	NE	N	18	Service Vehicle
Electrical	Van	Uplander	Chevrolet	2008	2007	2WD	NE	N	19	Utility Van
Electrical	Van	Astro	Chevrolet	2002	2002	2WD	NE	N	14	Utility Van
Electrical	Light Duty Truck	Ranger 4WD	FORD	2000	2000	4WD	NE	N	15	Service Vehicle
FIRE										
Fire	mid duty truck	F-350	Ford	2010	2010	4WD	E	Y	N/A	Emergency Response
Fire	Heavy Duty Truck	Saber	Pierce	2010	2010	2WD	E	Y	N/A	Fire Apparatus
Fire	Passenger	Crown Vic	Ford	2010	2010	2WD	E	N	16	Emergency Response
Fire	Heavy Duty Truck	Dash	Pierce	2009	2009	2WD	E	Y	N/A	Fire Apparatus
Fire	Passenger	Crown Vic	Ford	2008	2008	2WD	E	N	18	Emergency Response

Cambridge Vehicle Inventory

4/17/2013

FY12

Department	Description	Model	Make	Model Year	Year Purchased	Drive System: 2WD, 4WD or AWD	Exempt or Non-Exempt (E or NE)	> 8,500 pounds? (Y or N)	MPG	Vehicle Function
Fire	Heavy Duty Truck	Saber	Pierce	2007	2007	2WD	E	Y	N/A	Fire Apparatus
Fire	Heavy Duty Truck	Saber	Pierce	2007	2007	2WD	E	Y	N/A	Fire Apparatus
Fire	mid duty truck	E-350	Ford	2007	2007	2WD	E	Y	N/A	Rescue Vehicle
Fire	Passenger	Crown Vic	Ford	2007	2007	2WD	E	N	18	Emergency Response
Fire	Passenger	Crown Vic	Ford	2006	2006	2WD	E	N	18	Emergency Response
Fire	mid duty truck	E-350	Ford	2005	2005	2WD	E	Y	N/A	Rescue Vehicle
Fire	mid duty truck	E-350	Ford	2005	2005	2WD	E	Y	N/A	Rescue Vehicle
Fire	Passenger	Crown Vic	Ford	2005	2005	2WD	E	N	16	Emergency Response
Fire	Heavy Duty Truck	Saber	Pierce	2004	2004	2WD	E	Y	N/A	Fire Apparatus
Fire	Passenger	Tahoe/Rescue	Chevy	2004	2004	4WD	E	N	14	Rescue Vehicle
Fire	Passenger	Tahoe/Rescue	Chevy	2004	2004	4WD	E	N	14	Rescue Vehicle
Fire	Passenger	Crown Vic	Ford	2004	2004	2WD	E	N	16	Emergency Response
Fire	Heavy Duty Truck	Rescue	Spartan	2003	2003	2WD	E	Y	N/A	Rescue Vehicle
Fire	Passenger	Crown Vic	Ford	2003	2003	2WD	E	N	16	Emergency Response
Fire	Passenger	Crown Vic	Ford	2003	2003	2WD	E	N	16	Emergency Response
Fire	Heavy Duty Truck	Saber	Pierce	2002	2002	2WD	E	Y	N/A	Fire Apparatus
Fire	Heavy Duty Truck	Saber	Pierce	2002	2002	2WD	E	Y	N/A	Fire Apparatus
Fire	Passenger	Crown Vic	Ford	2002	2002	2WD	E	N	16	Emergency Response
Fire	Heavy Duty Truck	Dash	Pierce	2001	2001	2WD	E	Y	N/A	Fire Apparatus
Fire	Heavy Duty Truck	Dash	Pierce	2001	2001	2WD	E	Y	N/A	Fire Apparatus
Fire	Heavy Duty Truck	Saber	Pierce	1999	1999	2WD	E	Y	N/A	Fire Apparatus
Fire	Heavy Duty Truck	Tactical Rescue	International	1999	1999	2WD	E	Y	N/A	Rescue Vehicle
Fire	mid duty truck	F-350	Ford	1999	1999	4WD	E	Y	N/A	Emergency Response
Fire	Passenger	Tahoe/Rescue	Chevy	1999	1999	4WD	E	N	13	Rescue Vehicle
Fire	Heavy Duty Truck	Saber	Pierce	1998	1998	2WD	E	Y	N/A	Fire Apparatus
Fire	Heavy Duty Truck	Rescue	Freightliner	1996	1996	2WD	E	Y	N/A	Rescue Vehicle
Fire	Heavy Duty Truck	Saber	Pierce	1996	1996	2WD	E	Y	N/A	Fire Apparatus
Fire	Heavy Duty Truck	Rescue	Freightliner	1995	1995	2WD	E	Y	N/A	Rescue Vehicle
Fire	Heavy Duty Truck	Saber	Pierce	1995	1995	2WD	E	Y	N/A	Fire Apparatus
Fire	Heavy Duty Truck	Dash	Pierce	1994	1994	2WD	E	Y	N/A	Fire Apparatus
Fire	Heavy Duty Truck	Haz-Mat	Ford	1994	1994	2WD	E	Y	N/A	Haz-Mat Vehicle
Fire	Heavy Duty Truck	Dash	Pierce	1992	1992	2WD	E	Y	N/A	Fire Apparatus
Fire	Heavy Duty Truck	Saber	Pierce	1971	1971	2WD	E	Y	N/A	Fire Apparatus
HUMAN SERVICES										
Human Services	Light Duty Van	2500 Express	Chevrolet	2009	2009	2WD	E	Y	14	Passenger Van
Human Services	Bus	Cutvan E350	Ford	2007	2007	2WD	E	Y	N/A	Passenger Bus
Human Services	Light Duty Truck	CK3500	Chevrolet	2006	2006	4WD	E	Y	N/A	Service Vehicle
Human Services	Van	G2500 (CG23405)	Chevrolet	2006	2006	2WD	E	Y	N/A	Passenger Van
Human Services	Van	E3500	Chevrolet	2003	2003	2WD	E	Y	N/A	Passenger Van
Human Services	Van	E3500	Chevrolet	2003	2003	2WD	E	Y	N/A	Passenger Van
Human Services	Bus	E450	Ford	2001	2001	2WD	E	Y	N/A	Passenger Bus
Human Services	Bus	E350	Ford	1998	1998	2WD	E	Y	N/A	Passenger Bus

Cambridge Vehicle Inventory

4/17/2013

FY12

Department	Description	Model	Make	Model Year	Year Purchased	Drive System: 2WD, 4WD or AWD	Exempt or Non-Exempt (E or NE)	> 8,500 pounds? (Y or N)	MPG	Vehicle Function
Human Services	Light Duty Truck	CK3500	Chevrolet	1998	1998	4WD	E	Y	N/A	Service Vehicle
Human Services	Van	E350	Ford	1993	1993	2WD	E	Y	N/A	Passenger Van
Human Services	Light Duty Truck	CT2500	GMC	1991	1991	4WD	E	Y	N/A	Service Vehicle
INSPECTIONAL SERVICES										
Inspectional Services	Sedan	Crown Vic	Ford	2005	2005	2WD	NE	N	16	Administrative Vehicle
LIBRARY										
Libraries	Van	Transit Connect	Ford	2011	2011	2WD	NE	N	23	Utility Van
MAYOR										
Mayor	Electric	Volt	Chevrolet	2012	2012	2WD	NE	N	94	Administrative Vehicle
PUBLIC WORKS										
Public Works - Sanitation	Heavy Duty Truck	M2106V	Freightliner	2012	2012	2WD	E	Y	N/A	Service Vehicle
Public Works - Sewer Maint	Heavy Duty Truck	M2106V	Freightliner	2012	2012	2WD	E	Y	N/A	Service Vehicle
Public Works - Street Maint	Mid Duty Truck	F550	Ford	2012	2012	4WD	E	Y	N/A	Service Vehicle
Public Works - Street Maint	Heavy Duty Truck	M2-106	Freightliner	2011	2011	2WD	E	Y	N/A	Service Vehicle
Public Works - Park Maint	Light Duty Truck	F350 Super Duty	Ford	2011	2011	4WD	E	Y	N/A	Service Vehicle
Public Works - Street Maint	Heavy Duty Truck	M2-106V	Freightliner	2010	2010	2WD	E	Y	N/A	Service Vehicle
Public Works - Street Maint	Heavy Duty Truck	7400SFA	International Harvester	2010	2010	2WD	E	Y	N/A	Service Vehicle
Public Works - Street Maint	Heavy Duty Truck	7400SFA	International Harvester	2010	2010	2WD	E	Y	N/A	Service Vehicle
Public Works - Street Maint	Mid Duty Truck	F550	Ford	2010	2010	4WD	E	Y	N/A	Service Vehicle
Public Works - Park Maint	Mid Duty Truck	F350	Ford	2010	2010	4WD	E	Y	N/A	Service Vehicle
Public Works - Sanitation	Heavy Duty Truck	7400	International Harvester	2009	2009	2WD	E	Y	N/A	Service Vehicle
Public Works - Street Maint	Heavy Duty Truck	7400SER	International Harvester	2009	2009	2WD	E	Y	N/A	Service Vehicle
Public Works - Park Maint	Mid Duty Truck	F350	Ford	2009	2009	4WD	E	Y	N/A	Service Vehicle
Public Works - Building Maint	Light Duty Truck	F350XL	Ford	2009	2009	4WD	E	Y	N/A	Service Vehicle
Public Works - Off Hours	Heavy Duty Truck	4300	International Harvester	2008	2008	2WD	E	Y	N/A	Service Vehicle
Public Works - Park Maint	Heavy Duty Truck	7400SER	International Harvester	2008	2008	2WD	E	Y	N/A	Service Vehicle
Public Works - Park Maint	Mid Duty Truck	F350 Super Duty	Ford	2008	2008	4WD	E	Y	N/A	Service Vehicle
Public Works - Street Clean	Mid Duty Truck	F350	Ford	2008	2008	4WD	E	Y	N/A	Service Vehicle
Public Works - Cemetery	Mid Duty Truck	F350	Ford	2008	2008	4WD	E	Y	N/A	Service Vehicle
Public Works - Sanitation	Heavy Duty Truck	4300	International Harvester	2007	2007	2WD	E	Y	N/A	Service Vehicle
Public Works - Sewer Maint	Heavy Duty Truck	7300	International Harvester	2007	2007	2WD	E	Y	N/A	Service Vehicle
Public Works - Street Clean	Light Duty Truck	Silverado 2500HD	Chevrolet	2007	2007	4WD	E	Y	N/A	Service Vehicle
Public Works - Park Maint	Light Duty Truck	Silverado 2500HD	Chevrolet	2007	2007	4WD	E	Y	N/A	Service Vehicle
Public Works - Sanitation	Heavy Duty Truck	7400	International Harvester	2006	2006	2WD	E	Y	N/A	Service Vehicle
Public Works - Building Ops	Light Duty Truck	2500HD	Chevrolet	2006	2006	4WD	E	Y	N/A	Service Vehicle
Public Works - Cemetery	Light Duty Truck	3500	Chevrolet	2006	2006	4WD	E	Y	N/A	Service Vehicle
Public Works - Street Clean	Light Duty Truck	CK2500	Chevrolet	2006	2006	4WD	E	Y	N/A	Service Vehicle
Public Works - Park Maint	Light Duty Truck	CK2500HD	Chevrolet	2006	2006	4WD	E	Y	N/A	Service Vehicle
Public Works - Building Maint	Light Duty Van	4 SPEED AUTO VA	Chevrolet	2006	2006	2WD	E	Y	N/A	Utility Van
Public Works - Sanitation	Heavy Duty Truck	7400	International Harvester	2005	2005	2WD	E	Y	N/A	Service Vehicle
Public Works - Park Maint	Heavy Duty Truck	7400	International Harvester	2005	2005	2WD	E	Y	N/A	Service Vehicle
Public Works - Street Maint	Mid Duty Truck	K3500	Chevrolet	2005	2005	4WD	E	Y	N/A	Service Vehicle

Cambridge Vehicle Inventory

4/17/2013

FY12

Department	Description	Model	Make	Model Year	Year Purchased	Drive System: 2WD, 4WD or AWD	Exempt or Non-Exempt (E or NE)	> 8,500 pounds? (Y or N)	MPG	Vehicle Function
Public Works - Off Hours	Light Duty Truck	SILVERADO 2500H	Chevrolet	2005	2005	2WD	E	Y	N/A	Service Vehicle
Public Works - Sanitation	Heavy Duty Truck	7400	International Harvester	2004	2004	2WD	E	Y	N/A	Service Vehicle
Public Works - Street Maint	Heavy Duty Truck	7400	International Harvester	2004	2004	2WD	E	Y	N/A	Service Vehicle
Public Works - Building Ops	Light Duty Truck	SILVERADO 2500H	Chevrolet	2004	2004	4WD	E	Y	N/A	Service Vehicle
Public Works - Sewer Maint	Light Duty Truck	2500HD	Chevrolet	2004	2004	4WD	E	Y	N/A	Service Vehicle
Public Works - Street Maint	Light Duty Truck	SILVERADO 3500 4	Chevrolet	2004	2004	4WD	E	Y	N/A	Service Vehicle
Public Works - Sewer Maint	Light Duty Truck	SILVERADO 2500H	Chevrolet	2004	2004	4WD	E	Y	N/A	Service Vehicle
Public Works - Off Hours	Light Duty Truck	SILVERADO 2500H	Chevrolet	2004	2004	4WD	E	Y	N/A	Service Vehicle
Public Works - Park Maint	Light Duty Truck	CK3500 SILVERAD	Chevrolet	2004	2004	4WD	E	Y	N/A	Service Vehicle
Public Works - Sanitation	Heavy Duty Truck	7400	International Harvester	2003	2003	2WD	E	Y	N/A	Service Vehicle
Public Works - Street Clean	Heavy Duty Truck	7400	International Harvester	2003	2003	2WD	E	Y	N/A	Service Vehicle
Public Works - Park Maint	Heavy Duty Truck	4400	International Harvester	2003	2003	2WD	E	Y	N/A	Service Vehicle
Public Works - Park Maint	Light Duty Truck	Silverado 2500	Chevrolet	2003	2003	4WD	E	Y	N/A	Service Vehicle
Public Works - Off Hours	Light Duty Truck	SILVERADO 2500H	Chevrolet	2003	2003	4WD	E	Y	N/A	Service Vehicle
Public Works - Cemetery	Light Duty Truck	SILVERADO 2500H	Chevrolet	2003	2003	4WD	E	Y	N/A	Service Vehicle
Public Works - Park Maint	Light Duty Truck	SILVERADO 2500H	Chevrolet	2003	2003	4WD	E	Y	N/A	Service Vehicle
Public Works - Building Maint	Light Duty Van	CG33405	Chevrolet	2003	2003	2WD	E	Y	N/A	Utility Van
Public Works - Sanitation	Heavy Duty Truck	4900	International Harvester	2002	2002	2WD	E	Y	N/A	Service Vehicle
Public Works - Street Clean	Heavy Duty Truck	4900	International Harvester	2002	2002	2WD	E	Y	N/A	Service Vehicle
Public Works - Street Maint	Heavy Duty Truck	4900	International Harvester	2002	2002	2WD	E	Y	N/A	Service Vehicle
Public Works - Street Maint	Light Duty Truck	SILVERADO 2500H	Chevrolet	2002	2002	4WD	E	Y	N/A	Service Vehicle
Public Works - Park Maint	Light Duty Truck	CK2500HD	Chevrolet	2002	2002	4WD	E	Y	N/A	Service Vehicle
Public Works - Building Ops	Light Duty Truck	TK2500HD	Chevrolet	2002	2002	4WD	E	Y	N/A	Service Vehicle
Public Works - Sanitation	Heavy Duty Truck	4900	International Harvester	2001	2001	2WD	E	Y	N/A	Service Vehicle
Public Works - Sanitation	Heavy Duty Truck	4900	International Harvester	2001	2001	2WD	E	Y	N/A	Service Vehicle
Public Works - Sanitation	Heavy Duty Truck	4900	International Harvester	2001	2001	2WD	E	Y	N/A	Service Vehicle
Public Works - Street Maint	Heavy Duty Truck	4900	International Harvester	2001	2001	2WD	E	Y	N/A	Service Vehicle
Public Works - Street Maint	Heavy Duty Truck	4900	International Harvester	2001	2001	2WD	E	Y	N/A	Service Vehicle
Public Works - Street Maint	Heavy Duty Truck	4900	International Harvester	2001	2001	2WD	E	Y	N/A	Service Vehicle
Public Works - Sewer Maint	Heavy Duty Truck	2654	International Harvester	2001	2001	2WD	E	Y	N/A	Service Vehicle
Public Works - Sewer Maint	Heavy Duty Truck	4900	International Harvester	2001	2001	2WD	E	Y	N/A	Service Vehicle
Public Works - Street Clean	Mid Duty Truck	CK3500 4WD	Chevrolet	2001	2001	4WD	E	Y	N/A	Service Vehicle
Public Works - Street Clean	Light Duty Truck	SILVERADO 2500H	Chevrolet	2001	2001	4WD	E	Y	N/A	Service Vehicle
Public Works - Street Maint	Light Duty Truck	SILVE2500HD4WD	Chevrolet	2001	2001	4WD	E	Y	N/A	Service Vehicle
Public Works - Park Maint	Light Duty Truck	SILVERADO 2500H	Chevrolet	2001	2001	4WD	E	Y	N/A	Service Vehicle
Public Works - Park Maint	Light Duty Truck	SILVERADO 2500H	Chevrolet	2001	2001	4WD	E	Y	N/A	Service Vehicle
Public Works - Building Maint	Light Duty Van	CG31405	Chevrolet	2001	2001	2WD	E	Y	N/A	Utility Van
Public Works - Cemetery	Mid Duty Truck	CK3500 4WD	Chevrolet	1997	1997	4WD	E	Y	N/A	Service Vehicle
Public Works - Sewer Maint	Light Duty Truck	CK3500 4WD	Chevrolet	1997	1997	4WD	E	Y	N/A	Service Vehicle
Public Works	Light Duty Truck	MEDIUM DUMP - 2	Ford	1997	1997	2WD	E	Y	N/A	Service Vehicle
Public Works - Vehicle Maint	Light Duty Truck	CK3500 4WD	Chevrolet	1996	1996	4WD	E	Y	N/A	Service Vehicle
Public Works - Sanitation	Mid Duty Truck	7000	GMC	1994	1994	2WD	E	Y	N/A	Service Vehicle

Cambridge Vehicle Inventory

FY12

Department	Description	Model	Make	Model Year	Year Purchased	Drive System: 2WD, 4WD or AWD	Exempt or Non-Exempt (E or NE)	> 8,500 pounds? (Y or N)	MPG	Vehicle Function
Public Works - Park Maint	Heavy Duty Truck	4900	International Harvester	1993	1993	2WD	E	Y	N/A	Service Vehicle
Public Works - Sanitation	Heavy Duty Truck	4900	International Harvester	1991	1991	2WD	E	Y	N/A	Service Vehicle
Public Works - Cemetery	Mid Duty Truck	4600	International Harvester	1991	1991	2WD	E	Y	N/A	Service Vehicle
Public Works - Park Maint	Heavy Duty Truck	S 1954	International Harvester	1989	1989	2WD	E	Y	N/A	Service Vehicle
Public Works - Street Maint	Heavy Duty Truck	S 1954	International Harvester	1988	1988	2WD	E	Y	N/A	Service Vehicle
Public Works - Park Maint	Heavy Duty Truck	S1900	International Harvester	1988	1988	2WD	E	Y	N/A	Service Vehicle
Public Works - Street Maint	Heavy Duty Truck	S 1954	IH	1987	1987	2WD	E	Y	N/A	Service Vehicle
Public Works - Street Maint	Heavy Duty Truck	S 1954	International Harvester	1986	1986	2WD	E	Y	N/A	Service Vehicle
Public Works - Vehicle Maint	Mid Duty Truck	Gruman Olsen	Chevrolet	1977	1977	2WD	E	Y	N/A	Service Vehicle
Public Works - Admin	Electric	Volt	Chevrolet	2012	2012	2WD	NE	N	94	Administrative Vehicle
Public Works - Street Maint	Light Duty Truck	Colorado CS15653	Chevrolet	2012	2012	2WD	NE	N	21	Service Vehicle
Public Works - Sewer Maint	Light Duty Truck	Colorado CS15653	Chevrolet	2012	2012	2WD	NE	N	21	Service Vehicle
Public Works - Park Maint	Light Duty Truck	Colorado CS15653	Chevrolet	2012	2012	2WD	NE	N	21	Service Vehicle
Public Works - Admin	Hybrid	Fusion	Ford	2010	2010	2WD	NE	N	39	Administrative Vehicle
Public Works - Sewer Maint	Hybrid	Civic	Honda	2008	2008	2WD	NE	N	42	Administrative Vehicle
Public Works - Engineering	Hybrid	Camry	Toyota	2008	2008	2WD	NE	N	33	Administrative Vehicle
Public Works - Street Maint	Hybrid	SPORT UTILITY VI	Ford	2006	2006	AWD	NE	N	29	Administrative Vehicle
Public Works - Vehicle Maint	Passenger Vehicle	Crown Victoria	Ford	2004	2004	2WD	NE	N	16	Administrative Vehicle
Public Works - Building Ops	Passenger Vehicle	Crown Victoria	Ford	2003	2003	2WD	NE	N	16	Administrative Vehicle
Public Works - Building Admin	Passenger Vehicle	TAURUS 4-DOOR	Ford	2002	2002	2WD	NE	N	20	Administrative Vehicle
Public Works - Cemetery	Passenger Vehicle	TAURUS 4-DOOR	Ford	2002	2002	2WD	NE	N	20	Administrative Vehicle
Public Works - Sanitation	Light Duty Truck	S10 4-WD CT10653	Chevrolet	2002	2002	4WD	NE	N	15	Service Vehicle
Public Works - Street Clean	Light Duty Truck	S10 4-WD CT10653	Chevrolet	2002	2002	4WD	NE	N	15	Service Vehicle
Public Works - Sanitation	Light Duty Truck	S-10	Chevrolet	2002	2002	2WD	NE	N	17	Service Vehicle
Public Works - Recycling	Light Duty Truck	S-10 PICKUP	Chevrolet	2001	2001	2WD	NE	N	17	Service Vehicle
Public Works - Recycling	Van	Astro	Chevrolet	2001	2001	2WD	NE	N		Utility Van
Public Works - Building Maint	Passenger Vehicle	Lumina	Chevrolet	2000	2000	2WD	NE	N	18	Administrative Vehicle
Public Works - Sanitation	Passenger Vehicle	Lumina	Chevrolet	2000	2000	2WD	NE	N	18	Administrative Vehicle
Public Works - Sewer Maint	Passenger Vehicle	Lumina	Chevrolet	2000	2000	2WD	NE	N	18	Administrative Vehicle
Public Works - Street Maint	Light Duty Truck	S10 2WD	Chevrolet	2000	2000	2WD	NE	N	17	Service Vehicle
Public Works - Street Maint	Light Duty Truck	S10 2WD	Chevrolet	2000	2000	2WD	NE	N	17	Service Vehicle
Public Works - Sewer Maint	Light Duty Truck	S10 2WD	Chevrolet	2000	2000	2WD	NE	N	17	Service Vehicle
Public Works - Recycling	Light Duty Truck	S10 2WD	Chevrolet	2000	2000	2WD	NE	N	17	Service Vehicle
Public Works - Park Maint	Passenger Vehicle	Lumina	Chevrolet	1999	1999	2WD	NE	N	18	Administrative Vehicle
Public Works - Park Maint	Light Duty Truck	S-10	Chevrolet	1999	1999	2WD	NE	N	17	Service Vehicle
Public Works - Park Maint	Light Duty Truck	S10 2WD	Chevrolet	1999	1999	2WD	NE	N	17	Service Vehicle
Public Works - Park Maint	Light Duty Truck	S10 2WD	Chevrolet	1999	1999	2WD	NE	N	17	Service Vehicle
Public Works - Park Maint	Light Duty Truck	S10 2WD	Chevrolet	1999	1999	2WD	NE	N	17	Service Vehicle
Public Works - Building Maint	Light Duty Truck	S10 2WD	Chevrolet	1998	1998	2WD	NE	N	17	Service Vehicle
Public Works - Park Maint	Light Duty Truck	S-10	Chevrolet	1998	1998	2WD	NE	N	17	Service Vehicle
Public Works - Street Clean	Light Duty Truck	S10 2WD	Chevrolet	1996	1996	2WD	NE	N	17	Service Vehicle

SCHOOLS

Cambridge Vehicle Inventory

4/17/2013

FY12

Department	Description	Model	Make	Model Year	Year Purchased	Drive System: 2WD, 4WD or AWD	Exempt or Non-Exempt (E or NE)	> 8,500 pounds? (Y or N)	MPG	Vehicle Function
School-RSTA	Passenger Vehicle	2500 Express	Chevy	2007	2007	2WD	E	Y	N/A	Passenger Van
School-Maintenance	Light Duty Truck	F250	Ford	2006	2006	2WD	E	Y	N/A	Service Vehicle
School-Maintenance	Passenger Vehicle	Econovan 250	Ford	2006	2006	2WD	E	Y	N/A	Passenger Van
School-Maintenance	Passenger Vehicle	Econovan 250	Ford	2006	2006	2WD	E	Y	N/A	Passenger Van
School-Food Services	Passenger Vehicle	Econovan 250	Ford	2002	2002	2WD	E	Y	N/A	Passenger Van
School-Maintenance	Passenger Vehicle	Econovan 250	Ford	2002	2002	2WD	E	Y	N/A	Passenger Van
School-Maintenance	Passenger Vehicle	Econovan 250	Ford	2002	2002	2WD	E	Y	N/A	Passenger Van
School-Maintenance	Passenger Vehicle	Econovan 250	Ford	1999	1999	2WD	E	Y	N/A	Passenger Van
School-Maintenance	Passenger Vehicle	Econovan 150	Ford	1998	1998	2WD	E	Y	N/A	Passenger Van
School- Superintendent	Hybrid	Prius	Toyota	2010	2010	2WD	NE	N	50	Administrative Vehicle
School-Maintenance	Hybrid	Escape Hybrid	Ford	2009	2009	4WD	NE	N	28	Service Vehicle
School-Maintenance	Hybrid	Escape Hybrid	Ford	2008	2008	4WD	NE	N	28	Service Vehicle
School-Maintenance	Passenger Vehicle	Freestar	Ford	2004	2004	2WD	NE	N	18	Service Vehicle
School-RSTA	Passenger Vehicle	Taurus	Ford	2002	2002	2WD	NE	N	21	Administrative Vehicle
School-RSTA	Passenger Vehicle	Taurus	Ford	1999	1999	2WD	NE	N	13	Administrative Vehicle
School-RSTA	Passenger Vehicle	Camry	Toyota	1994	1994	2WD	NE	N	19	Administrative Vehicle
TRAFFIC & PARKING										
Traffic & Parking	Light Duty Truck	Silverado 2500 4wd	Chevrolet	2010	2010	4WD	E	Y	N/A	Service Vehicle
Traffic & Parking	Light Duty Truck	Silverado 2500 4wd	Chevrolet	2010	2010	4WD	E	Y	N/A	Service Vehicle
Traffic & Parking	Light Duty Truck	Silverado 2500 2wd	Chevrolet	2006	2006	2WD	E	Y	N/A	Service Vehicle
Traffic & Parking	Light Duty Truck	CK3500	Chevrolet	2005	2005	4WD	E	Y	N/A	Service Vehicle
Traffic & Parking	Light Duty Truck	Silverado 2500 4wd	Chevrolet	2005	2005	4WD	E	Y	N/A	Service Vehicle
Traffic & Parking	Van	Express	Chevrolet	2011	2011	2WD	E	Y	N/A	Utility Van
Traffic & Parking	Light Duty Truck	CK3500 SILVERAD	Chevrolet	2003	2003	4WD	E	Y	N/A	Service Vehicle
Traffic & Parking	Hybrid	Prius	Toyota	2011	2011	2WD	NE	N	50	Administrative Vehicle
Traffic & Parking	SUV	Escape	Ford	2011	2011	4WD	NE	N	22	Service Vehicle
Traffic & Parking	Hybrid	Prius	Toyota	2008	2008	2WD	NE	N	46	Administrative Vehicle
Traffic & Parking	Light Duty Truck	Colorado	Chevrolet	2008	2008	4WD	NE	N	18	Service Vehicle
Traffic & Parking	Light Duty Truck	Escape	Ford	2008	2008	4WD	NE	N	20	Service Vehicle
Traffic & Parking	Light Duty Truck	Colorado	Chevrolet	2007	2007	4WD	NE	N	18	Service Vehicle
Traffic & Parking	Light Duty Truck	Colorado	Chevrolet	2006	2006	4WD	NE	N	16	Service Vehicle
Traffic & Parking	SUV	Trail Blazer	Chevrolet	2005	2005	4WD	NE	N	16	Service Vehicle
Traffic & Parking	Light Duty Truck	S10 2WD	Chevrolet	2003	2003	2WD	NE	N	19	Service Vehicle
Traffic & Parking	Light Duty Truck	S10 2WD	Chevrolet	2002	2002	2WD	NE	N	17	Service Vehicle
Traffic & Parking	Light Duty Truck	S10 2WD	Chevrolet	2002	2002	2WD	NE	N	17	Service Vehicle
WATER										
Water	Light Duty Truck	Aeromar	Freightliner	2011	2011	2WD	E	Y	N/A	Service Vehicle
Water	Light Duty Truck	F350	Ford	2009	2009	4WD	E	Y	N/A	Service Vehicle
Water	Light Duty Truck	F350	Ford	2008	2008	2WD	E	Y	N/A	Service Vehicle
Water	Heavy Duty Truck	700SER	International Harvester	2007	2007	2WD	E	Y	N/A	Service Vehicle
Water	Light Duty Truck	C2500	Chevrolet	2007	2007	2WD	E	Y	N/A	Service Vehicle
Water	Light Duty Truck	E150 VAN	Ford	2006	2006	2WD	E	Y	13	Utility Van

**Cambridge Vehicle Inventory
FY12**

4/17/2013

Department	Description	Model	Make	Model Year	Year Purchased	Drive System: 2WD, 4WD or AWD	Exempt or Non- Exempt (E or NE)	> 8,500 pounds? (Y or N)	MPG	Vehicle Function
Water	Light Duty Truck	F350	Ford	2006	2006	4WD	E	Y	N/A	Service Vehicle
Water	Light Duty Truck	F250	Ford	2004	2004	2WD	E	Y	N/A	Service Vehicle
Water	Light Duty Truck	F250	Ford	2004	2004	2WD	E	Y	N/A	Service Vehicle
Water	Light Duty Truck	C2500	Chevrolet	2003	2003	4WD	E	Y	N/A	Service Vehicle
Water	Light Duty Truck	C2500	Chevrolet	2001	2001	2WD	E	Y	N/A	Service Vehicle
Water	Light Duty Truck	Silverado 2500 2wd	Chevrolet	2001	2001	2WD	E	Y	N/A	Service Vehicle
Water	Heavy Duty Truck	400SER	International Harvester	1997	1997	2WD	E	Y	N/A	Service Vehicle
Water	Heavy Duty Truck	400SER	International Harvester	1995	1995	2WD	E	Y	N/A	Service Vehicle
Water	Hybrid	Fusion	Ford	2011	2011	2WD	NE	N	40	Administrative Vehicle
Water	Hybrid	Prius	Toyota	2010	2010	2WD	NE	N	50	Administrative Vehicle
Water	Hybrid	Prius	Toyota	2010	2010	2WD	NE	N	50	Administrative Vehicle
Water	Hybrid	Prius	Toyota	2009	2009	2WD	NE	N	46	Administrative Vehicle
Water	Light Duty Truck	F150	Ford	2008	2008	4WD	NE	N	14	Service Vehicle
Water	Hybrid	Camry	Toyota	2007	2007	2WD	NE	N	33	Administrative Vehicle
Water	Hybrid	Camry	Toyota	2007	2007	2WD	NE	N	33	Administrative Vehicle
Water	Light Duty Truck	F150	Ford	2005	2005	4WD	NE	N	14	Service Vehicle
Water	Light Duty Truck	F150	Ford	2004	2004	4WD	NE	N	15	Service Vehicle
Water	Light Duty Truck	Ranger	Ford	2004	2004	2WD	NE	N	21	Service Vehicle
Water	Light Duty Truck	S10 4WD	Chevrolet	2002	2002	4WD	NE	N	17	Service Vehicle

WEIGHTS AND MEASURES

Weights & Measures	Light Duty Truck	CTK2500	GMC	2000	2000	4WD	E	Y	N/A	Service Vehicle
--------------------	------------------	---------	-----	------	------	-----	---	---	-----	-----------------

*Vehicles highlighted in **RED** are exempt; vehicles listed in **BLACK** are non-exempt. New vehicles are **BOLDED**. Vehicles mistakenly omitted from last year's municipal fleet inventory are *ITALICIZED*.

Cambridge Vehicle Technologies and Programs

MUNICIPAL FLEET

Over the past year Cambridge has made several changes to the municipal fleet. Below is a list of significant changes:

Non-exempt

- Two 2012 Chevrolet Volts were added to the fleet, replacing one 1997 Chevrolet Lumina and one 2000 Ford Crown Vic
- Three 2012 Chevrolet Colorado CS15653 were added to the fleet, replacing one 2000 Chevrolet S10 2WD, and one 1996 Chevrolet S10 2WD, and one 1999 Chevrolet S10 2WD
- Five 2012 Ford Hybrid Fusions were added to the fleet, replacing three 2003 Ford Crown Vic and two 2000 Ford Crown Vic
- 1998 Ford Taurus was removed from the fleet
- 1994 Ford Ranger was removed from the fleet

Exempt

- One 2012 Ford Transit Connect and one 1998 Ford E250 were added to the fleet
- Three 2012 Ford Taurus were added to the fleet, replacing two 2000 Ford Crown Vic and one 200 Ford Taurus
- 2011 Ford F350 was added to the fleet, replacing one 2001 Ford F250
- 2011 Ford E450 was added to the fleet, replacing one 1999 Honda Odyssey
- Seven 2009 BMW 1150RT motorcycles were added to the fleet, replacing seven 2005 BMW 1150RT
- Two 2012 Freightliner M2106V were added to the fleet, replacing one 1998 International H S1654 and one 1990 International H 4600
- 2010 Ford F350 was added to the fleet, replacing one 1994 Chevrolet CK3500 4WD
- 2002 Mercedes Benz Sprinter was removed from the fleet
- 1999 Ford Crown Vic was removed from the fleet

ELECTRIC VEHICLE CHARGING STATIONS

The City of Cambridge received grant support from the Massachusetts Department of Energy Resources to facilitate the installation of 10 electric vehicle charging stations throughout the city in an effort to begin establishing an EV recharging network. Three stations were installed by the City on municipal property, including the Public Works parking lot, Lot 5 parking facility on Bishop Allen Drive, and the First Street Garage, and are capable of charging a total of five vehicles. The remaining seven stations were installed by businesses and private institutions primarily at parking facilities that serve retail customers and corporate employees. All of the locations are open to the general public. In some cases the facilities charge for general parking and may charge for use of the EV charging station. An additional charging station was installed by the City at City Hall to support the Mayor's vehicle.

WATER DEPARTMENT UTILITY SERVICE VEHICLE

The Cambridge Water Department utility service vehicle is a customized utility truck equipped with a 6.7L heavy duty diesel engine with near zero emissions, which runs very quietly, can use bio-diesel or ultra low sulfur diesel fuel and exceeds the EPA 2010 diesel emissions standards. Diesel engines are up to 40% more efficient than gasoline engines. This vehicle also has centralized hydraulics, a compressor and an electrical generator built in. This will eliminate the need to have up to three separate engines running during water main repair and installation. The design of the vehicle allows the department to transport all potential tools and supplies to a jobsite, significantly reducing the need for return trips back to the facility during water main and emergency repair work.

CITYSMART

The City's municipal employee commuter benefits program, CitySmart, connects City employees with information and resources to get around without getting behind the wheel. Almost 600 employees have taken advantage of a variety of sustainable transportation programs such as the MBTA pass subsidy, free Hubway membership, and free EZRide passes, as well as resources such as downloadable walking routes and bike safety workshops.