



City of Marlborough Conservation Commission

140 Main Street
Marlborough, Massachusetts 01752
Tel. (508) 460-3768 Facsimile (508) 460-3747

Edward Clancy – Chairman
Dennis Demers
Michele Higgins
Lawrence Roy
John Skarin
Allan White
David Williams
Priscilla Ryder Conservation Officer

MEMORANDUM

To: Councilor Delano
From: Priscilla Ryder
Date: April 9, 2013
RE: Green Communities Fuel Efficient Vehicle Policy amendment

As part of our annual reporting to the Green Communities program, we have been asked to amend our City of Marlborough Fuel Efficient Vehicle Policy, which was passed in 2010. As you may recall, to become a Green Community the City needed to have in place five criteria to be eligible. Criteria 4 required that the city have a policy to only purchase fuel efficient vehicles to meet this goal. This only applies to administrative vehicles not our “workhorse vehicles” such as DPW work trucks or Fire Engines or Police Cruisers. Now the Green Communities program, because of the changing nature of vehicles available, has required a minor change to the policy. Instead of including the actual list of what vehicle “Miles per Gallon” MPG rating is required; **the new language simply references the most recent Green Communities Division Criteria 4 as outlined on the DOER website which must be consulted before a vehicle is purchased.**

The new policy language was provided to you by the Mayor. I’ve attached the highlighted sections to indicate the section of the policy that is changed. I also attached the 2010 approved language so you can compare the two. Let me know if you need any additional information on this.

Thank you!

Green Communities

Criteria # 4- City of Marlborough Fuel Efficient Vehicle Policy

Attached to meet this criteria please find:

1. Fuel Efficient Vehicle Policy adopted and signed by both the Mayor and the Superintendent of Schools. (Approval letters from Superintendent of Schools on behalf of School Committee and from Mayor are included in Criteria #3)
2. Inventory of the non-exempt vehicles owned by the City of Marlborough

City of Marlborough/ Marlborough Public Schools
FUEL EFFICIENT VEHICLE POLICY

POLICY STATEMENT

In an effort to reduce the City of Marlborough's fuel consumption and energy costs over the next 5 years the City hereby adopts a policy to purchase only fuel efficient vehicles to meet this goal.

PURPOSE

To establish a requirement that the City of Marlborough purchase only fuel efficient vehicles for municipal/school use whenever such vehicles are commercially available and practicable.

APPLICABILITY

This policy applies to all divisions and departments of the City of Marlborough.

GUIDELINES

All departments / divisions shall purchase only fuel-efficient vehicles for municipal use whenever such vehicles are commercially available and practicable.

The City of Marlborough will maintain an annual vehicle inventory for non-exempt vehicles and a plan for replacing these vehicles with vehicles that meet the fuel efficiency ratings below. Based on the most recently published US Environmental Protection Agency data on fuel efficient vehicles, vehicles are to have a combined city and highway MPG no less than the following:

2 wheel drive car: 29 MPG

4 wheel drive car: 24 MPG

2 wheel drive small pick-up truck: 20 MPG

4 wheel drive small pick-up truck: 18 MPG

2 wheel drive standard pick-up truck: 17 MPG

4 wheel drive standard pick-up truck: 16 MPG

Exemptions

Heavy-duty vehicles such as fire-trucks, ambulances, and public works trucks are exempt from this criterion

Police cruisers are exempt from this criterion. However, municipalities must commit to purchasing fuel efficient cruisers when they become commercially available. Police department administrative vehicles must meet fuel efficient requirements

DEFINITIONS

Combined city and highway MPG (EPA Combined fuel economy): Combined Fuel Economy means the fuel economy from driving a combination of 43% city and 57% highway miles and is calculated as follows: $=1/((0.43/\text{City MPG})+(0.57/\text{highway MPG}))$

Drive System: The manner in which mechanical power is directly transmitted from the drive shaft to the wheels. The following codes are used in the drive field:

AWD = All Wheel Drive: four-wheel drive automatically controlled by the vehicle powertrain system

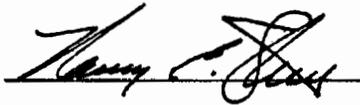
4WD = 4-Wheel Drive: driver selectable four-wheel drive with 2-wheel drive option

2WD = 2-Wheel Drive

Heavy-duty truck: A vehicle with a manufacturer's gross vehicle weight rating (GVWR) of more than 8,500 pounds.

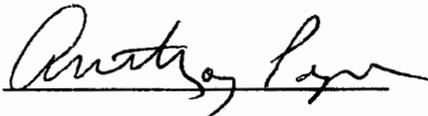
FUEL EFFICIENT VEHICLE REPLACEMENT PLAN

The city shall develop a plan to replace all non-exempt vehicles with fuel efficient vehicles as defined above. Said plan shall outline the process by which the city will replace vehicles, set goals for when the existing fleet will be replaced and review said plan on an annual basis.



Nancy E. Stevens

Mayor



Anthony Pope ED. D.

Superintendent of Schools

Effective Date: 11-16-2010

Fleet inventory attached.

City of Marlborough Vehicle Inventory of non-exempt vehicles

ID #	Model / Description	Make	Model Year	Year Purchased	Drive System	Weight Class	MPG ¹	Annual Miles Driven	Total Fuel Consumption	Vehicle Function
<i>City of Marlborough</i>										
1.	Crown Victoria.	Ford	1999	1999	Automatic	1	18	32,425 miles	*	Administration
2.	Explorer	Ford	2000	2000	Automatic	1	16	95,132		Administration
29.	F150	Ford	2003	2003	Automatic	2	16	64,023		Street
37	F150	Ford	2004	2004	Automatic	2	16	58,730		Fleet Maintenance
50	F150	Ford	1999	1999	Automatic	2	15	147,555		Water/Sewer
58	F150	Ford	1999	1999	Automatic	2	15	167,400		Water/Sewer
61	E150	Ford	1993	1993	Automatic	1	15	92,560		Water/Sewer
63	Prius	Toyota	2002	2002	Automatic	1	41	88,039		Water/Sewer
64	Windstar	Ford	2001	2001	Automatic	1	18	99,999		Water/Sewer
68	E150	Ford	1999	1999	Automatic	2	-	77,752		Water/Sewer
70	F150	Ford	1999	1999	Automatic	2	15	89,360		ForestryParksCemeter
80	Taurus	Ford	2001	2001	Automatic	1	20	64,387		Engineering
81	F150	Ford	2000	2000	Automatic	2	16	120,125		Engineering
82	F150	Ford	2007	2007	Automatic	2	16	8,092		Engineering
88	Windstar	Ford	2000	2000	Automatic	1	18	45,600		Engineering

NOTES: Departments/Divisions may use EPA combined MPG estimates or actual combined MPG. Inventory is for non-exempt vehicles only. Exempt vehicles include: 1) Heavy-duty vehicles such as fire-trucks, ambulances, and public works trucks 2) Police cruisers are exempt from this criterion. However, municipalities must commit to purchasing fuel efficient cruisers when they become commercially available. Police department administrative vehicles must meet fuel efficient requirements.

1. Includes combined City and Highway MPG calculated as: $=1/((0.43/City\ MPG)+(0.57/Highway\ MPG))$

City of Marlborough Vehicle Inventory of non-exempt vehicles

ID #	Model / Description	Make	Model Year	Year Purchased	Drive System	Weight Class	MPG ¹	Annual Miles Driven	Total Fuel Consumption	Vehicle Function
100.	Escape	Ford	2008	2008	Automatic	1	28	7,084		Administration
102.	Lumina	Chevrolet	1999	1999	Automatic	1	21	63,323		Administration
103.	Taurus	Ford	1998	2007used	Automatic	1	20	145,615		Administration
110.	Ranger	Ford	1994	1994	Automatic	1	16	69,100		Inspectional Service
115.	Ranger	Ford	2008	2008	Automatic	1	15	2,912		Inspectional Service
201.	F150	Ford	2002	2002	Automatic	2	15	69,124		ForestryParksCemeter
202.	F150	Ford	2003	2003	Automatic	2	16	57,501		ForestryParksCemeter
209.	Ranger	Ford	2003	2003	Automatic	1	16	21,629		ForestryParksCemeter
309.	F150	Ford	1998	1998	Automatic	2	16	99,038		Public Facilities
310.	E150	Ford	2001	2001	Automatic	1	15	37,846		School
VET1.	Crown Vic.	Ford	1995	1995	Automatic	1	18	74,770		Administration
A-1	Explorer	Ford	2008	2008	Automatic	2	16	16,991		Administrative
A-2	Taurus	Ford	2001	2001	Automatic	1	20	47,933		Administrative
A-3	Crown Vic.	Ford	2001	2001	Automatic	1	18	72,625		Administrative
A-4	Taurus	Ford	2001	2001	Automatic	1	20	25,518		Administrative
A-5	Explorer	Ford	2000	2000	Automatic	2	16	96,620		Administrative

NOTES: Departments/Divisions may use EPA combined MPG estimates or actual combined MPG. Inventory is for non-exempt vehicles only. Exempt vehicles include: 1) Heavy-duty vehicles such as fire-trucks, ambulances, and public works trucks 2) Police cruisers are exempt from this criterion. However, municipalities must commit to purchasing fuel efficient cruisers when they become commercially available. Police department administrative vehicles must meet fuel efficient requirements.

1. Includes combined City and Highway MPG calculated as: $=1/((0.43/City\ MPG)+(0.57/Highway\ MPG))$



City of Marlborough Vehicle Inventory of non-exempt vehicles

ID #	Model / Description	Make	Model Year	Year Purchased	Drive System	Weight Class	MPG ¹	Annual Miles Driven	Total Fuel Consumption	Vehicle Function
C-1	Fusion	Ford	2008	2008	Automatic	1	23	15,224		Community Service
C-2	Taurus	Ford	1999	1999	Automatic	1	20	47,585		Community Service
C-3	Taurus	Ford	2000	2000	Automatic	1	20	66,039		Community Service

The city maintains and owns 146 vehicles within all of its departments. Of those 34 vehicles fall within the non-exempt category are listed above.

- The city has already owns two vehicles which meet the new efficiency standards, these are the Toyota Prius and the Ford Escape 4WD

***Total Fuel Consumption by vehicle was not data available at this time. The City Fleet Maintenance Division will develop a tracking system to track fuel use by vehicle for future reporting and tracking.**

NOTES: Departments/Divisions may use EPA combined MPG estimates or actual combined MPG. Inventory is for non-exempt vehicles only. Exempt vehicles include: 1) Heavy-duty vehicles such as fire-trucks, ambulances, and public works trucks 2) Police cruisers are exempt from this criterion. However, municipalities must commit to purchasing fuel efficient cruisers when they become commercially available. Police department administrative vehicles must meet fuel efficient requirements.

1. Includes combined City and Highway MPG calculated as: $=1/((0.43/City\ MPG)+(0.57/Highway\ MPG))$

Draft 11-19-12

City of Marlborough
FUEL EFFICIENT VEHICLE POLICY

POLICY STATEMENT

In an effort to reduce the City of Marlborough's fuel consumption and energy costs over the next 5 years the City hereby adopts a policy to purchase only fuel efficient vehicles to meet this goal.

PURPOSE

To establish a requirement that the City of Marlborough purchase only fuel efficient vehicles for municipal/school use whenever such vehicles are commercially available and practicable.

APPLICABILITY

This policy applies to all divisions and departments of the City of Marlborough.

GUIDELINES

All departments / divisions shall purchase only fuel-efficient vehicles for municipal use whenever such vehicles are commercially available and practicable.

The City of Marlborough will maintain an annual vehicle inventory for ALL vehicles and a plan for replacing non-exempt vehicles with vehicles that meet, at a minimum, the fuel efficiency ratings contained in the most recent guidance for Criteria 4 published by the MA Department of Energy Resources' Green Communities Division. This Green Communities' Guidance for Criteria 4 must be checked for updates prior to ordering replacement vehicles; go to: <http://www.mass.gov/eea/docs/doer/green-communities/grant-program/gc-criterion4-guidance.pdf>.

Exemptions

Heavy-duty vehicles such as fire-trucks, ambulances, and public works trucks are exempt from this criterion

Police cruisers are exempt from this criterion. However, municipalities must commit to purchasing fuel efficient cruisers when they become commercially available. Police department administrative vehicles must meet fuel efficient requirements

DEFINITIONS

Combined city and highway MPG (EPA Combined fuel economy): Combined Fuel Economy means the fuel economy from driving a combination of 43% city and 57% highway miles and is calculated as follows: $=1/((0.43/City\ MPG)+(0.57/highway\ MPG))$

Drive System: The manner in which mechanical power is directly transmitted from the drive shaft to the wheels. The following codes are used in the drive field:

AWD = All Wheel Drive: four-wheel drive automatically controlled by the vehicle powertrain system

4WD = 4-Wheel Drive: driver selectable four-wheel drive with 2-wheel drive option

2WD = 2-Wheel Drive

Heavy-duty truck: A vehicle with a manufacturer's gross vehicle weight rating (GVWR) of more than 8,500 pounds.

Arthur G. Vigeant, Mayor

Stephen Dlott

Interim Superintendent of Schools

Effective Date: _____

(Attach fleet inventory)

Attach most current Criteria 4 guidance as of 11-8- 2012

<http://www.mass.gov/eea/docs/doer/green-communities/grant-program/gc-criterion4-guidance.pdf>

The Specific criteria for energy efficiency vehicle dated 3-5-12 is as follows

In addition, the municipality is required to develop and maintain a vehicle inventory for all vehicles, both exempt and non-exempt. A plan for replacing non-exempt vehicles with vehicles that meet the fuel efficiency ratings below must also be developed and maintained. This inventory of all vehicles and replacement plan for non-exempt vehicles must include school vehicles. The fuel efficiency ratings are set to ensure that at least 5 or more automatic transmission models of mass production are available for sale in Massachusetts (all from affordable brands; no luxury brands). Based on 2010 EPA data, vehicles are to have a combined city and highway MPG no less than the following:

2 wheel drive car: 29 MPG

4 wheel drive car: 24 MPG

2 wheel drive small pick-up truck: 21 MPG

4 wheel drive small pick-up truck: 19 MPG

2 wheel drive standard pick-up truck: 17 MPG

4 wheel drive standard pick-up truck: 16 MPG

2 wheel drive sport utility vehicle: 21 MPG

4 wheel drive sport utility vehicle: 18 MPG

Hybrid or electric vehicles in these vehicle classes will meet these criteria

To inform your purchasing decisions, information on makes and models of vehicles including fuel economy comparisons can be found at: <http://www.fueleconomy.gov/>