



TOWN OF DUXBURY

MUNICIPAL SERVICES DEPARTMENT
TOWN OFFICES
878 TREMONT STREET
DUXBURY, MASSACHUSETTS 02332-4499

SCOTT J. LAMBIASE
Director of Municipal Services

Telephone (781) 934-1100
Fax (781) 934-1118

FUEL EFFICIENT VEHICLE POLICY

PURPOSE

The Purpose of this policy is to establish a requirement that the Town of Duxbury and Duxbury School District purchase only fuel efficient vehicles for municipal/school use whenever such vehicles are commercially available and practicable.

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

POLICY STATEMENT

In an effort to reduce the Town of Duxbury's fuel consumption and energy costs the Board of Selectmen hereby adopts a policy to purchase only fuel efficient vehicles to meet this goal.

APPLICABILITY

This policy applies to all divisions and departments of the Town of Duxbury with the inclusion of the Duxbury School District.

GUIDELINES

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

- 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

The Town of Duxbury will maintain an annual vehicle inventory for non-exempt vehicles and a plan for replacing these 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. The fuel efficiency ratings contained therein are based on the most recently published US Environmental Protection Agency combined city and highway MPG ratings for vehicles.

This Green Communities' Guidance for Criteria 4 must be checked for updates prior to ordering replacement vehicles.

EXEMPTIONS

Heavy-duty vehicles are exempt. Examples include fire-trucks, ambulances, and some public works trucks that meet the definition of heavy-duty vehicle.

Police cruisers, passenger vans, and cargo vans are exempt from this criterion as fuel efficient models are not currently available. However, the Town of Duxbury commits to purchasing fuel efficient police cruisers, passenger vans, and cargo vans when they become commercially available. Police and fire department administrative vehicles are NOT exempt and must meet fuel efficient requirements.

INVENTORY

The following information shall be included in a vehicle inventory list and said list shall be updated on an annual basis:

Model	Make	Model Year	Year Purchased	Drive System (2WD, 4WD, or AWD)	Weight Class (>8,500 Pounds)	MPG	Exempt Or Non-exempt	Vehicle Function

NOTE: Departments/Divisions may use EPA combined MPG estimates or actual combined MPG.

ANTI-IDLING POLICY

No employee of the Town of Duxbury shall allow operation of the engine of a motor vehicle while said vehicle is stopped for a foreseeable period of time in excess of five minutes, unless such operation is necessary.

FUEL EFFICIENT VEHICLE REPLACEMENT PLAN

The Town of Duxbury 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 Town of Duxbury will replace vehicles, set goals for when the existing fleet will be replaced, and review said plan on an annual basis. Vehicles shall be replaced when they are no longer operable and will not be recycled from one municipal department to another unless the recycled replacement vehicle meets the fuel efficiency ratings outlined in this Policy. As stated in this Policy, police cruisers are currently exempt from this provision, but new police cruisers shall meet fuel efficiency ratings when fuel efficient cruisers become commercially available.

QUESTIONS/ENFORCEMENT

All other inquiries should be directed to the department/division responsible for fleet management and/or fleet procurement. This policy is enforced by the **Board of Selectmen** and/or their designee(s).

Adopted by the Board of Selectmen on October 16, 2017

Adopted by the School Committee on October 19, 2017

Town of Duxbury, Massachusetts

OFFICE OF THE BOARD OF SELECTMEN AND TOWN MANAGER



October 17, 2017

Mr. Seth Pickering
Green Communities Regional Coordinator
Mass DOER C/O Mass DEP
20 Riverside Drive
Lakeville, MA 02346

*Re: Green Community Application - Criterion 3 Energy Reduction Plan and
Criterion 4 Purchasing Policy for Fuel Efficient Vehicles*

Dear Mr. Pickering:

Duxbury's Board of Selectmen met on October 2 and October 16, 2017 and, as part of the agenda at these public meetings, reviewed and considered both the Energy Reduction Plan and the Fuel Efficient Vehicle Policy being proposed by the Town of Duxbury as part of our Green Community Application.

The Board of Selectmen endorsed and adopted this Energy Reduction Plan and this Fuel Efficient Vehicle Policy at the October 16, 2017 meeting and has authorized me to submit the plan and policy as part of Duxbury's Green Community Application.

We look forward to working with the Department of Energy Resources as we move forward with energy reduction plan implementation and other Green Community activities.

Sincerely,

René J. Read
Town Manager

cc: Megan Aki, MAPC, Energy Analyst | Clean Energy Department
Valerie Massard, Duxbury Planning Director
Scott Lambiase, Duxbury Director of Inspectional Services
John Antonucci, Duxbury Superintendent of Schools
Brian Cherry, Duxbury Facilities Director
Barbara Bartlett, Duxbury Energy/Special Projects Manager



DUXBURY PUBLIC SCHOOLS

Duxbury Public Schools
93 Chandler Street, Duxbury, Massachusetts 02332
Tel: (781) 934-7600 • Fax: (781) 934-7644
District website • www.duxbury.k12.ma.us
Twitter: @duxbury_ps • Facebook: Duxbury Public Schools

October 19, 2017

MA Department of Energy Resources
Green Communities Division
100 Cambridge Street – Suite 1040
Boston, MA 02114

Dear MA Department of Energy Resources,

Please be advised that the Duxbury School Committee hereby adopted the attached Fuel Efficiency Vehicle Policy.

Sincerely,

John J. Antonucci
Superintendent of Schools