

APPENDIX F – FUEL-EFFICIENT VEHICLE REPLACEMENT PLAN



I. TOWN OF BEDFORD

DEPARTMENT OF PUBLIC WORKS

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1. BEDFORD FUEL EFFICIENT VEHICLE POLICY

Town of Bedford - All Departments

Effective Date	5/02/2011
Revisions	
Approval Date	Selectmen 05/02/2011 & School Committee 4/26/2011
Effective Date	

POLICY STATEMENT

The Town of Bedford Selectmen and School Committee, in an effort to achieve long range energy efficiency, hereby adopt the Bedford Fuel Efficient Vehicle¹ Policy which will result in reduced fuel consumption, energy costs and carbon emissions. Under the policy, Fuel Efficient Vehicles will be purchased for all Town and School departments and divisions when they are available and financially viable and meet the operational needs of the Town departments.

¹See Guidelines section for definition of Fuel Efficient Vehicles.

APPLICABILITY

This policy applies to all Town and School divisions and departments of the Town of Bedford.

GUIDELINES

As of April 1, 2010, Fuel Efficient Vehicles are defined by the US Environmental Protection Agency as having 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 SUV: 21 MPG
- 4 wheel drive SUV: 18 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

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

The Department of Public Works will maintain a vehicle inventory list for non-exempt vehicles, updated on an annual basis, and shall develop a plan for replacing these vehicles with vehicles that meet the minimum combined MPG requirements of the Green Communities Program.

See Appendix for current inventory.

The EPA maintains a database on vehicle fuel efficiency that is updated occasionally throughout the year, as new models are released. As increasing numbers of fuel efficient vehicle models are released, the minimum combined MPG requirements of the Green Communities Program may be revised. This policy may be updated from time to time to reflect any changes to the MPG requirements. The latest fuel efficiency MPG ratings are available through Massachusetts Department of Energy Resources Green Communities Program.

FUEL EFFICIENT VEHICLE REPLACEMENT PLAN

The Town of Bedford, under this policy, requires the Department of Public Works to develop a multiyear year plan to replace non-exempt vehicles with fuel efficient vehicles as these vehicles are removed from service. The annual Capital Expenditures Budget is the process that will be used to replace vehicles, and set goals for when the existing fleet will be replaced.

QUESTIONS / ENFORCEMENT

All Town and School vehicle purchases must be approved by the Director of Public Works to ensure compliance with this policy. The policy will be enforced by the Town Manager with the assistance of the Director of Public Works.

DEFINITIONS

Combined city and highway MPG (EPA Combined fuel economy): The EPA combined fuel economy MPG ratings can be found on the United States Department of Energy Efficiency and Renewable Energy website www.fueleconomy.gov

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. By definition, all trucks over ½ ton are exempt from this policy.

Vehicle Exemptions:

- Heavy-duty vehicles such as fire-trucks, ambulances, and public works trucks over ½ ton 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.
- This policy does not apply to other equipment, such as backhoes, front-end loaders, sidewalk plows, lawn mowers, etc.

RELATED INFORMATION:

United States Environmental Protection Agency, Green Vehicle Guide

- <http://tiny.cc/greenEPA>

Massachusetts Department of Energy Resources, Green Communities Fuel Efficient Vehicles Criteria

- http://www.mass.gov/Eoeea/docs/doer/green_communities/grant_program/GC-Guide-Criterion4-Feb22-2

Department of Public Works
"Green Communities"

Dept.	Vehicle	MODEL YEAR	MAKE & MODEL	MPG	Green Communities MPG	COMPLIANCE	POTENTIAL REPLACEMENT VEHICLE	PROJECTED MPG
DPW	PW-1	2007	Ford 500	19	24	NO	Ford Fusion Hybrid FWD	39
DPW	PW-2	1999	Ford C.V.(Used)	18	29	NO	Toyota Prius	50
DPW	E-1	2002	Ford Taurus (Used)	21	29	NO	Ford Fusion Hybrid FWD	39
DPW	G-1	2009	Ford 4x4 Extended Cab	16	16	YES	Ford F-150 Pick Up 4WD	16
DPW	H-1	2007	Ford 4x4 Extended Cab	16	16	YES	Ford F-150 Pick Up 4WD	16
DPW	W-1	2008	Toyota Prius	46	29	YES	Toyota Prius	50
DPW	W-4	2003	Ford C.V.(Used)	16	29	NO	Ford Fusion Hybrid FWD	39
FACILITIES	B-6	2007	Ford F150 PU	15	16	NO	Ford F-150 Pick Up 4WD	16
CODE	BD-1	2009	Ford Taurus	19	24	NO	Ford Fusion Hybrid FWD	39
CODE	BD-2	2000	Ford Taurus	20	29	NO	Ford Fusion Hybrid FWD	39
FIRE	C-1	2009	Ford Taurus	19	24	NO	Chevrolet Tahoe 1500 4WD	17
FIRE	C-2	2008	Ford Expedition	14	16	NO	Chevrolet Tahoe 1500 4WD	17
FIRE	C-3	2003	Ford Explorer	15	18	NO	Ford Escape 4WD	20
POLICE	P-1	2008	Ford Explorer	15	18	NO	Chevrolet Tahoe 1500 4WD	17
POLICE	P-6	2008	Ford Taurus	19	24	NO	Ford Fusion Hybrid FWD	39
POLICE	P-7	2008	Ford Taurus	19	24	NO	Ford Fusion Hybrid FWD	39
POLICE	P-9	2000	Ford Taurus	20	29	NO	Ford Fusion Hybrid FWD	39
POLICE	P-10	2008	Ford C.V.	18	29	NO	Ford Escape 4WD	20
POLICE	P-12	2010	Ford Fusion	39	29	YES	Ford Fusion Hybrid FWD	39
POLICE	P-13	1997	Chevrolet Tahoe	14	16	NO	Chevrolet Tahoe 1500 4WD	17
Town Mgr.	T.M.	2006	Ford 500	19	24	NO	Ford Fusion Hybrid FWD	39

Non-Exempt Vehicles