

Monterey Alternative Compliance Fuel Efficient Vehicle Policy

FEVP Effective Date	
Date of Board of Selectmen Approval	6/16/21

INTRODUCTION

Criterion Four of the Green Communities Program states that a Green Community must purchase fuel efficient vehicles for municipal use, including schools, whenever such vehicles are commercially available and practicable. *(city/town/school district/other local entity name)* currently owns 6 on-road vehicles and 19 vehicles total (on-road and off-road) for municipal use. All vehicles fall into the exempt status according to the Green Community's Criterion 4 guidance. Monterey has adopted this Fuel Efficient Vehicle Policy (FEVP) to purchase the most fuel efficient vehicles for all departments/divisions whenever they become commercially available.

This policy is established to reduce the consumption of fossil fuels, which in turn will have a positive impact on the environment and save tax dollars. Under this policy Monterey hereby establishes a monitoring system to help facilitate the municipality's reduction in vehicle consumption. Monterey will establish and oversee the monitoring system in conjunction with the town and school officials and staff as appropriate.

ALTERNATIVE COMPLIANCE

Monterey has all exempt vehicles (see attachment A, vehicle inventory). Therefore, Monterey is seeking Alternative Compliance for Criterion 4 based on the following actions ***(must select at least two)***:

- 1) The annual miles driven (or hours used) and total fuel consumption will be determined starting in the municipal fiscal years of 2020, beginning on July 1, 2019. Monterey will review this information in September of each year for potential ways to reduce consumption, including: reducing vehicle miles traveled, replacing exempt vehicles with fuel efficient non-exempt vehicles, replacing exempt vehicles with more efficient exempt vehicles.
- 2) Monterey has adopted an anti-idling policy, in accordance with MGL chapter 90, Section 16A (see Attachment B) applicable to all municipal vehicles to reduce vehicle fuel consumption and emissions. All town employees who drive municipal vehicles have been given this policy.

POLICY STATEMENT

In an effort to reduce Monterey's fuel consumption and energy costs, Monterey hereby adopts this policy to purchase the most fuel-efficient vehicles to meet this goal.

APPLICABILITY

This policy applies to all divisions and departments of Monterey.

GUIDELINES

All departments/divisions will purchase the most fuel efficient vehicles for municipal use (including police, fire and highway) whenever such vehicles are commercially available and practicable.

Monterey will maintain an annual vehicle inventory for all vehicles and a plan for acquiring any non-exempt vehicles that meet, at a minimum, the fuel efficiency ratings contained in the most recent guidance for Criterion 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. The most recent Green Communities Guidance for Criterion 4 will be checked for updates prior to ordering replacement vehicles.

Exemptions

- Heavy-duty vehicles: examples include fire-trucks, ambulances, and some public works trucks that meet the definition of heavy-duty vehicle.
- As of the adoption date (above) police cruisers are exempt from this criterion due to lack of widespread availability. However, **we commit to purchasing fuel efficient police cruisers, when they become commercially available.** Police and fire department administrative vehicles are NOT exempt and must meet fuel efficient requirements.

Inventory

An inventory of all Town vehicles is contained in Attachment A and shall be updated on an annual basis.

FUEL EFFICIENT VEHICLE REPLACEMENT PLAN

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 is more efficient than the vehicle it is replacing. In addition, when replacing exempt vehicles, the function of the vehicle will be reviewed for potential replacement with a more fuel efficient vehicle, including a fuel efficient non-exempt vehicle.

The Vehicle Inventory will be reviewed on an annual basis along with the Green Communities Criterion 4 Guidance to plan for new acquisitions as part of planning for the new fiscal year budget.

DEFINITIONS

Combined City and Highway MPG (EPA Combined fuel economy): Combined Fuel Economy means the fuel economy from driving a combination of 43 percent city and 57 percent highway miles and is calculated as follows:

$$\text{Combined City and highway MPG} = \frac{1}{\left(\frac{0.43}{\text{CityMPG}}\right) + \left(\frac{0.57}{\text{HighwayMPG}}\right)}$$

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 power train 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.

QUESTIONS AND ENFORCEMENT

All inquiries should be directed to the department/division responsible for fleet management and/or fleet procurement. This Fuel Efficient Vehicle Replacement Plan is enforced by the Chief Administrative Officer and/or his/her designee(s).

ATTACHMENT A

MONTEREY MUNICIPAL VEHICLE INVENTORY

Make	Model	Model Year	Date Purchased	Drive System	GVWR > 8,500 pounds?	Exempt or Non-Exempt (E or NE)	MPG Rating	Function	Emergency Response (Y or N)
			(month/yr)		(Y or N)				
Chevrolet	Suburban	2001	2001	4WD	N	E	14	Fire	Y
KME	Pumper	2003	2003	AWD	Y	E		Fire	Y
KME	Rescue	2012	2012	4WD	Y	E		Fire	Y
KME	Predator	2013	2013	2WD	Y	E		Fire	Y
Oshkosh	Truck	2005	2005	4WD	Y	E		Highway	N
Kenworth	Truck	2007	2007	2WD	Y	E		Highway	N
Ford	F550	2011	2011	4WD	Y	E	7.4	Highway	N
Ford	F550 Dump Truck	2015	2015	4WD	Y	E		Highway	N
Ford	DRWSUP Dump	2016	2016	4WD	Y	E		Highway	N
Chevrolet	Silverado 2500	2018	2018	4WD	Y	E	17	Highway	N
Ford	Explorer	2016	2016	AWD	N	E	19	Police	Y
Ford	Explorer	2019	2019	AWD	N	E	21	Police	Y
Ford	F550	2020	2020	4WD	Y	E		Highway	N

ATTACHMENT B

MONTEREY ANTI-IDLING POLICY

This policy applies to municipal fleet vehicles operated by or within Monterey.

OBJECTIVES

- 1) To eliminate unnecessary idling of vehicles in order to reduce the community's exposure to exhaust from gasoline and diesel engines.
- 2) To educate and inform municipal employees and residents about the health and environmental effects of gasoline and diesel exhaust.

PURPOSE

Idling vehicles pollute the air and present several health and environmental hazards. Gasoline and diesel vehicles produce carbon monoxide, carbon dioxide, volatile organic compounds (VOCs) and oxides of nitrogen (NOx). Carbon monoxide causes respiratory distress and in high concentrations can be lethal; carbon dioxide is a primary contributor to global warming; and VOCs and NOx and form ozone, ground-level smog and impair lung function. In addition, diesel exhaust contains fine particulate matter, which the U.S. Environmental Protection Agency has designated as a likely carcinogen. The elderly, chronically ill and children are all particularly vulnerable to these health effects because their lung function is respectively decreased, impaired or still in development.

In addition, Massachusetts General Law (MGL Chapter 90, Section 16A) and the Massachusetts Department of Environmental Protection (DEP) idling reduction regulation (310 CMR 7.11(1)(b)) both prohibit unnecessary vehicle idling by stating that the engine must be shut down if the vehicle will be stopped for more than five minutes. Exemptions include: 1) the vehicle is being serviced and the idling is required to repair the vehicle; or 2) the vehicle is making deliveries and needs to keep its engine running (to power refrigerators, for example); and, 3) the vehicle's accessory equipment needs to be powered, such as a fork lift or a truck's rear dump bed, or a wheelchair lift in a bus or van. To provide additional protections for children, MGL Chapter 90, Section 16B further restricts unnecessary idling in school zones.

In order to reduce the health and environmental effects of vehicle exhaust, comply with the state's idling reduction regulation and law, and decrease our use of fuel by reducing unnecessary idling, the following actions shall be implemented to the maximum extent practicable:

[Municipality would insert specific actions it will implement in its Idling Reduction Campaign such as: posting of signs in public areas, educating municipal employees and residents, establishing best management practices for municipal vehicle operations, etc.]

This policy is hereby approved by the [Governing Body], this [date], to eliminate unnecessary idling.

Signature: _____
Authorized Official