

CITY OF EAST LANSING
EAST LANSING CITY COUNCIL

POLICY RESOLUTION 2014-8

**RESOLUTION TO AMEND THE PURCHASING POLICIES TO INCLUDE A
PROVISION FOR GREEN FLEET PURCHASING**

WHEREAS, the City Council believes that it's purchasing policies should encourage the purchase of the most energy efficient vehicles possible that meet the operational needs of the department for which the vehicles are intended and use such vehicles in the most energy efficient way possible.

THEREFORE BE IT RESOLVED, that the City Council encourages all city offices, departments and divisions to optimize their fleet size by eliminating unused or underused vehicles.

BE IT FURTHER RESOLVED, that the City Council encourages all city offices, departments and divisions to increase the fleet average fuel economy-make miles per gallon (mpg) or fuel cost per mile a critical purchase criterion.

BE IT FURTHER RESOLVED, that the City Council encourages all city offices, departments and divisions to minimize vehicle miles traveled (VMT) by route optimization and trip elimination.

BE IT FURTHER RESOLVED, that the City Council encourages all city offices, departments and divisions to reduce vehicle size when appropriate.

BE IT FURTHER RESOLVED, that the City Council encourages all city offices, departments and divisions to reduce emissions of carbon dioxide (CO₂), carbon monoxide (CO), nitrous oxides (NO_x), volatile organic compounds (VOCs), and particulate matter (PM)-all pollutants produced by combustion of fossil fuels that endanger public health.

BE IT FURTHER RESOLVED, that the City Council encourages all city offices, departments and divisions to increase the use of alternative fuel vehicles and equipment.

BE IT FURTHER RESOLVED, that the City Council hereby amends the City of East Lansing Purchasing Policies by adding a section, "Green Fleet Policy," to establish a City goal to purchase the most energy efficient vehicles possible that meet the operational needs of the department for which the vehicles are intended and use such vehicles in the most energy efficient way possible.

BE IT FURTHER RESOLVED, that each vehicle or product and comparable alternatives will be evaluated based on purchase price, fuel economy, and maintenance and operating costs.

BE IT FURTHER RESOLVED, that the City's purchasing policy shall include a "Green Incentive" to allow for the purchase of "green" vehicles, equipment or products if the price is within 10 percent, including rebate, of the lowest bid for that vehicle, equipment or product class and continues to meet the needs of the department.

BE IT FURTHER RESOLVED, that for purposes of this policy, the 10 percent funding incentive shall serve as a guideline, but not as a limit, to determine the "greener" vehicle recommendation and each situation will be reviewed by the appropriate staff within the Department responsible and determine an acceptable incremental cost increase for improved environmental performance.

BE IT FURTHER RESOLVED, that funding from outside sources such as federal and state grants shall be pursued to assist in the purchase of "green" vehicles, including alternative fuel vehicles and fueling facilities.

BE IT FURTHER RESOLVED, that for purposes of this policy, the following list of practices will be followed:

- Include an efficiency standard miles per gallon (or gallon equivalent) and emissions standard for each vehicle class for which the City has a procurement specification for and include such a standard in any new vehicle procurement specification.
- Review all vehicle procurement specifications and modify them as necessary to ensure that the specifications are written in a manner flexible enough to allow the purchase of alternatively fueled or electric drive train vehicles.
- Review every new vehicle purchase and modify them as necessary to ensure that the vehicle class is appropriate for the duty requirements that the vehicle will be called upon to perform.
- Review the fleet inventory to identify older vehicles that are used infrequently (or not at all), as well as those vehicles that are disproportionately inefficient, and schedule their elimination or replacement.
- Implement an anti-idling policy prohibiting City employees from idling City owned or operated vehicles for an excessive period of time.
- Review existing vehicles for possible technology and fuel retrofits or upgrades that may meet the objective set forth in the green fleet policy.

- Maintain vehicle at optimal efficiency by reviewing current maintenance schedules for all fleet vehicles and increasing maintenance wherever cost-effective benefits will accrue as a result.
- Review vehicle routes to optimize them to utilize City vehicles in the most efficient manner possible.
- Conduct a review and analysis of all fleet vehicles within the various departments by the close of each fiscal year.
- Train City staff to operate vehicles for optimal vehicle efficiency.

BE IT FURTHER RESOLVED, in order to establish, implement and monitor the Green Fleet policy, an inventory will be created, managed by City staff and shall include:

- Number of vehicles classified by the model year, make, model, engine size, vehicle identification number (VIN), drivetrain type (2-wheel drive, 4-wheel drive) and the rated vehicle weight and classification (light-duty, medium-duty, heavy-duty)
- Miles per gallon (or gallon equivalent) per vehicle
- Type of fuel (or power source, e.g. electricity) used
- Average cost per gallon (or gallon equivalent) of fuel
- Average fuel cost per mile
- Average miles driven per vehicle
- Total fuel (or power) consumption per vehicle
- Vehicle function (i.e. the tasks associated with the vehicle's use)
- Estimated emissions per mile for each pollutant by vehicle type/class for the following: Carbon Monoxide (CO), Nitrogen Oxides (NO_x), Particulate Matter (PM) and Carbon Dioxide (CO₂); estimates will be based on the gallons (or gallon equivalent) of fuel consumed.
- Maintenance cost.

BE IT FURTHER RESOLVED, that the following purchases are exempt from the provisions of the policy:

1. No model of motor vehicle or motorized equipment is available which will comply with the requirements of this policy and still meet the specifications for its intended purpose. This will be based on a review of use, vehicles available for purpose and a cost-benefit analysis.

2. Where it is demonstrated:

- a.) That the cost of the vehicle or motorized equipment that complies with the requirements of this policy is more than 10 percent higher than the cost of an equivalent vehicle or motorized equipment powered by gasoline diesel fuel; or
- b.) That the amortized cost differential cannot be recovered over the operating life of the vehicle or motorized equipment through a reduction in fuel, maintenance and other costs incurred during the operating life of such vehicle or equipment; or
- c.) Due to lack of adequate fueling facilities for that motor vehicle or motorized equipment it would disrupt operations.

Nathan Triplett, Jr., Mayor
City of East Lansing

Moved by Councilmember:

Supported by Councilmember:

YEAS:

NAYS:

ABSENT:

CLERK'S CERTIFICATION: I hereby certify the foregoing is a true and complete copy of a Resolution adopted by the City of East Lansing City Council at its regular meeting held on Tuesday_____, the original of which is a part of the Council minutes.

Marie Wicks, City Clerk
City of East Lansing