

TO: Dick McKinley, Public Works Director
Thomas Frutchey, City Manager

FROM: Freda Berman, Maintenance Superintendent

SUBJECT: Vehicle and Equipment Replacement Criteria

DATE: August 16, 2016

Needs: For the City to have approved standards for vehicle and equipment replacement.

Facts:

1. Advancements in technology have made the practicality of energy-efficient vehicles and equipment in certain circumstances more realistic.
2. Highly fuel-efficient vehicles such as hybrid electric, plug-in electric, or other alternative fuel vehicles cut fuel costs while helping the environment.
3. Near-term projected passenger vehicle replacements in areas such as Building Inspection and IT are practical candidates for fuel-efficient vehicles.
4. Most heavy equipment is not yet available with alternative fuels.

Analysis &

Conclusion: The practicality of fuel-efficient vehicles in a City fleet setting has increased. Passenger cars and small SUVs, for example, are offered in models and with features applicable to City work demands. Continued progress will be made by the industry, including expanding options to include larger vehicles and specialized equipment.

When selecting vehicles and equipment for replacement, the following four criteria will be considered:

1. Departmental functionality
2. Life-cycle cost
3. Environmental consciousness
4. Serving the community in an exemplary manner (including demonstrating best practices)

Policy

Reference: None

Fiscal

Impact: The initial cost of a hybrid vehicle or alternative fuel vehicle is general higher than a traditional vehicle, due in part to its technology and marketing as an ecologically friendly option. These vehicles are also generally costlier to repair because of dual compulsion systems that may have to be serviced by the

manufacturer. Fuel savings will offset some or all of these costs over the long term.

- Options:
- A. Endorse the four recommended best-practices criteria (departmental functionality, life-cycle cost, environmental consciousness, and serving the community in an exemplary manner, including demonstrating best practices) for selecting new vehicles and equipment; or
 - B. Amend, modify, or reject the above option.