



**City of Flagstaff Fleet Management Committee
Purchase, Replacement and Utilization Justification Form**

This form is designed to ensure that the City of Flagstaff's fleet is appropriately sized to serve the operational needs of the City; that the vehicles/equipment are efficiently utilized in a manner that reflects the total cost of ownership and there is sound justification for retaining and replacing vehicles/equipment through City ownership. This form shall be used to justify all fleet replacements and vehicles/equipment that do not meet the City's Fleet Utilization Criteria. **Please complete this form in its entirety. Indicate "not applicable" where necessary.** (* Indicates an evaluation metric.)

Date: 6/22/20

Form Preparer Name: Jeff Ely

Name of Division/Section: Public Works/Solid Waste

This is a request for: Fleet Replacement Utilization Justification New Vehicle/Equipment

Vehicle/Equipment Type: Solid Waste Landfill Vehicle/Equipment Number: G8005 Vehicle/Equipment Year: 2004

Fleet Category: H *Annual Mileage/Hours: 1,230 Hours *Working Days/Use %: 6/100%

*Total Mileage/Hours: 17,666.0 Hours *Original Purchase Cost: \$260,584.00 *Lifetime Maintenance Costs: \$1,069,415.63 labor & parts

Replacement Costs: \$980,955.00 Last year's maintenance costs: \$78,948.42 *Projected repair costs: \$561,266.66

*Current Fuel Efficiency based on Fleet Records Miles/Hours per Gallon: 13.50 to 17 Gal. Per Hr. Fuel Type: DSL

Fleet Category	*Annual Mileage/Hours	*Working Days/Use%
1. General Purpose		
2. Facility-Based		
3. Emergency Response		
4. Light Duty Special Purpose		
5. Heavy Duty Special Purpose	1,230 hours	6 days/week 100%
6. Seasonal Equipment Over \$5000		
7. Other		

- General Purpose:** Vehicles used to transport city personnel from point A to point B and not designed, equipped or have attached equipment to perform work. Examples are sedans, sport utility, vans and pickups, not used for special service.
- Facility Based:** General purpose vehicles assigned to a facility for the sole specific use for the operation of that facility. Seldom leaves site. High Mile used vehicles rotated out of the fleet (fleet replacements).

(800,000 cubic yards) of cover material. The age and the wear to the unit is detrimental and a cost burden. Caterpillar no longer manufactures the Scraper with the same configuration. The only replacement option is to purchase a larger unit at a cost of approximately \$980,955. The cost to rebuild the existing Scraper is approximately \$561,200 (see attached appraisal).

Purchasing an articulated truck \$573,585.00 will increase productivity and optimize use of the existing on-site equipment (Dozer and Wheeled Loader). No other manufacturer makes an articulated truck with an ejector bed. This unit was chosen because it allows us to spread soil in a manageable fashion. The scraper (front and rear engine) was manufactured prior to the more-stringent emission standards for diesel engines. Therefore, the articulated truck would abide to the codes set forth by the Environmental Protection Agency, thereby increasing fuel efficiency and productivity

Additional notes: This scraper is budgeted for replacement FY 20/21

Signature of Form Preparer  Date: 7/29/2020

Signature of Section Head  Date: 07/29/2020

Signature of Fleet Management Committee Chair  Date: 7-14-2020

Signature of Division Director  Date: 8/4/20

Signature of Budget Team/ City Manager _____ Date: _____

Fleet Management Committee Review Date: 7-14-2020 Approved: Yes No Signed: 