



# City of Flagstaff

## Recession Plan Expenditure/Position Authorization Form



This form is to obtain authorization for expenditures and positions in accordance with the Economic Recession Plan.

### Request Description

**Expenditure/Position Name:** G8-005 Caterpillar Wheel Tractor Scraper Replacment

**Justification:**

The 2004 627G Wheel Tractor Scraper is in need of replacement. The unit was rebuilt in 2012 by Caterpillar (\$370,610). The unit is used primarily to excavate and transport soft soil (sand and silt). However, the landfill mining pits are now digging into bedrock. Since the rebuild in 2012, it has hauled almost 500,000 tons (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. The articulated truck will be able to assist in transporting the cover needed six days per week with increased efficiency. The proper application of cover is necessary to remain in compliance with Arizona Department of Environmental Quality regulations. This purchase has been approved by the Fleet Committee. The Landfill has \$600,000 budgeted in fleet capital for the current fiscal year.

**Impact if Not Approved:**

If not approved, Cinder Lake Landfill will have to extract sources of soil that should otherwise be reserved for future operations. The present-day cost of importing soil is approximately (approximately \$980,000 per year).

### Expenditure Details (if applicable)

**Contract Type (if applicable):**    **If existing,**    **Amount: \$** \_\_\_\_\_    **Account:** \_\_\_\_\_  
 Existing     New    **End Date:** \_\_\_\_\_

Approval of this form does not change or otherwise replace the established requirements of the City Charter or Procurement Code. If approved, attach this form to all procurement requests, P-Card transactions, and contract routing requests. Work with Grants & Contracts and Purchasing to ensure proper procedures are observed while moving forward.

### Approvals

**Approved by Division Director:**    **Comments:** The expenditure is accounted for in the landfill capital budget and the fund is currently tracking to allow for this expenditure.  
 Yes    (required)

**Signature:** Andrew L. Bertelsen    **Signature Date:** 7/24/20

**Approved by Budget Team:**    **Comments:**  
 Yes     No

**Signature:** Brandi Suda    **Signature Date:** 7/29/2020