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| Meeting Date |
| 10/18/16 |



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| AGENDA | |
| Section | New Business |
| Item No. | VI C 2 |

AGENDA REPORT

BREVARD COUNTY BOARD OF COUNTY COMMISSIONERS

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| SUBJECT: | Permission to Replace a Caterpillar Excavator in lieu of the Water Wagon approved in FY 16/17 Capital Outlay; and to Recondition the Caterpillar D7R Dozer through the Original Equipment Manufacturer (OEM), Ring Power Corporation |
| DEPT/OFFICE: | Central Services/Purchasing Services for Solid Waste Management Department |

Requested Action:

It is requested that the water wagon approved in the FY 16/17 Capital Outlay be replaced by an excavator suffering metal fatigue and grant permission to recondition the dozer through the original equipment manufacturer, Ring Power Corp. rather than purchasing new.

Summary Explanation & Background:

The Board of County Commissioners approved the requested equipment on September 27, 2016, as part of the Department's capital budget for FY 16/17. These purchases replace existing equipment that is included in the rolling-stock replacement program and is funded in the Department's budget. This equipment has reached or exceeded its useful life and needs to be replaced before incurring significant maintenance costs.

When equipment has reached the end of its useful life per the replacement schedule, an examination of the equipment along with a review of the maintenance history, takes place to determine if it is cost-effective to extend its life an additional year. If it is cost-effective, then the equipment is retained for an additional year regardless of the replacement schedule. If the equipment is replaced, it is sold when the new equipment is received. The Department keeps a full equipment history in its Fleet Maintenance software to aid in this determination. There are also periodic reviews of the expected life to determine the validity of the replacement schedule.

The water wagon (PR #409-0307) listed in the Capital Outlay Summary was involved in a rollover accident in July, 2016. Insurance has covered 90% of the expenses for repairs. These repairs included replacement of the cab, a new water canon system and accessories, a new fender and air intake system. These repairs will now prolong the useful life of the water wagon. In lieu of replacing the water wagon this fiscal year, staff feels it would be beneficial to use the funds budgeted in the amount of \$458,668.00 to now replace a 2003 Caterpillar M316C excavator (PR #404-0045) at the Sarno Transfer Station. This excavator was purchased in 2003 and was reconditioned in 2011. The excavator is currently scheduled for replacement in 2019; however, it is showing metal fatigue earlier than expected and needs to be replaced at this time to avoid an excessive amount of maintenance costs and down time. This machine is vital to the daily operations of the Sarno transfer station.

Staff recommends the option of reconditioning the Caterpillar D7R dozer (PR #405-0055) that was purchased in 2012 rather than purchasing new. This allows additional value from the dozer by only renewing or replacing certain components. By restoring the dozer to new operational condition, the process will result in an estimated cost saving of \$327,050.00 compared to the purchasing of a new dozer.

Reconditioning & TMR Cost
\$605,650.00

Purchase & TMR Cost
\$932,700.00

Fiscal Impact:

The cost of purchasing the water wagon was \$458,668.00, while the cost of a new excavator is approximately \$410,000.00, which is currently budgeted in Fund 4011, Cost Center 352130. These purchases will have a positive impact by eliminating maintenance costs applied to equipment that has gone beyond its useful life in the harsh landfill environment. The reconditioning of the dozer at an estimated total cost of \$605,650.00 rather than purchasing new shall result in a savings of approximately \$327,050.00.

Contact: Euripides Rodriguez, Director
Phone/e-mail: 633-2042/euripides.rodriquez@brevardfl.gov

Clerk to the Board Instructions:

Exhibits Attached: Capital Summary section of the approved 2016-2017 Budget, Summary Maintenance Report by Property Record Number

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|---|--|---------------------------|--|---|--------------------------|----|--------------------------|----|--------------------------|
| Contract /Agreement (If attached): | | Reviewed by County | | Yes | <input type="checkbox"/> | No | <input type="checkbox"/> | PR | <input type="checkbox"/> |
| County Manager | | Assistant County Manager | | Department Director / Extension | | | | | |
| Stockton Whitten | | Assistant County Manager | | Euripides Rodriguez, Director, Solid Waste x52042 Teresa Camarata, Director, Central Services x55492 | | | | | |



Tammy Rowe, Clerk to the Board, 400 South Street • P.O. Box 999, Titusville, Florida 32781-0999

Telephone: (321) 637-2001
Fax: (321) 264-6972
Tammy.Rowe@brevardclerk.us

October 19, 2016

M E M O R A N D U M

TO: Euri Rodriguez, Solid Waste Management Director

RE: Item VI.C.2., Permission to Replace a Caterpillar Excavator in Lieu of the Water Wagon Approved in FY 16/17 Capital Outlay; and Recondition the Caterpillar D7R Dozer Through the Original Equipment Manufacturer (OEM), Ring Power Corporation

The Board of County Commissioners, in regular session on October 18, 2016, granted permission for the water wagon approved in the FY 16/17 to be replaced by an excavator suffering metal fatigue; and to recondition the dozer through the OEM, Ring Power Corporation, rather than purchasing new.

Your continued cooperation is greatly appreciated.

Sincerely yours,

BOARD OF COUNTY COMMISSIONERS
SCOTT ELLIS, CLERK

✓ Tammy Rowe, Deputy Clerk

cc: Central Services Director
Finance
Budget

SOLID WASTE MANAGEMENT DEPARTMENT
CAPITAL OUTLAY SUMMARY¹

SOLID WASTE MANAGEMENT DEPARTMENT

| DESCRIPTION | QUANTITY | UNIT COST | FUNDING SOURCE | TOTAL COST | CATEGORY | FUND | FUND CENTER/COMMITMENT ITEM | NEW OR REPLACE | PROP. # | AGE |
|-------------------------------------|----------|-----------|----------------|--------------------|-----------------|------|-----------------------------|----------------|----------|-----|
| Truck, Pick-up, Chevy Silverado 2X4 | 1 | \$26,335 | Assessments | \$26,335 | Truck | 4011 | 352130/564000 | Replace | 328-1271 | 12 |
| Truck, Pickup, Chevy/AK4 | 1 | \$33,071 | Assessments | \$33,071 | Truck | 4011 | 352130/564000 | Replace | 328-1363 | 10 |
| Vn, Ford, 2006, From SCAT | 1 | \$5,850 | Assessments | \$5,850 | Truck | 4011 | 352130/564000 | Replace | 329-1102 | 6 |
| Gator, 4x4, John Deere | 1 | \$13,181 | Assessments | \$13,181 | Other | 4011 | 352130/564000 | Replace | 403-0045 | 10 |
| Gator, 4x4, John Deere | 1 | \$13,181 | Assessments | \$13,181 | Other | 4011 | 352130/564000 | Replace | 403-0047 | 10 |
| Dezer, D7E, Caterpillar | 1 | \$739,465 | Assessments | \$739,465 | Heavy Equipment | 4011 | 352130/564000 | Replace | 405-0055 | 4 |
| Compactor, Bomag BC772R8 | 1 | \$586,591 | Assessments | \$586,591 | Heavy Equipment | 4011 | 352130/564000 | Replace | 408-0044 | 3 |
| Water Wagon, J Deere 250D 5000Gal | 1 | \$458,668 | Assessments | \$458,668 | Other | 4011 | 352130/564000 | Replace | 409-0307 | 8 |
| Loader, 950H | 1 | \$380,210 | Assessments | \$380,210 | Other | 4011 | 352130/564000 | Replace | 410-0126 | 5 |
| Mower, Rotary, JD, CX15 Flexwing | 1 | \$22,700 | Assessments | \$22,700 | Mower | 4011 | 352130/564000 | Replace | 432-0652 | 8 |
| Mower, Rotary, JD, CX15 Flexwing | 1 | \$22,700 | Assessments | \$22,700 | Mower | 4011 | 352130/564000 | Replace | 432-0653 | 8 |
| Gator, 4x4, John Deere | 1 | \$10,185 | Assessments | \$10,185 | Other | 4010 | 352010/564000 | Replace | | |
| Light Towers, CDF Landfill | 2 | \$9,000 | Assessments | \$18,000 | Other | 4010 | 352010/564000 | Replace | | |
| Bull Fences, CDF Landfill | 5 | \$4,944 | Assessments | \$24,721 | Other | 4010 | 352010/564000 | Replace | | |
| TOTAL UNFUNDED FOR PROGRAM | | | | \$2,537,378 | | | | | | |

¹) Equipment with a value in excess of \$1,000 (computers \$750). Approved items may be purchased using existing Public e-auction Purchasing Cooperative contract awarded through full and open competition when in the best interest of the County.