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| Meeting Date |
| October 20, 2015 |



| AGENDA | |
|----------|---------------|
| Section | Consent |
| Item No. | <i>II.C.1</i> |

AGENDA REPORT
BREVARD COUNTY BOARD OF COUNTY COMMISSIONERS

| | |
|--------------|---|
| SUBJECT: | Permission to Purchase using an Existing State, Sheriff's Association or Other Florida Governmental Contract any Heavy Equipment Budgeted for Purchase in FY 15/16 valued at \$3,253,782.67 and Perform a Second Life Machine Rebuild on a Caterpillar D7R Dozer through Ring Power Corp. |
| DEPT/OFFICE: | Central Services/Purchasing Services for Solid Waste Management Department |

Requested Action:

It is requested that the Board of County Commissioners grant permission to purchase using an existing State, Sheriff's Association or other Florida governmental contract, any heavy equipment budgeted for purchase in FY 15/16. The equipment in need of replacement consists of three (3) vehicles (two Chevrolet Blazers and one Chevrolet pickup truck ranging from 11 to 14 years old); six (6) tractor trucks (ranging from 7 to 8 years old); one (1) compactor (3 years old); one (1) water wagon (8 years old); one (1) manlift (10 years old) and one (1) dozer (9 years old).

It is also requested that the Board of County Commissioners grant permission to perform a second life machine rebuild on the dozer through the original equipment manufacturer, Ring Power Corp. in lieu of purchasing new.

Summary Explanation & Background:

The Board of County Commissioners approved the requested equipment on September 15, 2015, as part of the Department's capital budget for FY 15/16. 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.

Staff recommends a second life machine rebuild be performed on the Caterpillar D7R dozer that was purchased in 2006. In 2011 the dozer was reconditioned rather than purchasing new which resulted in a cost savings at that time of approximately \$320,343. The option of now performing a second life rebuild on the dozer will allow the machine to be completely stripped down to the frame and all components (i.e. engine, radiator, transmission and torque converter, hydraulics, undercarriage, blade, cab, etc.) be either repaired or replaced to like new operational condition. The second life rebuild process is lower in cost compared to the purchasing of new equipment at a cost savings of approximately \$238,033.52

Second Life Rebuild & TMR Cost
 \$560,730.24

Purchase & TMR Cost
 \$798,763.76

Fiscal Impact:

The cost of this equipment is approximately \$3,253,782.67, 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.

Clerk to the Board Instructions:

Exhibits Attached: Capital Summary section of the approved 2015-2016 Budget, Summary Maintenance Report by Property Record Number

| | | | | | | | | |
|------------------------------------|--|-----------------------------|-----|--------------------------|----|---|----|--------------------------|
| Contract /Agreement (If attached): | | Reviewed by County Attorney | Yes | <input type="checkbox"/> | No | <input type="checkbox"/> | PR | <input type="checkbox"/> |
| County Manager | | Assistant County Manager | | | | Department Director / Extension: Euripides Rodriguez, Director (52042) | | |
| Stockton Whitten | | Assistant County Manager | | | | Teresa Camarata, Central Services Director (57390) | | |



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

Telephone: (321) 637-2001
Fax: (321) 264-6972

October 21, 2015

MEMORANDUM

TO: Teresa Camarata, Central Services Director

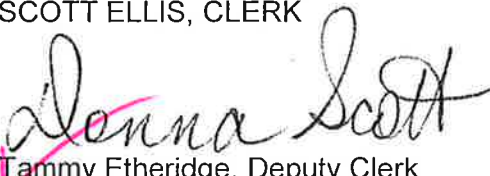
RE: Item II.C.1., Permission to Purchase Using an Existing State, Sheriff's Association, or Other Florida Government Contract for Any Heavy Equipment Budgeted for Purchase in FY 2015-2016 Valued at \$3,253,782.67, and Perform a Second Life Machine Rebuild on a Caterpillar D7R Dozer Through Ring Power Corporation

The Board of County Commissioners, in regular session on October 20, 2015, granted permission to purchase using an existing State, Sheriff's Association or other Florida government contract for any heavy equipment budgeted for purchase in FY 2015-2016 consisting of three (3) vehicles (two Chevrolet Blazers and one Chevrolet pickup truck ranging from 11 to 14 years old), six (6) tractor trucks (ranging from 7 to 8 years old), one (1) compactor (3 years old), one (1) water wagon (8 years old), one (1) manlift (10 years old), and one (1) dozer (9 years old); and granted permission to perform a second life machine rebuild on a Caterpillar D7R Dozer through Ring Power Corporation.

Your continued cooperation is always appreciated.

Sincerely,

BOARD OF COUNTY COMMISSIONERS
SCOTT ELLIS, CLERK

for: 
Donna Scott
Tammy Etheridge, Deputy Clerk

/af

cc: Solid Waste Management Director
Finance
Budget

**SOLID WASTE MANAGEMENT DEPARTMENT
SUMMARY MAINTENANCE REPORT**

| PR # | DESCRIPTION | FY PURCHASED | * TOTAL MILES (M) or HOURS (H) | MAINTENANCE COSTS TO DATE (PARTS & LABOR) |
|----------|--|---|-----------------------------------|---|
| 328-1270 | Truck, Pick-up, Chevrolet 2500 Reg Cab 4X4 | 2004 | 230,720 (M) | \$ 21,462.14 |
| 329-0957 | Truck, Blazer, Chevrolet 4X4, 4 Dr. | 2001 | 148,673 (M) | \$ 12,446.17 |
| 329-1004 | Truck, Blazer, Chevrolet for Code | 2003 | 156,430 (M) | \$ 17,065.82 |
| 332-0100 | Truck, Tractor, Freightliner | 2007 | 418,773 (M) | \$103,183.17 |
| 332-0103 | Truck, Tractor, Freightliner | 2007 | 317,233 (M) | \$128,620.88 |
| 332-0104 | Truck, Tractor, Freightliner | 2007 | 309,002 (M) | \$140,987.42 |
| 332-0105 | Truck, Tractor, Freightliner | 2008 | 331,752 (M) | \$118,642.21 |
| 332-0107 | Truck, Tractor, Freightliner | 2008 | 334,745 (M) | \$112,909.52 |
| 332-0108 | Truck, Tractor, Freightliner | 2008 | 306,824 (M) | \$131,681.44 |
| 405-0046 | Dozer D7R Caterpillar | Purchased in 2006 Reconditioned in 2011 for \$421,320 | 15,760 (H) | \$216,575.78 |
| 408-0042 | Compactor, Al Jon | 2012 | 6,775 (H) | \$ 5,727.42 |
| | | | | <u>TMR service</u> \$59,950.00 |
| | | | | <u>Total</u> \$65,677.42 |
| 409-0304 | Water Wagon, John Deere 250D, 5000 Gal | 2007 | 2,248 (H) | \$10,107.84 |
| | | | | <u>TMR service</u> \$57,640.00 |
| | | | | <u>Total</u> \$67,747.84 |
| 506-0166 | Manlift, JLG | 2005 | 1,787 (H) | \$ 14,963.95 |

* Total mileage and hour readings are as of September 15, 2015

SOLID WASTE MANAGEMENT DEPARTMENT: CAPITAL OUTLAY SUMMARY¹

| DESCRIPTION | QUANTITY | UNIT COST | FUNDING SOURCE | TOTAL COST |
|--|----------|-----------|-------------------|--------------------|
| PROGRAM NAME: DISPOSAL | | | | |
| Truck, Pick-up, Chevy 4X4 Crew Cab | 1 | \$29,350 | Assessments | \$29,350 |
| Truck, Blazer, Chev., 4x4, 4 Dr. | 1 | \$36,795 | Assessments | \$36,795 |
| Truck, Blazer, Chevy Code | 1 | \$31,448 | Assessments | \$31,448 |
| Truck, Tractor, Freightliner, 112" Cab | 3 | \$147,063 | Assessments | \$441,189 |
| Truck, Tractor, Freightliner, 120" Cab | 3 | \$155,151 | Assessments | \$465,454 |
| Gator, 4X2, John Deere | 1 | \$9,076 | Assessments | \$9,076 |
| Dozer D7R Caterpillar | 1 | \$775,499 | Assessments | \$775,499 |
| Compactor, Al Jon | 1 | \$859,140 | Assessments | \$859,140 |
| Water Wagon, J. Deere 250D 5000gal | 1 | \$458,668 | Assessments | \$458,668 |
| Manlift, JLG | 1 | \$166,740 | Assessments | \$166,740 |
| TOTAL FUNDED FOR PROGRAM | | | | \$3,273,359 |

¹ Expenditures for equipment with a value in excess of \$750 and an expected life of more than one year (e.g. automobiles and furniture).

SOLID WASTE MANAGEMENT DEPARTMENT: CAPITAL OUTLAY SUMMARY¹

| FUND | FUND CENTER/COMMITMENT ITEM | NEW OR REPLACE | PROP. # | AGE |
|-------------|------------------------------------|---------------------------|----------------|------------|
| 4011 | 352130/5640000 | R | 328-1325 | 10 |
| 4011 | 352130/5640000 | R | 329-0957 | 14 |
| 4011 | 352130/5640000 | R | 329-1004 | 12 |
| 4011 | 352130/5640000 | R | 332-0100 | 8 |
| 4011 | 352130/5640000 | R | 332-0105 | 8 |
| 4011 | 352130/5640000 | R | 403-0039 | 11 |
| 4011 | 352130/5640000 | R | 405-0046 | 4 |
| 4011 | 352130/5640000 | R | 408-0042 | 3 |
| 4011 | 352130/5640000 | R | 409-0304 | 8 |
| 4011 | 352130/5640000 | R | 506-0166 | 10 |

¹ Expenditures for equipment with a value in excess of \$750 and an expected life of more than one year (e.g. automobiles and furniture).

SOLID WASTE MANAGEMENT DEPARTMENT: CAPITAL OUTLAY SUMMARY1

JUSTIFICATION/ BENEFIT

Beyond economical repair.
Beyond economical repair.
Beyond economical repair.
Beyond economical repair.
Beyond economical repair.
Beyond economical repair.
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Beyond economical repair.
Beyond economical repair.

¹ Expenditures for equipment with a value in excess of \$750 and an expected life of more than one year (e.g. automobiles and furniture).