

**Memorandum
Public Works Department**



To: City Manager
Subject: Sprayer Purchase
Date: 2/28/2017
Number: 2017-026

The Public Works Department/Fleet Services Division is assisting with the purchase of a Golf Course Chemical Sprayer for the Parks Department. The staff has discussed and agreed on the type of machine and options needed. The Parks Department staff opened bids on January 26, 2017, and a summary of the bids is attached. The bid from Van Wall Equipment Company meets all the specifications and additional items needed. The sprayer provided under this bid is as follows: John Deere HD 300, 34HP gas engine, manual transmission, centrifugal spay pump with automatic rate control, hard cab with fan, 300 gallon product tank, electric hose reel, and Full Machine Warranty.

The funding for this sprayer will come from two sources, \$21,700.00 from the Equipment Replacement fund and \$21,650.00 from Parks Department funds.

The Parks Department will turn in a 2007 Ford Explorer 4X4, that is no longer needed. The replacement fund will re-fund the amount paid in over the past nine (9) years. The Explorer will be re-assigned to Public Works, Water Treatment and its service life extended six years. The 2008 Ford Ranger from Water Treatment will go to Waste Water and replace their 2003 Ranger which will be surplus and sold.

Recommendation

Public Works and Parks Department recommends City Council authorize the purchase of a 2017 John Deere HD 300 Chemical Sprayer from Van Wall Equipment Company, Rock Island, Illinois, in the amount of \$43,350.00.

Vendor: Van Wall Equipment Company
Payment Amount: \$43,350.00
Account Chargeable:
Fund: 601 Fleet Services
Division: 617 Fleet Services
Cost Center: 365 Automotive Replacements
Object Code: 56406 Motor Vehicle

Requisition Number: R- 006539

Submitted by: Wm Woeckener, Fleet Services Director
Larry Cook, Interim Public Works Director
John Gripp, Director of Park and Recreation

Approved by: Randall D. Tweet, Interim City Manager

Report to the Rock Island Park and Recreation Board

Subject: Purchase Recommendation for Spayer Unit at Saukie Golf Course

Background Information:

Bids were sent out to three vendors concerning the purchase of a new chemical sprayer for Saukie Golf Course. The vendors were MTI Distributing, Van Wall Equipment, and Burris Equipment. The brands of equipment considered were Toro, John Deere, and Jacobsen/Smithco. Please see attached bid tabulation sheet.

Specifications were based off of the current Toro sprayer at Saukie that has served us well for 16 years. That machine needs repairs that will cost more than can be justifiably spent on a machine of that age.

Specifications:

- 300 gallon tank size
- Cab enclosure for safety
- Automatic rate controller
- Electric Hose Reel
- Foam Marking Kit

After talking to a Superintendent who owns a John Deere model sprayer and the vendor, staff recommends the John Deere HD 300 spray with a centrifugal pump. This sprayer looks to be the best combination of value versus cost. The cost of this machine is \$43,500.00.

Submitted:

Tanner Thompson

Saukie Golf Course, Supt.

Saukie Sprayer Bids

	Toro Multi Pro 5800	Toro Multi Pro WM	John Deere HD 200	John Deere HD 300	Smithco Spray Star 3180	Jacobsen XP300
Engine Size	50 HP	32.5 HP	34 HP	34 HP	35.5 HP	24.8 HP
Engine Type	Kabota Gas	Kabota Gas	Gas	Gas	Kubota Diesel	Kubota Diesel
Drive Type-4 WD	Hydrostatic 4 WD Rear	Workman HDX 2WD	ProGator 2WD	ProGator 2WD	Hydrostatic 4WD Rear	Jacobsen XR 2WD
Transmission	Hydrostatic	Manual	Manual	Manual	Hydrostatic	Manual
Spray Pump	Six Diaphragm	Six Diaphragm	Diaphragm	Diaphragm Centrifugal *	Centrifugal-Stainless	Centrifugal-Stainless
Automatic Rate Control	Yes-ExcelaRate	Yes-monitor	Yes-Teelert	Yes-Teelert	Yes-Raven 203	Yes-Raven 203
Cab Enclosure	Hard Cab	Hard Cab w/ Fan	Hard Cab w/ Fan	Hard Cab w/ Fan	Hard Cab w/ no fan	Hard Cab w/ no fan
Tank Size	300 gallon	200 gallon	200 gallon	300 gallon	318 gallon	300 gallon
Electric Hose Reel	Yes	Yes	Yes	Yes	Yes	Yes-w/ new hose
Foam Marking Kit	Yes	Yes	Yes	Yes	Yes	Yes
Price	\$53,660.67	\$45,466.60	\$42,150.00	\$45,100.00 \$43,350.00	\$49,545.75	\$47,974.00

*Centrifugal Pumps are more durable and require less maintenace