



AGENDA ITEM # 7H/I

**AGENDA ITEM EXECUTIVE SUMMARY
Village Board Meeting
October 14, 2019**

Item Title: **Botterman Wastewater Treatment Plant Pump Replacements**

Staff Contact: Karen R. Young, P.E., Public Works Director

VILLAGE BOARD ACTION

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| <ol style="list-style-type: none">1. Approve the purchase of Sludge Transfer Pump for the Botterman Wastewater Treatment Plant from Vogelsang in the amount of \$22,500.2. Approve the purchase of Return Sludge Pump for the Botterman Wastewater Treatment Plant from Drydon Equipment, Inc. in the amount of \$16,760.90. |
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Executive Summary:

The Botterman WWTP Pump Replacements were initiated as part of the Wastewater Facilities Master Plan Improvements.

Project B-10 Botterman Return Sludge Pump

The 2015 Facilities Master Plan evaluated the three existing return sludge pumps that are now 26 years old and have reached the end of their useful life. The return sludge pumps are a critical component of the treatment process. This will be the third and final pump to be replaced.

Project B-11 Botterman Sludge Transfer Pump

The 2015 Facilities Master Plan evaluated the two existing sludge transfer pumps that are now 26 years old and have reached the end of their useful life and require excessive maintenance to keep them operable and from leaking. The sludge transfer pumps are critical to the treatment plant operation. This is the first pump to be replaced with the second included in a future budget year.

Implications:

Is this item budgeted? Yes. There is \$55,000 budgeted account 51918292-71100-650.

Any other implications to be considered? None.

Attachments:

- Vogelsang Quote
- Drydon Quote

Scope

Provided By: Peterson & Matz, Inc.
 Dean Wiebenga
 2250 Point Blvd., Suite 300
 Elgin, IL 60123
 (847) 844-4405
 dean.wiebenga@petersonandm



VOGELSANG

Quote #: 109580 v. 00

QTE10958000

Date: 09.11.2019
 No. of Pages: 3
 Valid To: 10.30.2019
 Delivery Terms: PPA (PrePay and Ad
 Credit Terms: Net 30
 Project Name: Roselle, IL MGI Pump
 replacement

Any item not specifically listed in the quotation will not be supplied by Vogelsang.

Line #	P/N#	Description	Qty
1.0	# 10.2014	Roselle, IL MGI Pump replacement / Sludge, No specifics / 1 % Solids / 250 gpm @ 45 psi (103.69 ft of head) VX136-210 Piggy Back Assembly	1

Each of the above assemblies contain these individual parts:

No.	Part	Qty
1	UBS0020 Base BSteel Hot-Dip Galvanized	1
2	UFL0013 USA Motorplate730 mm x 480 mm x 20 mm 215T, 284T, 286T1.0577 Hot-Dip Galvanized	1
3	PPK0004751 Rotary Lobe PumpVX136-210Q	1
4	USEM0031 Baldor Motor, 15 HP, 1175 RPM3 PH, 230/460V, 60 HZ, 284T IP55, TEFC, SF 1.15General Purpose	1
5	VUSA.0300 Fully Threaded Stud1-8 x 10, Zinc Plated	4
6	RFL3582 Flame-Cut PartMaterial Thickness 15 mm 1.0038	2
7	VUSA.0196 1 - 8 Hex Nut, Zinc Plated	12

Verify materials of construction are compatible with your process, as Vogelsang does not warrant against chemical incompatibility.
 Vogelsang | 7966 St. Rt. 44 | P.O. Box 751 | Ravenna, OH 44266 | Ph: 330-296-3820 Fax: 330-296-4113 | www.vogelsangusa.com

Scope

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Line #	P/N# Description	Qty
8	VUSA.0197 1 inch SAE Flat Washer,Zinc Plated	12
9	PSG.014 Buffer Fluid TankPolycarbonate, Opaque 0,29 l NBR 60 °C, Pressure Range 0 -10 bar	1
10	PBT.052 Assembly Kit SystemsTechnology Buffer Chamber Conduit Installation Kit M 16x 1,5 L = 1000 mm Steel	1
11	IBA3144 Buffer Chamber EnlargementHolder Q/QD Steel Hot-Dip Galvanized for standard oilbottles	1
12	GZS.019 Belt GuardVX136 / VX186 Shaft Center Distance: 380 mm1.0038 Painted	1
13	NSK.155 Hexagon Head BoltM 8 x 80 mm, DIN 933 Steel 8.8 Electro-Galvanized	4
14	NUS.003 WasherA 8,4 mm x 16 mm x 1,6 mm DIN 125 Steel 140 HVElectro-Galvanized	8
15	NMK.004 Hexagon NutM 8, DIN 985 Steel 8Electro-Galvanized	4
16	3VX850 Belt, 3VX Section	5
17	3V4755 Sheave, 5-3V, 4.75, SDS	1
18	3V1905 Sheave, 3V, 19.0" x 5-SF	1
19	SDS178 Bushing, QD	1
20	SF42MM Bushing, Driven, SF x 42MM	1
21	GPA.016 Pump Connector 136-2106 inch ASME B16.5 RF 150 lbs Permissible Pressure: 8 barSteel Hot-Dip Galvanized	2
22	DFD.006.P Pump Flange Gasket136-210 AF42, 2 mm	2

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vna55 3-3-08 ver.1

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Line #	P/N# Description	Qty
23	NUS.004 WasherA 10,5 mm x 20 mm x 2,0 mm DIN 125 Steel 140 HVElectro-Galvanized	28
24	NSK.027 Hexagon Head BoltM 10 x 25 mm, DIN 933 Steel 8.8 Electro-Galvanized	28
25	48x60Pallet 48"x60" Custom PalletWeight Limit 1200lb	1
26	VUSA.0142 Assembly Serial Tag6 x 13 cm .032" Thick Aluminium	1
27	VAU.110 Name Plate	1
28	VUSA.0247 Pump Assembly Safety Label	1
29	VUSA.0080 Made in USA Label2.875" Circle Label Stock ePlanet Label#LT2785-6CJHG	1
30	Hats Hats - Camouflage Design58cm diameter, ball cap style Camouflage print,Cotton/cotton-blend material	1
31	TEST HI364 Hydraulic Institute 3.6.4Performance Test - Acceptance Level A (Vogelsang Standard)	1

Price: \$22,500.00



2445 Westfield Dr. - Ste. 100
 Elgin, IL 60124-7840
 Ph: 224-629-4060 / Fax: 224-629-4061

QUOTATION

DATE	QUOTE #
10/9/2019	DS109193

CUSTOMER
Roselle PW Facility Attn: A/P 474 Congress Circle North Roselle, IL 60172

SHIP TO
Roselle PW Facility John LaRocca 474 Congress Circle North Roselle, IL 60172

TERMS	FOB	SHIP VIA	EST. LEAD TIME
Net 30	Ship Point	FRT Included	16-18 Weeks

ITEM	DESCRIPTION	QTY	UNIT PRICE	AMOUNT
FM	Duplicate/Replacement-Bare Pump Only Fairbanks Morse Model 6" B5424K; S/N K3X1-071798-0 No Motor, No Base, No Coupling	1	16,760.90	16,760.90
	Please contact Debbie Sommers (ext. 521) when placing your order. Pricing Valid for 30 days			

Thank you for the opportunity to provide this quote!	TOTAL	\$16,760.90
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