

AGENDA ITEM SUMMARY

Meeting Date:	JANUARY 15, 2020
Agenda Category:	CONSENT BUSINESS
Agenda Item Number:	10 C
Subject:	CONVERSION OF THREE MEADOWS LIFT STATION TO SUBMERSIBLE PUMP STATION (WASTEWATER TREATMENT DEPARTMENT)

Attachments:	Memorandum; quote
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Staff Contact:	Wastewater Treatment Director Elmore
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Background:	<p>The Wastewater Treatment Department is seeking authorization to convert Lift Station No. 42, 1214 Three Meadows Drive, from a 50-horsepower flooded-suction lift station to a submersible lift station. Taking this action will eliminate the potential for groundwater to penetrate the electrical control and pump room and will also eliminate the hazard of a confined space entry for staff. A quote has been submitted by Barney's Pumps in the amount of \$93,850.00 for the components required to complete this project.</p>
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Reference:	Wastewater Treatment budget/R & R account
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Suggested Action:	Approve the quote from Barney's Pumps in the amount of \$93,850.00 for the components required to convert Lift Station No. 42 from a flooded-suction lift station to a submersible lift station
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MEMORANDUM

TO: Dr. Brenda Fettrow, City Manager
FROM: Jim Elmore, WWT Director
DATE: December 16, 2019
SUBJECT: Three Meadows Lift Station - Conversion

*approved to go
to Council
Dr. Fettrow
12/16/2019*

The Three Meadows Lift Station located at 1214 Three Meadows Drive was put into service in July of 1987 and has served the City well. Currently the station is a 50 horse power flooded suction lift station.

The 480 volt control panel and 50 horsepower pumps are located in an 8 foot diameter iron cylinder 26 feet below ground elevation. The iron cylinder is actually 2.37 feet below sea level and is showing signs of deterioration and beginning to leak ground water.

We are proposing to convert the existing 50 horse power flooded suction cylinder/can station to a 75 horsepower submersible station. This will require staff to install stainless steel slide rails, piping in the wet well and an external valve assembly while maintaining service to the residents in the Three Meadows subdivision.

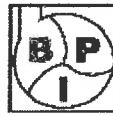
Over the past 30 plus year's City staff has converted 17 other cylinder/can stations to submersible pump stations. By converting Lift Station 42 to a submersible station, this will eliminate the risk of ground water from penetrating into the electrical control and pump room and eliminate a confined space entry for City staff.

I would like to formally request \$93,850.00 from renewal and replacement account 400-0036-535-6405 to purchase the electrical components to begin this project.

Submitted for council's approval.

*This is already
budgeted this
fiscal year.*

Bill to:
 City of Rockledge
 1600 Huntington Lane
 Rockledge, FL 32955



BARNEY'S PUMPS INC.

Ship to:
 City of Rockledge
 1600 Huntington Lane
 Rockledge, FL 32955

Telephone (863) 665-8500
 Fax (863) 666-3858

Attn: Steve Blachaniec
 Phone: 321-914-2112
 Fax: 321-690-3987
 E-mail: sblachaniec@cityofrockledge.org

Quotation

Page 1 of 6
 Number SQ009760-4
 Date 10/4/2019
 Customer number 0000263
 Customer P.O.
 Destination country
 Our ref. 001059
 Quotation deadline 11/4/2019
 Payment Net 30 days

Item number	Description	Quantity	Unit	Sales price	Amount
	Lift Station 42 Rehab	1.00	EA	93,850.00	93,850.00
	(2) Hydromatic model S4T7500M4-4 submersible pumps with 13.00" impellers, 4" discharge, 75HP, 1750 RPM motors with seal failure and thermal overload sensors, 50' power cord, lifting bail, lifting cable, and discharge flange				
	Barney's Pumps	2.00	EA	0.00	0.00
	Elbow, 4in on 4in risers				
	Barney's Pumps	2.00	EA	0.00	0.00
	Bracket, Upper guide for 2in guide rails				
	Barney's Pumps	2.00	EA	0.00	0.00
	Bracket, Intermediate guide for 2in guide rails				
	Barney's Pumps	1.00	EA	0.00	0.00
	Cable Holder, 6 hook 316SS				
	GrailXL	4.00	EA	0.00	0.00
	Material = 316SS				
	Diameter = 2 in				
	Length = 30'				
	Wet Well Cover	1.00	EA	0.00	0.00
	Cover, Aluminum 48" X 48" Double Door Rated with Side and HOA Side Nutrail, 300PSF				
	Valve Vault Cover	1.00	EA	0.00	0.00
	Cover, Aluminum 48in x 48in Double Door Rated 300PSF				
	City of Rockledge Devar type duplex control panel	1.00	EA	0.00	0.00
	Includes 75HP soft starts and 200A generator receptacle				
	City of Rockledge SS junction box	1.00	EA	0.00	0.00
	Barney's Pumps Startup Services	1.00	EA	0.00	0.00
	Hydromatic	1.00	EA	0.00	0.00
	Impeller, S4T, 13.00 in				
	SPARE PART				
	Hydromatic	1.00	EA	0.00	0.00
	Wear Ring, S4T				
	SPARE PART				

Bill to:
City of Rockledge
1600 Huntington Lane
Rockledge, FL 32955



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Page 2 of 6
Number SQ009760-4
Date 10/4/2019
Customer number 0000263
Customer P.O.
Destination country
Our ref. 001059
Quotation deadline 11/4/2019
Payment Net 30 days

Freight allowed to City of Rockledge.

The above quotation does not include installation, piping, valves, gauges, concrete structures, anchor bolts, seal-offs, main disconnect, or odor control system.

Thank you for the opportunity to earn your business.

Lead times and/or ship dates are estimates only and are based on the information available at the time of quotation. Please note that these times/dates are subject to change. If shop drawings are required for approval, please request them from our office.

Order processed per Barney's Pumps standard terms and conditions of sale, and all terms and conditions of Barney's Pumps Terms of Sale & Warranty are incorporated herein by this reference as if fully set forth herein.

Charges below include freight and any other miscellaneous charges.

All shipments are F.O.B. Origin.

SIGN BELOW AND RETURN TO AUTHORIZE ORDER:

PRINT NAME	SIGNATURE	DATE
Quoted by:	Wade K Carreno	
E-mail:	carrenow@barneypumps.com	

Sales subtotal amount	93,850.00
Charges	0.00
Net amount	0.00
Sales tax	0.00
Total	93,850.00 USD