

RESOLUTION 18-42

A RESOLUTION OF THE CITY OF PANAMA CITY BEACH, FLORIDA, APPROVING THE PURCHASE OF A REPLACEMENT PUMP FOR THE MAGNOLIA BEACH LIFT STATION FROM JIM HOUSE & ASSOCIATES, INC., IN THE AMOUNT OF \$19,700.

Whereas, the City finds it necessary to replace a pump at a City Lift Station, and has obtained competitive quotes for such replacement; and

Whereas, the Charter provides that a purchase by or on behalf of the City of goods which are to be used exclusively for the operation or maintenance of the City's potable water, stormwater, reuse-water or wastewater utility, or any combination of those utilities, and requiring the expenditure of not more than \$25,000 may be made by substituting competitive quotes for competitive bidding.

NOW THEREFORE BE IT RESOLVED that the appropriate officers of the City are authorized but not required to accept and deliver on behalf of the City that certain Agreement between the City and Jim House & Associates, Inc., relating to the purchase of a replacement pump for the City's Magnolia Beach Lift Station (No. 128), in the basic amount of Nineteen Thousand, Seven Hundred Dollars and No Cents (\$19,700), in substantially the terms and conditions of the quote attached and presented to the Council today, draft dated November 21, 2017, with such changes, insertions or omissions as may be approved by the City Manager and whose execution shall be conclusive evidence of such approval.

THIS RESOLUTION shall be effective immediately upon passage.

PASSED in regular session this 11th day of January, 2018.

CITY OF PANAMA CITY BEACH

By: 

Mike Thomas, Mayor

ATTEST:


Jo Smith, City Clerk

Jim House & Associates, Inc.
 1401 Georgia Road
 Irondale, AL 35210
 PO Box 101957 (35210)
 (205) 592-6302 (800) 292-6335
 Fax: (205) 951-0291



Since 1957

Gulf Coast Office
 24312 Highway 98
 Fairhope, AL 36532
 (251) 928-7867 (800) 919-7867
 Fax: (251) 928-7804

Quote

Name / Address
CITY OF PANAMA CITY BEACH 110 SOUTH ARNOLD ROAD PANAMA CITY BCH FL 32413

Project	Date	Estimate #
Magnolia Bay LS#128	11/21/2017	6700
FREIGHT	Allowed	

Estimate Description	Qty	COS	Total
MAGNOLIA BAY LIFT STATION #128			
OPTION 1 EXACT REPLACEMENT CP3201.091 - 457 Impeller, FM rated motor, 47HP/460V/3/60Hz rated to deliver 700 GPM @ 109' TDH.	1	23,882.00	23,882.00
OPTION 2 NP3202.095-460 (45HP, 460/3/60, 6" Discharge, FM, FLS). This is pump has a Hard Iron Impeller and Volute Insert.	1	19,700.00	19,700.00
DELIVERY IS NORMALLY 9-10 WEEKS, ARO.			

Approved By: _____

Total:	\$43,582.00
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AAG Electric Motors & Pumps, Inc
2340 Industrial Drive
Panama City, Florida 32405
850-763-9386

November 8, 2017

City of Panama City Beach
Attn: Ben

Re: Flygt Repair L/S 128

AAG Job # 20296

AAG Services is pleased to offer the following quote for your consideration.

Date code on pump: 2008

Impeller and volute has substantial wear, the impeller is paper thin and has holes in the shroud.

Flygt, 47 hp, 460v, 3201.091, 6090, 0870005

Rewind Stator	\$ 1,450.00
Repair Kit: Mechanical Seals, Bearings, Orings	\$ 5,407.26
Belzona Repair / Coat Volute	\$ 775.00
New Impeller	\$ 3,897.88
Mobile Wear Ring	\$ 336.44
Stationary Wear Ring	\$ 168.20
50' NON-OEM Power / Sensor Cable	\$ 862.18 * seven conductor for sensors, equivalent to OEM
Oil	\$ 72.00
Labor	\$ 1,560.00
Total	\$14,528.96

Delivery 2-3 weeks.

Estimated Replacement for Budget Purposes Only, Will Need Design Conditions to Confirm Selection.

1ea. WILO 50hp, T34-4/22, FA15.66	\$20,832.00
1ea. WILO Adaptor Flange to Fit Flygt 4" Rail	\$ 1,720.00
Total Delivered Price	\$22,552.00

Teardown and Evaluation if not repaired or replaced with Wilo \$ 425.00

If you have any questions please do not hesitate to contact me.

Thank you,
Keith Gay



AAG Electric Motors & Pumps, Inc
2340 Industrial Drive
Panama City, Florida 32405
850-763-9386

November 8, 2017

City of Panama City Beach
Attn: Ben

Re: Flygt Repair L/S 128

AAG Job # 20296 Revised 11/30

AAG Services is pleased to offer the following quote for your consideration.

Design Point 700GPM @ 109' TDH

1ea. WILO 51hp, T24-4/36, FA15.66, 460v, 50' Cables	\$20,832.00
1ea. WILO Adaptor Flange to Fit Flygt 6" Rail	\$ 1,720.00
1ea. WILO Seal Failure Relay	\$ 310.00
<u>Ceram CO or Belzona 1321 Coating, Interior of Volute and Impeller</u>	<u>\$ 1,200.00</u>
Total Delivered Price	\$24,062.00

Price includes freight and startup. Delivery 14 weeks A.R.O.

If you have any questions please do not hesitate to contact me.

Thank you,
Keith Gay



CITY OF PANAMA CITY BEACH AGENDA ITEM SUMMARY

1. DEPARTMENT MAKING REQUEST/NAME:

Utilities Department - Al Shortt, Utilities Director

2. MEETING DATE:

January 11, 2018

3. REQUESTED MOTION/ACTION:

Approve the purchase of a replacement pump for the City's Magnolia Beach Lift Station (No. 128).

4. AGENDA

PRESENTATION
PUBLIC HEARING
CONSENT
REGULAR

5. IS THIS ITEM BUDGETED (IF APPLICABLE)? YES NO N/A
BUDGET AMENDMENT OR N/A

DETAILED BUDGET AMENDMENT ATTACHED YES NO N/A

6. BACKGROUND: (WHY IS THE ACTION NECESSARY, WHAT GOAL WILL BE ACHIEVED)

Recent inspections of the three pumps in the Magnolia Beach Lift Station found advanced wear on critical portions of one pump. The City has received a quote to rebuild the pump for \$14,528.96, which is nearly the cost of a new pump. Costs for a new, direct replacement produced by the original manufacturer, Flygt, and two other options were obtained and evaluated. One option is a different pump also produced by Flygt and the other is from a competing manufacturer, WILO, that the City also uses within the wastewater system. Although the original pump is still being manufactured, Flygt is currently phasing out production of the direct replacement. A listing of the new pump replacement options and associated costs is as follow:

- Option 1 (Current pump manufacturer direct replacement): Flygt Model CP3201.091 - \$23,882.00
- Option 2 (Current pump manufacturer new replacement model): Flygt Model NP3202 -\$19,700.00
- Option 3 (Competing manufacturer similar pump): WILO Model T24-4/36-FA 15.66 - \$24,062.00

Based upon a review of the performance and cost of the options, City staff recommend purchasing a Flygt Model NP3202.095-460 (Option 2). This option provides a new pump with slightly better performance in lieu of rebuilding the existing old pump. The Flygt vendor is also promising a shorter delivery time of 9-10 weeks compared to 14 weeks by WILO's vendor.

WHY - To allow the City Manager to issue a purchase order to the pump vendor, Jim House and Associates, Inc. in the amount of \$19,700.00 for the purchase and delivery of a replacement pump.

WHAT - To allow timely replacement of the failing existing pump for reliability and longer service life.