

**RESOLUTION 18-40**

**A RESOLUTION OF THE CITY OF PANAMA CITY BEACH, FLORIDA, APPROVING THE PURCHASE OF A REPLACEMENT PUMP FOR THE LIFT STATION AT SPLASH CONDOMINIUMS FROM AAG ELECTRIC MOTORS & PUMPS, INC., IN THE AMOUNT OF \$11,421.40.**

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 AAG Electric Motors & Pumps, Inc., relating to the purchase of a replacement pump for the City's Lift Station at Splash Condominiums (No. 110), in the basic amount of Eleven Thousand, Four Hundred Twenty-One Dollars and Forty Cents (\$11,421.40), in substantially the terms and conditions of the quote attached and presented to the Council today, draft dated November 8, 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 11<sup>th</sup> 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	Quote #
SPLASH LS #110	12/1/2017	6743
FREIGHT	ALLOWED	

Dear customer,  
 As requested, we are pleased to provide a quotation for the following equipment:

Qty	Manufacturer	Model	Item Description
1	FLYGT		SPLASH LIFT STATION #110 REPLACEMENT CP3152 -454, 6" Discharge. FM rated motor, 20HP/230V/3phase/60Hz rated to deliver 640 GPM @ 69.5' TDH. FREIGHT INCLUDED Delivery is normally 9-10 weeks, ARO.

Only the items mentioned specifically herein are included. Additional equipment required for installation such as main electrical service, conduit and wire, discharge piping and/or valves, concrete, or any other necessary items are not included in our proposal and are to be provided by others. Pricing is subject to the attached terms and conditions. Service is available at the per diem rates shown in the attached terms and conditions. All pricing is firm for 30 days from the above date.

<b>Sales Tax (0.0%)</b>	\$0.00
<b>Total:</b>	\$13,250.00

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## Quote

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

PROJECT	Date	Quote #
Splash LS #110	1/4/2018	6960
FREIGHT	Allowed	

Dear customer,  
 As requested, we are pleased to provide a quotation for the following equipment:

Qty	Manufacturer	Model	Item Description
1	FLYGT		FLYGT Submersible pump Model NP3171.095, 25HP, 230V, 3-phase, 60Hz FM rated motor, FLS, Hard Iron Impeller and Impeller/Volute Insert. FREIGHT

Only the items mentioned specifically herein are included. Additional equipment required for installation such as main electrical service, conduit and wire, discharge piping and/or valves, concrete, or any other necessary items are not included in our proposal and are to be provided by others. Pricing is subject to the attached terms and conditions. Service is available at the per diem rates shown in the attached terms and conditions. All pricing is firm for 30 days from the above date.

<b>Sales Tax (0.0%)</b>	\$0.00
<b>Total:</b>	\$15,463.00



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: Pump Repair L/S 110

**AAG Job # 20287**

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

Cause of Failure: seal failure, shaft seal fit is damaged. Pump has wear in the volute around the stationary wear ring, this can be repaired with Belzona, impeller looks good.

Flygt 20hp, 3152.181.6378, 0650016

Rewind Stator	\$ 975.00
Mechanical Seal and Bearing Kit	\$ 2,696.28
New Stationary Wear Ring	\$ 466.00
New Mobile Wear Ring	\$ 449.00
Dynamic Balance Rotor and Impeller	\$ 150.00
Machine Work Shaft Seal Fit	\$ 425.00
Belzona Repair / Coat Volute	\$ 525.00
Oil	\$ 28.43
40' Power Cable (non-OEM)	\$ 756.88
Shop Labor	\$ 980.00
<b>Total</b>	<b>\$ 7,451.59</b>

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

1ea. WILO 20hp, T20-4/22, FA10.65	\$ 9,981.40
1ea. WILO Adaptor Flange to Fit Flygt 4" Rail	\$ 1,440.00
<b>Total Delivered Price</b>	<b>\$11,421.40</b>

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



## 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 Splash Condominiums Lift Station (No. 110).

**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 Splash Lift Station found advanced wear on critical portions of one pump. The City has received a quote to rebuild the pump for \$7,451.59, 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 the 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 are as follow:

- Option 1 (Current pump manufacturer direct replacement): Flygt Model CP3152-454 - \$13,250.00
- Option 2 (Current pump manufacturer new replacement model): Flygt Model NP3171-455 -\$15,463.00
- Option 3 (Competing manufacturer similar pump): WILO Model T20-4/22, FA10.65 (w/ adapter flange for existing rails) - \$11,421.40

Based upon a review of the performance and cost of the options, City staff recommend purchasing a WILO Model T20-4/22, FA10.65 (Option 3). This option provides a new pump with comparable performance in lieu of rebuilding the existing old pump.

**WHY** - To allow the City Manager to issue a purchase order to the pump vendor, AAG Electric Motors & Pumps, Inc. in the amount of \$11,421.40 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.