



Building Community®

Procurement Bid Office
Customer Center 1st Floor, Room 002
21 W. Church Street
Jacksonville, Florida 32202

January 12, 2018

ADDENDUM NUMBER: **FIVE (5)**

TITLE: **PURCHASE AND INSTALLATION OF PONY PUMPS FOR JEA LIFT STATIONS**

JEA ITN NUMBER: **039-18**

RESPONSE DUE DATE: **01/23/2018**

TIME OF RECEIPT: **12:00 PM**

TIME OF OPENING: **2:00 PM**

THIS ADDENDUM IS FOR THE PURPOSE OF MAKING THE FOLLOWING CHANGES OR CLARIFICATIONS:

- 1.) **Supplier Inquiry:** There are 2 sites in the drawing that do not show a Demarcation Box existing nor do they show one being added. Do we assume that if there is no current existing Demarcation Box, that one needs to be added? The 2 sites are as follows:

1. 311 St. Johns Golf Drive Asset Number: LS-002180
2. 268 Bridge Creek Drive Asset Number: LS-000461

Both of these pump stations have old style pump shut off boxes, labelled as service disconnect boxes, which will be utilized in lieu of installing a new demarc box for the float switch wiring.

- 2.) **Supplier Inquiry:** Will JEA provide the $NPSH_A$ (Net Positive Suction Head available)?

No, we are asking the Vendor to calculate the $NPSH_A$ AFTER the pump on/off calculations have been set by the vendor.

- 3.) **Supplier Inquiry:** Can JEA provide a rule of thumb to help understand “max water level” and “pump on level”.

Pump on level is to be set by the manufacturer such that the pump/engine is able to cycle as required to ensure proper operation of the pump and engine, including battery charge time and engine run time. Max water level is the level that may not be exceeded when filling the wetwell to the pump on level. That elevation is a function of the influent gravity sewer system, with a set safety factor added in, and is set in place a means to avoid a sewer system overflow during normal operation of the pony pump. The vendor may set pump on level equal to max water level, but may not exceed it.

- 4.) **Supplier Inquiry:** II.13. Engine starting system shall include an electric motor start system of not less than 24 volts. Will 12 Volt systems be acceptable? 12 Volts systems are more than capable of starting the engines for all 25 lift stations?

No, a 12-volt systems is not acceptable, JEA prefers a 24-volt system so that it can charge/power the 24-volt SCADA in the event of power outage.

- 5.) **Supplier Inquiry:** Section V.1 Weatherproof Enclosure 5000 Marine Grade Aluminum Construction. Will 14 Gauge Galvanneal be an acceptable substitute?

No, Section 470 requires 5000 Marine Grade Aluminum as the only acceptable material.

- 6.) **Supplier Inquiry:** Section V.6 Requires wind rating of 150 MPH. How will JEA hold the manufacturers accountable for meeting this requirement? What specific certifications are required?

As an approved manufacturer, JEA expects that the manufacturer has made provision to ensure that all applicable specifications identified in Section 470 are adhered to. No certifications are required as proof.

- 7.) **Supplier Inquiry:** Regarding Technical specification Section V.7 – “Acceptable Enclosure Manufacturers are Phoenix, Advanced Manufacturing & Power Systems, or Fidelity Manufacturing.” Will MGS Inc be acceptable as an equivalent enclosure manufacturer? MGS Inc. 178 Muddy Creek Church Rd. Denver, PA 17517 800.952.4228, www.mgsincorporated.com?

The phrase “or approved equal” was approved by the Pump Station Standards Committee to be added to Section 470, paragraph V.7

Any enclosure manufacturer which is not listed in Section 470 must be submitted for approval to Mr. Kerry Lewis, JEA Standards Engineer, via email at lewikg@jea.com. Mr. Lewis may be contacted directly at (904) 665-7273. Any enclosure manufacturer other than those listed in Section 470, which are included in this bid package, must be submitted to Mr. Lewis prior to bids being received.

- 8.) **Supplier Inquiry:** Section VII.1 Fuel Storage Tank 72 hours run time of uninterrupted operation at 100% RPM capacity Would it be acceptable to size the fuel tanks to 72 hour capacity at the RPM required for the lift station design point instead of the engines 100% RPM capacity?

The Pump Stations Standards Committee met and agreed that the following answer shall apply and that this language will be added to Section 470:

The pump/engine manufacturer shall size the belly tank to provide a 72 hour capacity at maximum fuel consumption for the designed pump operating speed. If a belly tank is not available of sufficient size to meet this requirement, the manufacturer shall supply the largest belly tank available for that specific pump/engine configuration. Inability to meet the 72-hour run time must noted and is subject to approval for this project.

Section 470, paragraph VII.1, will be revised to reflect this wording in the future and clarification will be added to better define “uninterrupted operation”.

- 9.) **Supplier Inquiry:** III.4. Centrifugal pump shall be capable of handling 3” diameter non-compressible solids. Some of these stations have such low flows or high heads that a 3” solids handling capability is unreasonable, will a shredding style pump be acceptable/ will smaller solids handling be acceptable?

A 3” minimum solids handling capability is required, per Section 470, paragraph III.4. Because of the nature of these installations and the operation being designed for emergency usage, that diameter shall not be reduced.

- 10.) **Clarification:** to Addendum Three (3). Two questions were answered and need to be clarified:

Addendum 2 Supplier Question 1 - The enclosure does not included usually 3 point latch, Addendum 2 JEA Response – “This is a new requirement in section 470”

Addendum 3, additional clarification: – “The requirement for a 3 point latch is not new, it was included in the most recent Section 470 and is still a requirement in the current Section 470”

Addendum 2 Supplier Question 2 – The deck of the tank is not usually ¼” non skid, Addendum 2 JEA Response – “This is a new requirement in section 470”

Addendum 3, additional clarification: – “The requirement for the tank deck to be ¼” non skid is not new, it was included in the most recent Section 470 and is still a requirement in the current Section 470”

Acknowledge receipt of this addendum on the Response Form