

**96695 APPENDIX A - TECHNICAL SPECIFICATIONS**  
**PONY PUMP UPGRADE RTU BACK PANEL CONSTRUCTION SERVICES**

The selected Contractor shall provide self-contained control panels as described herein according to all JEA Water and Sewer Standards Section 433 and the provided drawings. Panels shall be fabricated and properly stored at the Contractor's facility until delivery to the appropriate JEA facility. All work will be in accordance to all applicable design and construction standards and regulations.

Contractor will manufacture and deliver the panel types and quantities listed below:

- 1) Forty-two (42) Pony Pump Retrofit Back Panels per the attached drawing and JEA Water and Sewer Standards Section 433.

JEA will provide the following components to the Contractor in the appropriate quantities:

Manufacturer	P/N	Description
Siemens	6AG1 215-1AG40-4XB0	CPU 1215C DC/DC/DC, 14 DI - 10 DO PLC
Siemens	6ES7 954-8LC02-0AA0	SIMATIC Memory Card, 4MB
Siemens	6AG1 221-1BH32-4XB0	16 Digital Input Module
Siemens	6AG1 231-4HD32-4XB0	4 Channel Analog Input Module
Siemens	6AG1 241-1AH32-4XB0	Communication Module, RS232

All other components and materials not listed above will be provided by the Contractor.

As-built drawings laser printed in color on 11"x17" paper must be included with each completed panel. Digital copies must be submitted to JEA in PDF and AutoCAD 2015 format. The AutoCAD .DWG file will be made available to the Contractor.

Completed panels are to be stored at the Contractor's facility until delivery to the following JEA facilities in the noted quantities.

- 9 Panels Cedar Bay WRF  
1840 Cedar Bay Road  
Jacksonville, FL 32218
- 18 Panels Arlington East WRF  
1555 Millcoie Road  
Jacksonville, FL 32225
- 9 Panels Mandarin WRF  
10828 Hampton Road  
Jacksonville, FL 32257
- 6 Panels Southwest WRF  
5420 118th Street  
Jacksonville, FL 32244

The Contractor's facility must be located within JEA's service territory.

The Contractor shall provide fixed (lump sum) pricing to complete the work as described. Pricing shall include all costs associated with the construction and delivery of the panels, including but not limited to: labor, materials, consumables, testing, construction fixtures, overhead, profit, and any other direct or indirect costs.

Twenty-one (21) Retrofit Back panels must be completed and delivered by April 15, 2019. All panels must be completed and delivered to JEA by May 31, 2019. Invoices shall be submitted for payment as panels are received and accepted by JEA.