

**014-21 APPENDIX A - TECHNICAL SPECIFICATIONS
PURCHASE AND INSTALLATION OF NEW GENERATORS FOR JEA LIFT STATIONS**

1. SCOPE OF WORK:

The Contractor shall furnish equipment, install, and test a complete, self-contained, automatic standby emergency generator system as specified herein and according to established JEA Standards (https://www.jea.com/Engineering_and_Construction/JEA_Facilities_Standards/ https://www.jea.com/Engineering_and_Construction/Water_and_Wastewater_Standards/). Contractor(s) shall submit Engineered Drawings to JEA for approval. The self-contained emergency electric system shall consist of an electric generating unit, which upon interruption of normal power from transformer, will start automatically and, by an automatic transfer switch, will disconnect load from normal supply and connect load to emergency generator. Diesel engine driven electric generator set shall be of the latest commercial type and design with all necessary switchgear, and controls. Contractor shall furnish fuel tank, sound attenuated aluminum generator set enclosure, and all accessories necessary for a complete and operable installation. All materials shall be new unless specifically called for otherwise.

2. GENERATOR SUBMITTALS:

Submittal shall be sent by the Contractor to the project administrator as soon as possible for approval prior to start of construction. Submittal shall include:

- One paper submittal, with an electronic copy
- Submittal of the generator set, complete power and control wiring diagrams, foundation requirements, auxiliary equipment required including tanks, switches, controls, weatherproof enclosure, automatic transfer switch, generator breaker, wiring and accessories
- Manufacturer's product data describing unit, auxiliary equipment required, including switches, engine, pump and motor shall be included.
- GENERATOR DESIGN IS BASED ON ALL PUMPS RUNNING AT FULL LOAD.
- JEA will review and return all submittals within two (2) weeks of receipt.

3. SAFETY

- 3.1. All Contractor personnel who perform work on JEA property must be JEA safety certified and adhere to JEA Safety and Training regulations. The Contractor shall adhere to current JEA Safety and Training regulations as referenced in the contract documents.
- 3.2. The Contractor shall take all precautions to protect the safety of its employees and others. Work safety requirements shall comply with JEA Company Safe Work Practices Manual available on-line at: https://www.jea.com/About/Procurement/Become_a_Vendor/Contractor_Safety/Qualification_Requirements/
- 3.3. In the event Maintenance of traffic required; there must be a F.D.O.T. Maintenance of Traffic (MOT) Intermediate Level certified individual on site. Individual must be on site for the duration MOT is in place. All MOT must be removed from traffic at the end of the work day.
- 3.4. The Contractor shall familiarize every member of the crew with all fire and safety regulations recommended by OSHA, and other industry or local governmental groups.
- 3.5. The Contractor shall be responsible for ensuring that all personnel have received the appropriate training. Supervisors may also be required to have additional training.
- 3.6. The Contractor shall provide, and personnel must wear, proper Personal Protective Equipment (PPE) as required by OSHA and JEA. PPE minimums include safety footwear, plastic hard hat (no metal), and safety glasses. Hearing protection is required while operating machinery or equipment (including saws) or other loud equipment. Footwear must have steel toe caps.

- 3.7. The Contractor shall exercise extreme care when working around energized lines or equipment to prevent accidents and interrupting service. If any such incident should result, the JEA Contract Administrator shall be immediately notified of the location of such incident.
- 3.8. The Contractor shall be responsible for all damages to JEA property and personal injury caused by non-compliance with Safety and training requirements.

4. CONTRACTOR PERSONNEL

- 4.1. All services rendered shall be by uniformed employees (company identified shirts and hard hats) of the Contractor. Shirts with offensive logos or messages, ripped jeans, shorts, tennis shoes, and sleeveless shirts are not acceptable.
- 4.2. Parking is the responsibility of the Contractor. Parking on JEA property may be approved at the sole discretion of the JEA Contract Administrator.
- 4.3. Any worker employed by the Contractor, who exhibits inadequate experience and knowledge or is incapable in his/her field, shall be removed from the work site at the discretion of the JEA Contract Administrator.

5. ADMINISTRATIVE COST AND PROFIT

- 5.1. The administrative cost, profit and other indirect Contractor costs shall not be permitted as separate billable costs. These costs should be included in the Bid Price.
- 5.2. JEA shall pay the Contractor for each install per the Unit Price. Unit prices stated in the Bid Workbook shall include all labor expenses including, but not limited to, small tools and consumables needed to perform the install and testing, needed, travel, meals, per diem, salaries, benefits, overheads, etc. Travel costs and travel time shall not be paid by JEA.

6. INVOICING

- 6.1. Company's invoice shall include the following: Contractor's company name and address, JEA's Purchase Order and work order numbers, the date and location of service provided, total amount payable with a breakdown showing cost per Unit.
- 6.2. No invoice shall be paid without the required information as stated in Section 6.1 above.
- 6.3. Invoiced pricing must match the pricing as stated on the Contractor's Bid Workbook.

7. SITE CONDITIONS

- 7.1. The Contractor shall prevent access by the public to materials, tools, and equipment during the course of repair and maintenance.
- 7.2. All doors, lids, and gates shall be locked and secured at all times when unattended.
- 7.3. It is the policy of JEA to provide healthy, tobacco-free facilities for all employees and visitors. This policy prohibits the smoking of any tobacco product and the use of oral tobacco products, as well as e-cigarettes and it applies to employees, contractors and visitors. Company employees shall not use tobacco products while on JEA property or in the course of performing work on behalf of JEA.

8. DISPOSAL OF WASTE GENERATED DUE TO CONTRACTOR WORK

- 8.1. The Contractor must dispose of all waste generated as a result of this Contract at an officially permitted location.
- 8.2. Any fees and/or charges associated with this disposal should be included in the Contractor's Bid Price. JEA shall not pay additional charges/fees for waste disposal.
- 8.3. The Contractor shall conform to environmental regulations of public agencies, including local jurisdiction.
- 8.4. The Contractor shall be accountable for timely clean-up and remediation associated with any containment spills, accidental or otherwise, including, but not limited to, chemicals, diesel fuel, gasoline, lubricants, cleaning fluids, or toxic chemicals.

9. PERMITS

The Contractor shall obtain all permits required by local agencies and pay all fees which may be required for the performance of the work and removal/disposal of hazardous materials. The Contractor shall provide copies of all local, state and Federal permits required for the work described in this contract to the JEA Contract Administrator.

10. SPECIAL WEATHER EVENT

In anticipation of a weather event where damage to JEA facilities could occur, the Contractor shall take steps to ensure that JEA shall be a priority for securing all equipment to minimize damage to equipment or existing facilities.