

## **97913 Septic Tank Phase-Out Pilot Project**

### **Appendix A - Technical Specifications**

#### **GENERAL INFORMATION/SCOPE OF SERVICES:**

JEA may require any or all the services contained in the Scope of Services during the contract period.

A drain field inspection is to be performed by the Contractor for each property identified by JEA to determine the extent of drain field replacement or restoration, if any. If the proposer indicates no drain field will be required for its system or no modification will be needed, then the proposer must demonstrate the same.

The Contractor will provide a cost estimate outlining the work to be performed. Replacement of drain field will be installed as required by the performance of the new wastewater treatment system and any regulatory requirements, if needed. The Contractor shall include testing and remediation in its cost estimate. The Contractor must ensure continuous septic service for each customer throughout the installation of the new treatment system.

The Contractor will provide a cost estimate for pump out services for the septic tank. The Contractor will also provide estimates for removal or onsite abandonment of the existing septic tank and installation of a new onsite wastewater treatment system.

Contractor will apply for the necessary County or State permit as required to complete the work within three (3) days after receipt of the Notice to Proceed (NTP) issued by JEA. Extension of the three (3) days must be requested and approved by JEA.

#### **Permits, Taxes and Licenses:**

The successful Contractor shall be responsible for and, at its own expense, obtain all necessary permits, pay all licenses, fees and taxes, required to comply with all local laws and ordinances; county, state and federal, laws, rules and regulations which are applicable to the business to be carried on under this contract.

#### **Estimated Quantities:**

No warranty or guarantee is given or implied as to the actual number of jobs, properties or projects that will be made available to the Contractor during the contract term.

#### **DELIVERY REQUIREMENTS:**

JEA is seeking to contract with a Contractor(s) that will complete drain field services, pump out and abandon onsite or remove existing septic tank units, and install a new onsite wastewater treatment system no later than ten (10) working days after the issuance of the proper permit(s).

#### **TECHNICAL SPECIFICATIONS FOR DRAIN FIELD REPLACEMENT (If required by the proposed system):**

Evaluate the existing drain field to ensure that it will have adequate capacity to meet the new wastewater treatment performance requirements and applicable County or State rules or law.

If needed, excavate and install new drain field, size to be determined by applicable County or State rules or law and perform a soil profile test.

Tie in new lines as required to hook up new drain field to the new On-site Wastewater Treatment System tank. Provide all labor and materials to make all plumbing connections for the system to work.

All excess fill generated shall be disposed of in a manner that meets Federal, State and Local laws.

Replace landscape to existing conditions.

#### **SPECIFICATIONS FOR SEPTIC TANKS - PHASE-OUT PROGRAM:**

The septic tank phase-out program involves two distinct components. They include the Capital Expenditure (CAPX) associated with the removal/abandonment of the existing septic tanks and all costs to install the new wastewater treatment system. The second component includes Operational Expenditures (OPX). OPX are the expenses associated with the ongoing operation and maintenance of the new wastewater treatment. JEA intends to subcontract the operation and maintenance of these systems to the successful proposer. JEA prefers proposers capable of presenting turnkey proposals for both the CAPX and OPX components of the project.

Proposers are encouraged to consider the following key points as they relate to both CAPX and OPX.

#### CAPX KEY POINTS:

The successful proposer shall:

- Be responsible for the removal/abandonment of the existing septic tank;
- Be responsible for the installation of the new wastewater treatment system;
- Install an electrical service for the wastewater treatment system and metering device;
- Install interconnected telemetry equipment, if necessary, for the replacement tank;
- Connect the customer's existing plumbing to the replacement tank using all necessary plumbing materials and labor;
- Maintain the customer's ability to use septic service throughout the installation of the new treatment system;
- Connect the new wastewater treatment system to the customer's existing, modified or new drain field;
- Be expected to attend various public meetings (in a support role) upon request;
- Conduct all septic tank abandonment in accordance with Florida Administration Code 64E-6.01 1;
- Install wastewater treatment system meeting the established effluent requirements. Contractor to make all required connections to connect to existing plumbing;
- All excess fill generated is to be spread throughout the job site or removed; and
- Replace landscape to existing conditions.

#### OPX KEY POINTS:

The successful proposer shall:

- Have a Class C Wastewater Treatment Plant Operators Certification by the Florida Department of Environmental Protection (FDEP) to operate and maintain the Distributed Treatment System;
- Collect periodic samples, per any FDEP operating permit requirements;
- Complete analytical laboratory reports, prepared by a state certified lab;
- Prepare and file timely monthly operating reports (MOR) with FDEP, required, and provide a copy to JEA
- Telemetry monitor key variables;
- Complete replacement tank repair and maintenance as needed;
- Establish a location for an easement that covers the replacement tank systems as well as operator ingress and egress and electrical services;
- All CAPX proposals must be presented on a per unit basis. All OPX proposals must be presented in a monthly cost per unit, per customer; and
- Obtain and comply with all proper permits and required inspections.