

City of Fort Lauderdale

City Commission Agenda Item

#12-1222

TO: Honorable Mayor & Members
Fort Lauderdale City Commission

FROM: Lee Feldman, City Manager

DATE: August 21, 2012

TITLE: Motion to approve the acquisition of cost estimating consulting services for the Fiveash Water Treatment Plant construction project – ITB 423-10981 - \$62,605

Recommendation

It is recommended that the City Commission approve the acquisition of cost estimating consulting services for the Fiveash Water Treatment Plant construction project, bid number 423-10981, from the low responsive and responsible bidder, Quantities Inc. in the amount of \$62,605.

Background

The overall construction project for the Fiveash Water Treatment Plant is composed of two large projects that will be combined into one bid package and construction project. The projects were combined because they overlap each other in some areas and will have to share the small amount of available space on the plant for material storage, contractor staging and construction offices.

The first project is named Fiveash Reliability Upgrades, Phase 2. The scope of work for this project consists of a wide variety of repairs and renovations including: a new storm water collection system on the west side of the plant; replacement of the air starting system for the high service pump diesel engines; replacement of the vacuum priming system for the high service pumps; reconfiguration of valves and the metering system for the high service pumps; upgrades to the controls for the transfer pumps; replacement of the “store front” glass and frame across the plant entrance with hurricane resistant frame and glass; replacement of the compressed air system piping for the entire plant; repairs and upgrades to the two elevators; remodeling the main control room, laboratory, break room, and facility manager’s office; replacement of the flooring and ceiling for the operations building; replacement of the system for loading and transporting lime; replacement of the controls for the wash water recovery pumps and the wash water transfer pumps; replacement of the plant-wide control system; replacement of air conditioning system in the operations building; repair of hurricane damage;

repair of leaking building joints; waterproofing the exterior of the high service pump station No 2 building; removal of the failing acoustic ceiling tiles in high service pump building no 2, replacement of several roofs; replacement of the plant's obsolete emergency generators with new ones in a new generator building; and the installation of a plant-wide fire alarm monitoring system.

The second project is named Fiveash Disinfection System Replacement. The scope of work for this project is to build a new facility for the storage, dilution and dosing of sodium hypochlorite, a water based solution of chlorine disinfectant. The "hypochlorite facility" will replace the existing chlorination system which uses the very dangerous elemental chlorine gas. Chlorine gas is stored on the plant in a railroad tank car and in several containers containing 2,000 pounds of pure chlorine gas each. Because of the hazardous nature of the gas, and the potential for severe damage for neighborhoods within several miles of the water treatment plant in the event of a release, the City has decided to switch sources of chlorine to the much safer sodium hypochlorite.

A detailed cost estimate for the Fiveash Water Treatment Plant construction project is necessary to verify funding and minimize impacts to the ongoing Community Investment Program. Design is complete for this project and the preliminary estimate for the project construction cost is between \$22MM and \$25MM. Due to the uncertainty associated with a preliminary cost estimate, bids could be several million dollars higher. A more precise estimate is necessary to provide adequate funding for this work.

The Procurement Services Division issued bid requests to 5607 vendors and received 2 responses. Quantities Inc. was the lowest responsive in the amount of \$62,605.

Resource Impact

There is a fiscal impact to the City in the amount of \$62,605.

FUNDS AVAILABILITY LOCATION:								
		SUB				SUB		
FY	FUND	FUND	FUND NAME	INDEX #	INDEX NAME	OBJECT #	SUBOBJECT NAME	AMOUNT
2012	454	01	WATER & SEWER GENERAL CAPITAL PROJECTS	P11589.454	FIVEASH WTP DISINFECTION IMPROVEMENTS	6599	CONSTRUCTION	62,605.00
					TOTAL			62,605.00

Attachment(s)

Exhibit 1 - Bid Tabulation 423-10981