



CITY OF TAMPA, FLORIDA - RFQ
 c/o Contract Administration Department
 306 E. Jackson Street # 280A4N
 Tampa, FL 33602

18-D-00002; David L. Tippin Water Treatment Facility Solids Dewatering Improvements – Design

Public Announcement In Compliance With Requirements Of Chapter 287.055, Laws Of Florida, Consultants Competitive Negotiation Act, As Amended, The City Of Tampa's Equal Business Opportunity Program, City of Tampa Code Chapter 2, Article V, Division 3, Section 2-282, and Applicable Federal Law. Submitters will be Notified of Intent To Award by E-mail.

RFQ - 18-D-00002 - The City of Tampa Water Department desires to obtain **Professional Engineering services** to prepare construction bid documents to replace **solids dewatering equipment** at our sludge processing facility. Services desired are as follows:

- Design the replacement of existing belt presses with like kind
- Design the replacement of a dry polymer system with an emulsified polymer activation system

Treatment Background: The David L. Tippin Water Treatment Facility produces about 75 mgd of potable water for the customers of the Tampa Water Department (population of about 600,000; 135,000 service locations). The plant is permitted to produce 82 mgd (average daily flow) and 120 mgd (peak flow). The primary source of water for the plant is the Hillsborough River. The treatment plant utilizes three parallel coagulation, flocculation, and sedimentation treatment trains. Each train has the capacity to treat up to 40 mgd of raw water. Two trains employ conventional rapid mix, flocculation, and sedimentation processes. The third train utilizes the Actiflo process. Ferric sulfate is used as the coagulant; it is supplemented with a polymer. The ferric sulfate sludge produced during treatment is treated at a remote sludge processing facility located about a half mile north of the plant. The resulting ferric humate solid is hauled off-site for use as a soil supplement.

Dewatering Facility: The David L. Tippin Water Treatment Facility pumps thickened sludge to the Sludge Processing Facility (SPF). The SPF receives and stores the sludge in a 1 million gallon tank and is dewatered during the day shifts of Monday through Friday. The SPF currently houses (6) belt presses, cake conveyor system, polymer batching tanks, control room, and other associated appurtenances and piping. Sludge parameters are as follows.

Parameter	Value
Average Solids Loading (Dry tons/day)	12.2
Maximum Month Solids Loading (Dry tons/day)	17.2
Maximum Day Solids Loading (Dry tons/day)	43.6
Peak Season	Summer
Average feed solids (%)	0.8
Average Polymer Use (lbs/dry ton)	≈ 15 - 16
Average Cake Solids (% Solids)	≈ 16 - 17
Shifts (Low season)	1
Shifts (During peak season)	2
Monthly Average of Hauled Sludge (cubic yards)	3100

Estimated fee is \$900,000.

A pre-submittal conference will be held at 10 AM Tuesday, November 14, 2017, in the D.L. Tippin Water Treatment Facility Conference Center (Maintenance Building), 7125 N. 30th Street, Tampa, FL 3361. The only Site Visit/Walk - Through will follow the meeting. Firms must email names and companies represented for all attendees a minimum of 24 hours in advance to WPSecurity@tampagov.net to obtain security clearance. Attendance is not mandatory.

A link to additional material may be provided at demandstar.com and at: <http://www.tampagov.net/contract-administration/programs/architectural-engineering-construction-and-related-rfq>. Unless otherwise posted, no further data or site visits will be available before the deadline established for the submission of Letters-Of-Interest.

Questions may be directed to Jim Greiner, P.E., Contract Administration, City of Tampa, (813) 274-8598, or E-Mail Jim.Greiner@tampagov.net.

Firms must provide evidence of any required licenses or registrations with its submission or within ten days thereof in order to be considered.

Firms desiring to provide these services to the City must submit A Single Electronic File in Searchable PDF format, Smaller than 3MB, that includes a Letter of Interest referring to RFQ 18-D- 00002, Statement of Qualifications and any supplemental material allowing evaluation for further consideration(short-listing) based upon the following criteria/point system: Successful Comparable Project Experience, (40); Successful Comparable Municipal Water Treatment Project Experience (35); Workload and availability (5); Past performance/Low amount of City work (5); Standard Form #A305 without financial info. #330 (or #254)(5); Planned WMBE/SLBE Solicitation & Utilization, Form MBD 10 & 20 (10 pts). The PDF file must be addressed to:

Brad L. Baird, P. E., Chairman, Consultants' Competitive Negotiation Committee, City of Tampa – c/o CAD - 4th Floor North, 306 E. Jackson Street, Tampa, Florida 33602.

The PDF must be E-Mailed to

ContractAdministration@tampagov.net

BEFORE 2 P.M., Thursday, November 30, 2017.

Submissions received on the day of the deadline may not be acknowledged by return-e-mail before the deadline.