



AGENDA ITEM EXECUTIVE SUMMARY

Agenda Item number: *IO

Title:

Recommendation to approve a Resolution to Approve Professional Service Agreement for Well #7 and #13 Interconnection Project to Trotter and Associates, Inc. in the amount of \$867,000

Presenter:

Tim Wilson

Meeting: City Council

Date: April 27, 2020

Proposed Cost: \$867,000

Budgeted Amount: \$948,010

Not Budgeted:

Executive Summary (if not budgeted please explain):

As part of the 2018 Water Master Plan, two critical issues were identified. The first was a city-wide capacity issue and the second was the Well # 7 (see attached map) building condition. City staff reviewed several alternatives to both concerns. As a result of these studies, it has been determined that the City could address both the well site and the short-term capacity concerns by combining Well # 7 with the existing treatment plant at Well #13. By doing so, the City would save about \$1.2 million dollars compared to rehabilitating the existing Well # 7 site.

The design portion of the Water Treatment project is budgeted for this year. The existing City-wide water treatment facilities functions at a 0.31 million gallons a day (MGD) capacity deficiency. This project will increase the system wide capacity by 2.1 MGD, aiding to serve developments within the City and greatly reducing the existing capacity deficiency. Additional long-term projects will need to be considered in the future to meet the projected 2030 capacity deficiency of 4.07 MGD.

The Interconnection of Well # 7 and Well #13 will require the completion of several piping reconfigurations. Additional Iron treatment filtration will be added to the Well #13 building. The Well #7 pump will be replaced to meet new head conditions and several electrical and control upgrades will also occur. Sewer line replacement will aid in a local lift station to reach its capacity. The last portion of the project will include demolishing the existing Well # 7 building that was originally constructed in 1965. Design of this project is expected to take a full year with completion near April of 2022. Construction bid advertisements are anticipated to go out the beginning of FY21/22.

The funding source of this project is the Water Infrastructure Loan Program and requires a two-step process for Engineering Procurement based on the qualifications selection. The first step of this process is to issue a Request for Qualifications (RFQ). On December 20, 2019 the City received three (3) RFQ submissions. City staff evaluated the RFQ submittals and ranked the firms based on the standard criteria.

The second step of the process is negotiating the contract and scope of work. The City started the negotiating phase in March 2020. The proposed engineering contract for the project includes Design Services, IEPA loan application, bid process, contractor negotiations and construction phase oversight; budgeting for this project extends over the next three years. Staff recommends to approve and award the engineering contract in its entirety to Trotter and Associates with final funding approved annually as part of the budget approval process.

The engineering fees associated with this project are based on cumulative hourly rates not to exceed total project cost. Based on the complexity and size of the project, the proposal rates provided are comparable to several other Environmental Services projects. The City attorney has reviewed the contract and the recommended changes made.

Attachments (please list):

* Site Map * Well # 7 & 13 Interconnection Project Professional Services Agreement * Resolution

Recommendation/Suggested Action (briefly explain):

Recommendation to approve Professional Services Agreement for Well #7 & Well #13 Interconnection Project to Trotter and Associates for \$867,000 and a Resolution authorizing the Mayor and City Staff to execute the same on the behalf of the City of St Charles.