



Legislation Details (With Text)

File #: ID19-0151 **Version:** 1 **Name:**

Type: Action Item **Status:** Passed

File created: 1/2/2019 **In control:** City Council

On agenda: 1/17/2019 **Final action:** 1/17/2019

Title: Approve Consultant Services Agreement in the amount of \$129,354 with Akel Engineering Group, Inc., a California corporation, for Wastewater Collection System Hydraulic Modeling (Citywide)

Sponsors: Department of Public Utilities

Indexes:

Code sections:

Attachments: 1. 2019-01-17 Attachment 1 - Consultant Services Agreement.pdf

Date	Ver.	Action By	Action	Result
1/17/2019	1	City Council	approved	

REPORT TO THE CITY COUNCIL

January 17, 2019

FROM: MICHAEL CARBAJAL, Director
Department of Public Utilities

THROUGH: DEJAN PAVIC, Supervising Professional Engineer
Department of Public Utilities - Utilities Planning & Engineering

BY: MATTHEW L. BULLIS, Professional Engineer
Department of Public Utilities - Utilities Planning & Engineering

SUBJECT

Approve Consultant Services Agreement in the amount of \$129,354 with Akel Engineering Group, Inc., a California corporation, for Wastewater Collection System Hydraulic Modeling (Citywide)

RECOMMENDATIONS

Staff recommends the City Council approve a Consultant Services Agreement in the amount of \$129,354, including a contingency of \$10,000, with Akel Engineering Group, Inc., a California corporation (Akel), for Wastewater Collection System Hydraulic Modeling and authorize the Director of Public Utilities, or designee, to sign all documents on behalf of the City of Fresno (City).

EXECUTIVE SUMMARY

Under the proposed consultant services agreement, Akel will help manage the City's sewer collection model, including purchasing and installing new sewer system hydraulic modeling software, converting existing data to the new software model, verifying the accuracy of the data, and providing on-call services in support of the hydraulic model. Following a competitive process, Akel was selected as the most qualified consultant offering the best value to the City needs for this project.

BACKGROUND

The City has a sewer collection service area that covers nearly 114 square miles and serves approximately 526,000 residential customers as well as commercial and industrial accounts through a network of approximately 1,600 miles of pipeline and 15 sewers lift stations. The Fresno/Clovis Regional Wastewater Reclamation Facility (RWRF) treats over 57-million gallons of wastewater daily. The City currently utilizes the H2OMAP software from Innovyze to help manage the City's sewer collection system. The software is used to improve service levels by allowing staff to predict wet weather flow conditions, recognize and control unwanted sewer overflow events, and meet environmental regulations.

Innovyze has notified the Department of Public Utilities (DPU), Wastewater Management Division that on January 1, 2019, the H2OMAP software, which is 20 years old, will no longer be supported by the company. Any questions or issues with the software past the January 2019 date will not be addressed. The Wastewater Management Division needs to implement a new hydraulic modeling software program to replace the H2OMAP software. Staff recommends purchase of InfoSewer, the newest sewer modeling software available. In order to make a smooth transition between new and old software platforms several action items must be met: new software must be purchased, existing data in H2OMAP system must be converted to the InfoSewer software, accuracy of the data must be verified and test runs of the InfoSewer model must be conducted to verify system operation. Akel will complete these tasks and will provide on-call services to operate and maintain the InfoSewer model.

In accordance with Fresno Municipal Code Chapter 4, Article 1, and Administrative Order 6-19, DPU conducted a competitive process to invite consultants to provide services to perform Wastewater Collection System Hydraulic Modeling. Announcements were published in the Fresno Business Journal on September 14, 2018, and in Planet Bids on September 20, 2018. The Wastewater Management Division received two Statement of Qualifications (SOQs) by October 16, 2018. The SOQs were evaluated by a selection committee, consisting of representatives from the Utilities Planning and Engineering and Wastewater Management Division. Upon completion of the evaluation, scope of work and fee negotiation process, Akel was selected as being the most qualified consultant able to meet the City's needs for this project and providing the best value for the City.

The services required by this agreement will be completed in approximately 365 consecutive calendar days from the authorization to proceed. The contract is for a not to exceed amount of \$119,354, paid on a time and materials basis, with a contingency of \$10,000, for a total contract amount of \$129,354.

A standard Consultant Services Agreement has been used in accordance with Administrative Order 4-4, and the consultant's Certificates of Insurance have been approved by the City's Risk Management Division. Upon approval by the City Council, the agreement will be executed by the Director of Public Utilities, or designee, who has been delegated this authority by the City Manager.

ENVIRONMENTAL FINDINGS

By the definition provided in the California Environmental Quality Act (CEQA) Guidelines Section 15378 the award of this contract does not qualify as a “project” for the purpose of CEQA.

LOCAL PREFERENCE

Local preference was implemented; Akel Engineering Group, Inc., is a local business as defined by Fresno Municipal Code 4-109(b).

FISCAL IMPACT

There is no impact to the General Fund. This project is identified in the five-year Capital Improvement Plan. Funds for this project are budgeted in the Fiscal Year 2019 Wastewater Enterprise Fund No. 53302.

Attachment: Consultant Services Agreement