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Title: Approve Consultant Services Agreement with Jacobs Engineering Group, Inc., a Delaware corporation, in the amount of not to exceed \$245,606 to provide a condition assessment of capital equipment and components at the Fresno/Clovis Regional Wastewater Reclamation Facility and sewer lift stations (Citywide)

Sponsors: Department of Public Utilities

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Attachments: 1. Attachment 1 - Consultant Services Agreement.pdf

Date	Ver.	Action By	Action	Result
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REPORT TO THE CITY COUNCIL

March 14, 2019

FROM: MICHAEL CARBAJAL, Director
Department of Public Utilities

THROUGH: BRIAN S. SPINDOR, PE^(WA), Assistant Director - Wastewater
Department of Public Utilities - Wastewater Management Division

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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 with Jacobs Engineering Group, Inc., a Delaware corporation, in the amount of not to exceed \$245,606 to provide a condition assessment of capital equipment and components at the Fresno/Clovis Regional Wastewater Reclamation Facility and sewer lift stations (Citywide)

RECOMMENDATION

Staff recommends that City Council approve a Consultant Services Agreement with Jacobs Engineering Group, Inc. (Jacobs), in the amount of not to exceed \$245,606 to provide a condition assessment of selected capital equipment and components at the Fresno/Clovis Regional Wastewater Reclamation Facility (RWRF) and sewer lift stations (Project) and authorize the Director of Public Utilities, or designee, to sign all documents on behalf of the City of Fresno (City).

EXECUTIVE SUMMARY

This Project facilitates an equipment condition assessment program for the RWRF and the sewer lift stations. Protocols will be established for assessing the condition of capital equipment, identifying the likelihood of equipment failure and the consequence of failure, prioritizing equipment maintenance based on the system criticality, and training staff in condition assessment protocols. Jacobs was selected as the most qualified consultant with the expertise to meet the City's needs for this Project.

BACKGROUND

The City has a sewer collection system that covers nearly 114 square miles and serves approximately 526,000 residential customers and numerous commercial and industrial accounts. Over 1,600 miles of pipelines and 15 sewers lift stations are used to convey 57 million gallons of wastewater daily to the RWRF. The treatment of wastewater effluent is a highly mechanized process requiring a variety of specialized industrial equipment. Plant equipment includes pumps, motors, valves, blowers, conveyors, electrical devices, screens, tanks, boiler units, and other capital equipment. This Project will be utilized to identify critical capital equipment and to prioritize equipment maintenance based on key protocols. Protocols will be established for assessing the condition of assets, identifying the likelihood of equipment failure and the consequence of failure, and prioritizing equipment maintenance based on the system criticality. Finally, staff will be trained to inspect equipment based on age, condition, criticality of the assets and allow staff to continue to utilize and maintain the program. The consultant will be tasked with the following action items: complete review of the equipment asset registry and development of schematic diagrams that identify, evaluate and prioritize critical assets; develop methodologies for establishing asset criticality; evaluate assets based on an established criticality matrix; develop matrices for the likelihood and consequence of asset failure; develop methodology for establishing asset condition assessment; evaluate assets based on condition assessment; and train staff in the methodologies for establishing criticality, condition assessment and useful life assessments.

In accordance with Fresno Municipal Code Chapter 4, Article 1, and Administrative Order 6-19, the Department of Public Utilities (DPU) conducted a competitive process for selecting a consultant to provide the requested professional services. On August 9, 2018, announcements were published in the Fresno Business Journal and the City's Planet Bids. Consultants interested in this work were to submit Statement of Qualifications (SOQs) by September 21, 2018. DPU received four SOQs by the deadline. A selection committee, consisting of representatives from the DPU, Utilities Planning and Engineering and Wastewater Collection, evaluated the SOQs and ranked the consultants. Upon completion of the evaluation, scope of work and fee negotiation process, Jacobs was deemed the most qualified consultant able to meet the City's needs for this Project.

The services required by this Consultant Service Agreement will be completed in approximately 245 consecutive calendar days from approval of the contract and authorization to proceed. Staff recommends that City Council approve a Consultant Services Agreement with Jacobs in the amount

of not to exceed \$245,606 to Jacobs.

A standard Consultant Services Agreement has been used in accordance with Administrative Order 4-4, and Jacobs Certificates of Insurance have been approved by the City's Risk Management Division. Upon approval by the City Council, the Consultant Services 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 Consultant Services Agreement does not qualify as a "project" for the purpose of CEQA.

FISCAL IMPACT

There is no impact to the General Fund. Funding for this Project is included in the Wastewater Division's Fiscal Year 2019 Operations and Maintenance budget within the Wastewater Enterprise Fund No. 40501. No additional funding is required for this Project.

Attachment: Consultant Services Agreement