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Title: Approve the Second Amendment to the Professional Consultant Services Agreement with Provost and Pritchard Engineering Group, Inc., to extend the Agreement to October 31, 2018, to complete the Project for the design of well head treatment improvements at Pump Stations 117 and 284 (County Island within Council District 2)

Sponsors: Department of Public Utilities

Indexes:

Code sections:

Attachments: 1. 2017-12-XX Well Head Treatment PS 117 and PS 284 - Amendment 2.pdf, 2. 2017-07-21 Well Head Treatment PS 117 and PS 284 - Amendment 1.pdf, 3. 2016-06-07 Well Head Treatment PS 117 and PS 284.pdf, 4. Vicinity Map.pdf

Date	Ver.	Action By	Action	Result
12/7/2017	1	City Council	approved	Pass

REPORT TO THE CITY COUNCIL

December 14, 2017

FROM: THOMAS C. ESQUEDA, Director
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THROUGH: MICHAEL CARBAJAL, Planning Manager
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SUBJECT

Approve the Second Amendment to the Professional Consultant Services Agreement with Provost and Pritchard Engineering Group, Inc., to extend the Agreement to October 31, 2018, to complete the Project for the design of well head treatment improvements at Pump Stations 117 and 284 (County Island within Council District 2)

RECOMMENDATIONS

Staff recommends that City Council approve the Second Amendment to the Professional Consultant

Services Agreement with Provost and Pritchard Engineering Group, Inc. to extend the Agreement to October 31, 2018, for the design of well head treatment improvements at Pump Stations 117 (PS 117) and 284 (PS 284); and authorize the Director of Public Utilities or designee to execute the amendment on behalf of the City of Fresno.

EXECUTIVE SUMMARY

PS 117 was removed from service because it exceeded the State's drinking water standard Maximum Contaminant Level (MCL) for Tetrachloroethylene (PCE), a colorless liquid solvent widely used for dry cleaning of fabrics. Recent testing shows that PS 284 is expected to exceed the MCL for PCE in the near future. In June of 2016, a Consultant Agreement with Provost and Pritchard Engineering Group, Inc. was executed for the design of well head treatment improvements. During the schematic design phase, it was determined that low profile air strippers would be the most effective treatment option for PCE due to the presence of carbon-dioxide in the groundwater. An extension to the Professional Consultant Services Agreement with Provost and Pritchard Engineering Group is needed to complete the design of well head treatment improvements at PS 117 and for PS 284.

BACKGROUND

The Water Division maintains a network of more than 260 municipal water supply wells providing 88% of the City's potable water. The proposed project will construct a common well head treatment facility at PS 117 to treat groundwater from both wells at PS 117 and PS 284. Due to limited space at PS 284, a raw water pipeline will also need to be installed from PS 284 to PS 117 for centralized treatment.

On June 2016, in accordance with Fresno Municipal Code Chapter 4, Article 1, and Administrative Order 6-19, the Department of Public Utilities conducted a competitive process to select consultants for the design of well head treatment improvements at PS 117 and PS 284. Upon completion of the evaluation of qualifications submitted, and the scope and fee negotiation process, Provost and Pritchard Engineering Group, Inc., was selected as best meeting the City's needs for the program. With City Council's approval, a consultant Agreement was executed. The Agreement's intent was to design a granular activated carbon (GAC) treatment system but due to the detection of carbon dioxide in other wells in the vicinity of the project, the Water Division selected a low-profile air stripping treatment method. Air strippers can treat PCE contamination similar to GAC but also has the ability to address carbon dioxide. Plans and specifications for air strippers are more extensive than GAC vessels and the use of air strippers will require the addition of a building for aesthetic and noise mitigation.

The First Amendment previously approved increased the total compensation by \$65,946 to \$328,419 due to the expanded scope of services required.

The Second Amendment to the Professional Consultant Services Agreement with Provost and Pritchard Engineering Group has been approved as to form by the City Attorney's Office. Upon approval by the City Council, the amendment will be executed by the Director of Public Utilities or designee.

ENVIRONMENTAL FINDINGS

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

LOCAL PREFERENCE

Local preference does not apply to this action because this is an amendment to an existing Agreement.

FISCAL IMPACT

The project, which is located in a County Island in the vicinity of Council District 2, will not have any impact to the General Fund. Funds for the engineering design of PS 117 and PS 284 are included in Water Division’s FY 2018 budget within the DBCP Recovery Fund (40110). The construction phase of PS 117 is funded in Water Division’s FY 2018 budget within the Enterprise Fund (40101) while construction of PS 284 will be funded in the future when and if the well exceeds the MCL for PCE. Construction of well head treatment facilities are included in the water rate model used to create the five-year utility rate plan and subsequently adopted by City Council on February 26, 2015. No additional funding is required for this project.

Attachments:

Second Amendment to Agreement

First Amendment to Agreement

Original Consultant Agreement

Vicinity Map