



Legislation Text

File #: ID 16-0673, **Version:** 1

Resolution Approving a Contract in the amount of \$364,500 with CDM Smith, Inc. for the Mitchell Water Treatment Plant Filter Backwash Pump Replacement and System Improvements Project

Department: Water Resources
Council District: 3

Public Hearing: N/A
Advertising Date/By: N/A

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PURPOSE:

CDM Smith, Inc. is being requested to provide Design, Construction Administration and Inspections Services for the Mitchell Water Treatment Plant Filter Backwash Pump Replacement and System Improvements project. City Council approval of a contract in the amount of \$364,500 is requested.

BACKGROUND:

The Mitchell Water Treatment Plant (WTP) filter backwash system is a key component in the treatment process to purify water for potable use. The gravity media filters at Mitchell WTP remove impurities and use backwash pumps to provide the motive force for cleaning the media by removing the trapped impurities. The existing backwash pumps at the Mitchell WTP are reaching the end of their useful service life and the accessibility to the pumps in the lower level of the filter plant for maintenance purposes is challenging. The new clearwell ground storage tank under construction at the Mitchell WTP is designed with an integral pump platform to hold up to three new backwash pumps. The work to be performed by CDM Smith, Inc. includes the design of three new back wash pumps to be located on the exterior of the clearwell roof. The variable frequency drives (VFD) and power supply equipment used for controlling the pumps will be installed inside the filter plant.

CDM Smith, Inc. will provide design, permitting assistance, bidding and onsite observations of the work and field checking of materials and equipment necessary for the construction of the project. CDM Smith, Inc. was previously contracted to design and assist with the bidding and construction administration oversight associated with the clearwell project. The construction administration and inspection team for the filter backwash pump replacement project includes CDM Smith, Inc. and CriTek Engineering Group, P.C. CriTek Engineering Group, P.C. is a local MBE and their utilization is 8.4 % of the contract amount.

BUDGET IMPACT:

Funding is budgeted in Water Resources Capital Fund account 503-7026-04.5410 in the amount of \$364,500. A budget adjustment is needed to use this account.

RECOMMENDATION / ACTION REQUESTED:

The Water Resources Department recommends approval and award of the Mitchell WTP Filter Backwash Pump Replacement and System Improvements project contract to CDM Smith, Inc. for \$364,500 and the associated budget adjustment.