

Agenda Number 3.b.

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MEETING DATE: May 7, 2015

AGENDA ITEM: Award of Professional Services Contract to JE Fuller for Hydrology Improvements at Centennial Wash, Engineering Design Services

RECOMMENDATION:

Staff recommends that the Board of Directors award a professional services contract to JE Fuller, for the Hydrology Improvements at Centennial Wash Project, for professional engineering design, and authorize the General Manager, or his designee, to execute an agreement up to \$291,919 plus an additional \$29,200 (10%) for contingencies (totaling \$321,119).

FINANCIAL IMPLICATIONS:

Impact on Budget: Account 5425 – Services, Technical

General Fund – Capital Budget (2014-2015)			
Budget Year	Funds Requested	Funds Included in the Budget	(Over) / Under Budget
2015	\$321,119	\$135,000	(\$186,119)

Additional spending authority requested: None required. The Project Steering Committee will manage this work within the current approved capital budget.

Impact on Reserves: No additional impact on Strategic Reserves.

Impact on Rates: No additional impact on water rates.

LINKAGE TO STRATEGIC PLAN, POLICY, STATUTE OR GUIDING PRINCIPLE:

- CAWCD Board of Directors 2010 Strategic Plan
 - Project Reliability: Effectively Operate and Maintain CAP Assets
- CAP Purchasing Policy

PREVIOUS BOARD ACTION/ACTIVITY:

November 7, 2013

Board approved the CAP 2014-2015 Biennial Budget

ISSUE SUMMARY/DESCRIPTION:

This project provides improvements to Dike 2 embankment of Pool 6 at Centennial Wash. A previous engineering study evaluated the hydrology of the area and concluded that storm water accumulation in the area above the dike could exceed the capacity of the original Bureau of Reclamation (BOR) design. This project will (1) provide additional protection for the CAP aqueduct and (2) improve evacuation of storm runoff. First, the project will raise Dike 2 to a height sufficient to protect the canal against a 100-year, 24-hour Centennial Wash storm event. Second, the project will install four 36-inch overchute pipes, in addition to the two pipes currently there, to facilitate evacuation of water impounded by the dike. These improvements will also help alleviate the risk of flooding to a nearby section of Interstate 10 during large rainfall events.



2010 Storm Flooding, Looking Northeast at Pool 6 Dike

VENDOR SELECTION PROCESS:

JE Fuller is an engineering firm with headquarters in the Phoenix area specializing in Hydrology and Geomorphology. JE Fuller was selected previously by the CAP evaluation team to complete a flow modeling and inundation assessment at Centennial Wash to determine impacts to Dike 2 and flood protection and conveyance recommendations. JE Fuller's familiarity with the unique site conditions and modeling data makes them an ideal candidate to provide Engineering Design Services. After an evaluation of JE Fuller's qualifications and pursuant to CAP Purchasing Policy, staff engaged JE Fuller in scope clarification and fee negotiation discussions.

COST ESTIMATE:

The design scope of work increased from the budget to allow for collection and evaluation of soil borings, engineering field surveys, and structural engineering for new pipe overchutes. Staff has confirmed that the cost is in line with industry standards and believes that the proposed design fee is fair and reasonable.

SUGGESTED MOTION:

I move that the Board of Directors approve the award of a professional services contract to JE Fuller for \$291,919 plus \$29,200 (10%) for contingencies (totaling \$321,119), for professional engineering design of the Hydrology Improvements at Centennial Wash Project, and authorize the General Manager, or his designee, to execute the contract and administer the contingency.

