



County of Monterey

Board of Supervisors
Chambers
168 W. Alisal St., 1st Floor
Salinas, CA 93901

Board Report

File #: WRAG 18-138, **Version:** 1

Consider approving Amendment No. 5 to the Professional Services Agreement with AECOM Technical Services, Inc., in the amount of \$53,830 to provide safety surveillance and performance evaluation of San Antonio Dam and inundation map development for Nacimiento Dam; and, authorize the General Manager to execute the Amendment.

RECOMMENDATION:

It is recommended that the Monterey County Water Resources Agency Board of Directors:

- a. Approve Amendment No. 5 to the Professional Services Agreement with AECOM Technical Services, Inc., in the amount of \$53,830 to provide safety surveillance and performance evaluation of San Antonio Dam and inundation map development for Nacimiento Dam; and
- b. Authorize the General Manager to execute the Amendment.

SUMMARY/DISCUSSION:

California Water Code Regulations require dam owners that are under the jurisdiction of the California Department of Water Resources Division of Safety of Dams (DSOD), to collect and evaluate dam instrumentation data, and to perform periodic dam inspections to ensure public safety.

Instrumentation data collected from 85 piezometers, 10 observation wells, 34 drains and 21 survey monuments allow the monitoring of seepage flows, embankment movement, and the dam stability of San Antonio Dam. Consulting engineers with expertise in dams provide critical knowledge in the evaluation of instrumentation monitoring data, in conducting dam safety inspections, and evaluation of dam stability.

In 2015, the Agency sent out a Request for Proposals (RFP) to qualified engineering firms for dam safety surveillance and performance evaluation services. AECOM Technical Services, Inc., (AECOM) was selected to perform the work. The Professional Services Agreement with AECOM is renewable on an annual basis for a contract term of five-years. Amendment No. 5 will cover year 4 of 5, and provide the continued review of dam safety surveillance and performance evaluation of San Antonio Dam for the period of July 1, 2018 to June 30, 2019.

The Agency was directed by DSOD by letter dated July 14, 2017 to prepare inundation maps for potential catastrophic failure scenarios for Nacimiento and San Antonio Dams. Four sets of maps were submitted to DSOD in December 2017 under work authorized by Amendment No. 4 to the Agreement with AECOM. DSOD requires revision of one set of maps for Nacimiento Dam to add depth of water in inundated areas. Amendment No. 4 has a remaining balance of \$4,596, however, an additional \$3,000 is needed to complete the revision and comply with DSOD mapping requirements, and is thus included in Amendment No. 5.

A description and cost for each task in Amendment No. 5 is contained in Exhibit A.

FINANCING:

\$50,830 available in FY 2018-19 Fund 116 - Dam Operations and Maintenance

\$ 3,000 available in FY 2018-19 Fund 130 - Hydroelectric Plant Operations and Maintenance

OTHER AGENCY INVOLVEMENT:

None.

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Approved by _____
David E. Chardavoyne, General Manager, (831) 755-4860

Attachments:

1. Exhibit A
1. Letter from DSOD dated May 18, 2018 re: inundation map revision
3. Amendment No. 5 to the Professional Services Agreement with AECOM Technical Services, Inc.
4. Professional Services Agreement with AECOM Technical Services, Inc.
2. Board Order