

Operations Committee Meeting - July 9, 2019

1. Agenda Packet

Documents:

[AGENDA PACKET - POSTED ON 190703.PDF](#)



SWEETWATER AUTHORITY

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ASSISTANT GENERAL MANAGER

SWEETWATER AUTHORITY OPERATIONS COMMITTEE

AGENDA

DATE: Tuesday, July 9, 2019

TIME: 10:00 a.m.

- 1. CALL MEETING TO ORDER AND ROLL CALL.**
- 2. ITEMS TO BE ADDED, WITHDRAWN, OR REORDERED IN THE AGENDA.**
- 3. PUBLIC COMMENT.**
Opportunity for members of the public to address the Committee. (Government Code Section 54954.3).
- 4. ACTION AGENDA.**
The following items on the Action Agenda call for discussion and action by the Committee. All items are placed on the Agenda so that the Committee may discuss and take action on the item if the Committee is so inclined, including items listed for information.

Consideration of Award of Contracts for FY 2019-20 SCADA Design and Integration
- 5. CLOSED SESSION.**
At any time during the regular session, the Committee may adjourn to closed session to discuss real property matters within the attorney-client privilege, subject to the appropriate disclosures. (Government Code Section 54956.8).
- 6. NEXT MEETING DATE: Wednesday, July 17, 2019 at 10:00 a.m.**
- 7. ADJOURNMENT.**

This agenda was posted at least seventy-two (72) hours before the meeting in a location freely accessible to the Public on the exterior bulletin board at the main entrance to the Authority's office and it is also posted on the Authority's website at www.sweetwater.org. No action may be taken on any item not appearing on the posted agenda, except as provided by California Government Code Section 54954.2. Any writings or documents provided to a majority of the members of the Sweetwater Authority Governing Board regarding any item on this agenda will be made available for public inspection at the Authority Administration Office, located at 505 Garrett Avenue, Chula Vista, CA 91910, during normal business hours. Upon request, this agenda will be made available in appropriate alternative formats to persons with disabilities, as required by Section 202 of the Americans with Disabilities Act of 1990. Any person with a disability who requires a modification or accommodation in order to participate in a meeting should direct such request to the Board Secretary at (619) 409-6703 at least forty-eight (48) hours before the meeting, if possible.

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BOARD ACTION

TO: Governing Board (Operations Committee)

FROM: Management

DATE: July 3, 2019

SUBJECT: Consideration of Award of Contracts for FY 2019-20 SCADA Design and Integration

SUMMARY

The FY 2019-20 Budget includes funding for annual System Control and Data Acquisition (SCADA) expense projects; annual Information Systems (IS) Department Support; SCADA Operating System Evolution Implementation; final design, bidding, and construction phase services for the Remote Terminal Unit (RTU) Evolution Program; and design, bidding, and construction phase services for the Central-Wheeler Tank Project. Most of the capital projects in this list are multi-year projects and are well on their way to being completed. The work items related to SCADA projects are listed below and, pending Board approval, would be performed by the on-call SCADA Design Consultant and on-call SCADA Integrator.

FISCAL IMPACT

The total contract amounts with the on-call SCADA Design Consultant and on-call SCADA Integrator for the above-listed projects (both expense and capital) would be \$398,920 and \$1,709,250, respectively. All of the above contract amounts are within budget and no additional funding is required at this time. Also, note that this is the final year of the "on call" contract for the SCADA Design Consultant and SCADA Integrator; both contracts are scheduled to be put out for competitive selection later this fiscal year. This work is a multi-year project that is scheduled to be completed in FY 2019-20, with a substantial investment of the Authority's resources. Significant inefficiencies and substantial additional costs would result if the project were placed on hold at this time.

Expense Projects

The expense-related projects include monthly report enhancements; live testing of Microsoft updates, general support, change requests, and training sessions in addition to standard recurring annual maintenance activities.

Expense Budget Allocated in FY 2019-20 Budget for SCADA Consultant and SCADA Integrator ⁽¹⁾	\$246,970
Less Annual General Support (Design Consultant)	<30,900>
Less SCADA Plan Update (Design Consultant)	<14,420>

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Less SCADA Reports Analysis Support (Design Consultant)	<10,600>
Less Annual SCADA Change Requests (Integrator)	<69,010>
Less Report Analysis/Support and Updates (Integrator)	<32,960>
Less Annual SCADA Training (Integrator)	<12,360>
Less Annual On-Call Support (Integrator)	<24,720>
Less Annual IS Support (Integrator)	<52,000>
Balance	\$0

Capital Projects

The Capital Projects include funding for final design, bidding, and construction of the Distribution System Remote Terminal Unit (RTU) Evolution Program as recommended in the Authority’s SCADA System Master Plan 2016; design and construction of the Central-Wheeler Tank Project; and implementation of the SCADA Operating System Evolution Program.

Capital Budget Allocated in FY 2019-20 Budget for SCADA Consultant and SCADA Integrator	\$1,867,400
Less Distribution RTU Evolution Final Design, Bidding, and Construction Phase Services (Design Consultant)	<283,000>
Less Central-Wheeler Tank Construction Phase Services (Design Consultant)	<60,000>
Less Distribution RTU Evolution Construction (Integrator) ⁽¹⁾	<1,257,200>
Less Central-Wheeler Tank SCADA Panel Construction, Testing, and Commissioning (Integrator)	<82,000>
Less SCADA Operating System Evolution Implementation (Integrator)	<179,000>
Balance	\$6,200

⁽¹⁾ Includes RTU back panel fabrication for 42 RTUs at 41 sites in the Authority’s Water Distribution System. This work is a continuation of the work performed in FY 2018-19.

PAST BOARD ACTION(S)

- June 12, 2019 Board Adopted Resolution 19-14: Adopting a Budget for the Fiscal Year 2019-20
- December 10, 2104 Board approved a contract with Timberline Engineering and Enterprise Automation for a term of up to five years

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POLICY

The requested authorizations exceed the General Manager's \$75,000 authorization limit, thus requiring Governing Board approval.

Strategic Plan Goal 1: Water Quality (WQ) - Provide high quality water that meets regulatory requirements.

- Objective WQ6: Maintain and improve the Supervisory Control and Data Acquisition (SCADA) system for all treatment and distribution facilities as defined in the SCADA Master Plan.
 - 001.00 Replace Remote Terminal Units as recommended in study conducted in FY 2017-18 and designed in FY 2018-19
 - 004.00 Complete the SCADA Operating system evolution project as identified in the SCADA Master Plan to replace obsolete, unsupported SCADA operating systems

Strategic Plan Goal 2: System and Water Supply Reliability (SR) - Achieve an uninterrupted, long-term water supply through investment, maintenance, innovation and developing local water resources.

- Objective SR1: Implement the current Water Distribution Master Plan to include: pipeline replacements; new pipelines for capacity, reliability and redundancy; additional water storage capacity in deficient zones; and additional pumping capacity for Hydropneumatic Zones.
 - 004.00 Prepare design, environmental document, advertise for bids, and construct new Central-Wheeler Tank

ALTERNATIVES

1. Award the following contracts: \$398,920 for SCADA Design to Timberline Engineering, Albuquerque, NM; and \$1,709,250 for SCADA Integration to Enterprise Automation, Irvine, CA, for the FY 2019-20 System Control and Data Acquisition (SCADA) Expense and Capital Projects.
2. Wait until the end of the SCADA Integrator selection process identified in Strategic Plan Goal 1, Objective WQ6, and Task 002.01 is complete before completing the project.

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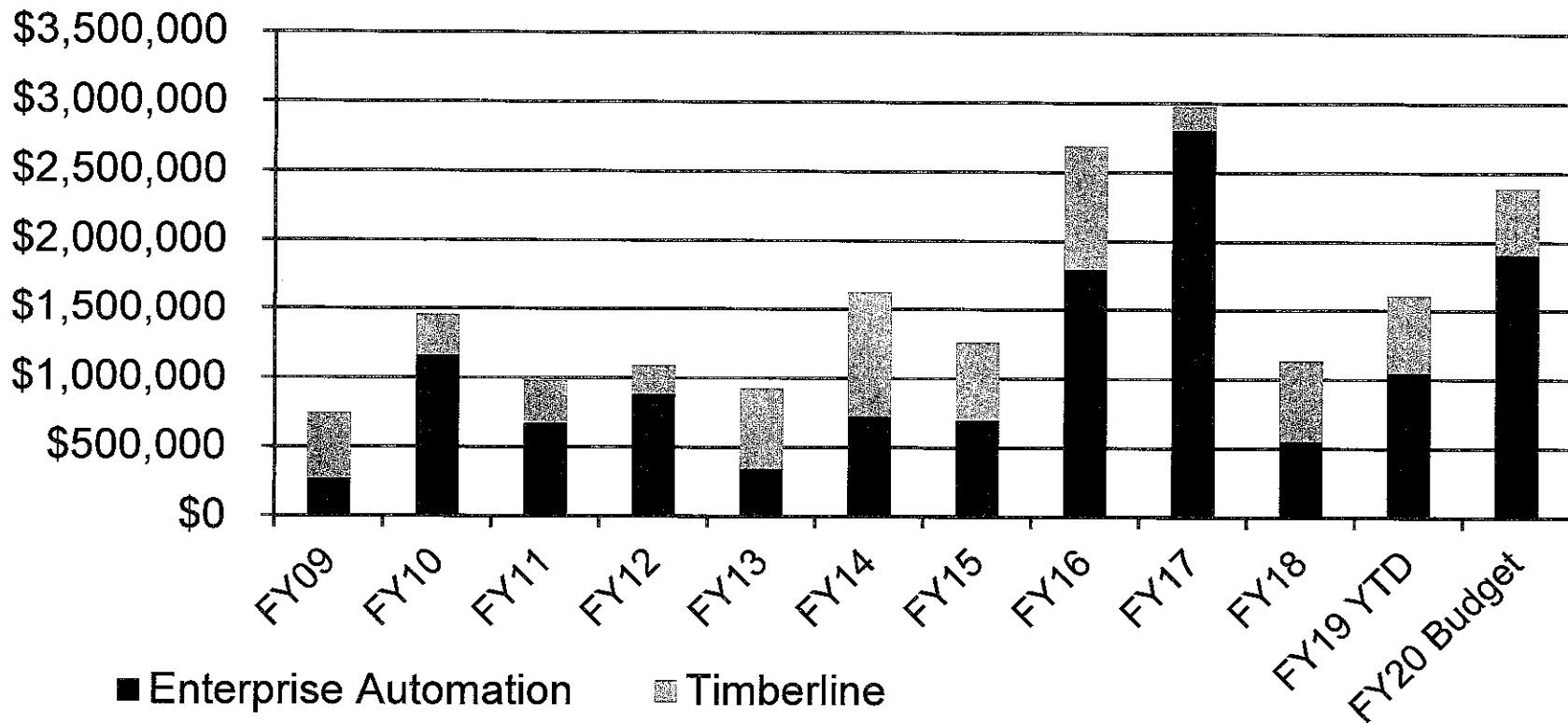
STAFF RECOMMENDATION

Staff recommends that the Governing Board award the following contracts: \$398,920 for SCADA Design to Timberline Engineering, Albuquerque, NM; and \$1,709,250 to for SCADA Integration Enterprise Automation, Irvine, CA, for the FY 2019-20 System Control and Data Acquisition (SCADA) Expense and Capital Projects.

ATTACHMENT

1. Historical Cost Information for SCADA Consultants

Historical Cost Information for SCADA Consultants



Includes both Capital and Annual Maintenance Projects