

# SWEETWATER AUTHORITY

Water Quality Committee

June 16, 2025



## Consideration to Authorize a Scope of Work for FY 2025-26 On-call SCADA Integration Professional Services and On-call SCADA Design Professional Consulting Services

### RECOMMENDATION

Staff recommends that the Governing Board award the following contracts: \$223,900 for SCADA Design Consulting to Rockwell Construction Services, Vista, CA; and \$732,200 (inclusive of hardware purchases) for SCADA Integration to Enterprise Automation, Irvine, CA, for the FY 2025-26 SCADA Expense and Capital Projects.

### OVERVIEW

The On-call Supervisory Control and Data Acquisition (SCADA) System Integrator and On-call SCADA Design Consultant (SDC) provide services to the Authority's operations that are critical to maintaining a safe and reliable drinking water supply. The scope of work for SCADA integration professional services is developed collaboratively on an annual basis between staff and the SCADA consultants and includes a variety of tasks related to annual support, expense projects, and capital projects. The FY 2025-26 Budget includes funding for SCADA related tasks and support.

### Contracts

The On-call SCADA Integrator (Enterprise Automation) was awarded a contract by Board on June 23, 2021, for one-year award with an option to renew for up to four additional years. The final renewal option of the contract will expire in August 2026. A goal was included in the FY 2025-26 Detailed Strategic Workplan to competitively procure an On-call SCADA Integrator.

The On-call SCADA Design Consultant (Rockwell Construction Services) was awarded a one-year contract by the Board on April 12, 2023. On March 13, 2024, the Governing Board awarded another one-year contract with an option to renew for up to three additional years. The final renewal option of the contract will expire in May 2028.

### Scope of Work

On-call SCADA integrator annual expense support tasks include:

- SCADA Training
- Change Request Budget (programming enhancements)
- SCADA Plan Updates
- Windows SCADA Server Updates
- General On-call Support

On-call SCADA integrator expense projects include:

- Electronic Mobile Operator Rounds (continuation of project from FY 2024-25)
- SCADA Master Plan update

On-call SCADA integrator Capital projects include:

- Desalination Facility Quantum Programmable Logic Controller (PLC) Replacement (implementation and purchase of hardware)
- Central Wheeler Tank Construction (programming/commissioning of new remote terminal unit)

On-call SCADA Design Consultant annual expense projects include:

- SCADA Plan Updates
- General On-call Support
- SCADA Master Plan update

On-call SCADA Design Consultant capital projects include:

- Desalination Facility Quantum PLC Replacement (implementation oversight)

**FISCAL IMPACT**

The FY 2025-26 Budget Operating Expense line item 10-80-800-5650 General Plant Consulting Services has funding for SCADA Design Consultant expenses and line item 10-80-800-5145 General Plant Materials and Supplies SCADA has funding for the SCADA Integrator Consultant expenses. In addition, the FY 2025-26 Budget for the Capital Investment Projects Central-Wheeler Tank Construction and System Improvements and Desal Programmable Logic Controller Replacement have funding for SCADA tasks.

| <b>FY 2025-26 Award to Rockwell Construction Services<br/>for SCADA Design Consulting Tasks</b> |                     |                 |
|---|---------------------|-----------------|
| <b>Project</b>  | <b>Project Type</b> | <b>Amount</b>   |
| Annual SCADA Plan Updates   | Expense             | \$16,300        |
| General On-call Support   | Expense             | 70,000          |
| SCADA Master Plan Update  | Expense             | <u>115,800</u>  |
| Subtotal Expense Projects   |                     | \$202,100       |
| Desal Programmable Logic Controller Replacement <sup>(1)</sup>                                  | Capital             | <u>21,800</u>   |
| Subtotal Capital Projects   |                     | <u>\$21,800</u> |
| Total SCADA Design Consultant Award   |                     | \$223,900       |
| 1) Implementation oversight.  |                     |                 |

| <b>FY 2025-26 Award to Enterprise Automation for SCADA Integrator Consulting Tasks</b>   |                     |                  |
|--|---------------------|------------------|
| <b>Project</b>   | <b>Project Type</b> | <b>Amount</b>    |
| Annual SCADA Training  | Expense             | \$15,100         |
| Annual Change Request Budget   | Expense             | 91,500           |
| Annual SCADA Plan Updates  | Expense             | 16,300           |
| Windows SCADA Server Updates   | Expense             | 15,500           |
| General On-call Support  | Expense             | 31,300           |
| Electronic Mobile Operator Rounds  | Expense             | 23,200           |
| SCADA Master Plan Update   | Expense             | <u>115,800</u>   |
| Subtotal Expense Projects  |                     | \$308,700        |
| Central-Wheeler Tank Construction and System Improvements <sup>(1)</sup>   | Capital             | 44,000           |
| Desal Programmable Logic Controller Replacement - Implementation <sup>(2)</sup>  | Capital             | 170,500          |
| Desal Programmable Logic Controller Replacement - Hardware <sup>(3)</sup>  | Capital             | <u>209,000</u>   |
| Subtotal Capital Projects  |                     | <u>\$423,500</u> |
| Total SCADA Integrator Consultant Award  |                     | \$732,200        |
| 1) Programing and commissioning of new remote terminal unit.<br>2) Implementation.<br>3) The award would allow Enterprise Automation to procure all hardware for the Quantum PLC Replacement Project— minimizing downtime and leveraging Enterprise’s access to competitive pricing; Enterprise has agreed to a reduced 5% markup instead its typical 20% markup. The 5% markup would outweigh an Authority conducted procurement. |                     |                  |

**OPTIONS**

1. Award the following contracts: \$223,900 for SCADA Design Consulting to Rockwell Construction Services, Vista, CA; and \$732,200 (inclusive of hardware purchases) for SCADA Integration to Enterprise Automation, Irvine, CA, for the FY 2025-26 SCADA Expense and Capital Projects.
2. Other direction as determined by the Governing Board.

Staff Contact:

Carlos Quintero, General Manager

Justin Brazil, Director of Water Quality

---

## **SUPPORTING INFORMATION**

### **Attachment**

Presentation- Consideration to Authorize a Scope of Work for FY 2025-26 On-call SCADA Integration Professional Services and On-call SCADA Design Professional Consulting Services

### **Strategic Plan**

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

- Objective WQ5: Maintain and improve the Supervisory Control and Data Acquisition (SCADA) system for all treatment and distribution facilities as defined in the SCADA Master Plan
  - (1) Replace outdated SCADA equipment at the desalination facility. Complete installation, testing, and commissioning of a new programmable logic controller and associated input/output panels.
  - (2) Continue implementation of the electronic mobile operator data collection system for the National City Wells, Desalination Facility, and System Operations to replace historical paper worksheets and streamline processes.
  - (3) Competitively procure an On-call SCADA Integrator. The current contract with Enterprise Automation expires in August 2026.
  - (4) Perform an update of the SCADA master plan. The last update was completed during FY 2020-21.

### **Past Board Actions**

|               |  |
|---------------|--|
| June 11, 2025 | The Governing Board recommended changes to the detailed work plan, and approved the FY 2025-26 Strategic Plan Detailed Work Plan.  |
| June 11, 2025 | The Governing Board recommended a name change to the Environment task for floating solar panels and corrections to the resolutions; adopted Resolution 25-04, Approving the FY 2025-26 Budget; and adopted Resolution 25-05, Approving the updated Financial Policies (Board Policy 517).  |
| June 26, 2024 | The Governing Board awarded the following contracts: \$316,500 for SCADA Design Consulting to Rockwell Construction Services, Vista, CA; and \$656,400 for SCADA Integration to Enterprise Automation, Irvine, CA, for the FY 2024-25 SCADA Expense and Capital Projects; allowed staff to enter into a three-year agreement with AVEVA for Supervisory Control and Data Acquisition software purchases as provided; and allowed staff to amend the current contractual billing rates with Enterprise Automation for FY 2024-25 as provided. |

|                |  |
|----------------|--|
| March 13, 2024 | The Governing Board awarded a contract to Rockwell Construction Services, Valley Center, CA, in accordance with its billing rates for one year (or when the last project assigned is complete if different than this date) with an option to renew for up to three additional years.   |
| June 28, 2023  | The Governing Board selected the FY 2023-24 Option 2 Budget Adjustment, and Adopted Resolutions 23-13, Adopting the FY 2023-24 Budget; and Resolution 23-14, Approving Updated Financial Policies (Board Policy 517).  |
| June 14, 2023  | The Governing Board awarded the following contracts: \$54,100 for SCADA Design Consulting to Rockwell Construction Services, Vista, CA; and \$439,900 for SCADA Integration to Enterprise Automation, Irvine, CA, for the FY 2023-24 SCADA Expense and Capital Projects.   |
| April 12, 2023 | The Governing Board awarded a contract to Rockwell Construction Services, Valley Center, CA, for one year (or when the last project assigned is complete if different than this date); directed staff to bring a recommendation for contract extension back to the Governing Board within one year based on performance; and authorized funds for training and orientation of Rockwell Construction Services in the amount of \$53,000 (\$26,500 for Enterprise Automation and \$26,500 for the Rockwell Construction Services).                       |
| June 23, 2021  | The Governing Board awarded a contract for On-call SCADA System Integration Professional Services to Enterprise Automation of Irvine, CA for one year with an option to renew for up to four additional years to include the negotiated rate sheet and terms in the Agreement for Professional Services; transfer the \$100,000, set aside in the FY 2021-22 budget for a new integrator and transition, to the Expense Contingency; and directed staff to present to the Board a full accounting report of all expenses and discounts after one year. |