



City of Santa Ana
20 Civic Center Plaza, Santa Ana, CA 92701
Staff Report
September 19, 2023

TOPIC: SCADA Functional Specifications and Programming Services

AGENDA TITLE

Approve Agreements with Enterprise Automation, Northern Digital, Inc., and SOFFA Electric, Inc. to Provide Functional Specifications and SCADA Source Control and Change Control Services in an Aggregate Amount Not to Exceed \$1,250,000 for up to a Five-Year Term (Non-General Fund)

RECOMMENDED ACTION

Authorize the City Manager to execute agreements with Partners in Control, Inc. dba Enterprise Automation, Northern Digital, Inc., and SOFFA Electric, Inc. to provide on-call engineering services to prepare functional specifications and to provide supervisory control and data acquisition, source control, and change control services, for a shared aggregate amount not to exceed \$1,250,000, for a three-year term beginning September 19, 2023 and expiring September 18, 2026, with provisions for one, two-year extension, subject to non-substantive changes approved by the City Manager and City Attorney.

DISCUSSION

The Public Works Agency's Water Resources Division (Water Resources) oversees and maintains the daily operations of the City's water and sanitary sewer systems. The water system is composed of approximately 480 miles of water main, 21 groundwater wells, seven pump stations, 10 reservoirs with a storage capacity of 49 million gallons, four pressure regulating stations, and seven connection points to the Metropolitan Water District. The system has an average daily demand of 30 million gallons from its roughly 45,500 metered service connections.

The City's water production facilities are controlled by supervisory control and data acquisition (SCADA) software which is used to monitor the processes involved in water production, storage, and delivery. Coordination between the SCADA system and its control components allows for automation of processes and procedures, reduces energy costs, and is crucial to providing Santa Ana residents with clean, affordable water. Due to the complex nature of the SCADA system and related devices, an experienced consultant is needed to provide detailed control panel drawings, functional specifications, programming and testing specifications, and SCADA systems source control and change control services for the City's water production facilities.

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On February 14, 2023, the Public Works Agency released Request for Proposals (RFP) No. 23-026, by which it sought the services of qualified consulting firms to provide functional specifications development and SCADA programming services for the City's water production facilities. The RFP was advertised on the City's online bid management and publication system, PlanetBids, with proposals due on March 9, 2023. System records indicate a total of 921 vendors were notified via PlanetBids, with 38 vendors downloading bidding documents. Three proposals were received and evaluated by a selection committee. Based on criteria outlined in the RFP, the following summarizes the responding firms and their ranking:

Firm	City	Rank
Enterprise Automation	Irvine, CA	1
Northern Digital, Inc.	Bakersfield, CA	2
SOFFA Electric, Inc.	Commerce, CA	3

Staff recommends awarding agreements to Enterprise Automation, Northern Digital, Inc., and SOFFA Electric, Inc. to provide the requested services on an as-needed basis (Exhibits 1-3). Their proposals demonstrated the firms have the necessary capacity and expertise to complete the required services. The firms' rates are reasonable and within industry standard, the teams' qualifications are appropriate, and the proposals were determined to provide the best value for the City.

FISCAL IMPACT

Funding is available in the FY 2023-24 budget and funding for subsequent fiscal years, including renewal options if exercised, will be included in the proposed budgets for City Council consideration.

Fiscal Year	Accounting Unit - Account #	Fund Description	Accounting Unit, Account Description	Amount
Contract (Three-Year Term)				
2023-24	06017640-62300	Water Fund	Water Utility Production & Supply, Contract Services-Professional	\$250,000
2024-25	06017640-62300	Water Fund	Water Utility Production & Supply, Contract Services-Professional	\$250,000
2025-26	06017640-62300	Water Fund	Water Utility Production & Supply, Contract Services-Professional	\$250,000

Fiscal Year	Accounting Unit - Account #	Fund Description	Accounting Unit, Account Description	Amount
Optional Two-Year Extension				
2026-27	06017640-62300	Water Fund	Water Utility Production & Supply, Contract Services-Professional	\$250,000
2027-28	06017640-62300	Water Fund	Water Utility Production & Supply, Contract Services-Professional	\$250,000
TOTAL				\$1,250,000

EXHIBIT(S)

1. Agreement with Enterprise Automation
2. Agreement with Northern Digital, Inc.
3. Agreement with SOFFA Electric, Inc.

Submitted By: Nabil Saba, P.E., Executive Director – Public Works Agency

Approved By: Kristine Ridge, City Manager