

FINAL CONSTRUCTION WORK AUTHORIZATION

RIALTO ADVANCED METERING INFRASTRUCTURE PROJECT

Project History

- 2016 – 2019 City requested from the Veolia Resource Optimization (VRO) team a commercial offer for a Targeted Meter Replacement program. VRO team developed a target meter replacement program and business case for an AMI/AMR technology upgrade (August 2017), and presented to Rialto's City Council late 2018/early 2019.
- 2023 – 2024 City awarded two (2) grants, state (DWR) and federal (USBR) for a total of \$8M (September 2023). Veolia embarked on the AMI procurement, conducting workshops and meetings with City, Operations, etc. Three rounds of bidding completed with 4 bids received in the third round - three bidders shortlisted and USG selected.
- 2024 – 2025 City chose to manage the project as an owner-initiated project, led a new procurement/bid process for the project (July 2025), and requested that Veolia then implement the project as the main contractor, subcontracting the selected bidder USG.
- In July 2025, RWS and the City agreed that RWS will implement the AMI project.

Project Goals and Objectives

The City's AMI grants are to automate the data collection of water meter information and to have more in-depth information on its customers' usage and system operation. The AMI System will serve as the foundational technology to meet RWS's future Smart Water vision and goals, including the following:

- Reduce costs through efficiencies and improve quality of service.
- Empower customers to help manage their water consumption.
- Provide a technology platform to meet the increased information needs of its customers.

The AMI project's objectives are listed below and further detailed in the Scope of Work section.

Supply and installation of the AMI system, including:

- Field area network and backhaul communications infrastructure
- AMI head-end hardware and software, in a Software as a Service model
- Customer facing portal/software that interfaces with current customer service website to display captured usage history.
 - Set up an automated notification process by internal reports and directly to customers to alert for any rules set. (i.e. potential leak, inconsistent usage, no usage...)
 - Water meters and MIUs for replacement of non "AMI-ready" meters
 - MIUs for retrofitting of "AMI-ready" meters
- Implementation of a Meter Data Management System (MDMS)
- Implementation of a Customer portal
- System integration with the RWS's existing CIS/billing systems,

- AMI system testing
- AMI system training
- Annual equipment and software maintenance and support
- Customer Outreach and Communication Planning
- Operational Change Management
- Process Re-engineering

Bid Period

In July 2025, The City requested sealed bids for the supply and installation of an Advanced Metering Infrastructure System for the City of Rialto Water System (RWS). Two bids were received on August 12, 2025.

Bid Results from August 12, 2024:

Contractor Name	Bid Amount
Aqua Metric	\$6,024,439.79
Utility Service Group Water Solutions LLC	\$6,742,040.00

Exhaustive bid reviews were conducted on proposals from Aqua Metric and Utility Service Group Water Solutions, LLC. These bids were reviewed and scored independently by a review panel designated by the City (ranking sheet attached for reference). Ultimately, The City selected Utility Service Group Water Solutions LLC as the optimal partner to deliver this project.

In addition, subcontractor Advanced Utility Systems (Advanced), was selected for the integration of the new AMI systems with the Rialto billing system.

Scope of Work

The project will be implemented in Phases as described below:

1. Installation of the AMI System Head End and network components
 - Implementation of the AMI Head End software with integration with existing CIS system.
 - Implementation of customer facing portal/software to allow customers to view their water usage and other conservation goals.
 - Installation of Network Infrastructure to provide coverage for approximately 12,200 water meters in the RWS service territory.
2. Supply and install water meters and endpoints
 - Provide and install approximately 7,200 water meters of varying sizes.
 - Provide and install approximately 12,200 Meter Interface Units (MIUs) to be installed on all new meters and retrofitted on existing AMI-ready meters.
 - Provide and install approximately 12,200 water meter pit lids compatible with the MIUs provided.
3. Subcontractor shall be responsible for completing a survey to identify all connections to confirm existing size and type prior to ordering any materials.

4. Subcontractor shall be responsible for preparing and obtaining approvals on the engineered Traffic Control Plans, implementing traffic control throughout the duration of the work, as necessary.
5. Subcontractor shall be responsible for obtaining no fee encroachment permit from the City of Rialto.
6. Subcontractor shall be responsible for coordinating sequence of work and schedule with Veolia Project Management.
7. Subcontractor shall be responsible to field fit pipes, valves, and appurtenances as required.

Attachments

Cost Estimate

See Attachment 1 – Final Cost Sheet with total cost of **\$7,998,719** and breakdown costs. This includes USG bid amount, Advanced Utility Systems integration estimate, the AMI project's development work through feasibility, procurement, review and award, Veolia's fee for construction insurance, O&M (risk, labor and compliance), CPM labor, corporate overhead and profit, and 0% owner held contingency.

FCWA COST PROPOSAL FOR AMI PROJECT				
Q	Unit	Description	Unit Price	Total Price
1	Lumpsum	Veolia fee + Insurance (12.2%)	\$831,679	\$831,679
2	Lumpsum	Veolia Recovery, 2017-24 Project Development	\$350,000	\$350,000
3	Lumpsum	USG Contract	\$6,742,040	\$6,742,040
4	Lumpsum	Advanced Utility Systems	\$75,000	\$75,000
Implementation cost				\$7,998,719

**The subcontractor's cost from Advanced Utility Systems (Advanced), for the integrations with the Rialto billing system is estimated at \$75,000*

Notice of Inviting Bids, Request for Bid (RFB) and Clarifications

See Attachment 2

Contractor Firm Proposals Received on August 12, 2025

See Attachment 3

Approved By Rialto City Council/Rialto Utility Authority:

Date: _____ Tab Item No. _____

Issued by:

Rialto Utility Authority

By: _____

Name: _____

Title: _____

Date: _____

Received by:

Rialto Water Services, LLC

By: _____

Name: _____

Title: _____

Date: _____