

**KING COUNTY WATER DISTRICT NO. 90
KING COUNTY, WASHINGTON**

RESOLUTION NO. 1139

A RESOLUTION OF THE BOARD OF COMMISSIONERS OF KING COUNTY WATER DISTRICT NO. 90, KING COUNTY, WASHINGTON, DECLARING AN EMERGENCY AND WAIVING THE FORMAL BIDDING REQUIREMENTS OF RCW 57.08.050 RELATING TO REPLACEMENT OF PUMP STATIONS 7 AND 8 TELEMETRY INTERFACE PANELS.

WHEREAS, King County Water District No. 90 ("District") supplies water to its customers through a water supply system which includes water mains, wells, reservoirs and transmission facilities ("water facilities"); and

WHEREAS, a key component of the operation of the water facilities are telemetry control panels; and

WHEREAS, the telemetry control panels at Pump Stations 6 and 8 stopped working without warning and must be replaced so that the stations can be utilized in providing water to District customers; and

WHEREAS, District staff have recommended that an emergency be declared due to these unforeseen circumstances beyond the control of the District that present a real and immediate threat to the proper performance of essential functions of the District's water system; and that the formal competitive bidding requirements of RCW 57.08.050 be waived and that a contract be negotiated directly with a contractor(s) with the experience, equipment and ability to complete the telemetry panels for Pump Stations 7 and 8 as soon as possible to avoid further impacts to the delivery of water to District customers; now, therefore,

BE IT RESOLVED, by the Board of Commissioners of King County Water District No. 90, King County, Washington, as follows:

1. The recitals set forth above are incorporated herein by this reference.
2. Pursuant to RCW 39.04.280(1)(e), an emergency is hereby declared for the above-stated reasons and the formal bidding requirements set forth in RCW 57.08.050 are hereby waived for the purposes of undertaking the installation of telemetry interface panels for Pump Stations 7 and 8, utilizing

RESOLUTION NO. 1139

SUBJECT: Emergency- Telemetry Control Panels Pump Stations 6 and 8

PAGE - 1

the services of QCC systems with a contract amount of \$38,800.00 plus tax.

3. District staff are hereby authorized and directed to immediately obtain all necessary contracts and contractors on behalf of the District to provide for the installation of the telemetry control panels.

ADOPTED by the Board of Commissioners of King County Water District No. 90, King County, Washington, at a regular open public meeting thereof on the 6th day of August, 2024.

 8-6-24

Pete Eberle, President

 8-6-24

Sam Amira, Vice-President

Al Materi, Secretary

RESOLUTION NO. 1139

SUBJECT: Emergency- Telemetry Control Panels Pump Stations 6 and 8

PAGE - 2



**QUALITY
CONTROLS**

Scope Letter & Price

July 16, 2024 Quote Number: Q4450B

Attn: Josh Drummond, Operations Manager
King County Water District No. 90

Project: Emergency Pump Station Telemetry Interface Panels
Pump Stations 6 and 8.

Reference: -Existing District Telemetry Standards

Terms: Net 30
FOB: Lynnwood, WA
Freight: Prepaid and allowed

This quote is valid for **45 days** from the date above.

QCC is pleased to provide this quotation for the above referenced project. Quality Controls Corp. (QCC) provides services and materials, FOB Lynnwood, WA. Please see QCC's quoted price for this project. Please note this price does **NOT** include bonding costs if required.

Please call me questions concerning price or scope of work.

Sincerely,
James Cross

5015 – 208th Street S.W. Unit 1B Lynnwood, Washington 98036
Phone: 425.778.8280 Fax: 425.778.4541
Email: JamesC@QCCHome.com

Prices to Perform the Scope of Work Listed Below:	\$38,800.00
	Sales Tax (8.8%) \$ 3,344.00
Total Price:	\$ 41,344.00

Scope of Work

1. **Hardware:** QCC upgrades the following control panels, for installation by others at the existing pump stations.
 - A. **Qty 2 x Telemetry Interface Panels**, new UL listed PLC control panel with required telemetry hardware. Includes the IO and functionality provided required to monitor local tank levels and up to eight critical discrete alarm conditions. Includes, but not limited to the following major components:
 - a. NEMA 4/12 enclosure, estimated size 30"H x 24" W x 10"D.
 - b. Programmable Controller – Automation Direct Productivity 2000 Series PLC, includes the following IO modules:
 - i. Qty 1 x Power Supply, 24VDC
 - ii. Qty 1 x Rack – 5 slot
 - iii. Qty 1 x Discrete input card, 24VDC discrete input, 16 points.
 - iv. Qty 1 x Analog Input card, 4-20mA, 8 points.
 - v. Qty 1 x Relay output card, 8 points.
 - c. 10A Pheonix DC UPS power backup system with 7.2Ah battery.
 - d. Un-managed Ethernet switch
 - e. Telemetry Hardware for Ethernet connectivity, including:
 - i. CradlePoint IBR650C cellular router – T-Mobile activated.
 - f. Power distribution breakers and circuits as required to power all existing internal and external loads.
 - g. Control Relays as required to interface all control signals.
2. **The following services are provided in the quotations:**
 1. Installation coordination- QCC provides the required engineering and electrical design necessary to provide onsite coordination and assistance with the installation electrician. Includes identify point to point terminations for critical signals at each site.
 2. As built services – QCC will provide a complete CAD based drawing package of as-built system wiring diagrams for the upgraded systems included in this scope of work.
 3. Programming services- QCC will provide all required PLC, OIT, Wonderware SCADA, and telemetry programming and configuration required for a complete functional remote

telemetry system of the station. Includes configuration of the Win911, and Historian database for upgraded stations.

4. This quotation includes a full factory test of all hardware and software provided under this quotation. QCC will perform and complete un-witnessed test of equipment to be provided prior to hosting the district staff for a witnessed factory test. The factory test will demonstrate the functionality of the new hardware, and software for each upgraded site.
5. Startup and Commissioning- QCC provides the required field testing, startup, and commissioning of the upgraded station including testing the control system, telemetry communications, Wonderware, and Win911 systems for each upgraded site.

STANDARD INCLUSIONS

We provide the following unless specifically excluded on our bill of material:

1. Equipment shipped FOB factory with freight allowed, tailgate, and destination.
2. Field wiring diagrams showing interconnection of field instruments and instrumentation panels.¹
3. Instruction manuals as required.
4. All necessary field start-up and calibration of the equipment we supply.

STANDARD EXCLUSIONS

We do NOT include the following unless specifically included in our bill of material:

1. Pipe, tubing, valves or fittings between the instrument and the process.
2. Conduit, wire or cable not integral to instrument or control panels supplied by QCC.
3. Mounting brackets, stanchions, supports or mounting pads not an integral part of the instrument.
4. Labor to install the equipment.
5. The Cost, (if due to local union regulations), to have local craftsman make adjustments or wiring modifications to our equipment during start-up and calibration.
6. Any material or services not in our quoted sections.
7. This proposal is based on award of a supply purchase order and does not include any of the costs associated with bonding or subcontract administration. If bonding or a subcontract is required they can be provided for additional cost.

This scope of work and pricing is acceptable and agreed upon by:

Water District 90 Authorized Signature:



(Signature)

7/16/24

(Date)

Operations Manager

(Title)

JOSH DRUMMOND

(Printed Name)

QCC Quality Controls Authorized Signature:

James Cross, Vice President
Quality Controls Corporation

(Date)