

KING COUNTY WATER DISTRICT NO. 90

KING COUNTY, WASHINGTON

RESOLUTION NO. 1058

A RESOLUTION of the Board of Commissioners of King County Water District No. 90, King County, Washington, authorizing contract for Pump Station 1 Control System Upgrades and integration of existing fluoride analyzer in the sum of \$107,448.00, plus applicable tax, and cost of performance bonding.

WHEREAS, the District is required to upgrade its station control and telemetry systems for Pump Station #1 to respond to changes and limitations of the current system; and

WHEREAS, the District, after substantial investigation, has determined the necessity and suitability of upgrading the Pump Station #1 systems; and

WHEREAS, Quality Controls Corporation has specific and specialized knowledge of the District's system and special facilities through its maintenance and professional services previously provided; and

WHEREAS, District management has advised the Board that the installation is of a specialized nature at a specialized facility in which the service is best accomplished by direct negotiation; and

WHEREAS, the final purchase price is not in excess of the cost of the equipment or work.

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

SECTION 1: That the competitive bidding requirements of R.C.W. 57.08.050 are hereby waived upon the findings made hereinabove, and

SECTION 2: That a contract with Quality Controls Corporation is hereby authorized for the purchase and installation of Pump Station 1 control system upgrades as set forth in the "Scope

RESOLUTION NO. 1058

SUBJECT: Authorizing Award of Contract to Quality Controls Corporation for Pump Station 1 Control System Upgrades

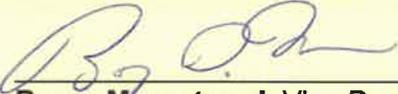
Letter & Price" dated March 15, 2019, for the total sum of \$107,448.00, plus applicable tax, and the cost of bonding.

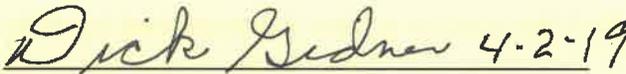
SECTION 3: That although competitive bid requirements are waived, the Contract with Quality Controls Corporation includes public works requirements regarding prevailing wages, bonding, retainage, and/or warranty, and the terms of said Contract are a condition of the work.

SECTION 4: That the General Manager is authorized to execute a Contract, and a copy shall be maintained for examination and inspection at the District's office, along with the Scope Letter & Price of Quality Controls Corporation.

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 19th day of March, 2019.


Sam Amira, President


Byron Murgatroyd, Vice-President


Dick Gidner, Secretary

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AGREEMENT FOR INSTALLATION OF SCADA SYSTEM

This Agreement ("Agreement") is made and entered into by and between King County Water District No. 90, a Washington municipal corporation ("District"), and QCC Quality Controls Corporation, a Washington corporation ("Consultant") (individually a "Party" and collectively the "Parties") for the purposes forth below.

1. Scope of Consulting Services. Consultant shall provide installation services to the District under the terms of this Agreement for the following Project: WD 90 Pump station 1 Control System Upgrades ("Project"). The scope of services is more fully described on **Exhibit A** attached hereto and incorporated herein by this reference ("Scope of Work" or "Work").

2. Compensation and Payment. District shall pay Consultant the amount of One Hundred Eighteen Thousand One-hundred Ninety-two and 80/100 dollars (\$118,192.80) including tax as set forth in **Exhibit A**. Such compensation shall be payable in the following manner:

a. Consultant shall submit a detailed monthly billing for all services provided describing in reasonable and understandable detail the services rendered, fees charged and expenses incurred by Consultant during the previous month, including fees and expenses for additional services authorized by District as provided herein. District shall pay the invoice within forty five (45) days of receipt, except as to any disputed amounts.

b. Upon District's failure to pay within forty five (45) days of receipt the undisputed amount set forth in any monthly billing submitted to District by Consultant, such unpaid balance will bear interest at the rate of one half percent (.5%) per month until the amount of such unpaid balance, plus interest thereon shall be paid in full.

c. Consultant shall maintain accounts and records of fees billed and expenses incurred as described in this Section 2 in accordance with generally accepted accounting principles, and agrees to make such accounts, records and supporting documentation available to the District and its authorized representatives for inspection at mutually convenient times, both during the Project work and for three (3) years following the final payment for services rendered or termination of the Consultant's services under this Agreement.

3. Schedule of Work. Consultant shall commence the performance of its services under this Agreement upon receipt of notice to proceed from the District to do so and shall provide the services in accordance with the schedule on **Exhibit A**, subject to delays for causes beyond the reasonable control of Consultant or as otherwise agreed to by District.

4. Subcontractors. Consultant shall not subcontract or assign any portion of the work covered by this Agreement without the prior written approval of the District, such consent to be given in District's sole discretion. Subject to the provisions of the preceding sentence, this Agreement shall be binding upon and inure to the benefit of the respective successors and assigns of the parties hereto.

5. Independent Contractor. Consultant is an independent contractor and not an employee of the District. Consultant shall be responsible in full for payment of its employees, including insurance and deductions, and for payment to any subcontractors. No personnel employed by Consultant shall acquire any rights or status regarding the District. All of the services required hereunder shall be performed by Consultant or under its direction, and all personnel engaged therein shall be fully qualified under applicable state, federal and local laws to undertake the work performed by them.

6. Changes in Scope of Services. The District may require changes or modifications in the scope of services to be performed under this Agreement. Any such changes or modifications shall be in writing and signed by the Parties. The compensation for the changes or modifications, whether a decrease or increase, shall be on the same terms and conditions as set forth in Paragraph 2 above or in a manner otherwise mutually agreed to by the parties.

7. Insurance. Consultant shall maintain throughout the performance of this Agreement the following types and amounts of insurance.

a. Comprehensive vehicle liability insurance covering personal injury and property damage claims arising from the use of motor vehicles with combined single limits of One Million Dollars (\$1,000,000).

b. Commercial General Liability Insurance written on an occurrence basis with limits no less than Two Million Dollars (\$1,000,000) combined single limit per occurrence and Two Million Dollars (\$2,000,000) aggregate for personal injury, bodily injury and property damage. Coverage shall include, but not be limited to: blanket contractual; products/completed operations; broad form property damage; explosion, collapse and underground (XCU) if applicable; and employer's liability; and

c. Professional liability insurance (Errors and Omissions insurance) with limits no less than One Million Dollars (\$1,000,000).

The insurance policies shall: (1) state that coverage shall apply separately to each insured against whom claim is made or suit is brought, except with respect to the limits of the insurer's liability; (2) be primary to any insurance maintained by the District, except as respects losses attributable to the sole negligence of the District; and (3) shall state that the District will be given 45 days prior written notice of any cancellation, suspension, non-renewal or material change in coverage.

The District shall be named as an additional insured on the Commercial General Liability Insurance policy with regard to work and services performed by or on behalf of the Consultant and a copy of the endorsement naming the District as an additional insured shall be attached to the Certificate of Insurance.

Before commencing work and services, Consultant shall provide to the District a Certificate of Insurance and required endorsements evidencing the insurance described above.

The District reserves the right to request and receive a certified copy of all required insurance policies.

The above insurance limits do not constitute a limit on Consultant's liability to the District. Any payment of deductible or self-insurance retention shall be the sole responsibility of Consultant.

Consultant shall be solely responsible for the safety of its employees and subcontractors at the Project work site, and shall comply with all applicable federal, state and local statutes, regulations and ordinances regarding safety.

8. Performance/Payment/Maintenance Bonds. Consultant will furnish performance and payment bonds for the faithful performance and payment of all its obligations under this Agreement, provided the District shall reimburse the Consultant for the reasonable cost of such bonds. Each bond shall be in penal sums at least equal to the Project Cost unless otherwise stated, in such form and with such corporate sureties as are acceptable to the District. The maintenance bond shall remain in effect to guarantee the repair and replacement of defective equipment, materials, and workmanship, and payment of damages sustained by the District on account of such defects, discovered within two (2) years after final acceptance of the Work by the District.

As an alternative to the payment and performance bond, if the contract amount is less than \$150,000.00, then Consultant may elect to have the District retain ten percent of the contract amount for a period of thirty days after the date of final acceptance, or until receipt of all necessary releases from the department of revenue, the employment security department, and the department of labor and industries and settlement of any liens filed under chapter 60.28 RCW, whichever is later.

Check one:

Consultant elects to provide bonds.

Consultant elects to ten percent (10%) retainage.

9. Retainage. The District shall retain and hold back a retainage in the amount of five percent (5%) (or ten percent if selected in paragraph 8) of any and all payments made to the Consultant for a period of thirty (30) days after the date of final acceptance of the Work, or until receipt of all necessary releases from the State Department of Revenue and the Department of Employment Security and until settlement of any liens relating to the Work filed under Chapter 60.28 RCW, whichever date is later.

10. Prevailing Wage. Prevailing Wages. The prevailing rate of wages to be paid to all workmen, laborers, or mechanics employed in the performance of any part of this Contract shall be in accordance with the provisions of Chapter 39.12 RCW, as amended. The rules and regulations of the Department of Labor and Industries and the schedule of prevailing wages rates for the State of Washington where this Contract will be performed as determined by the

Industrial Statistician of the Department of Labor and Industries, are by reference made a part of this Contract as though fully set forth herein.

Inasmuch as the list of prevailing rate of wages is revised periodically by the Department of Labor and Industries it is the sole responsibility of the CONSULTANT to ascertain any changes in the prevailing rate of wages that may have occurred during construction and make appropriate changes in payment of wages and benefits to the aforementioned workmen, laborers, or mechanics.

Current prevailing wage data may be obtained upon request from the Industrial Statistician of the Department of Labor and Industries, ESAC Division, General Administration Building, Olympia, Washington 98504, telephone (206) 753-4019.

It shall be the sole responsibility of the CONSULTANT to assign the appropriate classification to persons performing work on this CONTRACT, to ascertain the applicable prevailing rate of wages for each classification, and to not pay a worker less than the minimum hourly wage rates and fringe benefits for said worker's classification.

In case any dispute arises as to what are the prevailing rates of wages for work of a similar nature and such dispute cannot be adjusted by the parties in interest, including labor and management representative, the matter shall be referred for arbitration to the Director of the Department of Labor and Industries of the State and his decision therein shall be final and conclusive and binding on all parties involved in the dispute as provided for by RCW 39.12.060 as amended.

11. Indemnification. Consultant shall defend, indemnify and hold harmless the District, its elected and appointed officers, employees and agents and volunteers from and against all claims, injuries, damages, liabilities, losses of suits, including attorneys' fees and costs, arising out of or relating to Consultant's performance under this Agreement, except for injuries or damages caused by the sole negligence of the District. For the purposes of this indemnification, Consultant specifically and expressly waives any immunity granted under the Washington Industrial Insurance Act, Title 51 RCW. This waiver has been mutually negotiated and agreed to by the parties. If a court of competent jurisdiction determines that this contract is subject to RCW 4.24.115, Consultant's obligation to defend, indemnify and hold harmless the District, its officers, employees, agents and volunteers shall be limited to the extent of Consultant's negligence. The provisions of this Section shall survive the expiration of termination of this Agreement.

12. Ownership of Documents and Work Product. Consultant agrees to return to District upon termination of this Agreement all documents, logs, drawings, photographs and other written or graphic material, however produced, received from District and used by Consultant in performance of its services hereunder. All documents, logs, drawings, specifications, designs, programs, software, information, equipment reports, mylars, surveys, data, reports and other work product (collectively referred to as "Work Product") produced by Consultant in connection with the services rendered under this Agreement shall be owned by District. Except for software and related documentation copyrighted by Consultant, District shall own all copyrights to such Work Product and Consultant agrees to assign all ownership rights to

such Work Product to the District. Reuse of any such Work Product by the District for other than a specific project or modification in use by the District of any of the Work Product without the Consultant's prior written approval shall be at the District's sole risk.

13. Standard of Care. Consultant shall perform its services under this Agreement with the level of care, skill and competence of the consulting profession in accordance with the standard for professional services at the time the services are rendered under similar circumstances, at the same time and in the same locality.

14. Right of Entry. District shall provide for the right of entry of Consultant and its subcontractors and all necessary equipment in order to complete the services under this Agreement.

15. Compliance with Codes and Standards. Consultant's Professional Services shall be consistent with the standard of care and shall incorporate those publicly known federal, state and local laws, regulations, codes and standards that are applicable at the time Consultant renders its services.

16. Termination. This Agreement may be terminated by either Party upon five (5) days written notice for any reason. In the event of termination, Consultant shall be entitled to compensation for all services performed, costs incurred, and equipment provided through and including the date of termination, except as to any disputed amounts.

17. Disputes, Claims and Appeals. The Consultant shall address questions or claims (other than a request for equitable adjustment) regarding the Agreement in writing to the District, within ten (10) days of the date in which the Consultant knows or should know of the question or claim (including any denial of request for equitable adjustment). No claim by the Consultant shall be allowed if asserted after final payment under this Agreement. No claim shall be allowed for any costs incurred more than ten (10) days before the Consultant gives written notice, as required in this section. The District shall ordinarily respond to the Consultant in writing with a decision, but absent such written response, the questions or claim shall be deemed denied upon the tenth (10th) day following receipt by the District. Discussion between Consultant and District after the time period for notification of claim has expired shall not waive the ten (10) day requirement in this Pending final decision of a dispute hereunder, the Consultant shall proceed diligently with the performance of the Agreement and in accordance with the direction of the District. Complying with the procedures set forth herein is a prerequisite to filing any lawsuit by the Consultant against the District. Failure to comply precisely with the time deadlines under this Section as to any claim shall operate as a waiver and release of that claim and an acknowledgement of prejudice to the District.

18. Patents, Royalties and Consultant's Infringement Indemnity. The Consultant is responsible for paying all license fees, royalties or the costs of defending claims for the infringement of any intellectual property that may be used in performing this Agreement. Before final payment is made on this Agreement, the Consultant shall, if requested by the District, furnish acceptable proof of a proper release from all such fees or claims.

19. Consultant's Infringement Indemnity. Consultant shall indemnify and hold the District harmless from and against any and all third-party suits, actions, losses, damages, claims or liability of any type of character, type or description, including, but not limited to, all expenses of litigation, court costs and attorneys' fees, based upon any claim of infringement of any patent or other license or intellectual property right (whether by way of trademark or otherwise) resulting directly or indirectly from the manufacture, sale, supply or importation of the parts and components or their use in a waste water treatment plant. Consultant agrees to notify the District as soon as reasonably possible of any material matters with respect to which the foregoing indemnity is likely to apply and of which the Consultant has actual knowledge. If notified in writing of any action or claim for which the Consultant may be liable to provide indemnity, the Consultant shall, without limitation, defend (subject to reasonable consultation with the District) such action or claim at Consultant's expense and pay the cost and damages and attorneys' fees awarded against the District in such action or claim; provided, however, that the Consultant shall have the reasonable right to control the defense and settlement of all such actions or claims, which settlement shall be subject to the consent of the District if applicable, not to be unreasonably withheld. Indemnification pursuant to this provision shall not be predicated on the District having made payment on any such claim. The obligations of this Subsection 1.18 shall survive Contract completion or termination and/or assignment of this Contract.

20. Time of the Essence. Notwithstanding any other remedies allowed under this Agreement, the Parties agree that time is of the essence on each and every portion of the Agreement.

21. Acceptance Process. The District may give iterative acceptances as the Work is accomplished either by phase or milestone. The Consultant shall give the District "notice of completion" of Work related to a specific milestone following the Consultant's completion of all such Work associated with the Milestone or phase.

A. Acceptance process.

Upon completion of the milestone deliverables the Consultant shall notify the District in writing and the Acceptance process will commence. Acceptance shall be based on conformance with the milestone guidelines. After notice by Consultant of completion of the milestone, District will issue a written notice of milestone Acceptance or provide Consultant with a notification of rejection, which will include documentation of the specific grounds for rejection, outlining items not in compliance with the deliverable guidelines. Acceptance shall not be unreasonably withheld.

B. Correction of deficiencies process.

If a deliverable is rejected, Consultant will have a commercially practicable time to correct items documented in the District's notification of rejection. Following the delivery of Consultants' notice that the Work has been corrected, the District will issue a written notice of Acceptance or provide Consultant with a notification of rejection, which will include documentation of the specific grounds for the rejection, outlining Work not in compliance with the milestone. The project

schedule will be adjusted accordingly in the event that a dispute regarding the method or accuracy of the correction causes a delay. If the deliverable(s) fails to comply with the milestone after Consultants' second attempt to correct the Work and no clear plan can be agreed upon between the District's Project Manager and the Consultant's Project Manager, the District will determine the appropriate corrective actions.

22. Final Acceptance Process. The District shall begin the Final Acceptance process in accordance with the Agreement as follows:

A. Final Acceptance shall be based on successful completion of commissioning period, as set forth in the Specifications and described in the Scope of Work provided in Exhibit A.

B. If the District Accepts the Work, the District will send a notice of Final Acceptance to the Consultant indicating the successful completion of the performance testing described in the Scope of Work, Exhibit A.

C. If the District determines that the Work is not acceptable, the District shall notify the Consultant in writing, describing the deficiencies.

D. The Consultant shall either provide a detailed, written plan to achieve Final Acceptance or to make corrections or replacements within a mutually agreed upon time period with no charge to the District. The Parties shall mutually agree on a start date for beginning another Performance test as described in Attachment A, Scope of Work.

E. If the District Accepts the Work following a second or subsequent Performance Test the District will send a notice of Final Acceptance to the Consultant

F. If the Consultant does not correct or replace the unacceptable Work the District may declare a breach of contract.

G. Final Acceptance shall not be unreasonably withheld.

23. Warranty Provisions. Consultant warrants that the Work shall in all material respects conform to the requirements of this Agreement. Consultant warrants that qualified, professional personnel with in-depth knowledge shall perform the Work in a timely and professional manner, and that the Work shall conform to the standards generally observed in the industry for similar Work and shall be in compliance with all applicable laws, rules and regulations. Consultant further warrants that its provided service, software and equipment shall perform substantially in accordance with the description of such in this Agreement and its Exhibits, for a period of two (2) years from the date of final acceptance and that all service, software, and equipment shall be free from defects in materials and workmanship for a period of one (1) year from the date of final acceptance.

24. General Provisions.

a. Notices. Any notice or demand desired or required to be given under this Agreement shall be in writing and deemed given when personally delivered, sent by electronic mail, or deposited in the United States Mail (or with an express courier), postage prepaid, sent certified or registered mail, and addressed to the Parties as set forth below or to such other address as either Party shall have previously designated by such a notice:

To the District:

King County Water District No. 90
Attn: Darcey, Peterson, General Manager
15606 SE 128th Street
Renton, WA 98059
Email: darceyp@kcwd90.com

To the Consultant:

Quality Controls Corporation
C/o James Cross
5015 208th Street SW, Suite 1-B
Lynnwood, WA 98036
Email: Jamesc@qcchome.com

b. Entire Agreement. This Agreement and its exhibit attachments contain the entire understanding between the District and Consultant relating to the consulting services which are the subject of this Agreement. This Agreement merges all prior discussions, negotiations, letters of understanding or other promises whether oral or in writing. Subsequent modification or amendment of this Agreement shall be in writing and signed by the parties to this Agreement.

c. Waiver. Waiver of any breach or default hereunder shall not constitute a continuing waiver or a waiver of any subsequent breach either of the same or of another provision of this Agreement.

d. No Third Party Rights. This Agreement is made only for the benefit of the District and Consultant and successors in interest and no third party or person shall have any rights hereunder whether by agency, as a third party beneficiary, or otherwise.

e. Jurisdiction/Law. This Agreement shall be governed by and construed in accordance with the laws of the State of Washington. Any suit to enforce or relating to this Agreement shall be brought in King County Superior Court, King County, Washington.

f. Severability. If any term, covenant or condition of this Agreement is held by a court of competent jurisdiction to be invalid, the remainder of this Agreement shall remain in effect.

g. Effective Date. The effective date of this Agreement shall be the March 19, 2019 ("Effective Date").

Quality Controls Corporation
("CONSULTANT")

King County Water District No. 90
("DISTRICT")

By James T. Cross
Typed Name JAMES T. CROSS
Its Vice-President
Dated 4/1/19

By Darcey Peterson
Typed Name Darcey Peterson
Its General Manager
Dated 4/1/19

EXHIBIT A

SCOPE OF WORK/SCHEDULE/FEE PROPOSAL



5015 208th. St. S.W. Suite 1-B
Lynnwood, Washington 98036
Phone (425) 778-8280
Fax (425) 778-4541

Scope Letter & Price

March 15, 2019 Quote Number: Q3373 Rev. A

Attn: Darcey J. Peterson
 General Manager
 King County Water District No. 90

Project: WD90 Pump Station 1 Control System Upgrades
 Rev A- Integration of existing fluoride analyzer.

Reference: -Existing District Telemetry Standards
 -Existing Pump Station #1 electrical drawings and as-built conditions
 -Kickoff meeting for PS1 upgrade on 9/28/18
 -Stantec PS1 Hydraulic Study

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

This quote is valid for **One (1) year** 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, **including installation by licensed electrical contractor**. 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.

A handwritten signature in black ink that reads "James Cross". The signature is written in a cursive, flowing style.

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 for each of the following sites:

▪ Control System Hardware and Integration Services	\$84,681.00
▪ Pump Station 1 Electrical Installation & Permitting	\$22,767.00
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Subtotal:	\$ 107,448.00
Sales Tax (10.0%)	\$ 10,744.80
Total Price:	\$ 118,192.80

Scope of Work

1. Hardware: QCC upgrades the station control and telemetry systems for pump station #1. The upgraded system includes at a minimum the following equipment. All hardware is provided installed and operational, including all required electrical permits.

A. New Station Control Panel- New UL listed PLC control panel with required telemetry hardware. Includes all IO and functionality provided by the existing system utilizing current district standard hardware and system architecture, including but not limited to the following major components:

- a. NEMA 4/12 enclosure, estimated size 36"H x 36"W x 12"D.
- b. Panel light, LED door switch activated.
- c. Programmable Controller – Automation Direct Productivity 2000 Series PLC, includes all required IO modules with 20% installed spares.
- d. Door mounted network convenience port.
- e. Door mounted laptop shelf.
- f. 10A PULs DC UPS power backup system with 7.2Ah battery.
- g. Ntron managed Ethernet switch
- h. Automation Direct 6" Touch Display
- i. Telemetry Hardware for Ethernet connectivity, including:
 - i. Sonicwall SOHO firewall
 - ii. DSL Modem/Router
- j. Power distribution breakers and circuits as required to power all existing internal and external loads.
- k. Control Relays as required to interface all control signals.

B. New 300HP Reduced Voltage Soft Starters (RVSS)- QCC upgrades the existing two MCC pump control sections with new motor controllers. QCC replaces the existing pump 1 & 2 motor starters. Includes all required modifications to the existing MCC sections, installation, and UL listings. Includes but not limited to the following major components for each of two pumps:

- a. New Allen Bradley SMC Flex Reduced Voltage Soft Starters, with pump control option, and internal bypass contactor.
 - b. New SMC protection modules.
 - c. Door mounted operator interface modules.
- C. New Power Factor Correction Capacitors-** QCC upgrades the existing two MCC correction capacitors sections. QCC replaces the existing correction capacitors and associated hardware within the existing MCC section. Includes all required modifications to the existing MCC sections, installation, and UL listings. Includes but not limited to the following major components for each of two pumps:
- a. Main Breaker, 100A 3pole molded case circuit breaker.
 - b. Capacitor rated contactor with pre-charge resistor kit.
 - c. Power factor correction capacitor system, 50kVAr, with fuses and blown fuse indicators.
- D. Integration of existing fluoride analyzer-** QCC provides the conduit and conductors required to integrate the analytical signals from the existing fluoride analyzer into the pump station telemetry panel and SCADA. Includes the following:
- a. All electrical work and permits required for new conduit and signal wiring between new telemetry panel and existing analyzer.
 - b. PLC and SCADA programming to provide monitoring, alarms, and historical logging/trending of the fluoride analyzer signals.

2. The following services are provided in the quotations:

1. Onsite Electrical Coordination Meetings- This quotation includes onsite electrical coordination meetings to be attended by QCC's project manager prior to construction for each station to be upgraded under this quotation.
2. Installation and cutover planning- QCC provides the required engineering and electrical design necessary to maintain required operation of the station throughout the upgrade project. QCC's project manager, engineering team, and electrical contractor will coordinate with district staff to identify operational requirements, develop shutdown plans, and coordinate equipment installations.
3. Electrical Installation- QCC's will provide electrical installation of all equipment provided in this quotation. Installation will be performed by a licensed electrical contractor in accordance with all applicable codes and regulations. Includes all required permitting.

Includes installation of all required temporary controls and equipment to maintain operational requirements of the station.
4. 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.
5. 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.

6. 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.
7. 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:

Dick Bidner
(Signature)

3-19-19
(Date)

Commissioner
(Title)

DICK GIDNER
(Printed Name)

QCC Quality Controls Authorized Signature:

James T. Cross
James Cross, Sales Manager
Quality Controls Corporation

4/1/19
(Date)

100