

CRESCENTA VALLEY WATER DISTRICT

2700 FOOTHILL BOULEVARD
LA CRESCENTA, CALIFORNIA

Agenda for the Meeting of the Engineering Committee
of the Crescenta Valley Water District

To be held on

October 12, 2017 at 9:00 AM

Posted October 10, 2017 at 3:00 pm

Call to Order

Adoption of Agenda

Information Items

1. Status of Groundwater Wells and Well Capacity
2. Award of Contract for 8-inch Water Main Replacement – 2700, 3000 & 3100 Blocks of Brookhill Ave, Project E-982
3. Award of Contract for SCADA programing for Chloramination Station at Williams Reservoir, Project E-733CS-2
4. Award of Contract for Landscaping of Slope as part of Lower Pickens Canyon Pipeline Crossing Repair, Project E-957
5. Advertisement for Bids for Well 10 Rehabilitation, Project E-987
6. Amendment No. 1 for Watermaster Legal Services with Downey Brand Attorneys, LLP

Public Comments

At this time, members of the public shall have an opportunity to address the Committee on items of interest that are within the subject matter jurisdiction of this Committee. This opportunity is non-transferable and speakers are limited to three (3) minutes each.

Committee Member's Request for Future Agenda Items

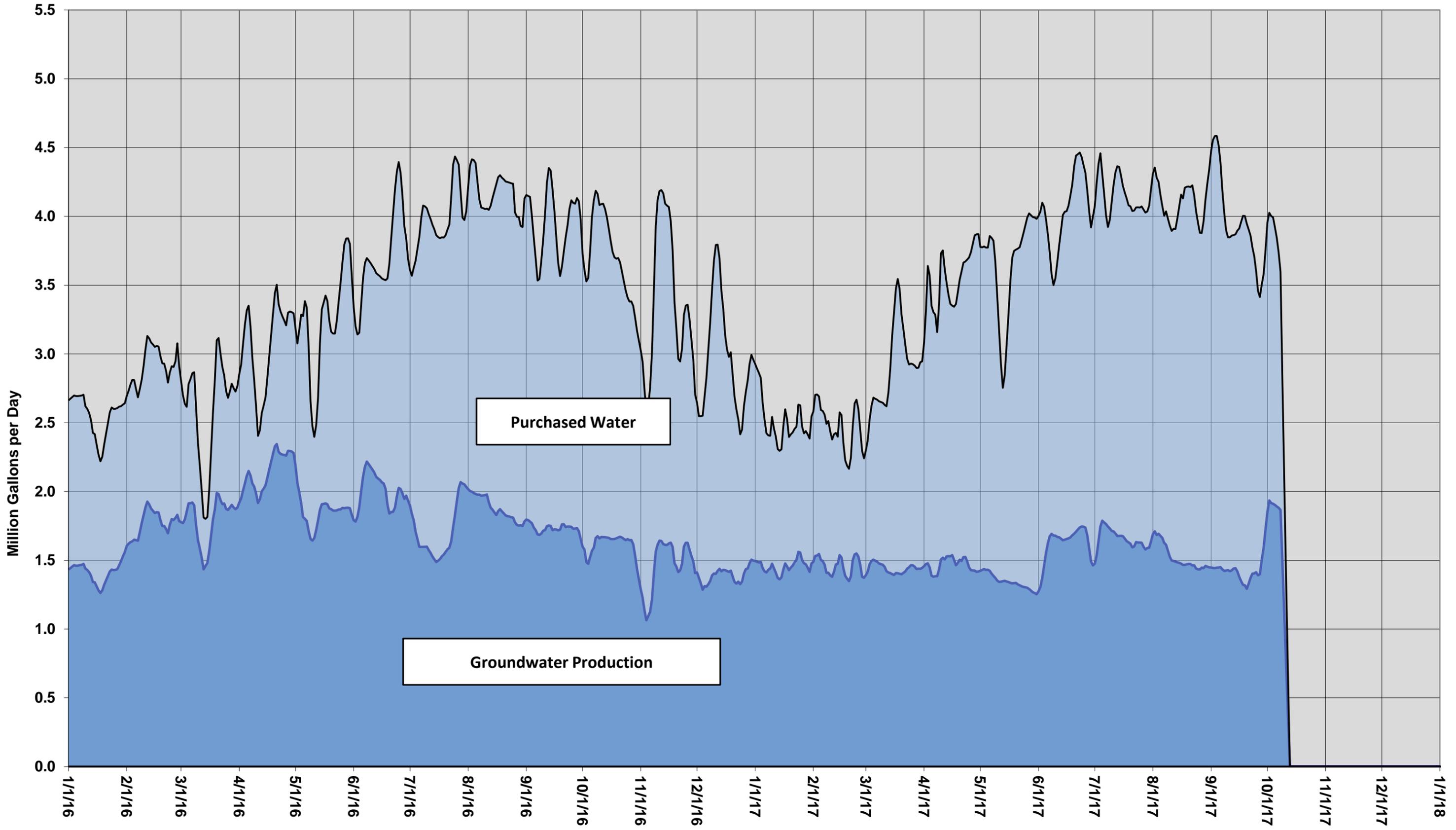
Next Engineering Committee Meeting – November 16, 2017

Adjournment

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Water Production Chart 2016 - 2017

■ Groundwater Production (MGD) □ Total Water (MGD)



CRESCENTA VALLEY WATER DISTRICT

STAFF REPORT

Information Item No. 2

October 12, 2017

To: Honorable President and Members of the Board of Directors

From: David S. Gould, P.E. – District Engineer

Subject: **Award of Contract - Water Main Replacement on the 2700, 3000 & 3100 Blocks of Brookhill Ave., Project E-982**

INFORMATION ITEM:

8-inch Water Main Replacement on the 2700, 3000 & 3100 Blocks of Brookhill Ave., Project E-982 – Consideration and motion to authorize the General Manager to award a contract to the lowest responsible bidder, _____, for the for the construction of 2,700 lineal feet of pipeline replacement on the 2700, 3000 & 3100 Blocks of Brookhill Ave at a cost of \$XXX,XXX and establish a contingency amount of \$XX,XXX (10% of contract) to cover the cost of unforeseen or additional work.

BACKGROUND:

The District's goal is to replace a minimum of 2,000 linear feet of pipeline which is 50 years or older, per year which was included as part of the FY 17/18 CIP budget. The pipelines planned to be replace are on the 2700, 3000, & 3100 Blocks of Brookhill Ave and the 5000 Block of La Crescenta Ave. These pipelines are undersized (4-inch pipe), located within the parkway and have had numerous leaks over the last 5 years.

The pipeline will have to be relocated outside a LA County Flood Control Channel (Quail Creek Channel) since there is only 4 inches of pavement above the top of the concrete channel. Also, a small portion of the project is at the intersection of Pennsylvania and Brookhill and Glendale has been planning to re-surface Pennsylvania Ave from the 210 Freeway to Markridge starting in February 2018. It is staff's goal to get this portion of the work completed before Glendale's project.

DISCUSSION:

Bid Opening:

On September 19, 2017, the Board authorized the General Manager to advertise for bids for the subject project. A mandatory pre-bid meeting was held on October 4, 2017, which was attended by six (6) contractors. CVWD specifications indicate that only contractors who attend this meeting are allowed to bid on the project.

On October 11, 2017, at 2:00 PM, the District opened and read the following bid proposals for this project:

	<u>Bidder</u>	<u>Total Bid Amount</u>
Low		\$XXX,XXX
2		\$XXX,XXX
3		\$XXX,XXX
4		\$XXX,XXX
5		\$XXX,XXX
6		\$XXX,XXX

_____ of _____, CA was the apparent lowest responsible bidder for the project. The engineer's estimate was \$625,000 and the low bid was \$XXX,XXX or XX% _____ than the engineer's estimate.

Staff has previously worked with _____ on the construction of _____. Staff was satisfied with the progress of these projects and change orders were minimal.

Ms. Christina Olmedo will be the project manager, and Mr. Cory Whitman will provide field inspection. The construction cost estimate for the project is \$624,000, and the entire project costs including materials, soils engineer, staff engineering and inspection, and contingencies are estimated at \$751,400.

RECOMMENDATION:

It is staff's recommendation to award the contract for the subject project to the lowest responsible bidder, _____ at a cost of \$XXX,XXX and establish a 10% contingency fund of \$XX,XXX.

ENVIRONMENTAL REVIEW:

This project is exempt from the California Environmental Quality Act (CEQA) pursuant to Section 15301 of the CEQA Guidelines. This exemption covers the repair of existing facilities involving negligible or no expansion of existing use.

FUNDING AVAILABILITY:

Account Description	Amount
FY 17/18 Water CIP- Water Distribution	\$760,000
Contractor Cost	<\$XXX,XXX>
Unforeseen or additional work (10% contingency)	<\$XX,XXX>
Additional costs such as material purchase by CVWD, soils engineer, engineering & inspection labor costs	<\$XX,XXX>
Total Cost	<\$XXX,XXX>
Amount Remaining in Water CIP – Distribution System	\$XX,XXX

Prepared by:

Christina Olmedo
Assistant Engineer

Attachments:

1. Bid Summary

Submitted by:



David S. Gould, P.E.
District Engineer

CRESCENTA VALLEY WATER DISTRICT

STAFF REPORT

Information Item No. 3

October 12, 2017

To: Honorable President and Members of the Board of Directors

From: David S. Gould, P.E. – District Engineer

Subject: Award of Contract - Procurement of SCADA Equipment for Chloramination Station at Williams Reservoir, Project E-733CS-4

INFORMATION ITEM:

Award of Contract for the Procurement of SCADA Equipment for Chloramination Station at Williams Reservoir, Project E-733CS-4 – Consideration and motion to authorize the General Manager to award a contract for the procurement of SCADA equipment and programming to Tesco Controls, Inc. at a cost of \$30,920.

BACKGROUND:

In 2008, CVWD received a Proposition 50 Grant from the State of California to construct an emergency water supply interconnection with the Los Angeles Department of Water and Power (LADWP) and the Foothill Municipal Water District (FMWD). In an emergency, water from the interconnection would supply not only CVWD, but could be brought through CVWD's system to FMWD's system and ultimately provide water to the La Cañada Flintridge and Altadena areas. The project would provide a second source of water to the Crescenta Valley, La Cañada Flintridge, and the Altadena areas in case the main water supply from MWD is interrupted due to a disaster event or planned shutdown at MWD's Weymouth Plant. The Chloramination Station & Metering Vaults at Williams Reservoir project was separated into smaller phases using CVWD crews and specialty contractors to reduce the construction costs of the project.

The construction of the facilities is complete. On July 7, 2015 a contract was awarded to General Consolidated Constructors for the construction of the chloramination building at Williams Reservoir. The construction was completed in March of 2016. Treatment equipment provided by Cortech engineering was procured in September of 2016. Electrical wiring installation of all the equipment was completed in November of 2016. At this time, FMWD requested that additional work be done to improve emergency supply operations. This construction was completed in early July 2017.

Barring any additional change requests from FMWD, all equipment at Ocean View has been installed with several tests having already been concluded.

DISCUSSION:

With construction being complete, Staff would like to move forward with incorporating all of the newly installed equipment into SCADA. Currently, SCADA equipment and PLC/RTU programming is provided by Tesco Controls, Inc. (Tesco). Staff prepared a RFQ for the SCADA equipment and programming which was sent out to Tesco on January 3, 2017.

Tesco's quote was returned on September 13, 2017, and includes programming the existing RTU to transmit water quality and flow data, Update all SCADA alarms and graphics, and field service for any additional wiring or calibration for a total cost of \$30,920. Staff anticipates all changes and updates to be completed by February 2018.

RECOMMENDATION:

It is staff's recommendation to award a contract to Tesco Controls, Inc. for the quote attached. Staff will contact Tesco to coordinate an agreement, insurance documents, and to start the shop drawing process, so as not to delay the project.

ENVIRONMENTAL REVIEW:

N/A

FUNDING AVAILABILITY:

The following table shows that there are sufficient funds available for the project:

Account Description	Amount
FY 17/18 Water CIP– Water Supply – Import Water	\$50,000
Quote for SCADA Procurements	\$30,920
Amount Remaining in Water CIP – Water Supply – Import Water	\$19,080



Brook Yared, M.S., P.E.
Associate Engineer

David S. Gould, P.E.
District Engineer

Attachments:

1. Tesco Control, Inc. quote dated 9/13/17

To: Crescenta Valley Water District

Quote Date: Sept. 13, 2017

Attn: Brook Yared

Quote No.: 171090Q01

Re: Williams Reservoir Chloramination Station RTU-6 PLC Modifications

Thank you for your interest in TESCO products, services, and solutions. We are pleased to quote the following scope of work pertaining to the above-referenced project. The scope includes PLC program modifications at RTU-6 to provide qty. of two valve open/close control with valve feedback status, flow rate status with total flow from each valve, qty. of two chemical storage tank levels, and chemical analyzer statuses. TESCO will perform required program modifications to include associated alarm setpoints and shall provide required SCADA tags for configuration to both CVWD and FMWD SCADA systems. FMWD SCADA Configuration & communication, by others.

TESCO understands that all required signals (signal wire or Ethernet) for RTU-6 shall be installed and brought into the panel by others for termination by TESCO.

Item	Qty	Description	Price
1	1	Misc. Parts for RTU-6 PLC to Include: <ul style="list-style-type: none"> ▪ LIQ5 I/O termination board ▪ Ethernet switch ▪ Misc. labels, fuses, etc. 	\$1,140.00
2	Lot	Professional Services: <ul style="list-style-type: none"> ▪ Engineering & Project Management ▪ PLC Programming – revised program description, configure setpoints, develop program O&M ▪ SCADA Configuration – modify RTU-6 graphics, configure statuses and alarms ▪ Field Service – installation verification, wire termination, instrument calibrations, field testing, and startup 	\$29,780.00
TOTAL FOR ITEMS 1 & 2:			\$30,920.00

Project Clarifications

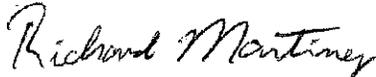
- Unless otherwise stated above, quote is to **furnish only** and does not include trade labor/electrical installation services or field wire terminations.
- Unless otherwise stated above, the following is **not** included within this quotation:
 - Conduit, field wire, tubing, or basic trade installation materials (brackets, screws, bolts, j-box, stanchions, pull-box, etc.)
 - Instrumentation mounting components, brackets, stanchions, sunshields, etc.
 - Local control stations and/or field mounted disconnects.
 - Instrumentation, devices, components, or equipment not defined by the above quotation.
 - Fiber optic patch panels, cable, splicing or terminations.
 - Networking infrastructure or architecture modifications to existing facilities.
 - Any 3rd party independent testing, harmonic testing/analysis, power coordination study, or Arc-Flash Hazard Analysis (AFHA) study.
 - Allen Bradley PLC programming.
 - Interconnection or loop diagrams for equipment not furnished by TESCO.

Terms and Conditions

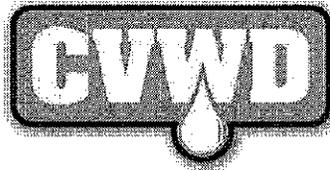
- Quote is firm for 30 days unless otherwise stated.
- Submittals: a Submittal Schedule will be provided approximately **2-4** weeks after receipt of purchase order, written notice of intent, or notice to proceed.
- Delivery: to be scheduled approximately **8-10** weeks minimum after submittal approval.
- Price does include applicable sales tax, use tax, & applicable fees.
- TESCO price is FOB factory, full freight allowed.
- TESCO warranties against defect in design workmanship and materials for a period of one year from date of installation, and does not exceed 18 months from the date of shipment from the factory.
- TESCO carries liability insurance, with full workman's compensation coverage.
- Terms are net 30 days on approved credit accounts.
- Interest will be applied to all past due invoices.
- All merchandise sold is subject to lien laws.
- Final retention to be paid within 10 days after the project notice of completion.

Please feel free to contact us at (916) 395-8800 to discuss any questions or comments you may have regarding this quotation.

Sincerely,



Richard Martinez
Technical Sales
TESCO Controls, Inc.
(916) 395-8800
(916) 730-9936 – Mobile
rmartinez@tescocontrols.com



**Request for Quote
PROJECT E-733CS Williams Reservoir Chloramination Station
RTU-6 and PLC Programming Modifications**

Item No.	Approximate Quantity	Description	Unit Price	Total
1	Lump Sum	Write program changes to the RTU-6	\$	\$
2	Lump Sum	Install program changes on RTU-6	\$	\$
3	Lump Sum	Allen Bradley PLC programming	\$	\$
4	Lump Sum	Provide and Install parallel analog inputs for FMWD to RTU send to their SCADA	\$	\$
5	Lump Sum	SCADA interface and alarm update	\$	\$
6	Lump Sum	Start up and testing	\$	\$
7	Lump Sum	Provide new process and instrumentation diagram and summary of changes for all wiring and programming adjustments	\$	\$

TOTAL PRICE IN WRITTEN WORDS (ITEMS 1-7)

THIRTY THOUSAND, NINE HUNDRED Dollars
TWENTY DOLLARS & ZERO CENTS and Cents \$ 30,920.⁰⁰

Contractor's Name TESCO CONTROLS, INC.

Contractors Address 8440 FLORIM ROAD
SACRAMENTO, CA 95828

Contractors Telephone No. (916) 395-8800

Contractors License No. 458072 (C-10)

9-13-17
Date

Rich Martz
Authorized Signature

CRESCENTA VALLEY WATER DISTRICT

STAFF REPORT

Information Item No. 4
October 12, 2017

To: Engineering Committee
From: David S. Gould, P.E. – District Engineer
Subject: Amendment No. 2 for Slope and Landscaping Restoration Services for the Lower Pickens Canyon Pipeline Crossing Repair, Project E-957

INFORMATION ITEM:

Lower Pickens Canyon Pipeline Crossing Repair, Project E-957 – Recommendation to amend the existing professional service agreement with AMEC Foster Wheeler (AMEC) to provide slope and landscaping restoration services related to the Lower Pickens Canyon pipeline repair project at a total cost of \$10,000.

BACKGROUND:

In May 2017, E & R Construction completed construction of the 8-inch Water Transmission Main for the Lower Pickens Canyon Crossing. The final phase will be to install landscaping and groundcover to prevent erosion and to re-establish the native plants removed during construction.

DISCUSSION:

Staff met with AMEC to prepare a scope of work and determine the limits of the slope restoration. The timing of the project is to coincide with the fall/winter planning season. Also, a key element of the project will be to provide a temporary irrigation system to help the plants get established during the first year of growth.

AMEC will provide the labor, material and equipment, as shown on the attached scope of work, to spread a native seed mixture with top soil over the existing turf reinforcement mat, install native plants at various locations on the slope and install a temporary irrigation system. CVWD crews will install a temporary water meter service for use during the project. Another requirement of the project will be to maintain the plant health during the 1st year growing period with quarterly site visits and monitoring of the site to ensure the native plants get established over a two-year period.

RECOMMENDATION:

It is staff's recommendation to amend the existing professional service agreement with AMEC to provide slope and landscaping restoration services at a total cost of \$10,000.

FUNDING AVAILABILITY:

There are sufficient funds available in the following account for the project:

Account Description	Amount
FY 17/18 Water CIP– Water Distribution – Lower Pickens Canyon Pipeline	\$60,000
Original Contract 16-05 - Design & Permitting	<\$20,500>
Amendment No. 1 – Inspection Services	<\$22,685>
Request for Amendment No. 2 for Slope and Landscaping Restoration Services	<\$10,000>
Total Revised Contract	<\$53,185>
Slope And Landscaping Restoration Services - AMEC	\$30,500
<i>Amount remaining in Contract 16-05 as of 10/1/17</i>	<\$17,396>
Request for Amendment No. 2 for Slope and Landscaping Restoration Services	<\$10,000>
Amount Remaining in Contract Amount	\$3,104
FY 17/18 Water CIP– Water Distribution – Lower Pickens Canyon Pipeline	\$60,000
Amount Requested	<\$27,396>
Amount Remaining – Lower Pickens Canyon Pipeline	\$32,604

Prepared & Submitted by:



David S. Gould, P.E.
District Engineer



October 10, 2017
Project 92310080

Mr. David S. Gould, P.E.
District Engineer
Crescenta Valley Water District
2700 Foothill Blvd.
La Crescenta, CA 91214

SUBJECT: Proposal to Provide Slope Repair Restoration Services for Pickens Canyon Slope Repair

Dear David:

Per your request, Amec Foster Wheeler Environment & Infrastructure (Amec Foster Wheeler) is pleased to provide this letter proposal which includes our scope of services and estimated costs to provide slope repair restoration, maintenance, and monitoring for two years from initial restoration implementation. Our proposed scope of services would be performed in-house with Amec Foster Wheeler as the restoration contractor.

1.0 PROJECT UNDERSTANDING

Amec Foster Wheeler understands that Crescenta Valley Water District is requesting a proposal to complete the restoration task on a stabilized slope repair located in Pickens Canyon at residential address 5481 Ocean View Blvd. Tasks should follow the restoration plan and adhere to stated application rates, amounts, and success criteria. The project site is located on a steep slope west of the residence and consists of an area measuring approximately 85 x 60 feet, or roughly 5,100 square feet (0.12 acre). It is our understanding that the original regulatory permits are still current and will not require any modifications or amendments. A restoration plan has been prepared.

2.0 PROPOSED SCOPE OF SERVICES

Based on the restoration plan, Amec Foster Wheeler proposes to facilitate and perform 5 tasks, as described below.

2.1 Task 1 – Site Preparation

Amec Foster Wheeler will place one to two inches (approximately 15 cubic yards) of soil on top of the existing turf reinforcement mat. The topsoil should be weed free and should have similar characteristics to the repair site's surrounding soils. Prior to application of the additional topsoil,

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Amec Foster Wheeler Environment & Infrastructure, Inc.
121 Innovation Drive, Suite 200
Irvine, CA
USA 92617-3094
Tel (949) 642-0245
Fax (949) 642-4474
www.amecfw.com

approximately 30 percent of the native seed mix will be broadcasted directly on top of the turf reinforcement mat. The topsoil will then be applied over the seed and spread out so that it covers the entire site to a depth of one to two inches. Topsoil will need to be applied using a blower truck and long reach hose or similar equipment. If necessary, the topsoil will be spread over the site with the use of landscape rakes to achieve the desired contour and depth.

2.2 Task 2 – Seeding and Planting

Two native seed mixes will be applied to the restoration site, as per the restoration plan. The seed mixes include quick starting grasses for initial soil protection and slower growing perennials that will provide permanent cover and soil stabilization. Seed mixes will be applied by hand and broadcasted with a belly grinder type spreader, ensuring that seed is spread evenly throughout the entire site. As mentioned above in the Site Preparation section, approximately 30 percent of the seed mixes will be applied directly on top of the turf reinforcement mat before the addition of topsoil. The remainder of the seed mixes (approximately 70 percent) will be broadcasted on top of the added topsoil and then raked in lightly.

Thirty native container plants will be installed on the site. Container plants will be acquired from a qualified nursery that specializes in native plants. The plants will be inspected to be certain plants are healthy and vigorous. Plants that are dead, root-bound, stunted, pest-infested, diseased, or unacceptable for other reasons will be rejected. Plant distribution, spacing, and layout will be determined on site according to site conditions.

Container plants will be installed following standard planting procedures for native plants. This includes digging a hole approximately twice the size (width and depth) of the plant rootball. The hole is then filled with water and allowed to drain. Plants are then positioned so that the surface of the soil in the container is at ground level or slightly above, with backfill from the excavation of the hole added carefully beneath and around the installed plant's rootball. The soil is then firmly tamped in around the plant. A small berm of two to three inches high should surround the edge of the planting hole to hold water. The plant should be watered in thoroughly immediately following installation.

2.3 Task 3 – Irrigation

A temporary irrigation system will be installed to provide supplemental irrigation to seeds and container plants during the two year establishment phase. The temporary system will be connected to the adjacent residence with a battery operated backflow anti-siphon valve. A one-inch pipe will serve as the main line and two lateral lines will be located on either side of the site. The lateral lines will have three to four heads on each side spaced out so that all parts of the site receive water. Each container plant will also receive water from two one-half gallon-per-hour drip emitters. The system will also be equipped with a rain sensor that automatically shuts the system off when it rains.

It is expected that the temporary irrigation system will be used during the first two years of growth to help with the establishment of the seeds and plantings. Irrigation will begin in early fall 2017 following seed and plant installation and continue every week until the season's first rain. After that, irrigation will occur once every two weeks through the winter and spring months, as needed, during periods of no rain. Irrigation will continue once every two weeks through the summer and fall months until the rainy season begins. This irrigation schedule will be repeated through the following winter, spring, and summer months. Irrigation volume will be gradually reduced over time to acclimate plants to a non-irrigated condition prior to complete cessation of irrigation.

2.4 Task 4 – Maintenance

Maintenance activities will include inspection of plant health, exotic species (weeds) control, and inspection/repair of the irrigation system. Weed control will be necessary to reduce weed competition with native species during the establishment period. Weeds will be controlled by hand removal, mechanical cutters, or herbicide applications. Weed control will be conducted by personnel familiar with and trained in native habitats that can distinguish weeds from native species. Herbicide applications will be made by certified or licensed applicators who are trained and experienced in maintenance of native habitats.

Site maintenance will occur four times during the first year following installation and three times during the second year.

2.5 Task 5 – Monitoring

Monitoring of the site will include qualitative and quantitative monitoring. Qualitative monitoring will occur during maintenance visits and will consist of assessing the site for plant health and vigor and identification of any issues that need to be addressed.

Quantitative monitoring will occur during the first late spring/early summer following installation (year one) and then again the following late spring/early summer (year two). Quantitative monitoring will consist of container plant survival counts and collection of data along two point-intercept transects. Two 20-meter transects will be established at the site before or during the first quantitative monitoring effort. The ends of each transect should be clearly marked on site and/or recorded on a global positioning system (GPS) so that they can be located during the year two monitoring effort. Data will be collected at 0.5-meter intervals along the two transects and will be used to determine percent cover of native and non-native species.

The following success criteria will be used to assess the progress of the revegetation effort:

- At least 80 percent survival of container plants for years one and two
- At least 40 percent native cover the first year
- At least 60 percent native cover the second year



Progress memos will occur after each site visit, and Monitoring Memos will occur after quantitative monitoring events.

3.0 SCHEDULE

Amec Foster Wheeler is prepared to initiate the scope of services described above within five working days of receiving written authorization from Crescenta Valley Water District to proceed. This schedule may be affected by periods of inclement weather.

4.0 ESTIMATED COSTS

Our estimated costs are provided by task in Table 1 below. Total cost to perform Tasks No.1 would be **\$8,100.00**. Total cost to perform Task 2 would be **\$4,200.00**. Total cost to perform Task 3 would be **\$6,000.00**. Total cost to perform Task 4 would be **\$11,600.00**. Total cost to perform Task 5 would be **\$4,200.00**. Total cost to complete Tasks 1 through 5 would be **\$34,100.00**. Our services would be performed under our existing contract with CVWD for Pickens Canyon work. The work will be performed on a time-and-materials basis with a not-to-exceed amount of \$34,100. If it appears that costs may exceed this amount, we will notify CVWD as soon as possible and before the authorized amount is exceeded.

CLOSURE

We appreciate the opportunity to provide this scope and cost estimate. Please contact me at 949-574-7093 or Clayton Kraft at 619-723-5885 if you have questions or need more information regarding this scope and cost estimate.

Sincerely,
Amec Foster Wheeler Environment & Infrastructure, Inc.

A handwritten signature in black ink that reads "W. Greg Hamer". The signature is written in a cursive, flowing style.

W. Greg Hamer
Principal Hydrogeologist
Direct Tel: (949) 642-0245
E-mail: greg.hamer@amecfw.com



TABLE 1
Estimated Costs (By Task)

TASK NO.	TASK DESCRIPTION	COST(\$)
Task 1	Site Preparation	\$8,100.00
Task 2	Seeding and Planting	\$4,200.00
Task 3	Irrigation	\$6,000.00
Task 4	Maintenance	\$11,600.00
Task 5	Monitoring	\$4,200.00
TOTAL		\$34,100.00

CRESCENTA VALLEY WATER DISTRICT

STAFF REPORT

Information Item No. 5
October 12, 2017

To: Engineering Committee
From: Brook Yared, M.S., P.E. – Associate Engineer
Subject: Advertisement for Bids - Rehabilitation of Well 10, Project E-987

INFORMATION ITEM:

Advertisement for Bids - Well 10 Rehabilitation, Project E-987 – Consideration and motion for the General Manager to advertise for bids for the Rehabilitation of Well 10 including replacing the pump and motor assembly at an engineer's cost estimate of \$63,900.

BACKGROUND:

Well 10 was last rehabilitated and returned to service in April 2012. Since then, Well 10 has been operating on a 24/7 basis with flows averaging 45 gpm, significantly below the design point of 300 gpm established prior to the drought. Operations staff has been using a small flow control valve to maintain the water level in Well 10 in order to prevent cavitation. At the time of the last rehabilitation, staff did not employ any additional advanced well rehabilitation options as this was prior to the drought. Staff is confident that, if additional rehabilitation methods were employed, a significant increase in production from Well 10 can be achieved.

DISCUSSION:

Staff has a concern with the low capacity and pump efficiency of Well 10. The current pump and motor assembly was designed for pre-drought conditions and is currently too large to operate efficiency. In addition, Well 10 had a well liner installed in 2001 to repair a large sanding issue. At its current flow rate of 45 gpm, its production is 3.7% of the total daily groundwater production.

As part of the FY 17/18 CIP budget, staff has prepared a bid for the well rehabilitation and pump replacement at Well 10. The scope of work would include the addition of Sonar Jetting and change the pump from a vertical turbine to a submersible pump. Based on past experience, Sonar Jetting has increased capacity in similarly lined wells such as Well 12 and Well 8. Changing to a submersible pump would reduce the cost of future rehabilitation and eliminate the need for regular well lubrication maintenance.

Staff anticipates the contract to be awarded at the November Board Meeting. The pump would be ordered in early December and work will commence after receiving the new pump and motor. Staff anticipates the entire project to be completed by mid-February 2018. After staff completes a successful chlorination of the well, it is possible to have Well 10 back in service by the beginning of March 2018.

RECOMMENDATION:

Staff recommends that the Engineering Committee approve advertising for bids for the rehabilitation of Well 10 and for this item to be placed on the October 17, 2017 Board agenda.

FUNDING AVAILABILITY:

There are sufficient funds available in the following account for the project:

Account Description	Amount
FY 17/18 Water CIP– Water Supply – Well Rehabilitation	\$85,000
Engineer's Cost Estimate	<\$63,900>
Estimated Amount Remaining	\$21,100

Prepared by:

Brook Yared, M.S., P.E.
Associate Engineer

Submitted by:



David S. Gould, P.E.
District Engineer

CRESCENTA VALLEY WATER DISTRICT

STAFF REPORT

Information Item No. 6
October 12, 2017

To: Engineering Committee
From: David S. Gould, P.E. – District Engineer
Subject: Amendment No. 1 for Professional Service Agreement for ULARA Legal Services

INFORMATION ITEM:

1. **Professional Service Agreement for ULARA Legal Services** - Recommendation to amend the existing professional service agreement with Downey Brand Attorneys, LLP and the ULARA Watermaster for administration of ULARA Legal Services.

BACKGROUND:

In 2011, the Watermaster requested that the ULARA Administration Committee (AC) retain Special Legal Counsel for the Watermaster pertaining to legal matters relative to the *City of Los Angeles v. City of San Fernando, et al.*, Case No. C650079 ("San Fernando Judgment"). The firm of Downey Brand Attorneys, LLP was awarded a three-year contract for legal services, which expired on December 31, 2014.

In December 2014, the Watermaster and the AC's legal counsels agreed to retain the services of Downey Brand (DB) Attorneys, LLP for the next three (3) year period from January 1, 2015 to December 31, 2017. The AC also requested that CVWD continue administrating the professional services agreement (PSA) for the Watermaster's Special Counsel.

DISCUSSION:

The existing agreement is set to expire in December 31, 2017 and the AC requested that DB again be retained for another three-year period from January 1, 2018 to December 31, 2020. This will require an amendment to the existing agreement as shown on the attachment.

The budget approved by the AC for the legal services will be a not-to-exceed \$75,000 per year and the costs will be shared among the five (5) parties based on previous 3-year average pumping in the ULARA basins. The average cost per year has been about \$13,000/year.

All work will be performed on an as-needed basis at the specific request of the Watermaster. If at any time it becomes apparent that the budget may be exceeded, Special Counsel will promptly notify the ULARA Watermaster, before the existing annual budget is exceeded.

CVWD has been requested to continue administrating the contract and the Special Counsel will invoice the District on a monthly basis.

RECOMMENDATIONS:

It is staff's recommendation to approve amending the professional service agreement between the Watermaster, Downey Brand Attorneys, LLP, and CVWD.

FUNDING AVAILABILITY:

There will be no cost to the District for administrating the fund.

Prepared & Submitted by:



David S. Gould, P.E.
District Engineer

Attachment: Amendment No. 1 to the Professional Service Agreement

**FIRST AMENDMENT TO
PROFESSIONAL SERVICES AGREEMENT**

The Professional Services Agreement dated January 1, 2015, between Richard C. Slade, Upper Los Angeles River Area Watermaster (“ULARA Watermaster”), Downey Brand Attorneys LLP (“Attorneys”), and Crescenta Valley Water District (“CVWD”), is amended as follows:

1. Pursuant to section I of the Agreement, the term is extended for an additional three years, until December 31, 2020.
2. The first paragraph of Section IV(A) is amended to read: “Attorneys agree that they will bill for services provided to the ULARA Watermaster pursuant to this Agreement at the Attorneys’ most favorable rate charged to public agencies for similar services, at the hourly rate of \$430 per hour for Kevin O’Brien, and \$350 per hour for Meredith Nikkel.” The cap on fees shall remain at \$75,000 per year.
3. Except as modified by the foregoing, the Agreement shall remain in full force and effect.
4. This Amendment takes effect January 1, 2018.

IN WITNESS WHEREOF, the parties have executed this Amendment as of the date below.

Dated: _____

**ATTORNEYS:
DOWNEY BRAND ATTORNEYS LLP**

By: _____
Kevin M. O’Brien, Attorney at Law

ULARA WATERMASTER

By: _____
Richard C. Slade, ULARA Watermaster

CRESCENTA VALLEY WATER DISTRICT

By: _____
Thomas A. Love, General Manager