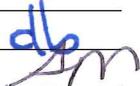


EVERETT CITY COUNCIL AGENDA ITEM COVER SHEET

PROJECT TITLE:

Water Filtration Plant	_____	Briefing	COUNCIL BILL #	_____
Programmed Logic Controllers	_____	Proposed Action	Originating Department	Public Works
Replacement Project Change	_____	Consent	Contact Person	Mike Robinson
Order No. 1 with Seahurst	X	Action	Phone Number	(425) 257-8884
Electric, Inc.	_____	First Reading	FOR AGENDA OF	October 26, 2016
	_____	Second Reading		
	_____	Third Reading		
	_____	Public Hearing		
	_____	Budget Advisory	Initialed by:	
			Department Head	_____
			CAA	
			Council President	_____

<u>Location</u>	<u>Preceding Action</u>	<u>Attachments</u>	<u>Department(s) Approval</u>
6133 Lake Chaplain Road, Sultan WA	11/19/14 Award	Change Order No. 1	Public Works`

Amount Budgeted	\$1,418,189.59	
Expenditure Required	\$299,512.32	Account Number(s): UP 3361
Budget Remaining	\$299,512.32	
Additional Required	-0-	

DETAILED SUMMARY STATEMENT:

The Water Filtration Plant Programmed Logic Controllers (PLC) Replacement Project includes replacing a PLC system that is beyond service life and no longer supported in the industry.

Change Order No. 1 adds five new bid items to the contract as described in pages 3 & 4 of this change order. These bid items are for changes in the following areas: emergency power back up, programming services, additional labor, additional facility and equipment rental, and contract suspension overhead.

520 cumulative days are added to the contract with Change Order No. 1.

A breakdown of the contract amount is as follows:

Original Contract Amount	\$1,118,677.27
Change Order #1	\$299,512.32
Revised Contract Amount	\$1,418,189.59

RECOMMENDATION (Exact action requested of Council):

Authorize the Mayor to sign Change Order No.1 with Seahurst Electric, Inc. for the Water Filtration Plant Programmed Logic Controllers Replacement Project in the additional amount of \$299,512.32 including Washington State sales tax.

**CITY OF EVERETT
Change Order**

Project Title Water Filtration Plant Programmed Logic Controllers
Replacement Project

Department Public Works

Work Order No. UP 3361

Contractor: Seahurst Electric, Inc.

Contract Award Date: December 8, 2014

City Staff Contact: Mike Robinson

Change Order No. 1

*Change Order
Effective Date* November 14, 2016

CONTRACT PRICE (Inclusive of Washington State Sales Tax)

Original contract price	\$1,118,677.27
Cumulative Amount of prior change orders	\$0.00
Total Contract Price including prior change orders	\$1,118,677.27
Amount of this Change Order	\$299,512.32
Total Contract Price including this Change Order	\$ 1,418,189.59

CONTRACT TIME

Original Contract Duration	270 days
Cumulative adjustment to duration by <i>prior</i> change orders	0
Adjustment to duration by <i>this</i> change order	520 days
New contract duration by <i>this</i> Change Order	790 days

Contractor and City agree as follows:

1. The scope of Work shall be changed to the extent described in Exhibit A.
2. With the exception of Washington State sales tax, the amount of the change order for the changes described in Exhibit A, represents complete compensation for the changes described in Exhibit A, including all direct and indirect costs and impacts. The contract price shall be adjusted as described in this Change Order.
3. Everett Municipal Code 3.80.050 sets forth the threshold amounts below which the Mayor or his designee is authorized to direct Contractor to perform additional work. In calculating such threshold amounts, Washington State sales tax, if applicable to the Work, has been considered.
4. The duration of the Contract shall be adjusted to the extent described in this Change Order.
5. Contractor waives and releases any and all claims arising out of, or related to, this Change Order, the work described in Exhibit A, and all work and actual or constructive changes that occurred or began prior to the date of this Change Order, including, but not limited to, claims for equitable adjustment of time and compensation, delay, impact, overhead, or inefficiencies. This provision does not apply to requests for equitable adjustment of time or price for which the Contractor timely and properly provided notice of a differing site condition, protest, dispute, claim or Contract Claim as required by the Contract Documents. If the Contract Documents establish a time period for notice of a differing site condition, protest, dispute, claim, or Contract Claim that ends after the date of this Change Order, but relates to work performed prior to the date of this Change Order, then this provision does not apply if the Contractor timely and properly submits such notice
6. This Change Order only changes the contract between Contractor and City to the extent explicitly provided herein.
7. When substantial competition is established the contractor may request the use of the Eichleay Formula for calculating Extended or Unabsorbed Home Office Overhead per section 12.4.3.5 of the contract. The contractor therefore reserves its right to applicable Home Office Overhead and final Bond Costs adjustment.

Project: Water Filtration Plant Programmed Logic
 Controllers Replacement Project
 Change Order No. 1
 Change Order Effective Date: November 14, 2016

CITY			
	Attest:		Approved As to Form:
_____ Mayor Date: _____	_____ City Clerk Date: _____	_____ City Attorney Date: _____	
Recommended By:			
	Project Engineer (if applicable)	Engineering Manager (if applicable)	Department Director
_____ Construction Manager (if applicable) Date: _____	_____ Date: _____	_____ Date: 10/12/16	_____ Date: 10/17/16
CONTRACTOR			
By _____ Officer		Date: 10/16/16	

Exhibit A—Description of Changed Work

Change Order #1 adds five (5) each new items to the Contract as follows:

- New item #021 – **Additional Uninterruptible Power Supply Capacity**, in the lump sum amount of \$37,714.39.
- New item #022 – **Programming Services**, in the lump sum amount of \$43,059.00
- New item #023 – **Additional Labor Cost Impacts**, in the lump sum amount of \$159,563.81.
- New item #024 – **Additional Rental of Temporary Facilities and Equipment**, in the lump amount of \$34,340.85.

Project: Water Filtration Plant Programmed Logic
Controllers Replacement Project
Change Order No. 1
Change Order Effective Date: November 14, 2016

New item #025 – **Suspension Overhead Costs**, in the lump sum amount of \$24,834.27.

The total increase cost to the contract as a result of adding the above five (5) new items comes to \$299,512.32.

JUSTIFICATION:

Item #021 – Additional Uninterruptible Power Supply Capacity. Operational testing of existing UPS system proved inadequate to support PLC operations during utility power loss events. Additional UPS capacity is required to provide a minimum of two hours PLC run time.

Item #022 – Programming Services. This change request is that the City of Everett Utilities Department Water Filtration Plant staff will have the ability to monitor network communication health for all PLCs, VFDs, and Ethernet Switch status. Cost also includes configuring Ethernet topology from a backbone interface system to a ring topology for increased system reliability.

Item #023 – Additional Labor Cost Impacts. Additional 1,065 hours of labor cost for unanticipated electrical engineering field changes performed by the contractor to mitigate negative impacts to Plant operations.

Item #024 – Additional Rental of Temporary Facilities and Equipment. The additional costs are a result in the project requiring an additional 520 day to complete. Project delays were due to extra time required to minimize project impact on Plant operations. The delay includes two project shutdowns for a total of 255 days when demand for water production prevented project work to be performed.

Item #025 - Suspension Overhead Costs. The additional costs are a result in the project requiring an additional 520 day to complete. Contract section 12.4.3.1.1 provides compensation to the contractor in the event of contract suspension for issues not related to contractor performance. This cost includes additional insurance and bonding.

CONTRACT TIME:

By this Change Order #1 the new agreed date for Completion of the work on the Water Filtration Plant Programmed Logic Controllers Replacement Project will be April 15th, 2017.