

## Proposal for Services

<b>TO:</b>	City of Fernley	<b>DATE:</b>	June 2, 2020
<b>ATTN:</b>	Nate McIntyre, Dave Whalen	<b>PROPOSAL #:</b>	PR-1584 Rev1
<b>PHONE:</b>	775-784-9929	<b>FROM:</b>	Patrick Brezine
<b>EMAIL:</b>	<a href="mailto:DWhalen@cityoffernley.org">DWhalen@cityoffernley.org</a>	<b>EMAIL:</b>	Pbrezine@verusaec.com
<b>PROJECT:</b>	Wastewater SCADA HMI Upgrade		

### Scope of Work

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The scope of work is to upgrade the City of Fernley's current SCADA HMI system at the Wastewater facility. The project will include installation of software to the latest version and to provide new computer hardware to accommodate the new system.

### Proposed Services

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#### 1. HMI Upgrade

##### a. Purchase New Computer Equipment

Verus will purchase (2) new machines to allow The City recover from a workstation failure in a timely manner.

##### b. Configure HMI Environment

2. Verus will purchase the licensing and install per manufacturers recommendations for the latest version of the software on a single workstation. Existing HMI will be upgraded on each workstation to allow a fast recovery time on failure of the workstation in use. Febooti software will be installed and setup for alarming and Verus will install and setup TeamViewer per the recommendations of The City of Fernley using the license that is owned by The City.

#### 3. Commissioning

##### a. Cutover to New System

Verus will perform the cutover from the existing installation to the updated system. Verus will work with The City to define the schedule for the cutover and to identify resources necessary for the cutover.

Cutover will include bringing the new system online in parallel with the old system (wherever possible) and using the old system to validate information in the new system. Point-by-point validation of data to the source instrument is specifically excluded – only a comparison with the existing display will be used to validate data.

##### b. Decommission Old System

Verus will decommission the current HMI system and work with The City to turn down existing computing environments.

#### 4. CradlePoint - Point of Access

##### a. Purchase and Setup

Firewall programming and installation of the point of access to allow higher level of security, in conjunction with TeamViewer. The installation will include assistance on the setup for the clients (users phones or laptops).

## Deliverables

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- New Workstations (2) including (1) new monitors and accessories
- New HMI Software Licensing
- Cradlepoint Firewall/Router
- Connection Instruction Sheet

## Conditions/Exclusions

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- City of Fernley will provide TeamViewer license to Verus to be moved from the existing PC under this contract.
- Existing Wonderware programming will be transferred to new workstations
- Only 1 Wonderware licenses will be purchased. The “failover” workstation will have to loaded with the license on workstation use.
- TeamViewer will be setup with the same settings that currently exist.
- Firewall / Router includes a 5-year subscription and it is up to the City to maintain the subscription after the 5 years is up. Estimated cost is approximately \$200 per year.

## Budget

Item	Description	Labor	QTY	Total USD\$	Taxable
1	Engineering / Programming & Commissioning	\$ 4,576	1	\$ 4,576	No
2	Hardware / Software	\$ 8,338	1	\$ 8,338	No
	SUB-TOTAL	\$12,914		\$ 12,914	
	Sales Tax	Exempt		\$ -	
	<b>PROJECT TOTAL</b>			<b>\$12,914</b>	

## Commercial Basis

This proposal forms the sole basis for the work to be performed and supersedes all other proposals whether written or verbal.

TERMS AND CONDITIONS:	Available online at <a href="http://www.verusaec.com/terms">www.verusaec.com/terms</a>
START DATE:	Work can begin upon receipt of purchase order.
TAX BASIS:	Excluded
TERMS OF PAYMENT:	Net 15
PROPOSAL VALID FOR:	30 Days
PROPOSAL BUDGET:	Based on receiving entire scope. Changes in scope will impact pricing.
CURRENCY:	United States Dollars (USD)
FREIGHT BASIS:	Not Applicable at this time
TRAVEL BASIS:	Expected travel time and expenses are included for this proposal.

## ACCEPTANCE OF PROPOSAL

The prices, specifications, and conditions shown in the above proposal are accepted. Verus is authorized to start and complete the work specified. Payments will be made as outlined. Work will be scheduled upon receipt and acceptance by Verus. Upon acceptance this proposal becomes a contract.

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Name

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Signature

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Date