



**ADDENDUM NO. 8
TO THE
CONTRACT DOCUMENTS
FOR
BRACKISH WATER DESALINATION PROJECT
P.W. 694**

**ISSUED
November 30, 2020**

Bidders shall acknowledge receipt of this Addendum and all other Addenda issued by the City in Article II of the Bid Form, Section 00400. A Bid may be deemed non-responsive if receipt of all Addenda issued by the City are not acknowledged.

SEE ATTACHED ADDENDUM ITEMS

Approved By: _____

Scott Buenting, P.E.



ADDENDUM NO. 8
Brackish Water Desalination Project
PW 694

Issued November 30, 2020

1. Appendix F, Scope of Services and Supply for SCADA Software Provided by Wonderware:
 - a. Replace Appendix F with the attached updated information.



City of Antioch SCADA System Materials and Services

Brought to you by



Revision 1.0.1

Publish Date: 8/19/2020

Wonderware California

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	Document Type		
	<h1>SCADA System Document</h1>		
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1 Introduction

This document describes the Materials and Services to be provided by Wonderware California for the City of Antioch Wonderware SCADA System.

1.1 Revision Control



Table 1 -- Revision Control

Revision	Description	Changes Made By	Date
1.0.0	Initial Release	Ivan Perez	7/24/2020
1.0.1	Revision 1	Ivan Perez	8/19/2020

2 Summary of Materials and Services to be provided by Wonderware California

2.1 Wonderware California will provide the following Materials and Services:



- Provide required documentation and submittal information to the Contractor. This includes modifications to this Wonderware California City of Antioch SCADA System Materials and Services document noted below and applicable Operations and Maintenance Manual information for the supplied Software and Hardware as noted in Section 5.
- Will assist the Contractor with their requirement to submit revised versions of this Wonderware California City of Antioch SCADA System Materials and Services document and the associated Quotation 230911 for review and approval. This early Contract submittal requirement will be requested by the Contractor to Wonderware California within 60 days of Contractor NTP (Notice to Proceed). Wonderware California will supply the revised versions of this Wonderware California City of Antioch SCADA System Materials and Services document and the associated Quotation 230911 to the Contractor within 10 business days after request from the Contractor. This submittal following NTP will be considered final and include any adjustments to this preliminary Wonderware California City of Antioch SCADA System Materials and Services document and the associated Quotation 230911.

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- Provide scheduling assistance to the Contractor. Wonderware California will coordinate and assist the Contractor with the creation of a detailed timeline and steps for implementing Wonderware California's portion of the associated SCADA system tasks as based on this City of Antioch SCADA System Materials and Services document.
- Provide SCADA Server & Workstation Hardware and Software Licensing as specified in Section 6 on this document.
- Configure the Computer Names and NIC IP Addresses on the SCADA Servers and Workstations specified in Section 3 on this document
- Install Software and Licenses on SCADA Server & Workstation Hardware as specified in Section 3 on this document.
- Install the Galaxy Repository and Development Virtual Machine on the Primary SCADA Server as specified in Section 3.3 on this document.
- Configure the RMC Network on the Primary & Secondary SCADA Servers as specified in Section 4.2 on this document.

2.2 Wonderware California will Not Provide the following:

- Any Materials or Services not defined above in Section 2.1 of this document.
- All work detailed as to be provided by the ICSC (Instrumentation Controls Subcontractor) per the Contract Specification
- SCADA System Development, Configuration, Testing & Commissioning. Including but not limited to importing/upgrading of the existing City of Antioch Wonderware application, creation of any new database points and graphics, creation of any reports, any factory or field testing, any on-site start-up or commissioning.
- Defining Server & Workstation Computer names and Network IP Addresses
- As noted in Section 5 of this document, Wonderware California will provide all documentation (both paper and electronic) that was supplied by the Original Equipment Manufacturers as it was received and will not be responsible for the creation of a formal Operations and Maintenance Manual submittal of this information.

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3 SCADA Server & Workstation Software and Associated Services to be provided by Wonderware California

All SCADA Servers and Workstations will have the Windows 10 Pro Operating System installed. All SCADA Servers & Workstations will be configured with RAID1 Hard Drive Mirroring for redundancy in the event of a hard drive failure.

The following is a breakdown of all Software and associated Services that will be provided by Wonderware California for the SCADA Servers & Workstations:

3.1 Microsoft Licensing and Antivirus

#	Item	Description	Quantity
1	021-10609	Microsoft Office Standard 2019 - license - 1 PC	4
2	HZV-00054	Windows 10 Pro for Workstations - license - 1 license	1
3	Antivirus Trend Micro	Trend Micro Worry-Free Business Security Standard - license + 1 Year Mainte	10



3.2 Primary SCADA Server

Primary Automation Object Server (AOS), MODBUS OI Server, TopView Alarm Notification, Supervisory Client with Historian Client, Historian, Microsoft Office 2019 32 Bit, Dream Report & Dream Report Web Portal, Trend Micro, and their required software prerequisites will be installed.

Hyper-V Role will be enabled to host a single Virtual machine with the Galaxy Repository, IDE & Development capability

Software & Licenses to be installed

- Supervisory Client with Historian Client (DEVSTD-04-U-20)
- Modbus OI Server
- Primary Historian 5K Tags (SYSPLT-06-N-20)
- Primary TopView Alarm Dialer (TV-WW-RESTR-UNL-B, TV-EXTENDED-SUPPORT) Only one Redundant Version required for both Servers
- Dream Report 250 Tags and 2 Web Clients (DR-250-50, DR-WEB-2-50, CF-DR)
- AVEVA License Manager
- Microsoft Office 32bit
- Trend Micro
- Hyper-V Role Enable

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3.3 Galaxy Repository & Development Virtual Machine (Hosted on Primary SCADA Server)

Galaxy Repository & Development Server will be located on a Hyper-V Virtual Machine Hosted on Primary SCADA Server. Galaxy Repository, IDE, Development Studio, Trend Micro, and their required software prerequisites will be installed.

Software & Licenses to be installed



- AVEVA Development Studio (DEVSTD-04-U-20)
- Application Server Development
- Application Server Galaxy Repository
- Trend Micro
- AVEVA License Manager

3.4 Secondary SCADA Server

Backup Automation Object Server (AOS), MODBUS OI Server. Supervisory Client with Historian Client, Redundant Historian, Microsoft Office 2019 32 Bit, Trend Micro, and their required software prerequisites will be installed.

Software & Licenses to be installed

- AVEVA Supervisory Client with Historian Client (SUPCLT-03-N-20)
- Modbus OI Server
- Secondary Historian (HSTSTD-21-N-20)
- Secondary TopView Alarm Dialer (TV-WW-RESTR-UNL-B, TV-EXTENDED-SUPPORT) Only one Redundant Version required for both Servers
- AVEVA License Manager
- Trend Micro
- Microsoft Office 32bit

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3.5 Plant B Filter Gallery Workstation

Supervisory Client with Historian Client, Trend Micro, Microsoft Office 2019 32 Bit, and their required software prerequisites will be installed.

Software & Licenses to be installed

- AVEVA Supervisory Client with Historian Client (SUPCLT-03-N-20)
- Microsoft Office 32bit
- Trend Micro

3.6 Brackish Water Control Room Workstation

Supervisory Client with Historian Client, Trend Micro, Microsoft Office 2019 32 Bit and their required software prerequisites will be installed.

Software & Licenses

- AVEVA Supervisory Client with Historian Client (SUPCLT-03-N-20)
- Microsoft Office 32bit
- Trend Micro

4 Site Networking

4.1 Networks



Provisions will need to be made to connect networks to each of the Workstations. The Redundancy Message Channel (RMC) network will need to be a separate dedicated network.

4.2 Network Connections

- Networks Included:
 - SCADA Network
 - WW RMC Network

4.3 SCADA Network

This network will be used for the control system machines that will communicate with the PLCs on the PLC Network. Note, Wonderware California will work with the Contractor and the City of Antioch's representative to determine applicable Network IP addressing.

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4.4 RMC Network

The Redundancy Message Channel (RMC) Network is dedicated for redundancy monitoring and data synchronization between the redundant Automation Object Server (AOS) partners running on the Primary and Secondary SCADA Servers. Note, Wonderware California will work with the Contractor and the City of Antioch's representative to determine applicable Network IP addressing.

4.5 Network Allocation

Control system machines will have Ethernet network connections to the following networks.

Computer Name	SCADA-Network	RMC-Network
Primary SCADA Server	X	X
Secondary SCADA Server	X	X
Workstation#1	X	
Workstation#2	X	
Alarm Dialer	X	

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5 Documentation Wonderware California will provide:

- Applicable Operations and Maintenance Manual documentation for the supplied Software and Hardware. This will include all documentation (both paper and electronic) that was supplied by the Original Equipment Manufacturers to Wonderware California. Note, Wonderware California will only be supplying to the Contractor the documentation as it was received and will not be responsible for the creation of a formal Operations and Maintenance Manual submittal of this information.
- Quality Assurance Documentation. Document to outline what was installed on the SCADA Servers and workstations and the passwords that were used

6 SCADA Server & Workstation Hardware, Alarm Dialer and Associated Services to be provided by Wonderware California



6.1 Hardware

This System is comprised of two SCADA Servers (Primary and Secondary SCADA Servers) and two workstations (Plant B Filter and Blackish Water Control Room Workstations). The Primary SCADA Server and Secondary SCADA Server will be Dell Precision 5820 Towers with Latest Processor 12C, 3.5GHz, and 64GB RAM, 1TB SSD storage with RAID with a secondary 1TB SSD storage with RAID 1.

The Plant B Filter and Blackish Water Control Room Workstations will be Dell Precision 5820 Towers with Latest Processor 4C, 4.1GHz, and 32GB RAM, 1TB SSD storage with RAID 1



The Alarm Dialer will be a Grandstream UCM6202 IP PBX-2 port that can be utilized by either Primary or Secondary Servers.

#	Item	Description	Quantity
1	Servers & Workstations	Precision 5820 Tower	4
2	Monitors	Dell Ultra Sharp 32 4K USB-C Monitor - U3219Q	4
3	Speakers	Dell Stereo Sound bar – AC511M	4
4	Alarm Dialer	Grandstream UCM6202 IP PBX- 2 port (Utilized by either Server)	1

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6.2 Primary SCADA Server

#	Module	Description	Product Code
1	Precision 5820 Tower	Precision 5820 Tower XCTO Base	T5820X
2	Processor	Intel Xeon Processor W-2265 (12C, 3.5GHz 4.8GHz Turbo HT 19.25MB (165W) DDR4-2933)	GMPT2X9
3	Operating System	Windows 10 Pro for Workstation (4 Cores Plus) Multi - English, French, Spanish	10P6T2M
4	Chassis Options	Precision 5820 Tower 425W Chassis CL	GMWE3G2
5	Video Card	NVIDIA® Quadro® P1000, 4GB, 4 mDP (5820T)	P1000
6	Memory	64GB 4x16GB DDR4 2666MHz RDIMM ECC Memory	64G416
7	Hard Drive Controllers	MegaRAID SAS 9440-8i 12Gb/s PCIe SATA/SAS controller - SW RAID 0, 1,5,10	CTL9440
8	Operating System (Boot) Drive	SATA/SAS Hard Drive/Solid State Drive - RAID Volume	RAIDSA
9	Hard Drive	2.5" 1TB SATA Class 20 Solid State Drive	GKL9BXN
10	2nd Hard Drive	2.5" 1TB SATA Class 20 Solid State Drive	GKL9BXN
11	Keyboard	Dell KB216 Wired Keyboard English Black	US216B
12	Slimline Bay Options	8X DVD+/-RW Slimline	8XDVDRW
13	RAID for HDD/SSD & Front PCIe NVMe SSDs	RAID 1	RAID1
14	Dell Ultra-Speed Drives (PCIe SSDs)	Dell Ultra-Speed Drive Quad PCIe SSD x16 card 2 M.2 1TB PCIe NVMe Class 40 Solid State Drive	1TBC4P2
15	RAID Configurations for Dell Ultra-Speed Drives	Raid 1	RAID1Z
16	Operating System Recovery Options	Windows 10 Pro for Workstations OS Recovery Media 64bit - USB	GDI4TFO
17	Network Cards	1Gbit NIC add-in card (PCIe- Intel)	1GNTWK
18	Systems Management	Intel® vPro Technology Enabled	VPRO
19	Power Cords	US 125V Power Cord	USPWR
20	Mouse	Dell Wireless Mouse-WM126 - Black	GCIA8Y9
21	Documentation/Disks	Safety/Environment and Regulatory Guide (English/French Multi-language)	EFDOC
22	Optical Software	CMS Essentials DVD with Media	CW8DM
23	Hardware Support Services	3 Years ProSupport Plus with Next Business Day Onsite Service	PPN3

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6.3 Secondary SCADA Server

#	Module	Description	Product Code
1	Precision 5820 Tower	Precision 5820 Tower XCTO Base	T5820X
2	Processor	Intel Xeon Processor W-2265 (12C, 3.5GHz 4.8GHz Turbo HT 19.25MB (165W) DDR4-2933)	GMPT2X9
3	Operating System	Windows 10 Pro for Workstation (4 Cores Plus) Multi - English, French, Spanish	10P6T2M
4	Chassis Options	Precision 5820 Tower 425W Chassis CL	GMWE3G2
5	Video Card	NVIDIA® Quadro® P1000, 4GB, 4 mDP (5820T)	P1000
6	Memory	64GB 4x16GB DDR4 2666MHz RDIMM ECC Memory	64G416
7	Hard Drive Controllers	MegaRAID SAS 9440-8i 12Gb/s PCIe SATA/SAS controller - SW RAID 0, 1,5,10	CTL9440
8	Operating System (Boot) Drive	SATA/SAS Hard Drive/Solid State Drive - RAID Volume	RAIDSA
9	Hard Drive	2.5" 1TB SATA Class 20 Solid State Drive	GKL9BXN
10	2nd Hard Drive	2.5" 1TB SATA Class 20 Solid State Drive	GKL9BXN
11	Keyboard	Dell KB216 Wired Keyboard English Black	US216B
12	Slimline Bay Options	8X DVD+/-RW Slimline	8XDVDRW
13	RAID for HDD/SSD & Front PCIe NVMe SSDs	RAID 1	RAID1
14	Dell Ultra-Speed Drives (PCIe SSDs)	Dell Ultra-Speed Drive Quad PCIe SSD x16 card 2 M.2 1TB PCIe NVMe Class 40 Solid State Drive	1TBC4P2
15	RAID Configurations for Dell Ultra-Speed Drives	Raid 1	RAID1Z
16	Operating System Recovery Options	Windows 10 Pro for Workstations OS Recovery Media 64bit - USB	GDI4TFO
17	Network Cards	1Gbit NIC add-in card (PCIe- Intel)	1GNTWK
18	Systems Management	Intel® vPro Technology Enabled	VPRO
19	Power Cords	US 125V Power Cord	USPWR
20	Mouse	Dell Wireless Mouse-WM126 - Black	GCI8Y9
21	Documentation/Disks	Safety/Environment and Regulatory Guide (English/French Multi-language)	EFD0C
22	Optical Software	CMS Essentials DVD with Media	CW8DM
23	Hardware Support Services	3 Years ProSupport Plus with Next Business Day Onsite Service	PPN3

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6.4 Plant B Filter Gallery Workstation

#	Module	Description	Product Code
1	Precision 5820 Tower	Precision 5820 Tower XCTO Base	T5820X
2	Processor	Intel Xeon Processor W-2225 (4C, 4.1GHz 4.6GHz Turbo HT 8.25MB (105W) DDR4-2933)	G6TWAU0
3	Operating System	Windows 10 Pro for Workstation (up to 4 Cores) Multi - English, French, Spanish	10P6T1M
4	Chassis Options	Precision 5820 Tower 425W Chassis CL	GMWE3G2
5	Video Card	NVIDIA® Quadro® P1000, 4GB, 4 mDP (5820T)	P1000
6	Memory	32GB 2x16GB DDR4 2933MHz RDIMM ECC Memory	GCA0Y57
7	Hard Drive Controllers	MegaRAID SAS 9440-8i 12Gb/s PCIe SATA/SAS controller - SW RAID 0, 1,5,10	CTL9440
8	Operating System (Boot) Drive	SATA/SAS Hard Drive/Solid State Drive - RAID Volume	RAIDSA
9	Hard Drive	2.5" 1TB SATA Class 20 Solid State Drive	GKL9BXN
10	2nd Hard Drive	2.5" 1TB SATA Class 20 Solid State Drive	GKL9BXN
11	Keyboard	Dell KB216 Wired Keyboard English Black	US216B
12	Slimline Bay Options	8X DVD+/-RW Slimline	8XDVDRW
13	RAID for HDD/SSD & Front PCIe NVMe SSDs	RAID 1	RAID1
14	Operating System Recovery Options	Windows 10 Pro for Workstations OS Recovery Media 64bit - USB	GDI4TFO
15	Systems Management	Intel® vPro Technology Enabled	VPRO
16	Storage Volume	Boot drive or boot volume is greater than 2 TB (select when 3TB/4TB HDD is ordered)	GPT3TB
17	Power Cords	US 125V Power Cord	USPWR
18	Mouse	Dell Wireless Mouse-WM126 - Black	
19	Documentation/Disks	Safety/Environment and Regulatory Guide (English/French Multi-language)	EFD0C
20	Optical Software	CMS Essentials DVD with Media	CW8DM
21	Hardware Support Services	3 Years ProSupport Plus with Next Business Day Onsite Service	PPN3

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6.5 Brackish Water Control Room Workstation

#	Module	Description	Product Code
1	Precision 5820 Tower	Precision 5820 Tower XCTO Base	T5820X
2	Processor	Intel Xeon Processor W-2225 (4C, 4.1GHz 4.6GHz Turbo HT 8.25MB (105W) DDR4-2933)	G6TWAU0
3	Operating System	Windows 10 Pro for Workstation (up to 4 Cores) Multi - English, French, Spanish	10P6T1M
4	Chassis Options	Precision 5820 Tower 425W Chassis CL	GMWE3G2
5	Video Card	NVIDIA® Quadro® P1000, 4GB, 4 mDP (5820T)	P1000
6	Memory	32GB 2x16GB DDR4 2933MHz RDIMM ECC Memory	GCA0Y57
7	Hard Drive Controllers	MegaRAID SAS 9440-8i 12Gb/s PCIe SATA/SAS controller - SW RAID 0, 1,5,10	CTL9440
8	Operating System (Boot) Drive	SATA/SAS Hard Drive/Solid State Drive - RAID Volume	RAIDSA
9	Hard Drive	2.5" 1TB SATA Class 20 Solid State Drive	GKL9BXN
10	2nd Hard Drive	2.5" 1TB SATA Class 20 Solid State Drive	GKL9BXN
11	Keyboard	Dell KB216 Wired Keyboard English Black	US216B
12	Slimline Bay Options	8X DVD+/-RW Slimline	8XDVDRW
13	RAID for HDD/SSD & Front PCIe NVMe SSDs	RAID 1	RAID1
14	Operating System Recovery Options	Windows 10 Pro for Workstations OS Recovery Media 64bit - USB	GDI4TFO
15	Systems Management	Intel® vPro Technology Enabled	VPRO
16	Storage Volume	Boot drive or boot volume is greater than 2 TB (select when 3TB/4TB HDD is ordered)	GPT3TB
17	Power Cords	US 125V Power Cord	USPWR
18	Mouse	Dell Wireless Mouse-WM126 - Black	
19	Documentation/Disks	Safety/Environment and Regulatory Guide (English/French Multi-language)	EFD0C
20	Optical Software	CMS Essentials DVD with Media	CW8DM
21	Hardware Support Services	3 Years ProSupport Plus with Next Business Day Onsite Service	PPN3

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6.6 Monitors


Item	Description
Dell Ultra Sharp 32 4K USB-C Monitor - U3219Q	Dell UltraSharp 32 4K USB-C Monitor - U3219Q
Hardware Support Services	3 Years Advanced Exchange Service

6.7 Speakers

Item	Description	Product Code
Dell Stereo Sound bar – AC511M	Dell Stereo Sound bar – AC511M	UP3218K

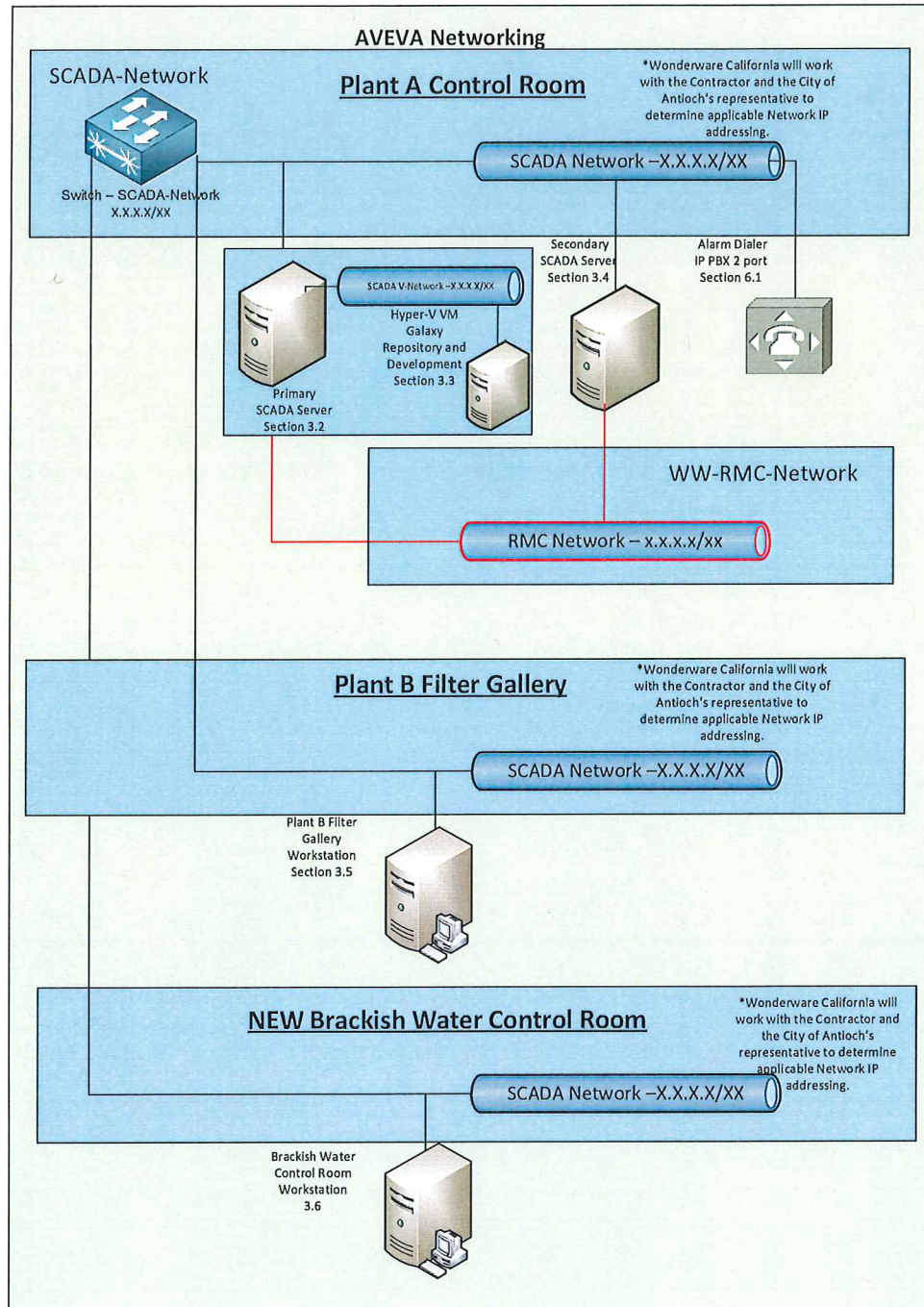
6.8 Alarm Dialer



Item	Description	Product Code
Grandstream UCM6202 IP PBX- 2 port	Grandstream UCM6202 IP PBX- 2 port	UCM6202

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7 Architecture Diagrams

7.1 System - Wonderware Networking



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8 Statement of Work: Terms & Conditions

- Wonderware California normal configuration time frame is 4-6 weeks on most single-site projects. This timeframe begins once all hardware is received in house. Dates and resources are committed upon completion of the project kickoff meeting between the Wonderware California Project Coordinator and the Contractor.
- All work will be done in a single-phase contiguous manner between the days of Monday– Friday and the hours of 8am and 5pm local time.
- Cancellation or return requests on licensed software and Hardware are reviewed on a case-by-case basis. There is no guarantee licensed software or Hardware can be cancelled. If the software Hardware cannot be cancelled, the Contractor understands they are responsible for the full purchase price.
- The AVEVA Customer First Support Agreement starts at time of the license purchase. In order to align the start of the support contract as close as possible to the Site Acceptance Test, the Contractor should use their System Integrator Development License during the development phase of the project, and should purchase and install the End User licenses as close to the Site Acceptance Test as possible.



AVEVA Distributor

126 Mill Street
Healdsburg, CA 95448
(866) WONDER N
(866) 966-3376

QUOTE

230911.9

ANTIOC

System Platform SCADA Upgrade

08/12/2020

Direct Opp
Revising

Ship To: CITY OF ANTIOCH
200 H ST.
PUBLIC WORKS DEPARTMENT
ANTIOCH, CA 94509

Attn: Tim Coley
City of Antioch
direct (925) 779-7028
main (925) 779-7050
fax

Bill To: City of Antioch
3rd & H Streets,
P.O. Box 5007
Antioch, CA 94509

From: Dylan Bree
dylan.bree@california.wonderware.com
direct (707) 473-3107
main (866) 966-3376
fax (707) 473-3190

Thank you for the opportunity to offer you this quote!

SiteID: 105996, City of Antioch, Water Treatment Pl, City Hall, Third and H Street, Antioch California 94531

*Special pricing has been approved under the Modernization program. This pricing is available for a limited time only. Pricing reflects that upgrades are discounted along with purchase of two years of Customer First Support. Note that Customer First Support has also been discounted to reflect renewal volume discount. If you will not be purchasing support, please contact Wonderware California for an updated quote that reflects revised version upgrade pricing.

Please note: A completed configuration sheet must be returned to Wonderware California, an AVEVA Distributor before parts can be ordered and work can be performed.

**Special Payment Terms apply to this order. By agreeing to these terms, you agree to pay all invoices 30 days from the date of invoice and you recognize that some invoices represent progress payment that will be issued prior to delivery of goods or services. Failure to pay invoices with terms could result in project delays.

Included with Wonderware Premium Customer First Program are the following services:

- Emergency 24/7/365 Technical Telephone Support
- Wonderware Direct Technical Support: Access to technical resources at both the local distributor and directly from Wonderware
- No Charge for Version Upgrades (*Please note that no charge version upgrades are only available while the CF contract is valid)
- Access to the Wonderware Global Customer Support Website Access: Search for answers to your questions and log and track cases
- Customer Support Shipments Including New Releases of Software, maintenance releases, Service Packs, and Patches, updates and hotfixes
- Online Training Webinars: Access to library of eLearning webinars
- Support Usage and Summary Reports: Automatically receive a monthly summary of all of your support activity
- Software Asset Manager

Please note: Customer first support contracts START from the date of license issue and are due for renewal two (2) year after date of contract inception. Support is calculated based on the list price of all licenses at the site.

Interested in additional training? Please visit our website and view our events schedule at www.california.wonderware.com.

Access the status of your order on our Online Order Status system!! Just click on the link contained in your order confirmation to begin the login process. Once signed up you can access via www.california.wonderware.com.

PO Number:

Duration: This quote is valid for 30 days. **FOB:** Healdsburg, CA

Freight: Prepaid and Add

Terms:

Pages: 1 of 9

Remit to: E&M. Inc. 126 Mill Street, Healdsburg, CA 95448

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(866) WONDER N
(866) 966-3376

QUOTE 230911.9

System Platform SCADA Upgrade

08/12/2020

ANTIOC

Direct Opp
Revising

Ship To: CITY OF ANTIOCH
200 H ST.
PUBLIC WORKS DEPARTMENT
ANTIOCH, CA 94509

Attn: Tim Coley
City of Antioch
direct (925) 779-7028
main (925) 779-7050
fax

Bill To: City of Antioch
3rd & H Streets,
P.O. Box 5007
Antioch, CA 94509

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Primary SCADA Server

Host SCADA Software/Licenses:
Supervisory Client w/Historian Client
AOS/OI Server #1
Historian Server #1
Dream Report w/Dream Report Web Portal

Hyper-V Virtual Machine SCADA Software/Licenses:
Galaxy Repository/IDE
Development Studio w/Historian Client

Quantity	Part Number/Description	Availability*	Tax	Price	Extension
1	SYSPLT-06-N-20	1 Estimated 1-2 Weeks	N	\$22,285.00	\$22,285.00
Line:1	Trade In Lic# 910184 AVEVA System Platform 2020, 5K IO/5K History - Application Server 5K IO, Historian Standard 5K Tag, 2 Communication Drivers St			Price Reflects Trade-In-Credit of \$4,575.00	
1	SUPCLT-03-N-20	1 Estimated 1-2 Weeks	N	\$3,890.00	\$3,890.00
Line:2	AVEVA Supervisory Client with Historian Client Desktop 2020, no MSCAL				
1	DEVSTD-04-U-20	1 Estimated 1-2 Weeks	N	\$2,835.00	\$2,835.00
Line:3	SN: 887310 Upg, AVEVA Development Studio 2020 Unlimited, Unlim/60K/500				
1	DR-250-50	1 Estimated 1-2 Weeks	N	\$4,840.00	\$4,840.00
Line:4	Dream Report, 250 Tags, v5.0 R2				
1	DR-WEB-2-50	1 Estimated 1-2 Weeks	N	\$1,660.00	\$1,660.00
Line:5	Dream Report Web Client, 2 Concurrent, v5.0				
				Sub-Total	\$35,510.00

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Secondary SCADA Server

Host SCADA Software/Licenses:
Supervisory Client w/Historian Client
AOS/OI Server #2
Historian Server #2

Quantity	Part Number/Description	Availability*	Tax	Price	Extension
1 Line:6	SUPCLT-03-N-20 Trade In Lic # 887312, AVEVA Supervisory Client with Historian Client Desktop 2020, no MSCAL	1 Estimated 1-2 Weeks	N	\$700.00	\$700.00
1 Line:7	HSTSTD-21-N-20 AVEVA Historian 2020, Standard 5,000 Tag, Redundant	1 Estimated 1-2 Weeks	N	\$7,995.00	\$7,995.00
Sub-Total					\$8,695.00

Plant B Filter Gallery Workstation

SCADA Software:
Supervisory Client w/Historian Client

Quantity	Part Number/Description	Availability*	Tax	Price	Extension
1 Line:8	SUPCLT-03-N-20 Trade In Lic # 910182 AVEVA Supervisory Client with Historian Client Desktop 2020, no MSCAL	1 Estimated 1-2 Weeks	N	\$700.00	\$700.00

Brackish Water Control Room Workstation

SCADA Software:
Supervisory Client w/Historian Client

Quantity	Part Number/Description	Availability*	Tax	Price	Extension
1 Line:9	SUPCLT-03-N-20 AVEVA Supervisory Client with Historian Client Desktop 2020, no MSCAL	1 Estimated 1-2 Weeks	N	\$3,890.00	\$3,890.00

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Pages: 3 of 9

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Customer First Premium Support

Quantity	Part Number/Description	Availability*	Tax	Price	Extension
1 Line:10	CF-PREMIUM-N-WW Customer FIRST - Premium - WW HMI SCADA - 2 Year Term	1 Estimated 1-2 Weeks	N	\$21,510.00	\$21,510.00
1 Line:11	CF-PREMIUM-N-HST Customer FIRST - Premium - Historian - 2 Year Term	1 Estimated 1-2 Weeks	N	\$3,520.00	\$3,520.00
1 Line:12	CF-DR Customer First for Dream Report - 2 Year Term	1 Estimated 1-2 Weeks	N	\$2,340.00	\$2,340.00

Sub-Total \$27,370.00

Redundant TopView - Alarm Notification

Redundant TopView Software to be installed on Primary SCADA Server Host and Secondary SCADA Server

Included in SSA:

SSA (Software Support Agreement) is an annual service that provides the user with free product upgrades and extended support options. During a period of active SSA, users will receive all product upgrades, fixes and extended phone and email support at no additional cost.

Quantity	Part Number/Description	Availability*	Tax	Price	Extension
1 Line:13	TV-WW-RESTR-UNL-B TopView for Wonderware Restricted Unlimited tag license with Failover; includes 1 year of support	1 Estimated 1-2 Weeks	N	\$5,495.00	\$5,495.00
1 Line:14	TV-EXTENDED-SUPPORT Additional 1 Year of Support	1 Estimated 1-2 Weeks	N	\$850.00	\$850.00
1 Line:15	4815456 └ UCM-6202 Grandstream UCM6202 IP PBX- 2 port	1 Estimated 1-2 Weeks	Y	\$355.00	\$355.00

Sub-Total \$6,700.00

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Primary SCADA Server Hardware

*Dell Tower Server based upon Project specs

Quantity	Part Number/Description	Availability*	Tax	Price	Extension
1 Line:16	DELL-PRECISION-5820 Dell Precision 5820 Tower with Xeon processor	1 Estimated 1 Day	Y	\$7,828.31	\$7,828.31
1 Line:17	DELL-U3219Q Dell UltraSharp 32 4K USB-C Monitor - U3219Q	1 Estimated 1 Day	Y	\$1,021.99	\$1,021.99
1 Line:18	520-AAOT └ CFXF5 Dell Stereo Soundbar - AC511M	1 Estimated 1 Day	Y	\$43.19	\$43.19
1 Line:19	5560452 └ HZV-00054 Windows 10 Pro for Workstations - license - 1 license	1 Estimated 1 Day	N	\$363.51	\$363.51
1 Line:20	5301474 └ 021-10609 Microsoft Office Standard 2019 - license - 1 PC	1 Estimated 1 Day	N	\$527.35	\$527.35
Sub-Total					\$9,784.35

PO Number:
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Terms:
Pages: 5 of 9

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Secondary SCADA Server Hardware

*Dell Tower Server based upon Project specs

Quantity	Part Number/Description	Availability*	Tax	Price	Extension
1 Line:21	DELL-PRECISION-5820 Dell Precision 5820 Tower with Xeon processor	1 Estimated 1 Day	Y	\$7,828.31	\$7,828.31
1 Line:22	DELL-U3219Q Dell UltraSharp 32 4K USB-C Monitor - U3219Q	1 Estimated 1 Day	Y	\$1,021.99	\$1,021.99
1 Line:23	520-AAOT └ CFXF5 Dell Stereo Soundbar - AC511M	1 Estimated 1 Day	Y	\$43.19	\$43.19
1 Line:24	5560452 └ HZV-00054 Windows 10 Pro for Workstations - license - 1 license	1 Estimated 1 Day	N	\$363.51	\$363.51
1 Line:25	5301474 └ 021-10609 Microsoft Office Standard 2019 - license - 1 PC	1 Estimated 1 Day	N	\$527.35	\$527.35
Sub-Total					\$9,784.35

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Pages: 6 of 9

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(2) Workstations Hardware

*Dell Workstations based upon Project specs

Quantity	Part Number/Description	Availability*	Tax	Price	Extension
2 Line:26	DELL-PRECISION-5820_2225 Dell Precision 5820 Tower with Xeon processor	2 Estimated 1 Day	Y	\$4,327.78	\$8,655.56
2 Line:27	DELL-U3219Q Dell UltraSharp 32 4K USB-C Monitor - U3219Q	2 Estimated 1 Day	Y	\$1,021.99	\$2,043.98
2 Line:28	520-AAOT └ CFXF5 Dell Stereo Soundbar - AC511M	2 Estimated 1 Day	Y	\$43.19	\$86.38
2 Line:29	5301474 └ 021-10609 Microsoft Office Standard 2019 - license - 1 PC	2 Estimated 1 Day	N	\$527.35	\$1,054.70

Sub-Total **\$11,840.62**

TrendMicro AntiVirus Software for SCADA Servers & Workstations

Quantity	Part Number/Description	Availability*	Tax	Price	Extension
10 Line:30	1775433 └ CSNN0099 Trend Micro Worry-Free Business Security Standard - license + 1 Year Mainte	10 Estimated 1 Day	N	\$46.07	\$460.70

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IT Services

Summary of Functional Specification Services:

Create a Configuration spreadsheet that will be used to define the Scope of work for the software purchased. Spreadsheet will define the configuration for Host and VMs, along with the software installed on each VM with its version and networking configurations.

Summary of Documentation Services:

Base Documentation is highly recommended as it provides the basic needs to commission the system. It outlines what was done to the system(s), the passwords that were used and any next steps that need to be taken. Without this documentation, it will be the responsibility of the customer to determine the proper cabling for the system. Without this documentation System support for installation and commissioning will be limited.

- System Cabling Diagram
- System Startup Procedures for a Typical Host
- Quality Assurance Documentation

Applicable Operations and Maintenance Manual documentation for the supplied Software and Hardware. This will include all documentation (both paper and electronic) that was supplied by the Original Equipment Manufacturers to Wonderware California. Note, Wonderware California will only be supplying to the Contractor the documentation as it was received and will not be responsible for the creation of a formal Operations and Maintenance Manual submittal of this information

Summary of Installation Services

Configure Four DELL Precision 5820 Towers

- Primary SCADA Server

- Supervisory Client with Historian Client (DEVSTD-04-U-20)

- Primary Polling of PLCs (via Modbus TCP OI Server)

- Primary Historian 5K Tags (SYSPLT-06-N-20)

- Primary TopView Alarm Dialer (TV-WW-RESTR-UNL-B, TV-EXTENDED-SUPPORT)

- Dream Report 250 Tags and 2 Web Clients (DR-250-50, DR-WEB-2-50, CF-DR)

- AVEVA License Manager

- Microsoft Office 32bit

- Hyper-V Role Enable

- Secondary SCADA Server

- AVEVA Supervisory Client with Historian Client (SUPCLT-03-N-20)

- Secondary Polling of PLCs (via Modbus TCP Driver)

- Secondary Historian (HSTSTD-21-N-20)

- Secondary TopView Alarm Dialer (TV-WW-RESTR-UNL-B, TV-EXTENDED-SUPPORT)

- AVEVA License Manager

- Microsoft Office 32bit

- Workstation #1

- AVEVA Supervisory Client with Historian Client (SUPCLT-03-N-20)

- Workstation #2

- AVEVA Supervisory Client with Historian Client (SUPCLT-03-N-20)

Configure One Virtual Machine

- Galaxy Repository

- AVEVA Development Studio (DEVSTD-04-U-20)

- Application Server Development

- Application Server Galaxy Repository

- AVEVA License Manager

*NOTE: WWCA IT Services does NOT include any Wonderware application installation, development or Migration services, unless specifically quoted elsewhere

Quantity	Part Number/Description	Availability*	Tax	Price	Extension
2	WWCA-CONFIG-SHEET	2 Estimated TBD	Y	\$0.00	\$0.00
Line: 31	Completed WWCA Configuration Sheet is required w/ purchase of WWCA IT Services				

PO Number:
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Pages: 8 of 9

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Quantity	Part Number/Description	Availability*	Tax	Price	Extension
1 Line:32	WWCA-VM-BASE-DOC Hypervisor System Base Documentation	1 Estimated TBD	N	\$1,000.00	\$1,000.00
80 Line:33	WWCA-SVC-0010 IT Services (Install and Configure 4 Workstations and one VM with Installed specified on City of Antioch Wonderware system Document	80 Estimated TBD	N	\$185.00	\$14,800.00

Sub-Total **\$15,800.00**

Base Quotation Pricing Summary

Availability:

- Part availability is subject to change and is based on the availability at the time this quote was created.
- Time in transit is subject to change depending on the "Ship To" address that is provided by the customer at the time the order is placed and the method in which customer requests that the part(s) ship.
- For "In Stock" parts, orders must be received by 3:00PM PST to ship same day.
- For Factory Stock parts, please allow approximately one week for delivery via our standard shipping methods.

Taxable: \$28,927.90
Non-Taxable: \$101,607.12
Subtotal: \$130,535.02
Tax (9.25%): \$2,675.83
Freight: TBD
TOTAL: **\$133,210.85**

Freight is NOT included in this total. Your final invoice may include freight charges.

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