

15028
AGREEMENT FOR SERVICES
For LAKE COUNTY

This AGREEMENT is entered into by and between Lake County (hereinafter "County") and GS Systems, Inc. dba Wonderware Midwest and Affiliates (hereinafter "Contractor" and or Consultant), 175 North Patrick Blvd. Suite 110 Brookfield, WI 53045

RECITALS

WHEREAS, Lake County is seeking an Contractor to provide services as noted in the Contractor's response to RFP 15028 dated February 5, 2015 (the "Services"); and

WHEREAS, the Contractor has the professional expertise and credentials to provide these Services and has agreed to assume responsibility for this Agreement.

NOW, THEREFORE, Lake County and the Contractor agree as follows:

SECTION 1. AGREEMENT DOCUMENTS

The Agreement Documents that constitute the entire agreement between Lake County and the Contractor are in order of precedence:

- A. This Agreement and all exhibits thereto; and,
- B. Terms and Conditions identified in RFP 15028
- C. Contractor's quote dated April 22, 2015 and noted within as Exhibit A.
- D. Contractor's response to RFP 15028 dated February 5, 2015 and noted within as Exhibit B

SECTION 2. DURATION

The contract will commence upon execution and continue through the applicable warranty period(s) and solution acceptance. At the end of any Renewal term, Lake County reserves the right to extend this contract for a period of up to sixty (60) days for the purpose of getting a new contract in place. For any year beyond the initial year, this contract is contingent on the appropriation of sufficient funds. No charges shall be assessed for failure of the County to appropriate funds in future contract years. The Contractor shall submit an implementation schedule showing the actual completion date to be submitted to the County for approval.

SECTION 3. AGREEMENT PRICE

The County will pay the Contractor an initial fee for deliverables and maintenance support identified in Exhibit A not to exceed an initial total dollar amount of \$98,172.50 and future maintenance cost estimated at 45,100 for years 2 through 5.

SECTION 4. INVOICES & PAYMENT

A Purchase Order will be issued for the work and Contractor shall submit invoice(s) detailing the products and services provided and identify the Purchase Order number on all invoices. All Payments shall be made in accordance with the Local Government Prompt Payment Act. 50 ILCS 505/1 et seq.

SECTION 5. INDEMNIFICATION

The Contractor agrees to indemnify, save harmless and defend Lake County, their agents, servants, and employees, and each of them against and hold it and them harmless from any and all lawsuits, claims,

demands, liabilities, losses and expenses, including court costs and attorney's fees, for or on account of any injury to any person, or any death at any time resulting from such injury, or any damage to property, which may arise connection with the work covered by this Agreement caused directly by the negligence or willful or wanton conduct of the Contractor. The foregoing indemnity shall apply except if such injury, death or damage is caused directly by the gross negligence or willful or wanton conduct of Lake County, their agents, servants, or employees or any other person indemnified hereunder.

SECTION 6. INSURANCE

The Proposer shall maintain for the duration of this contract and any extensions thereof insurance issued by a company or companies qualified to do business in the State of Illinois, in the following types and amounts:

- Workmen's Compensation Insurance covering all liability of the Contractor arising under the Workmen's Compensation Act and Workmen's Occupational Disease Act; limits of liability not less than statutory requirements.

- Professional Liability to include, but not be limited to, coverage for Errors and Omissions to respond to claims for loss there from:

General Aggregate Limit \$ 2,000,000

Each Occurrence Limit \$ 1,000,000

- Comprehensive General Liability in a broad form, to include, but not be limited to, coverage for the following where exposure exists: Premises/Operations, Independent Contractors, Products/Completed Operations, Personal Injury and Contractual Liability, limits of liability not less than:

General Aggregate Limit \$ 2,000,000

Each Occurrence Limit \$ 1,000,000

- Professional Liability – Cyber Liability

Cyber Liability Insurance for first and third party risks covering claims involving privacy violations, information theft, damage to or destruction of electronic information, intentional and/or unintentional release of private information, alteration of electronic information, extortion and network security and property damage to electronic information and/or data. Such coverage is required for claims involving any professional services for which Contractor is engaged with Insured for such length of time as necessary to cover any and all claims.

Each occurrence limit \$ 1,000,000

Proposer agrees that with respect to the general liability insurance, the County shall be:

- named as additional insured by endorsement as their interest may appear;
- provided with thirty (30) days notice, in writing, of cancellation or material change;
- provided with Certificates of Insurance evidencing the above-required insurance, prior to commencement of this Agreement and thereafter with certificates evidencing renewals or replacements of said policies of insurance at least thirty (30) days prior to the expiration of cancellation of any such policies. Forward Notices and Certificates of Insurance to: Lake County Purchasing Division, 18 No. County St. – 9th Fl., Waukegan, IL 60085-4350.

Failure to Comply: In the event the Proposer fails to obtain or maintain any insurance coverage's required under this agreement, the County of Lake may purchase such insurance coverage's and charge the expense thereof to the Proposer.

SECTION 7. INDEPENDENT CONTRACTOR

The Contractor is defined and identified as an independent contractor, not an employee or agent of Lake County and the County has no right to control or direct Contractor's manner, detail, or means by which Contractor accomplishes tasks under this Agreement.

SECTION 8. NO IMPLIED WAIVERS

The failure of either party at any time to require performance by the other party of any provision of this Agreement shall not affect in any way the full right to require such performance at any time thereafter. Nor shall the waiver by either party of a breach of any provision of this Agreement be taken or held to be a waiver of the provision itself.

SECTION 9. SEVERABILITY

If any part of this Agreement shall be held to be invalid for any reason, the remainder of this Agreement shall be valid to the fullest extent permitted by law.

SECTION 10. JURISDICTION, VENUE, CHOICE OF LAW AND PROFESSIONAL STANDARDS

This Agreement shall be governed by and construed according to the laws of the State of Illinois. Jurisdiction and venue shall be exclusively found in the 19th Judicial Circuit Court, State of Illinois.

SECTION 11. NOTICES AND COMMUNICATIONS

All notices and communications which may be given by Lake County to the Contractor relative to this Agreement shall be addressed to the Contractor at the address shown herein below:

GS Systems, Inc. dba Wonderware Midwest and Affiliates
175 North Patrick Blvd. Suite 110
Brookfield, WI 53045
Attn: Joe Finn

Copies of any notices and communications which propose to alter, amend, terminate, interpret or otherwise change this Agreement shall be provided to: Lake County Purchasing Division, 18 North County Street, Waukegan, Illinois 60085-4350; Attention: Purchasing Agent.

SECTION 12. ASSIGNMENT, ALTERATIONS AND MODIFICATIONS

Except as otherwise provided herein, this Agreement shall not be assigned, altered or modified without the express written consent of both parties. This Agreement supersedes any and all other agreements, oral or written, between the parties hereto with respect to the subject matter hereof.

SECTION 13. TERMINATION

The County reserves the right to terminate this contract, or any part of this contract, upon thirty (30) Day's written notice. In case of such termination, the Contractor(s) shall be entitled to receive payment from the County for work completed to date in accordance with the terms and conditions of this contract. In the event that this Contract is terminated due to Contractor's default, the County shall be entitled to purchase substitute items and/or services elsewhere and charge the Contractor with any or all losses incurred, including attorney's fees and expenses.

SECTION 14. CHANGE IN STATUS: The Contractor shall notify Lake County immediately of any change in its status resulting from any of the following: (a) vendor is acquired by another party; (b) vendor becomes insolvent; (c) vendor, voluntary or by operation law, becomes subject to the provisions of any chapter of the Bankruptcy Act; (d) vendor ceases to conduct its operations in normal course of business. Lake County shall have the option to terminate its contract with the vendor on 15 days written notice based on any such change in status.

IN WITNESS HEREOF, the undersigned have caused this Agreement to be executed in their respective names on the dates hereinafter enumerated.

Lake County:

GS Systems, Inc. dba Wonderware Midwest and
Affiliates

Name
Lake County

Title

Date _____

Date _____



EXHIBIT A

Quote

GS Systems, Inc. and Affiliates
Wonderware Midwest is a GS Affiliate
175 North Patrick Blvd., Suite 110
Brookfield, WI 53045
866.826.9725
orders@wonderwaremidwest.com
wonderwaremidwest.com

Quote Q11819

Revision # 1

Date 4/22/2015

Terms Net 10

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Owned and operated by GS Systems, an independent Wonderware software distribution partner

Bill To: Lake County Public Works
Public Works Administrative
650 Winchester Road
Libertyville IL 60048

Ship To: Lake County Public Works
Public Works Administrative
650 Winchester Road
Libertyville IL 60048

Project		Contact	Account Executive		Customer Service Administrator	
Historian Reporting		Efren Heredia	Joe Finn		Eric Graner	
Line Item	Item Number	Description	Qty	UOM	Unit Price	Extended Price
1	17-1408	Historian Server 2014R2 Standard 5K Tag	1	Each	\$15,640.00	\$15,640.00
2	09-0347	Information Server Portal 2014R2	1	Each	\$0.00	\$0.00
3	17-1386	Historian Client 2014R2 Per Server 10 User Concurrent	1	Each	\$12,210.00	\$12,210.00
4	17-0267	WW CAL with MS CAL Runtime 10 Pack SQL 2012 Standard	1	Each	\$4,430.00	\$4,430.00
5	17-1397	Remote Indus Data Acquisition Service 2014R2	3	Each	\$1,570.00	\$4,710.00
6	10-7050	Wonderware Customer First Support - Add to existing agreement Support for Historian Software Agreement ID: 45046 Expires: 03/02/2016	1	Each	\$5,260.00	\$5,260.00
7	OPERATOR10WW-10	Operator10 Wastewater Data Management Software - 10 Seat license Includes 1st Year of Support	1	Each	\$12,000.00	\$12,000.00
8	OPC-DDE	Allmax OPC/DDE Interface to SCADA	1	Each	\$1,250.00	\$1,250.00
9	AUDIT-TRAIL	Allmax Audit Trail	1	Each	\$800.00	\$800.00
10	OPERATOR10W-10	Operator10 Water Data Management Software - 10 seat license Includes 1st Year of Support 15% discount bundle discount is reflected in the extended price column	1	Each	\$12,000.00	\$10,200.00
11	OPC-DDE	Allmax OPC/DDE Interface to SCADA 15% discount bundle discount is reflected in the extended price column	1	Each	\$1,250.00	\$1,062.50
12	AUDIT-TRAIL	Allmax Audit Trail 15% discount bundle discount is reflected in the extended price column	1	Each	\$800.00	\$680.00
13	AM TRAINING	AllMax On-Site Training Reporting Training Three sessions of two days each, on-site for 12 persons at each session.	1	Each	\$9,000.00	\$9,000.00
14	TRN-ONSITE	OnSite Training Performed by Wonderware Midwest Class: Historian Client Duration: 2 Days	1	Each	\$15,745.00	\$15,745.00



Quote

GS Systems, Inc. and Affiliates
 Wonderware Midwest is a GS Affiliate
 175 North Patrick Blvd., Suite 110
 Brookfield, WI 53045
 866.826.9725
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 wonderwaremidwest.com

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Project		Contact	Account Executive		Customer Service Administrator	
Historian Reporting		Efren Heredia	Joe Finn		Eric Graner	
Line Item	Item Number	Description	Qty	UOM	Unit Price	Extended Price
		Location: Libertyville, IL Pricing is based on 12 attendees We ask that Lake County Public Works provide a secured training facility for up to twelve (12) attendees and one (1) instructor, power for each computer and monitor, screen for projector, white board with markers and eraser, all food and beverages, availability of the training room one day prior for set-up and testing, and one day after for tear down. Wonderware Midwest provides trainer, computers and monitors, projector, networking hardware, and training material.				
15	10-7050	Wonderware Customer First Support - Add to existing agreement Support Estimate for Historian Software - Year 2 Add to renewal for existing licenses Effective Date Range: 03/03/2016 - 03/02/2017	1	Each	\$5,885.00	\$5,885.00
16	ALLMAX-SUPPORT	Allmax Support Agreement Renewal for both programs for Year 2	1	Each	\$4,100.00	\$4,100.00
17	10-7050	Wonderware Customer First Support - Add to existing agreement Support Estimate for Historian Software - Year 3 Add to renewal for existing licenses Effective Date Range: 03/03/2017 - 03/02/2018	1	Each	\$6,060.00	\$6,060.00
18	ALLMAX-SUPPORT	Allmax Support Agreement Renewal for both programs for Year 3	1	Each	\$4,200.00	\$4,200.00
19	10-7050	Wonderware Customer First Support - Add to existing agreement Support Estimate for Historian Software - Year 4 Add to renewal for existing licenses Effective Date Range: 03/03/2018 - 03/02/2019	1	Each	\$6,245.00	\$6,245.00
20	ALLMAX-SUPPORT	Allmax Support Agreement Renewal for both programs for Year 4	1	Each	\$4,300.00	\$4,300.00
21	10-7050	Wonderware Customer First Support - Add to existing agreement Support Estimate for Historian Software - Year 5 Add to renewal for existing licenses	1	Each	\$6,430.00	\$6,430.00



Quote

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Wonderware Midwest is a GS Affiliate
175 North Patrick Blvd., Suite 110
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866.826.9725
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wonderwaremidwest.com

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Owned and operated by GS Systems, an independent Wonderware software distribution partner

Project		Contact	Account Executive		Customer Service Administrator	
Historian Reporting		Efren Heredia	Joe Finn		Eric Graner	
Line Item	Item Number	Description	Qty	UOM	Unit Price	Extended Price
22	ALLMAX-SUPPORT	Effective Date Range: 03/03/2019 - 03/02/2020 Allmax Support Agreement Renewal for both programs for Year 5	1	Each	\$4,400.00	\$4,400.00
23	41290207-N	DataHub® WebView Pack Includes 1 Year Support & Maintenance Agreement	1	Each	\$2,965.00	\$2,965.00
24	41290207-N-SUPT-R	1 Year Support & Maintenance Support for year 2	1	Each	\$495.00	\$495.00
25	41290207-N-SUPT-R	1 Year Support & Maintenance Support for year 3	1	Each	\$495.00	\$495.00
26	41290207-N-SUPT-R	1 Year Support & Maintenance Support for year 4	1	Each	\$495.00	\$495.00
27	41290207-N-SUPT-R	1 Year Support & Maintenance Support for year 5	1	Each	\$495.00	\$495.00
28	41290202-N	DataHub® OPC DA Tunneller Pack Includes 1 Year Support & Maintenance Agreement	3	Each	\$740.00	\$2,220.00
29	41290202-N-SUPT-R	1 Year Support & Maintenance Support for year 2	3	Each	\$125.00	\$375.00
30	41290202-N-SUPT-R	1 Year Support & Maintenance Support for year 3	3	Each	\$125.00	\$375.00
31	41290202-N-SUPT-R	1 Year Support & Maintenance Support for year 4	3	Each	\$125.00	\$375.00
32	41290202-N-SUPT-R	1 Year Support & Maintenance Support for year 5	3	Each	\$125.00	\$375.00



Quote

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Wonderware Midwest is a GS Affiliate
175 North Patrick Blvd., Suite 110
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Comments:

Subtotal	\$143,272.50
Misc	\$0.00
Freight	\$0.00
Estimated Tax	\$0.00
Total	\$143,272.50

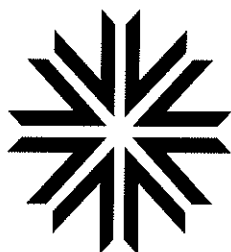
This quote is an estimate of suggested products to be purchased and should not be viewed as fully satisfying the needs of a particular design or functional objective. It is limited to the products, quantities and prices shown.

Wonderware software products and prices included in this quote are made available for resale with the understanding that the required implementation services at the ultimate end-user customer are being provided by a recognized Wonderware System Integrator partner with the appropriate certification credentials.

Terms and Conditions Highlights: All orders are subject to and limited by Wonderware Midwest Terms and Conditions of Sale which can be found at www.wonderwaremidwest.com. Notice of objection and rejection of any additional or different terms in any form delivered by the customer is hereby given. Any performance on the part of the buyer against this sale will be considered willful acknowledgement and acceptance of these terms.

- Quoted pricing is valid for 30 days from quotation date unless stated otherwise
- Payment is due at invoice date, Net 10 days to approved credit
- Delivery: Software orders normally ship within 5 business days; Hardware orders are usually longer, often several weeks. Please confirm delivery prior to ordering
- Products are shipped FOB supplier shipping point, freight prepaid. Prices shown do not include shipping/handling charges
- Prices shown do not include any taxes which may be applicable
- UPS ground is standard shipping method
- Replacement cost of lost or stolen software license can be 80% of acquisition cost
- Wonderware software is intended for installation on MS retail Windows OS Systems; not intended for OEM Windows versions*
- All sales are deemed final at time of shipment

*Per Wonderware End User License Agreement (EULA)



Lake County

Purchasing Division

<http://doingbusiness.lakecountyil.gov/>

Waukegan Campus

Please note the submission location is:

Lake County

Attn: Purchasing Division

18 N. County Street – 9th Floor

Waukegan, IL 60085-4350

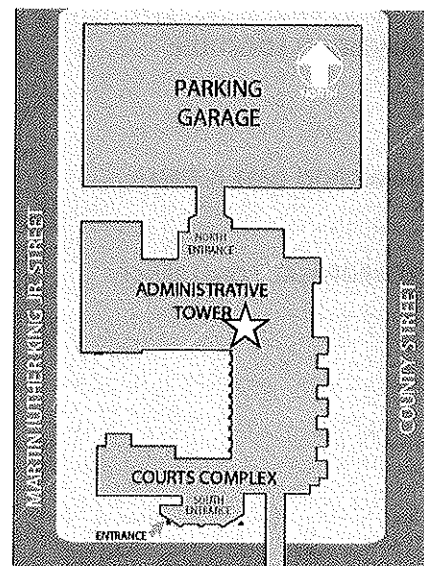
Contact information for Lake County Purchasing is:

Purchasing Division

Phone 847-377-2992

Fax 847-984-5889

Email: purchasing@lakecountyil.gov



ALL SUBMITTALS SHOULD BE LABELED ACCORDINGLY. PLEASE USE BELOW LABEL FOR YOUR CONVENIENCE.



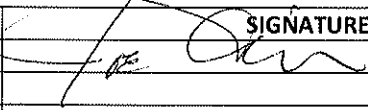
BID/RFP No. RFP # 15028	Vendor Name: <u>Wonderware Midwest</u>
Buyer: Yvette Albarran	Lake County
Bid/RFP Description: SCADA Historian, Dashboard and Reporting Software	ATTN: PURCHASING DIVISION
BID/RFP Due Date*: February 5, 2015 at 2:00 p.m.	18 N. County Street – 9 th Floor Waukegan, IL 60085-4350

*Please note: Responses are due at the 9th floor reception desk and shall be time stamped by 2:00 p.m. CST on the required due date. Please allow sufficient time for parking, passing through security and arriving at the 9th floor.



Addendum Acknowledgement RFP #15028

The undersigned acknowledges receipt of the following addendum(s):

ADDENDUM #	SIGNATURE
1	

I have examined and carefully prepared the submittal documentation in detail before submitting my response to Lake County.

Submittal Number:

15028

Company Name:

Wanderware Midwest

Authorized Representative:



Signature

Authorized Representative:

Joe Finn

Print

Date:

2/2/2015

It is the vendor's responsibility to check for addendums, posted on the website at <http://lakecountypurchasingportal.com> prior to the submittal due date. No notification will be sent when addendums are posted unless there is an addendum within three business days of the submittal due date.

If the submittal has already been received by Lake County, vendors are required to acknowledge receipt of addendum via email to purchasing@lakecountyl.gov prior to the due date.

Submittals that do not acknowledge addendums may be rejected.

All responses are to be submitted in a sealed envelope. Envelopes are to be clearly marked with required submittal information.

SCADA HISTORIAN, DASHBOARD AND REPORTING SOFTWARE

GENERAL INFORMATION SHEET

January 2015

AUTHORIZED NEGOTIATORS:

Name: Joe Finn Phone # 2624321081 Email Address: joe.finn@wonderwaremidwest.com
Name: _____ Phone # _____ Email Address: _____

BUSINESS ORGANIZATION: (check one only)

- ☐ Sole Proprietor: An individual whose signature is affixed to this proposal.
- ☐ Partnership: State full names, titles, and addresses of all responsible principals and/or partners on attached sheet.
- ☒ Corporation: State of incorporation: Wisconsin
- ☐ Non-profit Corporation
- ☐ 501c3-- U.S. Internal Revenue Code

By signing this proposal document, the proposer hereby certifies that it is not barred from responding on this contract as a result of a violation of either Section 33E-3 or 33E-4 of the Illinois Criminal Code of 1961, as amended.

JS Systems dba Wonderware Midwest

Business Name

Joe Finn

Signature

Director, Sales

Title

Joe Finn

Print or Type Name

2/2/15

Date



A SCADA Historian, Dashboard & Reporting Software Proposal:



Purchasing Division
18 North County Street – 9th Floor
Waukegan, IL 60085-4350

RFP # 15028

Due: February 5, 2015 2:00pm Local Time

Prepared by:

Joe Finn

Wonderware Midwest

Director, Sales

262-432-1081 direct

joe.finn@wonderwaremidwest.com

Wonderware Midwest – An independent Wonderware Software Distributor Partner
175 North Patrick Boulevard, Brookfield, Wisconsin 53045

Wonderware Midwest, an independent Wonderware Software Distributor Partner is pleased to submit this proposal to Lake County, Illinois.

1 Introduction Material and Executive Summary

Wonderware Midwest proposes the following products to fulfill the needs of this 'Request for Proposal' by Lake County, Illinois. Note that wherever the name 'Wonderware' is used, we are referring to the **Wonderware brand by Schneider Electric**.

Wonderware Historian is the data collection engine.

For Clients, we propose the Wonderware Historian Client.

For Dashboards; Wonderware SmartGlance

For Reporting; AllMax Operator10 by AllMax Software. AllMax Operator10 is not a product by Schneider Electric, but a partner product of 'Wonderware by Schneider Electric.'



2 Company Background

Headquarters and Office supporting Lake County, Illinois

Wonderware Midwest

175 North Patrick Boulevard

Suite 110

Brookfield, WI 53045

Year established: 1985

Supporting the Public Sector since we began with Wonderware in 1990 – 24 years.

Over 700 Municipalities in the upper Midwest using Wonderware products. Over 40,000 Wonderware licenses are installed around the globe in the water and wastewater sector.

Our primary market is general manufacturing with a focus on Food & Beverage / Dairy. That market is ~55 percent of our business. Public Sector is ~25%. The remaining is Oil and Gas and miscellaneous markets.



Wonderware Midwest is a dba of GS Systems LLC – a privately held company owned by John S. Gardner with 20 employees

5 Exceptions to the RFP

Documentation: Page 9, Item 35

- Documentation is electronic.

Warranty: Page 11, Item 7

- First year Warranty on the Wonderware by Schneider Electric software has been pro-rated to align with your current support contract with Wonderware. Note that ALL Wonderware software at any specific site must be on support in order for ANY Wonderware software at any specific site to be on support. i.e. User can not pick and choose which products are covered under support. . . it is all or none.

Hosted Solution: Page 27, Item 12

- If this initial RFP we are quoting 'on premise' which can still be hosted by a third party. We also have the option however to have Wonderware host all of the Wonderware software. AllMax currently does not offer a hosted solution, but we can inquire to the Wonderware hosting team if we can include this on their servers.

Historian Client: Page 27, Item 2

- While the Historian Client trend can be embedded into your InTouch application, the licensing of using the Historian Client trend tool is not included in this pricing – unless you are considering those as part of your required number of clients noted in this RFP.

Dashboards: Page 29, Item 2.03

- Our Dashboard certainly allows simple trends and objects from a template, but the use of meters, switches and lights are more appropriate for the mobile version of your HMI – Wonderware InTouch. This feature – InTouch Access Anywhere – can be demonstrated if interested, but is not included in this proposal.

6. Price Proposal

Cost Proposal	
Cost associated with furnishing the proposed Historian Software 25,000 Tag Wonderware Historian plus 10 Historian Client Users plus 3ea IDAS (Data Collection modules for each of the three Hubs)	\$57,580.00
Historian Server and Client Support Cost for Year 1 NOTE: This is prorated based on Lake County's current Support Contract	\$9,655.00
Cost associated with furnishing the proposed Reporting Software Includes: AllMax Operator10 Water 10 Seat, Operator10 Wastewater 10 Seat, OPC Interface for Operator10, Audit Trail for Operator10, First year of support for all of the above.	\$37,500.00
Reporting Server and Client Support Cost for Year 1 AllMax includes first year support in their software pricing	Included
Cost associated with furnishing the proposed Dashboard Software 10 User SmartGlance, On Premises Server	\$13,715.00
Dashboard Software support Cost for Year 1	\$2,605.00
Proposer shall include on-site instructor lead training from the manufacturer at the Lake County Public Works facility	\$25,000 - Allowance
TOTAL COST FOR YEAR 1 \$	\$146,055.00
Annual Maintenance Costs	
Historian Server and Client Support cost	9,125.00
Reporting Server and Client Support cost	\$4,100.00

7. Sustainability Statement

Being a distributor of Wonderware software, we do not have a manufacturing process per se. Even Schneider Electric as the manufacturer of the Wonderware software is not a true manufacturing process as the majority of the manufacturing assets are our people; developers, support personnel, etc.

Waste Minimization:

We recycle aluminum, plastic and cardboard

3rd party service where scrap paperwork is placed to be shredded / recycled.

Printer is set for double sided printing as a default.

Documents are all managed electronically.

Energy Efficiency:

Heat or A/C are turned down / up at night

Water Efficiency:

Restroom faucets are triggered by touch

Water cooler in place for employees

8. Lake County RFP Documents

Historian Information

Historian Server Software Manufacturer and Name:	Wonderware Historian - Wonderware by Schneider Electric
Historian Client Software Manufacturer and Name:	Wonderware Historian Client – Wonderware by Schneider Electric
Data Collection Software Manufacturer and Name:	Wonderware IDAS – Wonderware by Schneider Electric
Number of existing Historian Server/Client users in water/wastewater industry:	~2,000 Servers/ ~4,000 Clients
Number of existing Historian Server/Client users in	~500 Servers over 1K tags

	<p>$(7*10000)*(60/60)*60*24/2$, which is approximately 50MB per day.</p> <p>Delta Analog Storage Requirements</p> <p>Each delta-stored analog value that is written to the Historian Server database will use approximately 10 bytes of space. Since delta storage only occurs when the value changes, the total amount of storage space that is required will depend on how often your values change. Use this formula to estimate the disk usage per day for delta-stored analog values:</p> <p>Estimated disk usage per day = $(10*\text{number of tags}) * (60/\text{average storage rate in seconds}) * 60 \text{ minutes} * 24 \text{ hours} / (\text{NTFS compression ratio})$ For example, the disk usage per day for 10,000 tags that are changing, on average, every 60 seconds would be $(10*10000)*(60/60)*60*24/2$, which is approximately 72MB per day</p>
Maximum number of tags:	2,000,000
Maximum number of events/second:	150,000/second sustained 300,000/second burst mode
Compression Method:	Swinging Door
Compression Ratio (describe method of determining compression ratio):	~98% Compression: We store Value, Time, and Quality for each data point and putting aside all of the variables, an average size record is approx. 8 bytes per piece of data.