

**City of Carson City
Agenda Report**

Date Submitted: August 23, 2013

Agenda Date Requested: September 5, 2013

Time Requested: Consent

To: Mayor and Supervisors

From: Purchasing and Contracts

Subject Title: For Possible Action: Action to determine that Purchase Order #7608 is a purchase request for hardware and associated peripheral equipment and devices for computers and/or software for computers and therefore not suitable for public bidding pursuant to NRS 332.115 and to approve Purchase Order #7608 a request for PLC System modernization, associated equipment, materials and training needed to/for the conversion to be provided by George T. Hall Company for a not to exceed cost of \$62,145.00 to be funded from the Public Works Equipment Repair & Maint. Account in the Water Fund as provided in FY 2013/2014. (File No. 1314-083) *(Kim Belt)*

Staff Summary: This Purchase Order is for the Replacement of the Programmable Logic Controller (PLC) at Quill Water Treatment Plant. The existing PLC is obsolete and has reached end of life.

Type of Action Requested: (check one)

☐ Resolution

☐ Ordinance

☒ Formal Action/Motion ☐ Other (Specify)

Does This Action Require A Business Impact Statement: ☐ Yes ☒ No

Recommended Board Action: I move to determine that Purchase Order #7608 is a purchase request for hardware and associated peripheral equipment and devices for computers and/or software for computers and therefore not suitable for public bidding pursuant to NRS 332.115 and to approve Purchase Order #7608 a request for PLC System modernization, associated equipment, materials and training needed to/for the conversion to be provided by George T. Hall Company for a not to exceed cost of \$62,145.00 to be funded from the Public Works Equipment Repair & Maint. Account in the Water Fund as provided in FY 2013/2014. (File No. 1314-083) *(Kim Belt)*

Explanation for Recommended Board Action: Pursuant to **NRS 332.115 subsection 1 (d)**, staff is requesting the Board of Supervisors declare that the Purchase Order is not adapted to award by competitive bidding.

NRS 332.115 Contracts not adapted to award by competitive bidding; purchase of equipment by local law enforcement agency, response agency or other local governmental agency; purchase of goods commonly used by hospital.

1. Contracts which by their nature are not adapted to award by competitive bidding, including contracts for:

(d) Equipment which, by reason of the training of the personnel or of an inventory of replacement parts maintained by the local government is compatible with existing equipment; are not subject to the requirements of this chapter for competitive bidding, as determined by the governing body or its authorized representative.

Applicable Statute, Code, Policy, Rule or Regulation: NRS 332.115 subsection 1 (d).

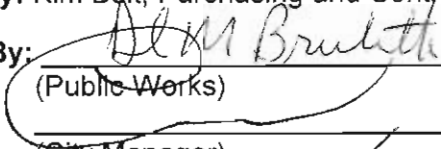
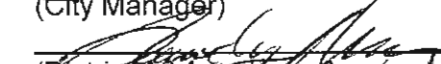
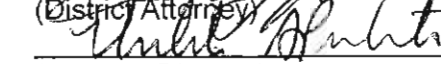
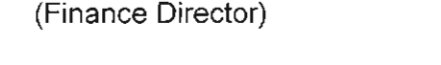
Fiscal Impact: \$62,145.00

Explanation of Impact: If approved the below listed accounts could be reduced by \$62,145.00.

Funding Source: Water Equipment Repair & Maint. Account – 520-3502-435-04-30 as provided in FY 2013/2014. The FY 2013/2014 account currently has a balance of \$113,664.17.

Supporting Material: Purchase Order #7608.

Prepared By: Kim Belt, Purchasing and Contracts Manager

Reviewed By:  Date: 8/27/13
(Public Works)
 Date: 8/27/13
(City Manager)
 Date: 8/27/13
(District Attorney)
 Date: 8/27/13
(Finance Director)

Board Action Taken:

Motion: _____ 1) _____ Aye/Nay
2) _____

(Vote Recorded By)



BLANKET ORDER
CITY OF CARSON CITY
PURCHASING & CONTRACTS
201 NORTH CARSON ST #11
CARSON CITY, NV 89701

**PURCHASE
ORDER NO.
007608**

DATE: 8/23/2013

VENDOR PHONE: (714)939-7100

VENDOR FAX: () -

VENDOR #: 15397

VENDOR ADDRESS: GEORGE T HALL COMPANY
ACCOUNTS RECEIVABLE
PO BOX 25269
ANAHEIM, CA 92825-5269

SHIP TO: PUBLIC WORKS
3505 BUTTI WAY
CARSON CITY, NV 89701

*Our P.O. # **MUST** Appear on **ALL** Invoices, Packages and Correspondence*

DELIVER BY		REQUISITION #	REQUISITION DATE	CONFIRMED BY	
08/22/2013					
FOB		ACCOUNT NUMBER		AUTHORIZED BY	
		See Summary Page		KIM BELT	
ITEM #	QUANTITY/ UNIT	DESCRIPTION ARTICLE OR SERVICE		UNIT COST	EXTENDED COST

PLC UPGRADE FOR QUILL TREATMENT FACILITY

Effective date: 09/05/2013

Expiration date: 12/31/2013

Not to exceed: 62,145.00

BOS meeting 9/5/13. Contract#1314-083.

TOTAL PURCHASE AMOUNT

\$0.00

Send Original and One Copy of Invoice to:
**PUBLIC WORKS
3505 BUTTI WAY
CARSON CITY, NV 89701**

AUTHORIZED SIGNATURE



BLANKET ORDER
CITY OF CARSON CITY
PURCHASING & CONTRACTS
201 NORTH CARSON ST #11
CARSON CITY, NV 89701

**PURCHASE
ORDER NO.
007608**

DATE: 8/23/2013

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		See Summary Page		KIM BELT	
ITEM #	QUANTITY/ UNIT	DESCRIPTION ARTICLE OR SERVICE		UNIT COST	EXTENDED COST

Account	Project	Amount
52035024350430		62,145.00



George T. Hall Company

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August 1, 2013
Quote S1177668

Carson City Utilities
James Jacklett
3503 Butti Way
Carson City, NV 89701

Dear James:

Per your request and our discussions please see below our proposal to design, program, install & startup a replacement PLC system for the GE System currently operating at your Quill Facility. If you have any questions or require any additional information, please don't hesitate to ask. Thank you for considering the George T. Hall Company.

Quill Treatment Facility PLC Upgrade – Main PLC Panel

- 1ea Modicon M340 PLC with dual NOE cards, 64 Discrete Inputs, 64 Discrete Outputs, 32 Analog Inputs, Expansion Rack & required power supplies
- 1ea 10A Phoenix Contact DC Power Supply
- 1ea 8 Port Phoenix Contact Unmanaged Ethernet Switch
- 1ea Electrical Drawing of new PLC system & I/O
- 1ea Network Diagram

Slave Panel Pump Skid

- 1ea Modicon Advantys Ethernet Drop, 16 Discrete Outputs
- 1ea 3.5A Phoenix Contact DC Power Supply
- 1ea 8 Port Phoenix Contact Unmanaged Ethernet Switch
- 1ea Electrical Drawing of new PLC system & I/O

Slave Panel Filter 1/2 & 3/4

- 2ea Modicon Advantys Ethernet Drop, 6 Discrete Inputs, 10 Discrete Outputs, 4 Analog Inputs
- 2ea 3.5A Phoenix Contact DC Power Supply
- 2ea 8 Port Phoenix Contact Unmanaged Ethernet Switch
- 2ea Electrical Drawing of new PLC system & I/O

Slave VFD Interface Panel

- 1ea Modicon Advantys Ethernet Drop, 4 Discrete Outputs, 8 Analog Inputs, 4 Analog Outputs
- 1ea 3.5A Phoenix Contact DC Power Supply
- 1ea 8 Port Phoenix Contact Unmanaged Ethernet Switch
- 1ea Electrical Drawing of new PLC system & I/O

Spare Parts

- 1 of Each Modicon M340 Component: Processor, power supply, NOE, Discrete Input, Discrete Output, Analog Input
- 1 of Each Modicon Advantys Component: I/O Drop Adapter, Power Supplies, Discrete Input, Discrete Output, Analog Input, Analog Output
- 1ea 8 Port Ethernet Switch
- 1ea DC Power Supply 10A

PLC Programming & Startup Services

- GTH to convert customer supplied GE Ladder Logic Program to Schneider Electric Unity Program
- GTH to provide startup services for new PLC system
- CC Utilities to provide documentation from old program

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FAT Services

- Prior to shipping GTH to setup entire network at our facility for complete system testing as well as customer approval

Demo & Installation Services

- GTH to provide on-site removal of existing PLC hardware
- GTH to provide on-site installation of new PLC hardware
- CC Util to assist GTH in pulling of required network cables (cat5 to each new drop, either daisy chain or homeruns)
- GTH estimates 5 days of downtime for the installation. We require 2 GTH techs on site & 1 Carson City Tech for assistance.

Notes:

Prices do not include any applicable sales tax or shipping charges.

Required Wonderware Programming by CC Util

All existing I/O wiring to be re-used

All existing instrumentation to be re-used

Any required conduit installations by CC Util

CC Util to take care of any required programming changes to existing SCADA Pak

Pricing good thru December 2013.

Expectation of installation during the Fall or Winter of 2013

Projected timeline from receipt of order to FAT is 50 business days

CC Util to take delivery of hardware and software prior to site installation. GTH to bill for products and engineering services at that time. After delivery, schedule for installation will be established.

Total for above products & engineering services: \$47,030.00

Total for install & startup: \$15,115.00

Project total: \$62,145.00

If emergency installation is required, please expect an adder of approximately \$7,500.00

Sincerely,

Michael Smith

George T. Hall Company

msmith@georgethall.com

GTH is a member of the following to maintain quality and safety with our product & personnel.



www.georgethall.com

Anaheim, CA | Los Angeles, CA | Oakland, CA | San Diego, CA | Van Nuys, CA | Las Vegas, NV | Reno, NV



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STANDARD TERMS AND CONDITIONS

1. This Quotation becomes void after 30 days unless otherwise noted in the body of the quotation.
2. Price does not include any applicable Sales tax.
3. Price does not include Shipping, unless otherwise noted.
4. Product Lead times are estimates only. GTH relies heavily on the word of manufacturers and package carriers for these delivery dates. This bid does not include electrical or mechanical installation. For example: Running conduit, pulling wire, mounting hardware and or instrumentation, unless otherwise stated above.
5. Fieldwork not included in the contract will be billed at standard rates. Unless otherwise stated above, fieldwork including start-up, instrumentation calibration, service, etceteras, will be billed at \$125.00 per hour plus travel time, mileage, and expenses during normal business hours (8:00 a.m. – 5:00 p.m.). Over-Time rates are billed at \$187.50 per hour plus travel time, mileage, and expenses. Holiday rates are billed at \$250.00 per hour plus travel time, mileage, and expenses. Any exceptions must be stated and accepted in writing.
6. Acceptance of this quotation shall be in the form of a Purchase Order or signed contract, and shall not be modified without a written change order request.
7. Acceptance of this quotation acknowledges your acceptance of these terms in their entirety, regardless of other contract documents and their implied terms.
8. The terms of this quotation are Net 30 days from the date of invoice unless otherwise noted. Interest and late charges shall accrue at 1.5% per month on any unpaid balances.
9. Progress billing will be invoiced per an attached schedule if applicable. Typically this includes an invoice for 10% of the contract amount upon receipt of approved submittals, for engineering services.
10. Please note that GTH requires a complete set of customer supplied Project Specifications.
11. Please be advised that it is GTH's standard practice to Lien all Jobs/Projects in excess of \$5,000.00. A \$100.00 filing fee may apply.
12. Start-Up assistance, Commissioning, and or Field Work may be suspended if invoices are past due.
13. GTH may not be able to respond to Warranty calls if invoices are past due.
14. Unit Price Breakouts are provided as estimates only. Prices for Change Order Additions or Subtractions may vary, and require a separate quotation.
15. Returns, exchanges and/or cancellation may be subject to 25% fees.
16. On-site Training Terms: 50% at booking and 50% Net 30 days from the date of invoice. Please note a 50% fee will be assessed for cancellations made within 1 week of date of training.
17. Any Custom Order, or Special Order made to your unique specifications, must be accompanied by a written and signed Purchase Order, and cannot be cancelled once an acknowledgment has been issued. In addition, we cannot accept returns of Custom or Special Order items.
18. Warranty:

Components are warranted by the manufacturer to be free of defects in materials and workmanship and are inspected prior to shipment to insure that they comply with the manufacturer's stated specifications. Terms of the warranty are for a period of one (1) year from the date of shipment. Any component failing to meet specifications will be repaired or replaced, at our option, free of charge, provided the following conditions are met:

 - A. Notification of the nature of the defect is submitted within one (1) year of invoice date.
 - B. Authorization to return the defective component is received.
 - C. The component is returned freight charges prepaid to our Anaheim, CA. facility. The replacement component will be shipped freight allowed.

Correction of such defects by repair or replacement shall constitute the fulfillment of our obligations. We cannot be liable for consequential damages, direct or indirect, resulting from defect or delay. There is no provision for a labor allowance to cover the trouble-shooting, removal and reinstallation of any component that failed during the warranty period.

Under no circumstances will claims be honored for repairs or rework of components without prior written approval of the manufacturer. Components damaged from improper installation, handling, storage, or operation, are specifically excluded from the warranty. The above warranty will pass through to the end user from the manufacturer.

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George T. Hall Company

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August 8, 2013

James Jacklett
Carson City Utilities
Electrical Supervisor
3503 Butti Way
Carson City, NV 89701

Subject: Sole Source for PLC system modernization (Quill Water Treatment Facility)

Dear James,

The George T. Hall Company is the only Schneider Electric Authorized Solution Partner in Northern Nevada. You can verify this information at the following link:

<http://www.schneider-electric.us/sites/us/en/customers/system-integrator/alliance.page>

We are uniquely qualified to provide hardware and software development for the Modicon PLC product lines and have installed numerous systems throughout Nevada including many modernization projects requiring logic conversion.

The Schneider Electric Alliance program is a network of independent system integrators offering their customers the excellence of their local know-how and the best technological solutions from Schneider Electric.

We maintain a staff of trained technical personnel that are experts with the Schneider Electric hardware and software platforms.

Through the Schneider Electric Partner program we are required to maintain a software support agreement which provides our organization all of the latest software licenses and factory support including access to regional application engineer support (onsite) if ever required.

Regards,

Mike Howard
Senior Manager – System Integration



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