

ADDENDUM NO. 1

RFP NO: 87372

PROPOSALS DUE DATE: January 8, 2014

TIME: 4:00 PM

DEPARTMENT: Public Works – Waste Resources

PROJECT: Remote Monitoring Services for Cryogenic Oxygen Generation System

Answers to Questions

The answers to all questions received are attached.

(SIGNED) _____

COMPANY: _____

PLEASE SIGN ONE (1) COPY OF ADDENDUM AND RETURN TO THE PURCHASING DEPARTMENT. RETAIN THE OTHER COPY FOR YOUR FILES.

- 1) Q: In Article 1.0.B. CURRENT PRACTICES you state "A custom interface has been written to exchange data with the Moccasin Bend Wastewater Treatment Plant Staff." Will you provide that interface to the successful bidder or should we plan and budget to develop a new one?

A: The current system uses a redundant pair of C-more 12in. touch panels ([http://www.automationdirect.com/ad/Shopping/Catalog/Operator_Interfaces/C-more Touch Panels/C-more Touch Panels \(8 inch - 15 inch\)/EA7-T12C](http://www.automationdirect.com/ad/Shopping/Catalog/Operator_Interfaces/C-more_Touch_Panels/C-more_Touch_Panels_(8_inch_-_15_inch)/EA7-T12C)). These panels currently have a set of interface screens on them that the operators are comfortable with using. Each screen has a built-in Ethernet interface that allows remote access as well as serving the oit as a web site. Additionally, each screen has a usb thumb-drive attached to it that stores trends and logs, although no one currently maintains them and they might be full. The programming software for these screens is available at the automationdirect web site.

- 2) Q: Regarding the custom interface, does this refer to the software that would reside on our PC needed to communicate with the Moccasin Bend control system? Can you please provide information regarding the software package and protocols currently in use?

A: The controls for the O2 plant (including the PLCs and the OITs) are connected to an ip, Ethernet network. This network is connected in turn to our general SCADA network. The O2 components currently reside on a separate subnet than the rest of our SCADA. The O2 network is currently connected through a VPN router to a Sprint cellular modem that is connected to the Internet. Access to the C-more screens can be made through their web interface or by using the programming software through this connection.

- 3) Q: Does the interface in use allow the remote technician to make changes to control parameters for trouble shooting, tuning, etc.?

A: Historically, remote technicians have been able to connect and make changes over the current connection.

- 4) Q: Does the PLC as well as the interface provide the remote capability to create custom trends, i.e. displaying control parameters of specific interest on the same trend screen?

A: I believe that the C-more screens store data on their usb drives in a fashion that can be imported into a spreadsheet.

5) Q: Will the successful contractor be expected to maintain and trouble shoot the PLC software?

If yes:

- o Will you provide the contractor with copies of the PLC and HMI software?
- o Will you provide the contractor with a license for use of the PLC and HMI software?
- o Are the PLC and HMI programs accessible remotely via the existing interface?

A: The contractor has been expected in the past to maintain and troubleshoot PLC software problems while we have maintained the hardware. We have also, on occasion, made small changes to the PLC software but have made said changes in coordination with the contractor.

- The contractor can be provided with copies of the ladder logic and HMI interface.
- The contractor must provide their own licenses for Proficy – Machine Edition PLC and the C-more programming software.
- I believe that everything is accessible remotely, although I have not been given details of the VPN router settings by the previous contractor.

6) Q: In Article 1.1.B.1 you state that “Contractor will provide daily review of selected operating parameters...” Does this include weekends and holidays or just normal working days?

A: Weekends and holidays are included in the daily review. The plant is needed 24/7.

7) Q: Is it necessary to notify your operating staff each day before dialing in to your control system?

A: Call will be required only if remote tech. plans to make any operational changes. It should be noted that if the C-more screens are accessed as a web page then they will beep and change locally in response to remote actions.

8) Q: Do you store operating data in your SCADA system and, if so, how far back in time do you have the data?

A: Operating data is stored on the usb drives. The duration is dependent on the size of the drive used. Some operations data is also recorded by hand by the operator on duty.

9) Q: Can you please provide the rates being paid under the current contract?

A: The current blanket contract has 2 line items:

1. Field Service Assistance \$125 / hour
2. Services for remote monitoring of Oxygen Plant Operation \$3333.33 / month