

**Wastewater Treatment Plant SCADA  
Request for Proposals  
Niagara Falls Water Board**

**ADDENDUM NO.** 1

**DATE:** 4/26/19

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Include this Addendum as part of the Request for Proposals for the above project. It supplements portions of the original RFP, the extent of which shall remain, except as revised herein:

**General:**

Attached and included as part of this addendum is a copy of the meeting minutes and sign in sheet from the April 22, 2019 Pre-Proposal Meeting.

**BIDDER QUESTIONS**

**Question 1:** *Is the project Time and Material (T&M) or Fixed Price?*

Answer: Please refer to page 2 of the RFP for discussion of fee. Total cost shall be indicated but also be broken down by component and work elements, showing titles, estimated man-hours and billing rates to provide additional information. Therefore, cost should be provided as time and material, not to exceed, per task.

**Question 2:** *Is a copy of the existing iFix SCADA screens available to be used as a basis when developing new screens?*

Answer: Yes information on the existing iFix SCADA screens will be available to the SCADA Engineer to be used as a basis when developing new screens.

**Question 3:** *Are up to date drawings of existing systems available including I/O wiring schematics and P&IDs?*

Answer: No this will need to be developed by the SCADA Engineer while developing the SCADA buildout plan.

**Question 4:** *Will the capital project engineers provide completed P&IDs, and will instrument tagging be standardized?*

Answer: The SCADA Engineer is responsible for developing SCADA programming specification and instrument tagging standards.

**Question 5:** *Do you have an anticipated schedule for the capital projects?*

Answer: Not at this point, copies of the project schedules will be provided to the SCADA Engineer when it is available. The SCADA engineer will be working through initial upgrade tasks and SCADA Buildout Plan development while the Capital projects are in design.

**Question 6:** *The GHD report indicates there are 150 SCADA screens to convert but the scope of services indicates only 42?*

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Answer: Please assume 42 SCADA screens for the purposes of this proposal. Contractors shall provide a cost and hours breakdown for additional screens on a per screen basis.

**Question 7: Are the 6 new work stations stand-alone iFix applications or is there a Server/ Client based system?**

Answer: The new work stations will be connected to the existing plant server. At the time of the project there will be two existing SCADA computers, a terminal server and a Historian that will be upgraded by the SCADA Engineer. They should all be virtual machines on a stratus server with electronic keys.

**Question 8: Are additional iFix development and/ or runtime licenses needed?**

Answer: Required number of licenses is unknown at this time. Assume three runtime licenses and one development license for the overall total.

**Question 9: Is all PLC programming provided by SCADA Engineer or System supplier?**

Answer: Please refer to the task breakdown on pages 12, 13, and 14. The Capital project subcontractors are responsible for providing the hardware for their projects. The SCADA Engineer shall program the new panels per the SCADA standards and work with the subcontractor to test and integrate the equipment into the overall SCADA system.

**Question 10: Is all Panelview Plus programming provided by SCADA Engineer or System supplier?**

Answer: Please refer to the task breakdown on pages 12, 13, and 14. The Capital project subcontractors are responsible for providing the hardware for their projects. The SCADA Engineer shall program the new panels per the SCADA standards and work with the subcontractor to test and integrate the equipment into the overall SCADA system.

**Question 11: When the RFP indicated that the NFWB wants to standardize SCADA Hardware, what equipment does this include?**

Answer: This includes all internal panel hardware. Standardized panels will make it easier for NFWB to keep spare parts on hand for repairs.

**Question 12: Is the intent of NFWB to have a control system design specification developed that will be used by all Capital Project Engineers and the SCADA Engineer?**

Answer: Yes, the SCADA Engineer will be responsible for developing this standard.

**Question 13: Scope of Service section B.C.1 – Will the SCADA Engineer be allowed to bid on the panel builds and CSI support for the Capital Projects?**

Answer: Yes, the SCADA Engineer will be allowed to bid on the panel builds and CSI support for the Capital Projects.

**Question 14: Scope of Service section B.B.1&2 – Will the SCADA Engineer be providing final panel design or panel specification to be used by Capital Project Engineers?**

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Answer: Please refer to the task breakdown on pages 12, 13, and 14. The SCADA Engineer shall generate the specifications of the new PLC Panels required for each particular project and provide to Capital Project Engineers for review, approval, and use in preparing contract documents. Final panel design shall be developed by Electrical Contractor and Control System Integrator during construction.

**Question 15:** *The control panel specification, does this include wire numbering and instrument tagging standards.*

Answer: Yes, the control panel specification includes wire numbering and instrument tagging standards.

**Question 16:** *The example SCADA screens do not address issues with a color blind operator, is this something that needs to be addressed during the conversion?*

Answer: Yes, we will plan to discuss the details of this during development of the SCADA buildout plan.

**Question 17:** *Since you are converting the SCADA screen is there any interest in converting to the "High Performance HMI" model?*

Answer: Yes, we will plan to discuss the details of this during development of the SCADA buildout plan.

**Question 18:** *Is the NFWB iFix support current or will new licenses be required for existing systems to upgrade to the latest revision?*

Answer: Consultants should assume that new licenses will be required and that software shall be upgraded to newest version.

**Question 19:** *Please clarify the training requirements for the new system?*

Answer: Per the RFP page 14, the SCADA Engineer shall assume 40 hours of classroom and hands-on training in no less than 10 separate training sessions. This is approximately 4 hours per session.

**Question 20:** *Please clarify the extent of hardware/ software to be provided by the SCADA Engineer?*

Answer: The SCADA Engineer is responsible for providing and installing six new workstations and three large format HD display screens. Additionally, the software for updates to the existing system. Please also include an estimate for the tasks and materials associated with upgrades at the Gorge Pump Station (listed on page 12 9(a-e)).

**Question 21:** *Are their IO lists available for the other Capital Projects?*

Answer: The IO lists provided and IO lists for the additional projects will need to be finalized by the SCADA Engineer through coordination with NFBW staff and Capital Project Engineers.

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END OF ADDENDUM NO. 1



## **MEETING MINUTES (4-26-19)**

PROJECT: Wastewater Treatment Plant Upgrades  
SCADA Improvements  
Niagara Falls Water Board (Water Treatment Plant)  
5815 Buffalo Avenue, Niagara Falls, NY

CPL PROJECT NO.: 14143

DATE: April 22, 2019 at 10:00 a.m.

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\*(A copy of the meeting sign in sheet will be provided with the meeting minutes)

### **1. Introductions –**

- Introductions of meeting attendees, NFWB, and CPL staff. Discussed that all questions and clarification requests for this project be directed to Ted Donner (CPL) [tdonner@cplteam.com](mailto:tdonner@cplteam.com). Questions may be submitted until Wednesday May 1, 2019.

### **2. Review Project Intent and Scope of Work –**

- Conducted basic overview of the Scope of Work. Mr. Donner discussed that the overall goal of the SCADA Engineer is to be the central entity performing the existing system SCADA upgrades and integration of the Capital improvement projects. In the RFP, the SCADA Engineer shall demonstrate the capacity and experience required to manage a project of this scale.

### **3. Project Schedule –**

- The SCADA Engineers schedule will follow that of the Capital Projects and be revised periodically. Continued communication will be key to make sure that Capital Project Engineers and SCADA Engineer are on track to meeting the goals of the project.

### **4. Consultant Update Reports**

- The SCADA Engineer (as well as all Capital Improvement Consultants) will be asked to provide Bi-weekly status reports (via email). The reports shall include a minimum the following.
  - o Project # and name
  - o Report date range
  - o Activities since previous report
  - o Design development status
  - o Field work conducted during the date range including meetings and/or field work)



## Meeting Agenda

Wastewater Treatment Plant Upgrades

Niagara Falls Water Board

CPL Project No.14143

- Please also note any information requested waiting on from NFWB or other consultants.

### **5. MWBE Utilization**

- The SCADA Engineer shall make a good faith effort to utilize M/WBE and SDVOB at the percentages listed in the RFP. Please refer to forms and details attached to the RFP. Full or partial waivers will not be accepted without proper documentation of the good faith effort.

Niagara Falls Water Board  
 SCADA Improvements  
 Pre-Proposal Meeting Sign-in sheet  
 April 22, 2019 - 10:00 am

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