



**REPORT TO CORE AREA WASTEWATER TREATMENT PROGRAM COMMISSION
MEETING OF THURSDAY, MAY 30, 2013**

SUBJECT **REQUEST FOR PROPOSAL NO. MC-007 MCLOUGHLIN POINT
WASTEWATER TREATMENT PLANT – CONTROL SYSTEM HARDWARE**

ISSUE

To ensure integration with existing Capital Regional District (CRD) software, pre-selection of the control system hardware is necessary

BACKGROUND

As part of the Core Area Wastewater Treatment Program (Program) implementation, the CRD is in the process of developing a Supervisory Control and Data Acquisition (SCADA) Master Plan to establish an automation plan for an integrated system that includes the new facilities and upgrades associated with the Program as well as existing CRD facilities.

The CRD currently uses SCADA Pak (Schneider) for many of their existing wastewater facilities.

Given the variety of ways that a control system can be deployed it can quickly become unmanageable and unmaintainable if a high level of standardization is not implemented. On this basis, the CRD developed a procurement process to select the Control System Hardware for the McLoughlin Point wastewater treatment plant (WTP)

The CRD issued a Request for Proposal (RFP) for the Control System Hardware on March 15, 2013. The CRD received four submissions on the closing date of April 16, 2013 from Rockwell Automation, Schneider Canada, Siemens Canada and Spartan Controls.

The CRD evaluation committee included; Malcolm Cowley from the Program Management Office, Marty Venoit and Greg McKay from CRD operations and John Netzel and Jonathan Fitzpatrick from Stantec. The evaluation process included a technical score for the supplier's proposed hardware and software submittal for best fit, technical and service capability and the proposed set price to determine the best hardware package(s).

Spartan Controls proposed a network architecture that was different than what was specified in the RFP requirements which raised hardware redundancy concerns. As well, they had the highest price of the four at \$345,537 (net taxes). Therefore, Spartan Controls was eliminated from further consideration.

The CRD requested that Rockwell Automation, Schneider Canada and Siemens Canada present their product to demonstrate integration between their product and CRD's existing software, and to demonstrate the level of support being offered.

Rockwell Automation met the requirements by demonstrating good integration with CRD's existing software and they demonstrated the best support level. Rockwell's total price was

\$318,646, and they have committed to providing a design engineer, at no additional cost, during the implementation period to assist with the training of CRD staff.

Schneider Canada met the requirements by demonstrating good integration with CRD's existing software and they had the lowest total price of \$292,013.

Both Rockwell Automation and Schneider Canada were deemed by the evaluation committee to have met all of the requirements set out in the RFP. Both suppliers have provided a fixed price list on all hardware and software components over a five-year term (with an annual inflation allowance).

ALTERNATIVES

That the Core Area Wastewater Treatment Program Commission;

1. Approve Rockwell Automation and Schneider Canada as the preferred the control system hardware suppliers to be included in the McLoughlin Wastewater Treatment Plant Project Request for Proposal.
2. Approve Schneider Canada as the preferred the control system hardware supplier to be included in the McLoughlin Wastewater Treatment Plant Project Request for Proposal.
3. Approve Rockwell Automation as the preferred the control system hardware supplier to be included in the McLoughlin Wastewater Treatment Plant Project Request for Proposal.

IMPLICATIONS

Selecting the two suppliers for the McLoughlin Point WTP RFP will maintain a competitive process for the selection of control system hardware. Furthermore, the process equipment suppliers may have different hardware preferences which could also result in more competitive pricing for other equipment if two hardware suppliers are available to choose from.

If Rockwell Automation ends up being the best value choice for the McLoughlin Point WWTP, they have committed to providing the necessary training over the two year performance period to ensure that CRD staff will be able to operate and maintain the system.

CONCLUSION

The Program Management Office has arranged and completed a comprehensive procurement and evaluation process to select the preferred suppliers of the control system hardware for the McLoughlin Point WTP. The two selected suppliers were both deemed to have met all of the requirements set out in the RFP. Selecting the two suppliers for the McLoughlin WTP RFP will maintain a competitive process for the selection of the control system hardware.

RECOMMENDATION

That the Core Area Wastewater Treatment Program Commission approve Rockwell Automation and Schneider Canada as the preferred the control system hardware suppliers to be included in the McLoughlin Wastewater Treatment Plant Project Request for Proposal.

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