

## RFP 16-22061 Q & A Round 2

Q1 (translated from French): I would like to draw your attention to point 2.9 (A., B., E., and F.) of the document entitled Statement of Requirements.

It indicates that the information posted must include the work order history, the open work orders, the priority of work orders and the incidents associated with operation and maintenance that have occurred in the building.

Point 2.10 of the same document asks that the proposed solution include measures for ensuring that performance is monitored and followed up on for operation and maintenance service providers, in relation to:

- Recording all work orders / recommendations issued
- Data on work orders, including date and time stamping both the receipt and execution of service requests.
- The frequency of service requests, the time frame for providing acknowledgements of receipt and the time frame for providing the service.

Although our team is capable of proposing a comprehensive solution from an energy standpoint, the elements addressed by these points relate more to operation and maintenance software and should, in our opinion, be managed by using an appropriate maintenance software. In fact, the system that we hope to propose cannot record the operations conducted by operation and maintenance teams on its own without manual entry. Could you please clarify your expectations with regard to work orders and service requests in the ideal solution, as related to the goal of improving energy performance?

A1: The function of Building Maintenance Service Performance Monitoring is required as stated in 2.10. Please note that these requirements are related **only** to work orders generated by the analytics system.

Q2 (translated from French): In terms of energy management, two possibilities are foreseeable: it is possible to envision a more global vision, allowing energy management for the entire site (the building) without itemizing its components, or a more detailed vision, focused more at the equipment level. This second option would obviously require the addition of several sub-meters (if not already present) and additional points of control to be able to gather and log information on a specific piece of equipment's operation and consumption. A significant cost difference can be observed between the two types of solutions. We would therefore like to know more about your preferred strategy and the degree of detail you would like in this regard.

A2: Energy management is at the building level, but energy saving (opportunity) calculations should be at the equipment level.

Q3: could you please give us the appropriate contacts to get the cost estimation for the energy meter as per below:

## **2.4 Energy Metering Data Collection**

The Bidder shall provide a solution to capture and analyze energy meter data on a real-time basis. The energy meter data shall include all of the following (if present in the building): electrical power, natural gas, steam, hot water, and chilled water. This real time energy consumption data shall be stored, analyzed, trended and presented in easily understandable real-time dashboards accessible to PSPC stakeholders. The energy metering data collection shall be at an interval of 15 minutes or less.

If such energy meter data are available through a database owned by PSPC (for the buildings connected to Confederation Heights and Cliff Central Heating and Cooling Plants), the Bidder needs to consider the cost for connection to this database. Otherwise, the Bidder shall arrange integration of energy meters to the BAS and include the integration cost in the total pricing. NRC and PSPC shall provide the appropriate contacts to get cost estimation for such energy meters integration during the RFP response phase.

A3: Assume \$10K for energy meters integration as a separate cost item.

### **Jean Talon Bldg. Specific:**

Q4: What is the make, version and model number for the Delta Control system on the in this Building?

A4: The Energy Audit documents are the only information source during the bidding process.

Q5: Is this Delta Control system currently able to communicate BACNET over I.P?

A5: The Energy Audit documents are the only information source during the bidding process.

Q6: Is integrating to the stand alone GE lighting panel within the scope of this RFP?

A6: Integration with lighting panel is not within the scope of this RFP.

### **Jean Mance Bldg. Specific:**

Q7: What is the make, version and model number for the Andover Controls system in this Building?

A7: The Energy Audit documents are the only information source during the bidding process.

Q8: Is this Andover brand control system currently able to communicate BACNET over I.P?

A8: The Energy Audit documents are the only information source during the bidding process.

**Specific to both buildings:**

Q9: Can you provide the number of BACNET points available for both systems?

A9: The Energy Audit documents are the only information source during the bidding process.

Q10: Can you provide an exported copy of the BacNET points from the BAS system to show which points are available on each of the two systems?

A10: The Energy Audit documents are the only information source during the bidding process.

Q11: In the RFP section 2.7 USER INTERFACE: Is adobe flash player included as part of the standard software on the GFE workstations?

A11: It is at this time, but it is discouraged to use it in your proposed solution