



757-2018 ADDENDUM 2

NEWPCC BOILER CONTROL DESIGN AND REPLACEMENT

URGENT

**PLEASE FORWARD THIS DOCUMENT TO
WHOEVER IS IN POSSESSION OF THE
REQUEST FOR PROPOSAL**

ISSUED: January 14, 2019
BY: Matt Gillies
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**THIS ADDENDUM SHALL BE INCORPORATED
INTO THE REQUEST FOR PROPOSAL AND
SHALL FORM A PART OF THE CONTRACT
DOCUMENTS**

Template Version: Ar20160708

Please note the following and attached changes, corrections, additions, deletions, information and/or instructions in connection with the Request for Proposal, and be governed accordingly. Failure to acknowledge receipt of this Addendum in Paragraph 9 of Form A: Proposal may render your Proposal non-responsive.

QUESTIONS AND ANSWERS

The following clarifications/answers have been provided to questions from Bidders:

Question 1:

Could you please provide I/O counts for each Boiler control system

Answer 1:

See E7.3

Question 2:

Do you have the Technical operating narrative (TON) from the Boiler manufacture?

Answer 2:

Boiler information documents available have been included with the RFP. See E11.1

Question 3:

Do you have to comply to CSA 149.3 / IEC 61511 standards for this project?

Answer 3:

See E5.1

Question 4:

Do you need SIL rated safety PLC like the Modicon M580 Safety for your project or our general purpose PLCs Modicon M340 / M580 is acceptable.

Answer 4:

The successful proponent must evaluate the current system, and determine what standards must be adhered to in order for the City to operate our boilers to the satisfaction of the AHJ.

Question 5:

Will you be following the Electrical Design Guide for Automation controller and HMI?

Answer 5:

Individual boiler control panels will have integral proprietary management systems that shall integrate into the overall system. The guidelines are provided to convey general automation guidance, but are secondary to the design of new control panels that provide safe and reliable operation of the City's boilers. The design guide (or any aspect of it) is not to be used if it is in contradiction to the requirements of the AHJ.

Question 6:

We assume that each PLC will be in separate cabinet. Is cabinet going to be inside the control room or outside?

Answer 6:

See E4.3(f) and E8.10

Question 7:

Do you need any redundancy for PLCs i.e processor, comm, I/O, power supply etc.

Answer 7:

The successful proponent must evaluate the current system, and determine what redundancy must be adhered to in order for the City to operate the boilers reliably and safely to the satisfaction of the AHJ.

Question 8:

Do we need to consider any modification in existing DCS?

Answer 8:

The successful proponent must evaluate the boiler's connection to the DCS, and strive to minimize any changes to the DCS subject to the satisfaction of the AHJ and the City. The successful proponent will be responsible for coordinating and assisting in the control panel communication via the newly installed fiber optic line.