

**IFB VA701-17-R-0033 – Albany CHP Plant TECHNICAL QUESTIONS AND VA RESPONSE TRACKING SHEET**

<b>ITEM NO.</b>	<b>DATE QUESTION RECEIVED</b>	<b>DATE QUESTION ANSWERED</b>	<b>QUESTION</b>	<b>GOVERNMENT RESPONSE</b>
1.	3/27/2017	3/29/2017	What is the process and timeframe for answering RFI questions?	The VA response time for RFIs during construction is 14 calendar days. The clock starts the day after the request is received. The VA will try to response to RFIs quicker than this time period if possible.
2.	3/27/2017	3/29/2017	What is the process and timeframe for answering submittal questions?	The VA response time for submittals during construction is 14 calendar days. The clock starts the day after the request is received. The VA will try to response to submittals quicker than this time period if possible.
3.	3/27/2017	3/29/2017	What is the process when a contractor has an EMR greater than 1.0?	As a contractor submitting a proposal, you must follow the instructions identified in the Proposal Requirements in the Solicitation. If everything has been submitted as required in the instruction, it then becomes a judgement call on the part of the TEB/CO as they make their decision and subsequent Responsibility Determination. Simply having an EMR above 1.0 does not eliminate a contractor from selection. The board would review all aspects of the EMR; what was the situation, how does it effect this project, is there a get well date, does the issue pose any further risk for the VA? This would also be an aspect of the selection process that would be specifically identified for our legal team to review.

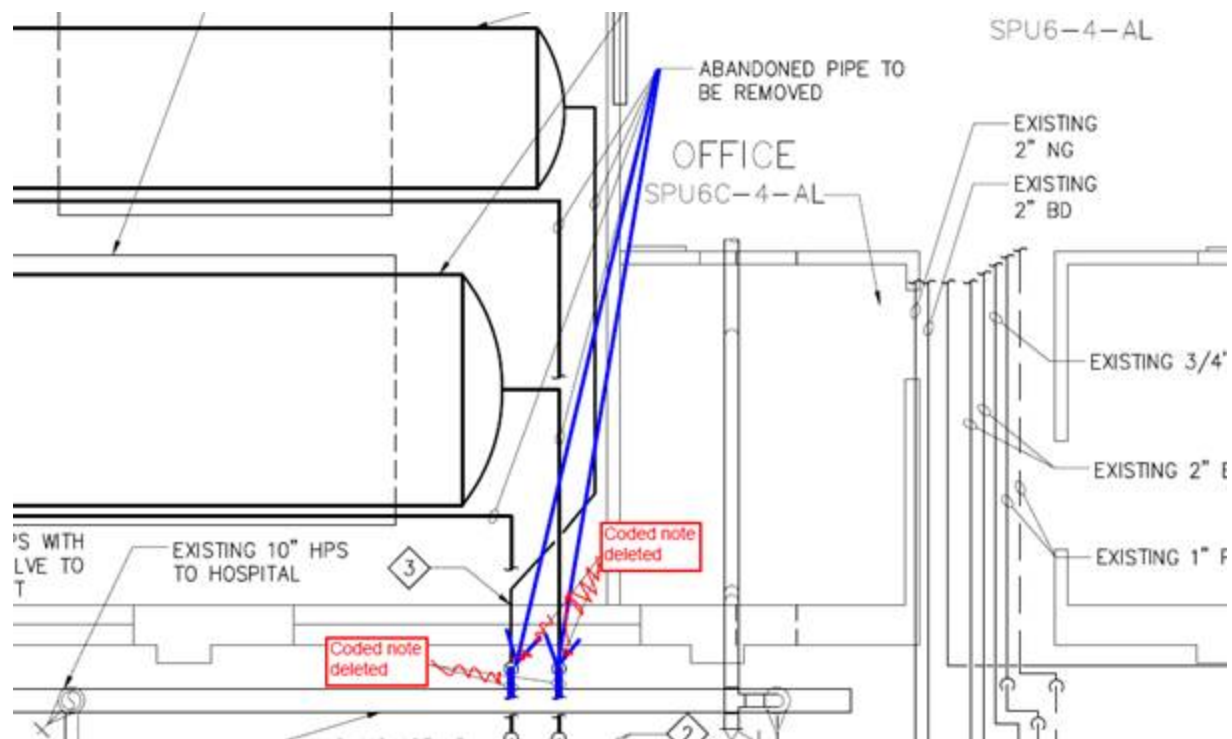
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4.	3/30/2017	3/30/2017	May Request for Information inquiries be used to request deviations from specification or drawing requirements?	No. Request for deviation from specification or drawing contract requirements, to be known as a "Contract Deviation Request", must be submitted in writing to the Contracting Officer thru the Contracting Officers Representative (COR), be uniquely numbered to the project, and provide a written defined benefit to the VA to justify deviation from the contract requirements. Any savings to the contractor must be identified in the deviation request and submitted as a credit to the government with the delay. Requests to Deviate from contract requirements shall not constitute justification for a contract time extension, or delay, if either approved or denied by the VA.
5.	3/30/2017	4/11/2017	Does the contract require the contractor to leave the Urea tank full after testing and commissioning? If no, should it?	Yes, the tank should be full after completion of testing and commissioning and prior to full acceptance.
6.	3/30/2017	4/11/2017	Does the contract require the contractor to provide engine fluid and filter changes after testing and commissioning if the engine manufacturer requires such change outs after initial break-in? If no, should it?	The Cogen system will be supplied with the internal circuit full of fluids, oil, water etc. by the Cogen vendor. Engine oil and oil filter(s) to be changed prior to final acceptance, or sooner, if required.
7.	4/3/2017	4/11/2017	On drawing M-1 there are two diamond note #2's indicating where existing abandoned piping is to remain in place. What is the meaning of the second note #2- the one between notes number 1 and 3 is asking for. It almost implies 2 of the 4 pipe may possibly be abandoned in place?	On MD-101, the Note 1 and the Note 2 depicting the piping between the exterior wall and the steam header are to be deleted. The piping that was depicted by the Note 2 shall be "bold" lineweight to indicate it is to be removed. The Note 1 and Note 2 between the steam header and the 6" steam line shall remain. See sketch below for clarification.

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8.	4/3/2017	4/11/2017	Spec section 23 09 11 has a products section that calls for items such as gages, meters, etc and they are for the most part shown within the dotted line of the cogen unit on drawing M-401. Are these items being supplied and pre-installed by the cogen unit mfg within their enclosure such that there would be no piping/installation work required from your mechanical sub? If so it appears the mech sub would have the install of thermal well outlets on existing 10" piping for T-1 and T-2; install of natural gas flow meter, assumed supplied by bms contractor for install by mech sub, and the misc minor piping "specialties", ie check valves, flex connectors, etc shown on M-401 and SKM-01. Is that correct?	Gas meter, BTU meter and electric meter (NYSERDA compliant) will be built into the Cogen package by the Cogen vendor. Commissioning of these meters will be carried out by the Cogen vendor during start-up of the Cogen system. Anything shown outside the Cogen acoustic enclosure, as depicted by the dotted line, will be supplied by the mechanical/electrical contractor(s).
9.	4/3/2017	4/11/2017	Eastern identified themselves at the pre-bid as the existing on site controls contractor. Please confirm.	Automated Logic is the hospital's HVAC control system. Eastern Heating & Cooling has been the contractor performing work on this control system and it is believed they are the Automated Logic Control system vendor in this geographical area.
10.	4/3/2017	4/11/2017	Will the heat trim pump and intercooler pumps for the two dump radiators and the secondary loop pump be supplied and pre-installed within the cogen unit so there will be no work for your mech sub associated with these?	Heat trim pump and intercooler pump will be supplied in the package by the Cogen vendor and will be pre-installed in the Cogen package.
11.	4/3/2017	4/11/2017	There is a testing and balancing section within our scope concerning water flows- but no flow meters( except for apparent combo flow/btu meter on secondary loop piping) or combination flow control valves shown on the internal piping drawings that could be used for flow registering and balancing of these loops. Advise if mfg has them included (generally specialties are specified in spec section 23 21 13 pages 7- 12 roughly)?	These are specified and shown to be provided with the CHP, per specification 481123 and M-401.

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12.	4/3/2017	4/11/2017	The dump radiator appear to receive 50/50 water/propylene glycol fill. Advise what the fluid capacity of the dry cooler and internal cogen piping and heat exchangers, etc are roughly so we can make the necessary capacity allowance adjustments/piping supplements for these systems?	It is estimated that each dry fluid cooler holds 60 gallons, but coordinate with the equipment vendor for exact glycol capacities of the dry fluid coolers.
13.	4/3/2017	4/11/2017	Please verify that spec section 23 21 13, page 17 water treatment is not applicable to this project.	Water treatment outlined in 232113 is not applicable since this is an extension of the current hydronic system. All system filling activities shall be coordinated with the COR to ensure current chemical treatment system and levels are maintained.
14.	4/3/2017	4/11/2017	Can you also confirm that flexible connectors are only required at the piping connections to the dump radiators per SKM-01 and are not needed where any piping system connects to the actual cogen unit? Drawings don't apparently show any at the unit connection points.	Reference M-101, General Note 5.
15.	4/3/2017	4/11/2017	Can you advise- what is process to test the urea tank piping? Can we test with water and then drain upon successful test outcome? Will vendor supply and fill urea tank and associated piping once we successfully pass pressure test.	Contractor may test with water. Urea piping and tank shall be full upon completion of commissioning and testing.
16.	4/3/2017	4/11/2017	Where does the integration between the existing Automated Logic and the CHP happen? Print E-101 coded note 14 shows a Power Modulating/Protection Control Panel being installed in the CP Office right next to the existing Automated Logic HVAC panel (coded note 23). Is this where the Automated Logic system will connect/communicate/integrate to the CHP system?	Consult with CHP manufacturer for connection point.

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17.	4/3/2017	4/11/2017	<p>After reviewing print M-502, section 230911, 230923, and 230993 I am struggling to determine exactly what DDC points will be “hardwired” points back to the Automated Logic System. Print M-502 clearly indicated temperature sensor T-1, T-2, and flow-meter F-1 are hardwired points required.</p> <ul style="list-style-type: none"> <li>Is this M-502 hardwired point list complete? Are there other definite “hardwired points” required? (230993 3.2.B.1.b mentions a T-5 but I don’t see it on prints) If M-502 is an incomplete list, please list the remainder “hardwired points” that are required to go back to the Automated Logic system and their location please.</li> <li>230923 2.4.C.2 indicates Electrical, Gas, BTU meter reports? Are these meters part of the CHP system and does the Automated Logic DDC System get this info via integration to the CHP?</li> </ul>	<p>Refer to specification 230923, paragraph 2.4. Also, the Cogen system will be supplied with integrated electric, gas and BTU meters, wired back to the Cogen control system, including an electric generation meter and parasitic electric load meter. All inputs and outputs within the CHP, depicted by the dotted line, are available from the Cogen control system to link to the BAS. The BAS (Automated Logic) shall include a graphic of the CHP system similar to the flow diagram shown on M-401 showing all inputs and outputs depicted on M-401, the BTU meter, and electric meters for electrical production and electric consumed by the parasitic loads to calculate net power produced. The BAS shall also include the hardwired points on the schedule on M-502.</p> <p>230993, 3.2B – The reference to “T-5” in paragraph 3.2B of 230923 should be changed to read “T-1”. Also, in electric following the CHP controls will ensure the return water temperature to the engine is no greater than 176F. The dry fluid coolers will activate as the temperature starts to exceed 176F or when T-1 is greater than its setpoint. The CHP controls shall also allow for electrical following mode, which is internal to the CHP control system, but commanded by the BMS as a discrete point (4-20ma or 0-10vdc).</p>

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18.	4/6/2017	4//6/2017	The solicitation contains Amendments and Addendums. This is confusing. Can the VA clarify the difference between the two?	The Amendments that are posted are directly to the solicitation that was posted, and are how information is posted to FBO. Addendums are revisions and updates specifically to the Drawings and Specifications. So far we have posted two such Addendums, including one that was posted with the original solicitation.
19.	4/6/2017	4/6/2017	What is the NYSERDA incentive amount, who completes the application, which party receives the incentive, what are the requirements to receive the incentive, and what is the payout schedule?	See Attachment 8 - Albany CHP Incentive Approach - 04-06-2017, which has been included in Amendment A00002.
20.	4/6/2017	4/7/2017	Does the NYSERDA incentive amount need to be included in the Division Pricing required in Section C5 (B) of Attachment 1 – Section 00 11 21 RFP Spec – 3-10-2017?	Yes, please include the total amount of the NYSERDA incentive the VA will receive for the CHP equipment. For example, \$1,042,210 minus contractor and vendor administrative fees.
21.	4/6/2017	4/7/2017	Can the contractor mobilize on-site immediately after issuance of notice to proceed?	No, the VA shall receive and approve the CHP equipment submittal package prior to on-site mobilization by the contractor.
22.	4/11/2017	4/12/2017	There is an ER1000MF listed in the NYSERDA PON2568 catalog, but not an ER1005F. Should we consider the ER1000MF?	No. The primary difference is the prime mover engine model. The ER1005F is currently in the process of being added to the catalog by NYSERDA and should be finalized in a couple weeks. Consider the ER1005F to be available prior to award date. Change the Reciprocating Gas Engine Schedule on M-501 to reflect ER1005F.



Partial revised sketch of drawing MD-101 for clarifying answer to RFI question 7

