

36E77618R0104 MODERNIZE EXISTING CHILLERS – IOWA CITY TECHNICAL QUESTIONS AND VA RESPONSE TRACKING SHEET

| ITEM NO. | DATE QUESTION RECEIVED | DATE QUESTION ANSWERED | QUESTION | GOVERNMENT RESPONSE |
|----------|------------------------|------------------------|--|--|
| 1. | 9-12-18 | 9-26-18 | <p>The following specification sections are listed in section "00 01 10 – Table of Contents", but were not provided in the document, "36E77618R0104 ATTACHMENT 2 - Final Specs - Chillers - 08-14-2018.pdf":</p> <ul style="list-style-type: none"> 00 01 15 – List of Drawing sheets 22 08 00 – Commissioning of Plumbing Systems 23 25 00 – HVAC Water Treatment 26 05 13 – Medium-Voltage Cables 26 05 41 – Underground Electrical Construction 26 08 00 – Commissioning of Electrical Systems 26 11 16 – Secondary Unit Substations 26 13 13 – Medium-Voltage Circuit Breaker Switchgear 26 13 16 – Medium Voltage Fusible Interrupter Switches 26 20 11 – Isolated Power Systems 26 22 00 – Low-Voltage Transformers 26 23 00 – Low-Voltage Switchgear 26 23 13 – Generator Paralleling Controls 26 24 16 – Panelboards 26 24 19 – Motor Control Centers 26 25 11 – Busways 26 27 26 – Wiring Devices 26 29 11 – Motor Controllers 26 29 21 – Enclosed Switches and Circuit Breakers <p>Please provide the missing spec sections if they are a requirement of this solicitation.</p> | <p>a.) The drawing list is located on the drawings only. See sheet 7-MT.1</p> <p>b.) The spec sections referenced in this item are not part of the contract and were not included in the specifications.</p> |

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| 2. | 9-12-18 | 9-26-18 | <p>Specification section “09 67 23.60 – Resinous Urethane and Epoxy Mortar Flooring”, “22 13 29 – Sanitary Sewerage Pumps”, and “25 10 10 – Advanced Utility Metering System,” were provided in the “36E77618R0104 ATTACHMENT 2 - Final Specs - Chillers - 08-14-2018.pdf” document but were NOT listed in spec section “00 01 10 – Table of Contents”. Please confirm that “09 67 23.60 – Resinous Urethane and Epoxy Mortar Flooring”, “22 13 29 – Sanitary Sewerage Pumps”, and “25 10 10 – Advanced Utility Metering System”, are a requirement of this solicitation.</p> | <p>a.) The spec sections listed are ALL a requirement of this solicitation.</p> |
| 3. | 9-12-18 | 9-26-18 | <p>The following plan pages were listed on the sheet index but were not provided in the document, “36E77618R0104 ATTACHMENT 3 - Drawings - Modernize Existing Chillers - 05-11-2018.pdf”:</p> <ul style="list-style-type: none"> 7-E1.0 Electrical Legends and Notes 7-ED.1 – Electrical Demolition Plan 7-ED.2 – One Line Diagram Demolition Plan 7-E1.1 – New Electrical Plan 7-E1.2 – New One Line Diagram 7-E2.1 – Electrical Details <p>Please provide the missing plan pages listed on the sheet index.</p> | <p>a.) The electrical drawings have since been issued. Reference amendment 0001, which was posted on 9/17/18.</p> |

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| 4. | 9-17-18 | 9-26-18 | <p>We received the above project but are missing several sections listed in the table of contents:</p> <p>01 74 19 22 08 00 23 25 00 26 05 13 26 05 41 26 08 00 26 11 16 26 13 13 26 13 16 26 20 11 26 22 00 26 23 00 26 24 16 26 24 19 26 25 11 26 27 26 26 29 11 26 29 21</p> | <p>These specification sections are not part of this project.</p> |
| 5. | 9-17-18 | 9-17-18 | <p>Is there an approved alternate for the following pumps found on drawing sheet 7-M3.1:</p> <p>7-P-1 7-P-14 7-P-15 7-P-16</p> | <p>Refer to sheet 7-M3.2, Fluid Pump Schedule - CHANGE the pump selections to the following: Pumps 7-P-1, 7-P-14, 7-P-15 and 7-P-16 shall be equal to Armstrong model 4300, 10x10x13, 2000 GPM @ 40 ft. hd., 11,58" impeller, 79.2% efficiency, 1200 RPM, 30 HP, 460V-3PH. Pumps shall be non-overloading along the entire curve.</p> |

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| 6. | 9-18-18 | 9-26-18 | <p>The following electrical spec sections are missing:</p> <p>26 24 16 – Panelboards 05-14 26 24 19 – Motor Control Centers 08-14 26 25 11 – Busways 01-17 26 27 26 – Wiring Devices 01-16 26 29 11 – Motor Controllers 08-14 26 29 21 – Enclosed Switches & Circuit Breakers 01-17</p> <p>Please advise.</p> | <p>These specification sections are not part of this project.</p> |
| 7. | 9-18-18 | 9-26-18 | <p>There are no conduit or wire sizes shown on drawings. Are we supposed to base conduit and wire size by feeder breaker?</p> | <p>Reference attached Updated Riser Diagram Sheet 7-E1.2. Posted with amendment 0002.</p> |
| 8. | 9-18-18 | 9-26-18 | <p>There is no new primary HV switch sown before the new transformer, existing transformer has one, is this correct?</p> | <p>Yes, the primary overcurrent device is located in the penthouse above.</p> |
| 9. | 9-19-18 | 9-24-18 | <p>Reference solicitation page 12 of 56, paragraph D.a.1., bullets 1 & 3: The first bullet says to “Provide the Project Title and Description” and the third bullet says to “Provide a description of the scope of work.” We are clear about what you want for the third bullet, but we are unclear about what we are to provide for the first bullet. Can you please clarify your expectations for the “description” in the first bullet?</p> | <p>Project title and description refers to projects that your company has completed in the past, which are similar in size, scope, and complexity to this RFP.</p> <p>EXAMPLE: this project is titled “Modernize Existing Chillers”.</p> |

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| 10. | 9-19-18 | 9-24-18 | Reference solicitation page 16 of 56, paragraph 2.15, FAR 52.209-13. This FAR reference certification that is not included in the Representations & Certifications section. Do you want us to include that completed FAR clause as a part of the Reps & Certs? | Yes, it may be included as a part of the Reps & Certs. |
| 11. | 9-20-18 | 9-26-18 | Reference solicitation page 13 of 56, paragraph 3. "Volume I, Element 3, Key Personnel Experience." We are told to provide résumés for the Project Manager, On-Site Superintendent, and designated Competent Person/Safety Point of Contact. As a cost-saving measure to the VA, if a single individual is fully qualified for both positions, may we use that person to fulfill the roles of On-Site Superintendent and Competent Person/Safety Point of Contact? | Yes, a single individual can fulfill the roles of On-Site Superintendent and Competent Person/Safety Point of Contact. |
| 12. | 9-21-18 | 9-26-18 | We cannot find a specification on the side stream filter. Can you please provide one? | Reference attachment titled "Side Stream Filter Specifications". Posted with amendment 0002. |
| 13. | 9-21-18 | 9-26-18 | I think the side stream filter is undersized talking to several vendors, we think it should be a 10 HP unit instead of a 7.5 HP unit. Can you please evaluate this? | Bid as scheduled with a 7.5 HP pump motor. |
| 14. | 9-10-18 | 9-24-18 | Tennant Company Products is requesting a product substitution for the Seamless Resinous/Epoxy Flooring. | Reference attachment titled "Approved Epoxy Floor Coating Substitution Request". Posted with amendment 0002. |

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| 15. | 9-18-18 | 9-24-18 | <p>We would like to request that the following manufacturer(s) be named as ‘or equal’ for bidding purposes on those items listed below being proposed for the subject project.</p> <ul style="list-style-type: none"> · Spec. Section 23 64 00 Packaged Water Chillers: Daikin Magnitude – Magnetic Bearing Centrifugal Chiller WME. · Spec. Section 23 64 00 Packaged Water Chillers: Daikin Centrifugal Chiller WSC/WDC. | <p>The A&E ATIGROUP has confirmed that Daikin chillers can be listed as an approved alternate. Reference attached zip file titled “Approved Daikin Substitution Request” Posted with amendment 0002.</p> |
| 16. | 9-24-18 | 9-26-18 | <p>23 64 00 – 1.6 – paragraph C calls for efficiency ratings WITHOUT tolerance. Unit used in design included tolerances. Do we need to hit efficiency numbers on schedule WITHOUT tolerance? Or change spec to industry standard tolerances as unit in basis of design has.</p> | <p>Match efficiencies and tolerances of the “basis of design” chiller.</p> |
| 17. | 9-24-18 | 9-26-18 | <p>23 64 00 – 2.1 – paragraph E does not list sound performance. Will there be a sound requirement for this project?</p> | <p>Match sound performance of the “basis of design” chiller.</p> |
| 18. | 9-24-18 | 9-26-18 | <p>23 64 00 – 2.1 - Paragraphs J and K call for design working pressure of 300 psig. The working pressure of the evaporator and condenser of the machine used for basis of design is 225 psig. Is 225 psig acceptable?</p> | <p>Yes, 225 psig working pressure is acceptable.</p> |

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| 19. | 9-24-18 | 9-26-18 | 23 64 00 – 2.1 – Paragraph D calls for efficiency complying with FEMP. Assume that efficiencies listed on schedule pages meet this requirement? If not, please forward requirements as we are not aware of this standard. | Match efficiency listed on the chiller schedule. |
| 20. | 9-24-18 | 9-26-18 | In the chiller schedule on drawing 7-M3.2 the VA identifies two chiller options. Magnetic-Bearing Centrifugal Chillers and Standard Centrifugal Chillers. Does the VA have a preference as to which one is used and which one should be included in our pricing? | The VA requirement is for Magnetic Bearing Centrifugal Chillers CH-1 and CH-2 as identified in the chiller schedule contained in drawing 7-M3.2. Offerors shall supply pricing and manufacturer/model for Magnetic Bearing Centrifugal Chillers CH-1 and CH-2, in accordance with the Volume II Price Proposal Requirements contained in section E (pgs.13 & 14) of the solicitation. |
| 21. | 9-25-18 | | We are looking at the specs and see section 09 67 23 for resinous urethane and epoxy mortar flooring, however, cannot find the finish schedule to determine square footage for this resinous urethane and epoxy mortar flooring. Could you please evaluate this? | The floor area to receive this coating is 5000 sq. ft. |
| 22. | 9-27-18 | | I am looking to bid the Div 26 portion of the IC VA Chiller project but I cannot find the spec section for the VFD's and it appears there is a portion of the Div 26 spec missing when compared to the Table of Contents. Would you know where I can find this information or will it be released via addendum soon? | Reference attachment titled "Variable Frequency Motor Controllers 26 29 23". Posted with amendment 0005. |

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| 23. | 10-9-18 | | I have found out that the electrical gear on the project is 16 to 18 weeks out from approval subject to factory loading. This is from four electrical subs. This is Square D gear that is existing and going back tying to their power logic system. This job cannot be done this spring. It would have to be pushed to next fall to do the work. | <p>Project will be awarded and staged in two phases.</p> <ol style="list-style-type: none"> 1) Phase 1- Submittal process and procurement of equipment. 2) Upon fall shutdown 2019 begins construction phase <p>Bidders to price accordingly.</p> <p>Reference attachments titled "Pricing Schedule - Modernize Existing Chillers - UPDATED - 10-12-2018" and "ATTACHMENT 1 - UPDATED - SOW - Modernize Existing Chillers 10-12-2018". Posted with amendment 0005.</p> |
| 24. | 10-9-18 | | Spec section 251010, Advance Metering. It's not listed in table of contents and I need to know what it is. The VA has advance metering on the High Voltage switchgear, but we are not touching it. SQD has included Power Logic meter in main switchboard to match the existing hospital metering system. I don't know if this section is referring to the Power Logic that is shown on drawings. | We are only installing Power Logic metering on the new switchboard as shown. No Advance Metering |
| 25. | 10-9-18 | | On Sheet 7-E1-2, wiring for Panels MCC 95-1 Right and Left and Panels MMC 95-2 Right and Left shows 3- 500 MCM and 3/0 ground. Panels have a neutral and need 4-500MCM and 3/0 ground. | Proceed with the (4) 500 KCMIL and 3/0 Ground in lieu of the (3) 500 KCMIL and 3/0 Ground. |

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| 26. | 10-9-18 | | They are showing us removing conduits and wire from XFMR to ATs to Gear. It would be more cost efficient to leave the 9 sets of 4 inch pipe and extend to new transformer and new switchboard. And pull in 4- 750 MCM and 4/0 ground. That is wire size currently installed. You could even just install junction box at the buss tap switches where pipe and wire change to buss. And extend existing wiring to new locations. | Provide new wire and conduit as indicated on the documents. Voluntary alternates may be reviewed after bidding. |
| 27. | 10-9-18 | | They are showing us removing conduit and wire to chillers from switchgear. It would be more cost efficient to extend the existing 3 – 4 inch pipes to new location and pull 3 -600 MCM and 4/0 ground. That is wire size currently installed. | This is acceptable |
| 28. | 10-9-18 | | Mechanical contractors are bidding an alternate, but price schedule has no place for it. | This requirement contains no alternates. Reference Government response to Question #20 and “ATTACHMENT 1 - UPDATED - SOW - Modernize Existing Chillers 10-12-2018”. Posted with amendment 0005. |