

## City of San Antonio

### ADDENDUM I

**SUBJECT:** Municipal Swimming Pool Energy Retrofits, Formal Invitation for Bid, (IFB 6100003839), Scheduled to Open: January 17, 2014; Date of Issue: December 20, 2013

**FROM:** Paul J. Calapa, Procurement Administrator

**DATE:** January 10, 2014

**THIS NOTICE SHALL SERVE AS ADDENDUM NO. I - TO THE ABOVE REFERENCED FORMAL INVITATION FOR BID**

**THE ABOVE MENTIONED FORMAL INVITATION FOR BID IS HEREBY AMENDED AS FOLLOWS:**

- 1. THE SUBMISSION DATE IS HEREBY EXTENDED TO JANUARY 22, 2014; 2:00PM LOCAL TIME.**
- 2. Change 004 – Specifications / Scope of Services, D. Equipment, 1. Variable Speed Pump Controllers (VSPC's), I. Harmonics, change to "VSPC shall include DC link reactor equivalent to minimum 5% AC line reactor (as defined by the manufacturer), in order to reduce/eliminate the addition of harmonic distortion to the electrical system."**
- 3. Change 004 – Specifications / Scope of Services, Change all references to Pool Facilities Equipment Schedule within the specifications from Attachment G to Attachment H.**
- 4. Change Pool Facilities Equipment Schedule (Exhibit 5), Change the size of the Flow Sensor Effluent Pipe size (to be confirmed by contractor) to 8" at the San Antonio Natatorium.**
- 5. ADDED: Price Schedule rev. 1, 1-10-14 (Attachment A). Attached as a separate document.**
- 6. ADDED: Supplemental Information to Conflict of Interest Requirement (Attachment E). Attached as a separate document.**
- 7. ADDED: Contractor Minimum Qualifications Form rev. 1, 1-10-14 (now Attachment G). Attached as a separate document.**
- 8. ADDED: Pool Facilities Equipment Schedule (Exhibit 5) rev. 1, 1-10-14 (now Attachment H). Attached as a separate document.**
- 9. ADDED: Energy Conservation Site Visit Pictures (Attachment K). Attached as a separate document.**
- 10. ADDED: Prospective Project Timeline (Attachment L). Attached as a separate document.**

### **QUESTIONS SUBMITTED IN ACCORDANCE WITH SECTION 003, PRE-SUBMITTAL CONFERENCE:**

On January 7, 2014, the City of San Antonio hosted a Pre-Submittal Conference to provide information and clarification for the Municipal Swimming Pool Energy Retrofits project. Below is a list of questions that were asked at the pre-submittal conference. The City's official response to questions asked is as follows:

- Question 1: Can the contractor use existing equipment when splicing or do they have to install new equipment? Example: CoSA does not allow contractors to splice into electrical panels but can the contractor splice/utilize the existing motor control panels?
- Response: Contractor may utilize any method the contractor desires to accomplish the installation, given that the equipment is bid, installed, and setup in accordance with manufacturer's instructions, electrical and mechanical code, and the specifications of **Section 004**. In the example provided it is recommended that the contractor replace the motor starter with the new VSPC (whether the motor starter is part of a motor control panel or is a separate box) as the motor starter is no longer needed.
- Question 2: If the wire length going to VSPC is not long enough to reach terminals in the controller can contractor splice the wire to get the extra length or will contractor be required to replace the wire? If we are required to replace the wire will that be considered miscellaneous electrical in the bid, or must that be included in the per unit price?
- Response: Contractor may utilize any method the contractor desires to accomplish the installation, given that the equipment is bid, installed, and setup in accordance with manufacturer's instructions, electrical and mechanical code, and the specifications of **Section 004**. The cost of ensuring proper wiring connection between the VSPC and the motor must be included in the cost of the VSPC equipment and the VSPC labor. Miscellaneous electrical work is intended for any issues encountered beyond regular installation of VSPCs, VFPs, motors, flow sensors, du/dt filters, and surge/lighting arrestors.
- Question 3: In the specifications, Section D. Equipment, 1. VSPC's, I. Harmonics: states "The VSPC shall be provided with line-side harmonic reduction, as required, to ensure that the current distortion limits, as defined in table 10.3 of IEEE 519-1992, are met." This could be interpreted to mean that the contractor must ensure harmonics at the point of common coupling, main service, meet the standard. This would require total load studies and much more harmonic mitigation than the project intended. Can it be changed to ensure that harmonic requirements are met at the input of the drive?
- Response: This requirement has been removed from the scope of services. Refer to Item 2 of this Addendum.
- Question 4: For swimming pools with dual pumps, will contractors be able to use one flow meter?
- Response: No, in cases where there are two VSPC's/Pumps, it may require different flow rates for each to satisfy varying bodies of water/ volumes / turnover rates for each. Of the three sites which have dual pumps/dual VSPC's, two (Heritage and San Pedro) require two sensors. The third site (San Antonio Natatorium), has no room for two sensors.
- Question 5: There is no requirement for bypass capability in the VSPCs. This may be a concern if the pumps are critical to operation. Does the City want to add a bypass option?
- Response: Bypass of VSPCs is not required within the specification and need not be included within respondents' bids.
- Question 6: Are the miscellaneous labor charges on the price schedule to be utilized for any potential unanticipated labor when performing the retrofits?
- Response: Miscellaneous labor charges are intended for any issues encountered beyond regular installation of VSPCs, VFPs, motors, flow sensors, du/dt filters, and surge/lighting arrestors. Respondents are encouraged to carefully review the the specifications of **Section 004** to accurately anticipate the labor involved to perform the retrofits. Bidders may also attend site visits and view pictures of the work sites (Attachment K) to assist in the bidding process.
- Question 7: Are there any additional pools that may require upgrades i.e. wading pools that aren't connected to the main pump system?
- Response: No, not as currently identified during the site audits.
- Question 8: Will any pools other than the Natatorium be available for retrofits prior to May?
- Response: Yes, there are four locations (Southside Lions, Lady Bird Johnson, Heritage, and

Woodlawn) that will filled and operational at the time of spring break and will be available for retrofit and startup/programming/calibration/commissioning. All pools will be available for retrofit, pending Parks and Recreation staff availability to provide access, during regular business hours immediately upon contract award. However, most pools will not be filled until mid-May, so startup/programming/calibration/commissioning cannot happen until that time.

Question 9: Will any pools other than the Natatorium be available for retrofits prior to May?

Response: Yes, there are four locations (Southside Lions, Lady Bird Johnson, Heritage, and Woodlawn) that will filled and operational at the time of spring break and will be available for retrofit and startup/programming/calibration/commissioning. All pools will be available for retrofit, pending Parks and Recreation staff availability to provide access, during regular business hours immediately upon contract award. However, most pools will not be filled until mid-May, so startup/programming/calibration/commissioning cannot happen until that time.

Question 10: Can the contractor view pictures of the work site i.e. where the starters are located, and work space before bid submission?

Response: Yes, please refer to Attachment K - Energy Conservation Site Visit Pictures.

### **QUESTIONS SUBMITTED IN ACCORDANCE WITH SECTION 003, RESTRICTIONS ON COMMUNICATION:**

Below is a list of questions that were submitted in accordance with Restrictions on Communication. The City's official response to questions asked is as follows:

Question 1: Should this project require any bonds?

Response: No.

Question 2: Is it possible to do a site visit for each work site before the bid submission?

Response: Prospective bidders may visit five (5) municipal swimming pools on Tuesday, January 14th:

- 1) 8:15 AM: New Territories, 9023 Bowen Drive
- 2) 9:00 AM: Heritage, 1423 S. Ellison Drive
- 3) 9:45 AM: Cuellar Park, 502 S.W. 36th St.  
\* Cuellar Park also represents Kingsborough Park and Gilbert Garza Park pools
- 4) 10:30 AM: Woodlawn, 221 Alexander Ave.
- 5) 11:15 AM: San Pedro, 2200 N. Flores

These pools represent several different retrofit types. Additional site visits may be scheduled by contacting Jennifer Gates (210-207-4046) at least 24 hours in advance of a proposed site visit. Please note in reference to Section 003 - INSTRUCTIONS FOR BIDDERS, Restrictions on Communication, the last day to submit questions is January 15, 2014.

Question 3: What is the anticipated cost of this project?

Response: Respondents are responsible for providing competitive pricing independent of any City or consultant cost estimates.

Question 4: Is it possible for the awarded contractor to receive payment when work is completed per site?

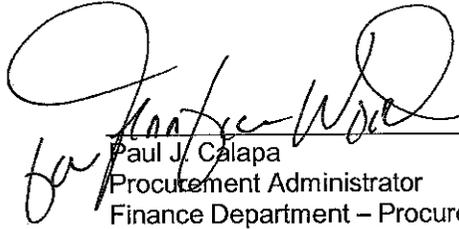
Response: The awarded contractor may submit invoicing upon completion of each work site and the City will process payment upon the City inspection and approval of each completed work site.

Question 5: There appear to be many discrepancies with the information on the equipment schedule. For example, Concepcion Park has two 7.5 HP pumps but has a HP Rating of 15 HP on the equipment schedule. Also, Jimmy Florez Park has two 7.5 HP pumps but has a HP Rating

of 15 HP on the equipment schedule. These are just a couple of facilities found that do not coincide with the provided list. Should contractors bid as-is and get a change order, or does the engineer want to field verify and update the list?

Response: The equipment schedule describes the VSPCs/VFPs needed at each location to operate the pump or pumps. In cases where it was evident that two identical pumps are required to operate in parallel to meet necessary turnover rates and they are feeding a common header, the City in conjunction with our consultant selected one VSPC so that each pump will share a properly balanced load. This is the case for both Concepcion Park and Jimmy Flores Park.

**\*\*THIS ADDENDUM MUST BE SIGNED AND RETURNED WITH THE BID PACKAGE\*\***

  
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Paul J. Calapa  
Procurement Administrator  
Finance Department – Procurement Division

Date \_\_\_\_\_

Company Name \_\_\_\_\_

Address \_\_\_\_\_

City/State/Zip Code \_\_\_\_\_

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Signature

PC/jg