CITY OF HOUSTON

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June 7, 2011

Subject: Letter of Clarification No. 2 to Invitation to Bid No. S50-C23955 Remove, Recondition and Re-install Generators and Associated Equipment for the Public Works and Engineering Department

To: All Prospective Bidders:

This letter of Clarification is being issued for the following reasons:

- **To revise the above referenced solicitation as follows and to respond to questions posed by perspective bidders:**

NOTICE TO BIDDER

1.) **The bid opening date has changed from 10:30 A.M. June 9, 2011 to 10:30 A.M., June 16, 2011.**

2.) Remove page 6 of 21 and replace with the revised page 6 of 21 marked, REVISED 6/7/2011.

3.) The Electronic Bid Form has been revised to add three (3) additional line items. See the electronic bid form for specifics.

- **The questions posed by perspective bidders and the responses thereto are as follows:**

1. Are we required to replace belts, hoses and fluids in all three generators as part of the overhaul?

   Answer: The Contractor shall replace belts, hoses, batteries and change all fluids to insure generators are in proper working order at the time of installation. All replacement parts shall be per manufactures specifications.

2. We were told that the City of Houston will Claim Exemption on existing equipment. Reason we ask this is, that according to EPA Laws, we are told that when you move an existing generator to a new location that they must meet all the new and current EPA requirements, also, City of Houston has laws which pertain to noise. Specification say that we are responsible for meeting all local and state requirements, in order to do this we would most likely not be able to use these existing generators.

   Answer: The City of Houston will qualify for the exemption for noise. The City of Houston noise ordinance exemption is, Ordinance, Sec 30-6: (c) and Emergency Work Sec-1 (i), (ii), (iii) and (iv). The City has received an exemption from TECQ on emissions and a notice that the the generators

must meet modern codes. The Contractor shall include in its bid the cost of the upgrades as well as the cost of replacement of the generators. *(See the revised page 6 of 21 marked, REVISED 6/7/2011 and see the revised Electronic Bid Form)*

3. We need to know what the main breaker sizes are for all three locations, if more than one main, we will need those sizes as well?

   Answer: Line Item No. 1, Facility Main 1000 Amp, Line Item No. 2, Facility Main 1600 Amp and Line Item No.3, Facility Main 800 Amp.

4. Is the load test required at a 2 hour or 4 hour test?

   Answer: The Contractor shall be required to perform a 4-hour load test to insure that the equipment will perform properly under normal emergency conditions.

5. New Vibration Isolators or Re-Use Old on the Onan 750?

   Answer: The Contractor will reuse the old isolators unless they are found to have broken springs. If springs are broken then replace as needed.

6. Line item 1
   Cummins Onan
   Model: DFHA-3383623
   Serial Number: K990023595
   750KW, 277/480Volts/60Hz/3Phase/1800RPM

   Acoustical Enclosure – Will specification be issued? Very important that we have either drawings, specs or both. Main reason is, not enough information on existing muffler weights to design new enclosure.

   Answer: The Contractor shall provide the enclosure specification based on federal, state and City codes and support requirements for the exhaust system. The current exhausts are made by Melson, model #43380 and the weight of each unit is 225 lbs.

7. Line item 1
   Cummins Onan
   Model: DFHA-3383623
   Serial Number: K990023595
   750KW, 277/480Volts/60Hz/3Phase/1800RPM

   Will drawings and specification be issued for concrete pads? Main issue is when installing new concrete pad over old concrete pad.

   Answer: The Contractor shall refer to the Technical Specifications, Line Item #1, page #8, Section 1.1.4.6. The Contractor shall be responsible to provide, drawings for the concrete slabs by a licensed engineer, P. E. The drawings shall include the slab specifications and the contractor shall be

required to receive prior approval from the City of Houston, Code Enforcement, Plan Review prior to installation.

8. Line item 2
STAMFORD NEWAGE AC GENERATOR
Type: MV734H6
Serial Number: W8430708
800KW, 2400Volts/60Hz/3Phase/1800RPM

Will the existing enclosure be acceptable, extent of reconditioning of this enclosure? Also, will this enclosure meet today's specifications?

Answer: Refer to the City of Houston's noise ordinance exemption, Ordinance, Sec 30-6: (c) and Emergency Work Sec-1 (i), (ii), (iii) and (iv). The Contractor shall restore the existing enclosure to manufactures specification and ensure proper operations of all components.

9. Line item 2
STAMFORD NEWAGE AC GENERATOR
Type: MV734H6
Serial Number: W8430708
800KW, 2400Volts/60Hz/3Phase/1800RPM

This generator has not run for a long time, to what extent do we estimate overhaul? What if the engine doesn't run and needs extensive repair? This should be established before and dollars are spent on rebuild per specs.

Answer: The Contractor shall recondition the generator to normal manufactures specifications and ensure proper operations under emergency conditions per the scope of work.

10. Line item 2
STAMFORD NEWAGE AC GENERATOR
Type: MV734H6
Serial Number: W8430708
800KW, 2400Volts/60Hz/3Phase/1800RPM

ATS Sizing, can you please provide sizes? Also, specification for ATS? Same issue with transformer, could specs be provided along with size, rating, etc?

Answer: The Contractor shall provide all sizing, specifications of new equipment per work scope and have prior approval from the City of Houston, Code Enforcement, Plan Review.

11. Line item 3
STEWART & STEVENSON
Model: 16V92GDTAB750
Serial Number: 127683
750KW, 277/480Volts/60Hz/3Phase/1800RPM

Generator enclosure is in very poor condition, it may not make sense to restore, you may want to consider a new enclosure, also, this enclose does not meet today's standards and will be difficult to restore.

Answer: Refer to the City of Houston noise ordinance exemption, Ordinance, Sec 30-6: (c) and Emergency Work Sec-1 (i), (ii), (iii) and (iv). The Contractor shall restore the existing enclosure to manufactures specification and ensure proper operations of all components.

12. Line item 3
STEWART & STEVENSON
Model: 16V92GDTAB750
Serial Number: 127683
750KW, 277/480Volts/60Hz/3Phase/1800RPM

In regards to items on east exterior wall, are they slated for removal?

Answer: No.

13. Line item 3
STEWART & STEVENSON
Model: 16V92GDTAB750
Serial Number: 127683
750KW, 277/480Volts/60Hz/3Phase/1800RPM

16" water line underground, will the City of Houston mark the location?

Answer: The Contractor shall call 811 and comply with Texas DIG-TESS for line location.

14. Line item 3
STEWART & STEVENSON
Model: 16V92GDTAB750
Serial Number: 127683
750KW, 277/480Volts/60Hz/3Phase/1800RPM

Who will determine the location for the new ATS?

Answer: The ATS will be located where indicate during the walk thru inspection. Line Item No. 3, South wall inside switchgear room at window. The Contractor must receive prior approval from City of Houston, Code Enforcement, Plan Review prior to installation.

15. Line item 3
STEWART & STEVENSON
Model: 16V92GDTAB750
Serial Number: 127683
750KW, 277/480Volts/60Hz/3Phase/1800RPM

If the phone lines on the West interior wall need to be moved, who will do this?

Answer: It will be the contractor's responsibility to have any and all equipment relocated that will interfere with the new equipment location. All relocations will require the approval of the facility contractor, Severn Trent and the City of Houston.

16. After speaking to several of our vendors, 90 day lead time would be almost impossible. Custom enclosures require more time than that, also, we were told at the pre-bid conference that we would only be allowed to work at one facility at a time. Also, there could be issues with getting parts for some of these older generators and we would need to file permits and have inspections done, coordination with local utilities etc. Although we were told that there was a certain urgency with this project, honestly, I feel that more time will be needed.

    Answer: The performance time stated is ***<u>90 calendar days</u>***. Work can be performed at all facilities simultaneously as long as work will not interfere with normal operations of the facility. All outages shall be scheduled and approved by the City of Houston.

17. Noticed in the photos we took that the concrete tanks have metal stairs, are we to scrap, prime and paint these and move them to new locations as well?

    Answer: The Contractor shall be required to prime, paint and reinstall the stairs at the new locations.

18. Line Item 1
    Cummins Onan
    Model: DFHA-3383623
    Serial Number: K990023595
    750KW, 277/480Volts/60Hz/3Phase/1800RPM

    How thick is the existing concrete pad at the new location "3822 Rustic"? Also, please provide exact dimensions, length and width.

    Answer: The existing driveway thickness is unknown. The best estimate is 4'' thick, the driveway length is 100 feet and the width is 16 feet.

19. Line Item 1
    Cummins Onan
    Model: DFHA-3383623
    Serial Number: K990023595
    750KW, 277/480Volts/60Hz/3Phase/1800RPM

    Can you please provide the exact dimension of the steel building at the new location "3822 Rustic"?

    Answer: Inside the switchgear room, length, North to South 19'4'', width, East to West 18'7'', wall thickness, 10.3/4''.

20. All three generators are going to need power for lighting, outlets for maintenance, engine block heaters, battery chargers and batteries, also, what about electric louvers and a heater for those cold nights. Usually there is a circuit breaker panel in the enclosure that feeds all these items. There is no mention in any of the locations that we address this or where we are to take the power for this. This could amount to a lot of work, please clarify what we are to provide in each of the three enclosures?

Answer: The Contractor shall be required to install the necessary power circuits needed to supply equipment relevant to each generator and must receive prior approval from City of Houston, Code Enforcement, Plan Review.

21. What about battery chargers and batteries, no mention in the work description, do you want all new chargers and batteries? Also, disposal of old batteries, what do we do with these?

Answer: The Contractor shall be required to replace batteries and charges as necessary for proper operation of the generators. The Contractor shall be required to return to the City of Houston bad chargers and batteries. All replacement equipment shall meet manufactures specification for replacement.

Note: No further questions will be accepted after the publication of this Letter of Clarification.

When issued, Letter(s) of Clarification shall automatically become a part of the bid documents and shall supersede any previous specification(s) and/or provision(s) in conflict with the Letter(s) of Clarification. It is the responsibility of the bidders to ensure that it has obtained all such letter(s). By submitting a bid on this project, bidders shall be deemed to have received all Letter(s) of Clarification and to have incorporated them into this solicitation.

Furthermore, it is the responsibility of each Contractor to obtain any previous Letter of Clarification associated with this solicitation.

Arturo Lopez

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Attachment: REVISED, Page 6 of 21

SECTION B
SCOPE OF WORK

1.0 Summary of Scope of Work: ***REVISED 06/07/2011***

1.1 GENERAL

1.1.1 The Contractor shall provide all labor, equipment, tools, supervision, transportation, insurance, permits, bonds and other services necessary to remove and recondition three generators, one automatic transfer switch and three diesel fuel tanks from two City of Houston locations, 7650 Chestwood Dr. and 7000 Ardmore St. After providing the required reconditioning listed for each component, the contractor will transport and re-install the same at three Water Facilities located in Kingwood (3822 Rustic Woods Dr., 8750 Mills Branch Dr. and 2310 North Park Drive, Kingwood, TX, 77339) and must include, testing, programming, and replace the systems in normal working condition.

1.1.2 All work shall be completed in accordance to local, state and federal codes. All permitting and licensing is required by the City of Houston. The State of Texas and Federal laws will be the responsibility of the vender performing the work.

1.1.3 All equipment removed and not used during the re-installation process will be returned to the City of Houston unless specified in writing.

1.1.4 All outages for system tie-ins at the Kingwood locations will be coordinated with the City of Houston and Severn Trent Operations, the City's contractor who manages and operates the Kingwood Water Facilities.

1.1.5 Note: All fuel tanks are to be emptied of fuel by the City of Houston.

1.1.6 The City has received an exemption from TCEQ on emissions and a verbal notice to upgrade the generators to meet the modern codes. The Contractor shall include in its bid the cost of the upgrades as well as the cost of replacement of the generators.

2.0 Performance Time:

2.1 The Contractor shall have ***90 calendar days*** to complete all work associated with and required by the contract after receipt of the written Notice to Proceed from City.

3.0 Warranty:

3.1 The Contractor shall warranty all materials, equipment and workmanship for ***one year.*** The warranty shall begin subsequent to certification and acceptance of the final performance of work by the City.

END OF SCOPE OF WORK

END OF DOCUMENT