REQUEST FOR QUALIFICATIONS

Power Plant
Air Regulation Compliance
University of Iowa Project No. 0411001
April 18, 2014

The University of Iowa intends to retain Professional Engineering Design Services from an Iowa-based firm for the design and construction assistance of a sorbent injection system and new bag house for the Main Power Plant solid fuel boilers. This project is to comply with the EPA Boiler MACT rule, issued on January, 2013.

Interested and qualified firms are invited to submit Statement of Qualifications for this project based on the tentative scope of work and information identified below.

Project Background
The main University of Iowa Power Plant provides heating and process steam for the entire main campus on both sides of the Iowa River. This includes steam for central Chilled Water generation as well as electricity. Included in the plant’s inventory of boilers are two solid fuel units – Boilers #10 and #11. Boiler #10 is a 1975 Riley stoker, travelling grate boiler capable of generating 170KPPH of 500 PSI 760 degree super heat steam per hour. Boiler #11 is a 1988 Riley fluidized bed boiler with identical generating capacity to that of boiler #10. Both of these units are subject to the new boiler MACT regulations adopted as final by the EPA on 1/31/2013.

The results of a preliminary study, recently completed by Sebesta-Blomerg, are included in this Request for Qualifications. This study recommended actual sorbent injection testing on the two solid fuel boilers during the late summer/fall of 2013 and summarizes all results in a Design Intent Narrative that forms the basis of the engineering services that will be carried forward from this RFQ effort.

Project Description
This project will install emissions control equipment and all related systems on Boiler #10 and Boiler #11 to make them compliant with new EPA regulations (Boiler MACT) finalized 1/31/13. This will require reductions in HCl emissions on Boiler #10 and Boiler #11. Both boilers are currently in compliance for Hg based on the purchase of low mercury fuels.
**Project Scope**

With this RFQ, the University intends to proceed with a contract for engineering services that include the design of sorbent unloading, storage and injection into the boiler flues of both Boiler #10 and #11 with all required system support equipment needed. In addition, Boiler #10 will require a new bag house, which will be retrofit into the existing electrostatic precipitator. This additional Boiler #10 scope will allow the use of both higher sulfur coal (stoker coal specifications require low-sulfur coal) as well as various biomass fuel sources.

This design contract will be for services through construction. The design-bid-build process will be utilized. The scope of services will be in compliance with the 2013 University of Iowa Design Standards and Procedures. The preliminary construction budget is estimated at $9.0 million.

**Anticipated Project Schedule**

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
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<tr>
<td>Design Kickoff Meeting</td>
<td>June 2014</td>
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<tr>
<td>Final Design Review</td>
<td>October 2014</td>
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<tr>
<td>Bidding</td>
<td>November 2015</td>
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<tr>
<td>Commence Construction</td>
<td>December 2015</td>
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<tr>
<td>Complete Construction</td>
<td>October 31, 2016</td>
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**Selection Process**

The University will recommend an Iowa based professional design firm to the Board of Regents, State of Iowa. The University will work with the design professional to select the various sub consultants required for the project and whose work will be the responsibility of the design professional. Based on the University’s evaluation of all Statement of Qualifications submitted, a select number will be invited to interview. The final selection and recommendation for the project Engineer of Record to the Board of Regents will be based on the interviews and qualifications. All firms submitting a Statement of Qualifications shall be notified of the firms selected for interviews.

The selected firm will be put under contract using the standard University of Iowa Professional Services Agreement based on Consensus Documents (www.facilities.uiowa.edu/pdc/consultants/agreement-form.html).

**Statement of Qualifications**

Firms interested in providing services for this project shall include (as a minimum) the following in their Statement of Qualifications:

1. Cover letter expressing interest in providing services for the project and the principal contact information (including telephone number and email address).
2. Design Firm’s general brochure
3. Project team’s experience on similar design projects designed by the individuals on the proposed team. Provide a project summary, client reference and contact information. List each team member’s specific project role.

4. Project team’s experience on University of Iowa projects. Provide a project summary, client reference and contact information. List each team member’s specific project role.

5. Proposed project team with individual roles, summary of qualifications and experience and office location for each team member.

6. Project design and schedule management approach, including understanding of and experience with the University of Iowa project delivery process and design standards and procedures.

7. Team member resumes showing qualifications related to this project.

Document shall be organized in the order presented above. Firms interested in providing services for the project shall submit the requested materials via three (3) hard copies with tabs and one (1) single PDF file by no later than 2:00 p.m. on Friday, May 16, 2014 to:

Eric Evenson
Project Support Staff
200 University Services Building
Iowa City, Iowa  52242-1922
Email: eric-a-evenson@uiowa.edu

Electronic file may be submitted via flash drive or CD and shall be labeled 0411001 – Statement of Qualifications – firm name”. Statement of Qualifications shall be a maximum of eleven (11) pages double-sided (equivalent of 22 pages single-sided) excluding the title page and cover letter. Failure to complying with the criteria set forth, will likely result in rejection of submittal and consideration of the submitting firm. The University reserves the right to request additional information/clarification from firms who submit.

All questions shall be directed to the Design Project Manager:

Ed Scherrer
Design Project Manager
200 University Services Building
Iowa City, Iowa  52242-1922
Email: edward-scherrer@uiowa.edu
Phone: 319-335-0274

Alternate contact is:

Eric Evenson
Project Support Staff
Email: eric-a-evenson@uiowa.edu
Phone: 319-335-1338

All costs associated with the development and submittal of the Statement of Qualifications and interview presentation will be the responsibility of the design professional.