Utilities-Power Plant-Coal Boilers Natural Gas Conversion

NOTICE OF UPCOMING DESIGN-BUILD REQUEST FOR QUALIFICATIONS

Pending Board of Regent project approval, Iowa State University will be initiating the solicitation of Design-Build services with the publication of a Request for Qualifications for the Utilities-Power Plant-Coal Boilers Natural Gas Conversion project.

The project scope for this Design-Build project consists of, but is not limited to, converting two (2) remaining coal-fired boilers in the University’s central cogeneration plant from coal-fired to gas-fired. The existing boilers are circulating fluidized bed-type, primarily fueled by coal, with natural gas startup and supplemental burners. After conversion, the boilers are to be exclusively fired on natural gas.

Boiler equipment and appurtenances associated with firing coal, fluidized bed material, and ash handling are to be removed. This includes, but is not limited to, cyclone, furnace bed, sootblowers, secondary air system, lime feed, fluidizing system, coal feed and ash removal systems. In addition, it is anticipated that the following will need to be removed or modified as part of the conversion: primary air system, supplementary burner, induced draft fan.

New boiler burner equipment includes the new gas burners, fuel trains and combustion controls. Additional boiler modifications will be needed to infill furnace waterwall locations vacated by removed penetrations and will also include new forced and induced draft fans. The existing furnace gas path through the cyclone will require modification. Modifications may include new refractory lined or waterwall ductwork.

New site work includes a new, larger natural gas line, from the existing utility meter location into the boiler house.

Existing desuperheater water system capacity increase, if determined to be necessary, is also part of the scope.

The amount of the Design-Builder’s scope of work, including construction costs, design services and construction services is estimated at $9.5M.

Tentative Solicitation Milestone Dates

<table>
<thead>
<tr>
<th>Event</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Request for Qualification</td>
<td>April 19, 2021</td>
</tr>
<tr>
<td>Request for Proposal</td>
<td>May 11, 2021</td>
</tr>
</tbody>
</table>

Direct all inquiries related to the Request for Qualifications to the Iowa State Project Manager; Lindsey Wanderscheid; 515-291-0129.