

## NOTICE TO DESIGN PROFESSIONALS

The Florida International University Board of Trustees announces that services in the disciplines of Architecture and Engineering are required for the project identified below:

Project Name and Number: **BT-834 SCP Satellite Chiller Plant**

Project Location: **Modesto A. Maidique Campus (MMC), Miami, Florida**

### Project Description

The new Satellite Chiller Plant (SCP) facility, with an ultimate 7,500-ton cooling capacity, shall supplement the University's existing chilled water generation operations serving the immediate and future needs of the Academic Health Center located on the northeast corner of the campus as well as other facilities. The university recognized that a new chiller facility would be necessary for its growing research and health sciences complex. The design challenge lies in building essentially a large utilitarian structure on a prominent site across from the School of Architecture; infusing an essentially industrial nature into the fabric of a campus setting, cognizant that such a large bulk should be undisguised. Further to the aesthetic challenge, the University requires that this satellite plant ultimately results in energy savings and reduced operational and maintenance costs.

Full programmatic requirements (subject to available funds) include space for two (2) initial 1,500 ton chillers and cooling towers, with shell space for three (3) future 1,500 ton chillers and cooling towers, and the ability to provide continuity of operations with two (2) emergency generators providing a minimum chilled water capacity of 3,000 tons during periods of power outage. The design team shall provide evaluations and recommendations on alternate designs, including aquifer condensing loops or varying equipment sizes addressing technical feasibility, environmental implications and regulatory agency assessment, initial/operational cost implications, system payback time periods, and life cycle analysis. Such alternates shall include a complete comparison against the traditional chiller plant design. Compliance with HWVZ requirements as required by Florida Building Code for wind load requirements to the building envelope and cooling towers enclosure with consideration for enhancements (code+) to assure continuity of operations is essential.

The University intends to pre-purchase cooling towers, water chillers, and appurtenant equipment through an Invitation To Bid (ITB) process. The Design Professional shall be responsible for preparing Pre-Procurement specifications.

The scope of work includes the displacement of a portion of an existing parking lot with remaining parking areas altered to accommodate the new SCP and a new vehicular and pedestrian entrance consistent with the Master Plan. The University is currently widening SW 10<sup>th</sup> Street and expanding the existing campus electrical and telecommunications duct bank, fire loop, including an 18" chilled water loop system under separate contracts. The Design Professional for this Project will be responsible for all domestic water, sewer, fire loop, as well as the chilled water connections and valve design to the Chilled Water Loop.

The total building construction cost is estimated to be approximately \$6,000,000 with a total gross square footage of 16,000 GSF (inclusive of cooling towers screened area). Total available funding is in the amount of \$7,100,000 of PECO funds. An additional \$7,000,000 future funding has been requested and is subject to legislative approval. In the event additional funds are appropriated, the project scope may be amended to include the full program as described in the Project Fact Sheet.

Completion for this project is anticipated for November 2012.

**INSTRUCTIONS:** Firms desiring to apply for consideration shall submit a letter of application and a completed "Florida International University Professional Qualifications Supplement (FIU PQS)." The official FIU PQS forms must be downloaded from the FIU web site at <http://facilities.fiu.edu/projects/BT-834.htm>. Applications on any other form will not be considered. A copy of the applicant's current Professional Registration Certificate from the appropriate governing board shall be submitted. An applicant must be properly registered at the time of application to practice its profession in the State of Florida. If the applicant is a corporation, it must be properly chartered by the Florida Department of State to operate in Florida.

Submit Seven (7) bound copies of the required proposal data and one CD copy in Adobe Acrobat PDF format of the requested qualifications to: Selection Committee, Florida International University, Real Estate Development and Planning, Campus Support Complex, 11555 S.W. 17<sup>th</sup> St., Room CSC142, Modesto A. Maidique Campus, Miami, Florida 33199. Applications that do not comply with the above instructions will not be considered. Application material will not be returned. The University reserves the right to suspend or discontinue the selection process at any time and to return or reject any or all submissions of qualifications without obligation to the respondent. The award of this contract is subject to availability of funds.

**GENERAL REQUIREMENTS:** The plans and specifications prepared by the Design Professional are subject to reuse in accordance with the provisions of Section 287.055, Florida Statutes. As required by Section 287.133, Florida Statutes, a consultant may not submit a proposal for this project if it is on the convicted vendor list for a public entity crime committed within the past 36 months. The selected consultant must warrant that it will neither utilize the services of, nor contract with, any supplier, subcontractor, or consultant in excess of \$15,000.00 in connection with this project for a period of 36 months from the date of their being placed on the convicted vendor list.

**FIU HAS CREATED STANDARD CONTRACT FORMS AND STANDARD INSURANCE REQUIREMENTS APPLICABLE TO A/E'S FOR A/E SERVICES TO PROVIDE FOR AN EFFICIENT AND EFFECTIVE PROCESS. THESE FORMS ARE AVAILABLE FOR REVIEW AND CAN BE FOUND AT <http://facilities.fiu.edu/projects/BT-834.htm>**

**ALL APPLICANTS SHOULD REVIEW THE APPLICABLE FIU CONTRACT FORM AND STANDARD INSURANCE REQUIREMENTS CAREFULLY PRIOR TO MAKING A DECISION AS TO WHETHER OR NOT TO RESPOND TO THIS ADVERTISEMENT.**

The **Project Fact Sheet**, which describes the selection process schedule for this Project and additional information regarding the Project scope, may be obtained from the web-site <http://facilities.fiu.edu/projects/BT-834.htm>. Requests for meetings by individual firms will not be granted. Once the firm acquires the required forms, questions may be directed to Real Estate Development and Planning at (305)348-4090 or via email to [griffith@fiu.edu](mailto:griffith@fiu.edu).

**SUBMIT QUALIFICATIONS TO:** Selection Committee, Florida International University, Real Estate Development and Planning, Campus Support Complex, 11555 S.W. 17<sup>th</sup> Street, Room #142, Modesto A. Maidique Campus, Miami, Florida 33199. Submittals must be received between 8:30 A.M. and 12:30 P.M. or 1:30 P.M. and 4:00 P.M. local time, Friday, October 8, 2010.

**Submittals will not be accepted before or after the times and date stated above.** Facsimile (FAX) submittals are not acceptable and will not be considered.

O:\FILES\BT834\_SatelliteChillerPlant\07 AE CM Selection\BT-834\_SCP\_SatelliteChillerPlant\_AE\_Advertisement.docx