



ADVERTISEMENT

Project Name: Multiple Building Heating System Improvements Project

Project/RFQ No: FM180016

Project Description: Qualifications are hereby solicited from Design Professionals interested in providing master planning and design services for the Multiple Building Heating System Improvements Project.

The UCSB Multiple Building Heating System Improvements Project will replace existing natural gas boilers of varying age, capacity and configuration with emissions-compliant heating systems. The project includes upgrading approximately 24 existing natural gas boilers at 16 buildings to emissions-compliant heating systems.

Basis of design for each heating plan will include one of two scenarios. Scenario A will be SBAPCD Rule 361 compliant natural gas boilers. In addition, pre-design work will include feasibility analysis and life cycle cost assessment of replacement of existing boiler systems with electric water-source heat pump systems (Scenario B). Scenario B applies to eight of sixteen facilities within the scope of work that are connected to the UCSB campus chilled water loop system.

Major project milestones are completion of preliminary and final designs and equipment specifications by June, 2018, and construction and commissioning completion by December, 2019. Estimated construction cost: \$5,000,000 - \$7,000,000.

Scope of Services

Work will be authorized in two stages. The first stage ("Stage 1") will be conducted under a Professional Services Agreement ("PSA") for the development of Detailed Project Program (DPP), including conceptual designs and detailed cost estimates. The programming and planning effort will then seek to identify stakeholders' priority needs, verify project scope and produce a program document. The successful consultant(s) will need to identify the cost for each project component to assist the University in establishing its requirements and an affordable scope. Stage 1 services may also include, but are not limited to general evaluation of existing conditions, identification of current and future site constraints, project programming, adjacency studies, concept design, and cost estimating.

Note, the project planning phase at the University is highly collaborative and consensus on recommended plans will be required between various University departments and stakeholders.

The second stage ("Stage 2") of each project, if authorized, will be conducted under the University's Executive Design Professional Agreement ("EDPA") for, among other services, engineering design, preparation of construction documents, support services during the administrative and environmental approval process, bidding assistance, construction phase administrative services and surveys.

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Authorization to proceed with Stage 2 will be contingent upon satisfactory completion of Stage 1, University project approvals, and the appropriation of adequate funding. While it is anticipated that funding will be obtained, there is no assurance that funds will be received for the anticipated projects.

Site investigation, pre-design analysis and design work to be performed as directed by the University's Representative and in coordination with the construction contract schedule.

Types of Services: Heating hot water system investigation, facility hot water temperature modeling/testing, life cycle cost assessment, heating plant design. Services may also include, but not be limited to, the following tasks:

- Systems investigation and design coordination with UCSB operations staff
- Evaluation of water-source heat pump systems (return side of campus chilled water loop), where applicable
- Identification of most effective phasing plan to reduce interruption to building heating systems to extent feasible
- Construction administration.

General Instructions

Mechanical engineering consultant(s) with qualifications that include experience in providing similar services are encouraged to respond. A current and valid Registered Professional Engineering license is required. A copy of the Request for Qualifications form will be available on the University's website at: <http://www.facilities.ucsb.edu/departments/contracting-services/consultantsdesigners> (click Request for Qualifications>>click the appropriate project button>>download the project documents) or call Steve Eggemeyer (805) 893-7193 for assistance securing the RFQ documents, further information regarding the project requirements, or additional technical information.

Consultant selection will follow the University of California qualifications-based selection procedures. The selection criteria for this project will be detailed in the Request for Qualifications.

Interested firms shall deliver three (3) hardcopy sets and one (1) digital copy (.pdf) of their consultant team's submittal to UCSB by 4:00 p.m. on **August 16, 2017** to the following address:

Attn: Greg Moore, Assoc. Director
Facilities Management Bldg. 439, Room 'E'
University of California, Santa Barbara
Santa Barbara, CA 93106-1030

Affirmative Action Statement

Each candidate firm will be required to show evidence of its equal employment opportunity policy. Every effort will be made to ensure that all persons shall have equal access to contracts and other business opportunities with the University, regardless of: race; color; religion; sex; age; ancestry; national origin; sexual orientation; physical or mental disability; veteran's status; medical condition; genetic information; marital status; gender identity; pregnancy; service in the uniformed services; or citizenship within the limits imposed by law or University's policy.

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