UPPER BLACKSTONE CLEAN WATER

REQUEST FOR QUALIFICATIONS (RFQ)
FOR DESIGN AND CONSTRUCTION ADMINISTRATION SERVICES

SOLIDS PROCESSING COMPLEX HVAC UPGRADES

Addendum No. 1

1-1. On the first paragraph of page 3 of the RFQ, **REPLACE** ddescheneau@ubcleanwater.org with mandrus@ubcleanwater.org.

1-2. On the third paragraph of page 11 of the RFQ, **REPLACE** ddescheneau@ubcleanwater.org with mandrus@ubcleanwater.org.

1-3. A copy of the sign-in sheet and agenda for the RFQ Informational Meeting is attached.

UPPER BLACKSTONE CLEAN WATER

Stewardship Through Science

50 ROUTE 20 MILLBURY, MA 01527 P 508.755.1286 ubcleanwater.org

SOLIDS PROCESSING COMPLEX HVAC UPGRADES

Informational Meeting
April 5, 2023

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Agenda

1. Introductions
2. Project description and background
    a. The objectives of this Project include evaluation of alternatives for HVAC upgrades at the Facility's Solids Processing Complex (SPC), to replace/repair existing equipment and increase energy efficiency. The SPC consists of three individual, but connected, buildings; the Incinerator Building, the Dewatering Building and the Thickener Building. The total floor area of the complex is approximately 50,600 sf. Two systems in the SPC are prioritized for replacement: an existing gas-fired boiler (6,495 MBH input, 5,230 MBH output) installed in 1997 and a waste heat recovery system; and three 15-ton self-contained DX ACUs installed in 2004. The areas heated by the heating system are not cooled, and the ACUs are required to provide year-round cooling for electrical and control rooms. However, the ACUs reject heat in the winter at the same time the boiler is heating.
3. Scope of work
    a. A comprehensive redesign of the SPC HVAC system including but not limited to:
        - A redesign process intended to develop a design that increases environmental sustainability, reduces life cycle cost, facilitates commissioning, maintenance and repair, provides redundancy to serve critical end uses, and meets ventilation requirements efficiently
        - Possible electrification of heating system and integration of heating and cooling functions with heat pumps
        - Inclusion of Building Energy Management System (BEMS) features to facilitate proper commissioning, proper maintenance, and continuous performance monitoring
        - Consideration of building envelope measures that would reduce HVAC energy and reduce design heating and cooling loads to enable equipment sizing optimization

It should also be noted that the SPC has an estimated life expectancy of 10-15 years remaining. The proposed HVAC upgrades shall take this into consideration.

The work under this contract may be amended to include preparation of preliminary and final design documents for the HVAC upgrades and providing construction administration services.

4. Submission requirements and evaluation criteria

   a. Submit an electronic version of the Statement of Qualifications (SOQ) with all required forms, attachments, supporting documentation and information in PDF format to mandrus@ubcleanwater.org. A confirmation email will be sent upon successful receipt of the file. The submission deadline is Wednesday, April 19 at 2:00PM.

   b. This is a qualifications based selection process. The evaluation criteria are as follows:

Prior similar project experience	25%
Management Team and Organization for the Project	15%
Financial Stability	15%
Proposed Approach to the Project	30%
Reference Information	15%

5. Questions