ADDENDUM NO. 1

CITY OF PENDLETON
Request for Quotes – WWTRRF Blower
Issued: July 17, 2023

Proposals Due: August 3, 2023 @ 2:00 p.m.

TO ALL BIDDERS:

This Addendum provides the following information and changes to the Request for Quotes (RFQ):

SPECIAL SPECIFICATIONS - CLARIFICATIONS/REVISIONS/QUESTIONS

1. **REPLACE** Page 7 **Field Testing** with the attached copy containing the following change:
   1. After installation of all equipment has been completed and as soon as conditions permit, the manufacturer shall provide ONE (1) trip for a total of TWO (2) 8-hour days to verify the installation and conduct an acceptance test under actual operating conditions.

2. **QUESTION:** Spec calls for a min turndown of 60-80 SCFM. Is a turndown of 97 SCFM acceptable? Or do we need to split up the flow between two smaller blowers or provide a jockey blower to meet this requirement? Please confirm.

   ANSWER: City would like to see lower, but 97 SCFM is acceptable without the need to split flow between two smaller blowers or provide a jockey blower to meet our desired minimum VFD setting of 60-80 SCFM.

3. **QUESTION:** The spec calls out gauges and a touchscreen local control panel. Which is required?

   ANSWER: Both gauges and local control panel are required as called out in the specifications.

4. **QUESTION:** The VFD spec appears to be for Aerzen's standard package mounted Danfoss VFD. In order to provide a package mounted Allen Bradley VFD, Aerzen needs to provide a NEMA 1 enclosure and separate disconnect switch, which will be mounted on a bracket and secured to the package. Is this acceptable? Or should Aerzen provide their standard package mounted Danfoss VFD, which is what the spec is based on? Please confirm.

   ANSWER: City will stay with Allen Bradley VFD as specifications require. This standardizes the VFDs with the WWTRRF and helps operators navigate troubleshooting easier. VFD could be added to MCC in the current Blower #3 location.

5. **QUESTION:** Please confirm whether the blower should be sized for 300 SCFM or 300 CFM. The spec calls out both and will change the sizing of the blower/motor.

   ANSWER: City notes SCFM and CFM are both essential values that indicate the airflow rate in a compressor. SCFM measures this value based on 'ideal' temperature and pressure conditions (laboratory testing), while CFM measures the 'actual' air flow rate (real world).

   The above question is which unit of measurement is needing to be met. The Blower Performance Criteria is listed in SCFM as this is the blower performance in ideal conditions. City is looking for a blower package that is capable of real-world flow rates of 60-300 CFM. Ideally, the lower the better, due to Eastern Oregon's large temperature swings from winter (-10°F) to summer (120°F). The need for this blower is to pick up the low end that the City's current Aerzen blower is unable to pick up in the winter and then in the swing season (fall and spring) to cover the gap between the City's existing Aerzen and Kturbo blowers.

All bidders shall acknowledge receipt and acceptance of this Addendum by completing the spaces and signing below and submitting it with their Quote. Bids submitted without signing for the Addendum may be considered informal.

CITY OF PENDLETON

Bob Patterson, PE
Public Works Director
City of Pendleton
500 SW Dorion Avenue
Pendleton, OR 97801

BIDDER'S ACKNOWLEDGMENT:

_____
Company Name (please print)

_____
Bidder's Name (please print)

_____
Signature

_____
Title

_____
Address

_____
City, State

SPECIAL SPECIFICATIONS

Field Testing:

1. After installation of all equipment has been completed and as soon as conditions permit, the manufacturer shall provide ONE (1) trip for a total of TWO (2) 8-hour days to verify the installation and conduct an acceptance test under actual operating conditions.
   a. The Manufacturer shall perform a physical check of the blower installation, perform safety checks, power up the equipment and perform functional testing.
   b. The functional test shall consist of 4 hours of operation of each blower with vibration, temperature, and pressure readings as well as motor amp readings taken and recorded at 60-minute intervals.
   c. The Manufacturer shall provide operations and maintenance training to the plant personnel. The training shall consist of 1 hour of classroom training using the Operation and Maintenance Manual for reference and 2 hours of hands-on training at the blower package.
2. Manufacturer shall provide a written field test/start up report after completion of testing.