



REQUEST FOR PROPOSALS

Dehumidifier for Indoor Pool Replacement

Abstract

The Molalla Aquatic District is seeking qualified vendors to supply sealed bids for the removal, installation and reconnect of our dehumidification system for our indoor pool.

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INTRODUCTION

The Molalla Aquatic District is seeking sealed proposals, from qualified vendors, for the disconnect and removal of our current dehumidification system, for the installation of a new Dectron Dry-O-Tron or approval equal unit that meets industry standards, including any new transitions, electrical requirements and complete installation. This will involve crane use due to the nature of the equipment and location. This is for the Molalla Aquatic Center, to be delivered to the Molalla Aquatic District. The energy efficiency measures (EEMs) affect the natatorium of about 187,000 cubic feet. Using data from the last three years, the average annual energy use for the building was 41,785 therms and 399,580 kWh.

SPECIFICATIONS

We are looking to replace our 20-year-old Dectron Dry-o-Tron dehumidification unit. We would like proposals for this to be for Dectron brand specifically. Additionally, by ultimately decreasing airborne chloramines, Molalla can reduce ventilation air to code standards, reducing fan power, and air conditioning by installing VFDs on two of the fan motors.

Our Dectron Model # is RS-120-43 and the Serial # is A2002090004. It is a 460V and 3 phase unit.

Your proposal shall include cost for the following:

- Disconnect and any duct work needed.
- Removal and disposal of any equipment no longer needed.
- Installation of the new unit, including the cost of a crane.
- All electrical work needed to ensure the unit is properly working.
- Any new duct transitions required for the new unit.
- Reconnect and programming.
- Warranty from the manufacturer, minimum of 1 year.
- One year warranty on all materials and installation.
- Owner training, including video recording.
- 5 year maintenance of the entire unit- this should be priced separately on proposal.

The AHU supply and exhaust fans will have VFDs and set to operate at code minimums. The exhaust fan will track the supply fan speed to maintain negative pressurization in the space. This retrofit will ramp down the fan motors, decreasing electricity consumption while also decreasing the heating requirements for makeup air.

- 20 and 15 HP motor with VFD ramped down by 70% during occupied hours and 78% during unoccupied hours
- AHU supplying 14,025 CFM and recirculating 15,428 during occupied hours; supplying 12,467 CFM and recirculating 13,714 CFM during unoccupied hours

DETAILS

With a new Dectron Dry-o-Tron dehumidification unit, we anticipate being able to see a VFD on AHU supply & exhaust fans, ramped down by 70% during occupied hours and 78% during unoccupied hours.

AHU to supply 14,025 cfm, recirculate 15,428 cfm during occupied hours; supply 12,467 cfm, recirculate 13,714 cfm during unoccupied hours.

SITE VISIT

A site visit and project walk through will be held on Tuesday, July 19, 2022 at 3:30pm. Please plan to attend this visit prior to submitting your bid.

SELECTION CRITERIA

The Molalla Aquatic District Board of Directors will choose the vendor they believe will best serve its purposes. Factors used in the selection process will include but are not limited to build quality, value, warranty, accessibility, references or past experience. The Molalla Aquatic District Board of Directors will not automatically award the project to the lowest bidder, per its governing bylaws.

DEADLINE

Please submit proposals in writing to Molalla Aquatic District, by mail or hand delivered. If submitting by mail, please use the following address:

Molalla Aquatic District C/O Melissa Georgesen, PO Box 1308 Molalla, OR, 97038 on or prior to 5pm on Tuesday, July 26, 2022.

If submitting in person, please use the following address:

Molalla Aquatic District, C/O Melissa Georgesen, 432 Frances St, Molalla, OR 97038, on or prior to 5pm on Tuesday, July 26, 2022.

SELECTION & NOTIFICATION

The winning company will be informed of the Board of Directors decision on or before July 29, 2022. Firms not selected will be notified in writing prior to August 12, 2022.

QUESTIONS

Vendors are encouraged to forward any clarifying questions to:

Melissa Georgesen
Executive Director
PO Box 1308
432 Frances St
Molalla, OR 97038

(541) 637-7740 cell / Melissa@molallaaquaticcenter.com