

AGENDA ITEM FORM

SUBJECT: Saylorville Water Treatment Plant RO Unit No. 4 Installation

SUMMARY:

- The Saylorville Water Treatment Plant is a dual-membrane plant using ultrafiltration (UF) and reverse osmosis (RO) for treatment of water. Recent experience has shown that more water than originally expected must be treated with RO in order to maintain target water quality.
- The Saylorville Plant was designed with three RO membrane units and included room for three more.
- RO Unit No. 4 is intended to provide an additional 1.7 million gallons per day of RO water for peak production as well as provide redundancy in RO flow during low production times.
- At its April 2018 meeting, the Board authorized purchase of additional RO equipment from Wigen Water Technologies at a cost of \$499,384. Since that time the price has increased to \$572,917 for additional scope of supply.
- In November 2018, the Board of Water Works Trustees authorized staff to solicit bids for the Saylorville Water Treatment Plant RO Unit No. 4 Installation. The Public Hearing was established as the date of the January 2019 Board meeting.
- Base Bid is for installation of RO equipment procured from Wigen Water Technologies along with piping and other work required for a fully-operational RO treatment train.
- Bid Alternate is for removal of an existing manual strainer, which has cause operational difficulty, and replacing it with an automatically-cleaned strainer.
- Four (4) bids were submitted on January 10, 2019.

BIDDER	BASE BID	ALTERNATE BID
The Waldinger Corporation	\$497,660	\$15,956
Building Crafts, Inc.	\$540,000	\$58,000
Henkel Construction Company	\$566,700	\$39,400
Woodruff Construction, LLC	\$569,370	\$57,730

- The engineer's estimate for this contract is \$500,000.00.
- The Waldinger Corporation has successfully completed similar projects for Des Moines Water Works.
- Staff recommends the Board award a contract for Base Bid plus Alternate Bid to The Waldinger Corporation, in the amount of \$513,616.

FISCAL IMPACT:

Funds for this project will come from the Saylorville Water Treatment Plant Additional RO Skid Budget and other capital budgets. The Additional RO Skid Budget has budgeted funds of \$1,100,000 for purchase and installation of equipment. The purchase of RO equipment was \$572,917 plus additional electrical equipment purchase cost of \$31,185 and electrical design services of \$77,000. With award of this contract the total project cost will be \$1,194,718. The additional \$94,718 will come from adjustments and concessions to other capital budgets.

RECOMMENDED ACTION:

Award the Saylorville Water Treatment Plant RO Unit No. 4 Installation contract Base Bid plus Alternate Bid to The Waldinger Corporation, in the amount of \$513,616, and authorize the Chairperson and CEO and General Manager to execute the contract.

BOARD REQUIRED ACTION:

- Public Hearing – Opened by Chairperson for comments from the public regarding the form of contract, plans and specifications, and estimated cost. Chairperson closes hearing.
- Motion for adoption of form of contract, plans and specifications, and estimated cost.
- Analysis of bids received.
- Award the Saylorville Water Treatment Plant RO Unit No. 4 Installation contract for Base Bid plus Alternate Bid to The Waldinger Corporation, in the amount of \$513,616.

 Nathan W. Casey, P.E. (date) 1/15/19 Infrastructure Planning Manager	 Michael J. McCurnin, P.E. (date) 1/15/2019 Engineering Services Manager	 William G. Stowe (date) 1.16.19 CEO and General Manager
--	---	---

Attachments: none