



Mollhoff/Fisher

**RESOLUTION NO. 6383**

**WHEREAS**, sealed bids were requested and advertised, as required by law, for the following:

**REQUEST FOR PROPOSAL (RFP) NO. 5750  
NEBRASKA CITY STATION UNIT 1 MAIN CONDENSER WATERBOX B, C AND D TUBING  
REPLACEMENT MATERIALS**

**WHEREAS**, bids were received and opened at the time and place mentioned in the published notices and the Director – Supply Chain Management supervised the tabulations, which have been submitted to this Board; and

**WHEREAS**, the Board of Directors has carefully considered the bids submitted, as well as the recommendations of the District's Management and General Counsel.

**NOW, THEREFORE, BE IT RESOLVED** by the Board of Directors of the Omaha Public Power District that Management hereby is authorized and directed to accept the proposal of Plymouth Tube Company in the amount of \$1,357,429.06, to provide material and fabrication of replacement tubes for the Nebraska City Station Unit 1 main condenser, and the bond of such bidder hereby is approved.



# Board Action

## BOARD OF DIRECTORS

July 14, 2020

### ITEM

Nebraska City Unit 1 Main Condenser Waterbox B, C and D Tubing Replacement Materials

### PURPOSE

Supply material and tube fabrication for condenser waterboxes B, C and D tube replacement for the Nebraska City Unit 1 main condenser.

### FACTS

1. As part of the ongoing condenser inspection and evaluation program, it was determined that main condenser waterboxes B, C and D tubes should be replaced to maintain unit reliability.
2. The District requested bids for materials and fabrication of the replacement tubes. Two (2) bids were received. One (1) bid was determined to be legally non-responsive.
3. The material supply and tube fabrication are long lead time delivery items.
4. A contract for installation of these tubes will be awarded separately. The installation will occur in the spring of 2021 during a scheduled unit outage.

### ACTION

Authorization by the Board of Directors to award a contract to Plymouth Tube Company for the material and fabrication of waterbox B, C and D replacement tubes for the Nebraska City Station Unit 1 main condenser.

#### RECOMMENDED:

/s/ Mary J. Fisher

Mary J. Fisher  
Vice President – Energy Production and  
Nuclear Decommissioning

#### APPROVED FOR BOARD CONSIDERATION:

/s/ Timothy J. Burke

Timothy J. Burke  
President and CEO

### SAE

Attachments: Letter of Recommendation  
Tabulation of Bids  
Legal Opinion  
Resolution



## MEMORANDUM

**DATE:** June 26, 2020

EPND-2020-20

**FROM:** S.A. Eidem

**TO:** M. J. Fisher

**SUBJECT:** Request for Proposal No. 5750  
Nebraska City Unit 1 Main Condenser Waterbox B, C and D Tubing  
Replacement Materials  
EC 70287

### 1.00 GENERAL

Request for Proposal (RFP) No. 5750 is for the material design and procurement contract to replace the Nebraska City Unit 1 (NC1) main condenser tubes associated with three (3) of the four (4) waterboxes. This contract covers the design, fabrication and supply of materials only and does not include installation. An installation contract will be awarded later in 2020. There is a scheduled unit outage to install this material in the spring of 2021.

NC1 has two (2) main condensers with each having two (2) waterboxes. Each of the four (4) waterboxes have 10,330 tubes installed. Through ongoing testing and evaluation of the condenser tubes, it has been determined that the amount of failed and near failed tubes have been dramatically increasing over the past ten years. The failures were evaluated and are attributed to chloride pitting. This is a common issue when using local river water for condenser cooling with the existing grade of stainless steel (A304) tube. An upgrade of stainless steel tube material (A316) is recommended to reduce chloride pitting. The A waterbox was re-tubed with A316 stainless steel tubes in 2016. Testing completed in the 2019 planned outage did not identify any corrosion issues in the A waterbox tubing.

The NC1 main condenser B, C and D waterbox tubes are original equipment and have been in service since the start of commercial operation in 1979, over 40 years. The normal service life of power plant main condenser tubes is approximately 25 to 30 years. The 30,990 main condenser waterbox B, C and D tubes need to be replaced to maintain unit reliability.

The RFP was advertised on May 12, 2020 and two bids were opened on June 10, 2020. Two companies submitted bids as follows:

Plymouth Tube Company	\$ 1,357,429.06
Thermal Engineering International (TEi)	\$ 1,199,500.00

The Engineer's Estimate at the time of bid opening was \$2,250,000.

#### 2.00 COMPLIANCE WITH CONTRACT TERMS AND CONDITIONS

The proposals were reviewed by the District's legal counsel. The proposal from TEi was determined to be legally non-responsive.

#### 3.00 COMPLIANCE WITH TECHNICAL REQUIREMENTS

The proposals were reviewed for technical compliance and the Plymouth Tube Company proposal was determined to be technical responsive. Plymouth Tube Company did not submit any technical exceptions and two (2) minor clarifications were evaluated to be acceptable.

The TEi proposal was also reviewed, even though it was considered to be legally non-responsive. TEi submitted several technical exceptions and three (3) of those would make the bid technically unacceptable.

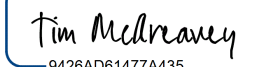
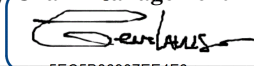
Both submitted raw material and fabrication origins. Plymouth Tube Company stated that both the raw material origin and tube fabrication to be in the United States. TEi stated the raw material origin could be from South Korea, Europe or the United States and the tube fabrication could be in Italy or the United States.

#### 4.00 RECOMMENDATION

Based on compliance with legal and technical requirements of this specification, it is recommended that Request for Proposal No. 5750 be awarded to Plymouth Tube Company for \$1,357,429.06.

*Scott A. Eidem*

S.A. Eidem, P.E.  
Director, Engineering Services  
Energy Production & Nuclear Decommissioning

<p align="center"><b>TABULATION OF BIDS</b>                  Opened at 2:00 p.m., C.D.T., wednesday,                  June 10, 2020, in Omaha, Nebraska</p>		<p align="center"><b>REQUEST FOR PROPOSAL NO. 5750</b></p> <p align="center"><b>Nebraska City Station Unit 1 Condenser Waterbox B, C                  &amp; D Re-tube Materials</b></p>		<p align="right">DocuSigned by:                    9426AD61477A435...  <b>Director</b>                  Supply Chain Management</p> <p align="right">                   SEC5B86907EE4F6...                  Compiled by and Certified Correct</p>	
<p align="center">Anticipated Award Date                  July 16, 2020</p>					
<p align="center"><b>ENGINEER'S ESTIMATE</b></p> <p align="center"><u>\$2,250,000.00</u></p>					
<p align="center"><b>BID ITEM</b></p>		<b>BIDDER'S NAME &amp; ADDRESS</b>			
		<p align="center">Thermal Engineering International                  (TEI)                  18000 Studebaker Rd, #400                  Cerritos, CA 90703</p>	<p align="center">Plymouth Tube                  29W150 Warrenville Road                  Warrenville, IL 60555</p>		
		<b>SUPPLIER'S BID</b>	<b>SUPPLIER'S BID</b>	<b>SUPPLIER'S BID</b>	
1.	<p><u>Proposal Price(S)</u></p> <p>Lump Sum Firm Price</p>	<p><u>\$1,199,500.00</u></p>	<p><u>\$1,357,429.06</u></p>	<p>\$ _____</p>	
2.	<p><u>Delivery Guarantee(s)</u></p> <p>Desired Delivery Date: March 19, 2021</p>	<p><u>Guaranteed Delivery Date</u></p> <p>February 15, 2021</p>	<p><u>Guaranteed Delivery Date</u></p> <p>March 19, 2021</p>	<p><u>Guaranteed Delivery Date</u></p> <p>_____</p>	



# FRASER STRYKER

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June 12, 2020

Omaha Public Power District  
444 South 16<sup>th</sup> Street  
Omaha, NE 68102

RE: Request for Proposal No. 5750 - Nebraska City Station Unit 1 Condenser  
Waterbox B, C and D Re-tube Materials

Ladies and Gentlemen:

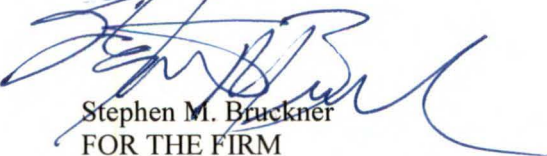
We have reviewed the two (2) proposals received in response to the District's RFP No. 5750 and provide the following legal opinion.

The proposal of Plymouth Tube Company contains some revisions to the District's contract terms and conditions. They include a modified liquidated damage provision, a revised warranty section, and revisions to the force majeure and indemnity provisions of the contract documents. In our opinion, these proposed revisions are not materially non-responsive to the contract documents. However, they are subject to the District's economic and risk evaluation. The Plymouth Tube proposal also submits technical exceptions that are to be evaluated by the District.

The proposal of Thermal Engineering International specifies that its bid shall remain open only for 45 days, contrary to the time frame specified in the RFP. Moreover, the Thermal Engineering proposal states that any award of the contract by the District is subject to Thermal Engineering's prior acceptance and corporate approval. This statement in Thermal's proposal renders the proposal legally non-responsive to the contract documents because the District does not know whether it will have a firm price or be able to order the materials upon award. For this reason, the Thermal Engineering proposal may not be considered by the District's Board of Directors for the award of this contract.

Subject to the foregoing comments and the District's technical and economic evaluation, the proposal of Plymouth Tube Company may be considered by the District's Board of Directors for the award of this Contract. The form of payment and performance bond also must be approved by the Board.

Very truly yours,



Stephen M. Bruckner  
FOR THE FIRM

SMB/sac  
2377448