



Mollhoff/Fisher

RESOLUTION NO. 6378

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

**REQUEST FOR PROPOSAL (RFP) NO. 5744
NEBRASKA CITY STATION UNIT 2 COOLING TOWER FIRE PROTECTION PIPING
REPLACEMENT**

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 AFP Corporation (dba Associated Fire Protection) bid option “ALT 1” for \$870,212.00, for the engineering, procurement, and construction required to replace the fire protection piping for the Nebraska City Station Unit 2 cooling tower and convert the system to a pre-action system utilizing the Allison Controls heat detection system, and the bond of such bidder hereby is approved.



Board Action

BOARD OF DIRECTORS

June 9, 2020

ITEM

Nebraska City Unit 2 Cooling Tower Fire Protection Piping Replacement

PURPOSE

Provide engineering, procurement, and construction for replacement of the currently installed NC2 cooling tower fire protection piping and conversion to a pre-action system.

FACTS

- a. The currently installed dry pipe system fire protection piping has experienced pressure leaks and valve malfunctions resulting in the system inadvertently filling with water. If this occurs during cold weather, the piping could freeze and make the system inoperable.
- b. To insure operability, the system is currently isolated and requires manual actuation in the event of a fire.
- c. RFP 5744 was issued to replace the piping with a more corrosion resistant material and convert the dry pipe system to a pre-action system with heat detection to prevent inadvertent filling.
- d. Two bids were received with one bidder providing two options for supply of the heat detection system. All bid offerings, including the alternate option, were determined to be legally responsive and technically acceptable.

ACTION

Authorization by the Board of Directors to award a contract to Associated Fire Protection for engineering, procurement, and construction required to replace the fire protection piping for the Nebraska City Station Unit 2 cooling tower and convert the system to a pre-action system utilizing the Allison Controls heat detection system.

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

MJF:sae

Attachments: Letter of Recommendation
Tabulation of Bids
Legal Opinion
Resolution



MEMORANDUM

DATE: June 5, 2020

EPND-2020-17

FROM: S. A. Eidem

TO: M. J. Fisher

SUBJECT: Request for Proposal No. 5744
 Nebraska City Unit 2 Cooling Tower Fire Protection Piping Replacement
 EC 70196

1.00 GENERAL

Request for Proposal No. 5744 is for the engineering, procurement, and construction contract to replace the Cooling Tower Fire Protection Piping for Nebraska City Unit 2 and convert the existing dry pipe system to a pre-action system. This work will be done while the plant is in service during the fall of 2020. Two (2) of the eighteen (18) cells can be removed from service during cooler temperatures to complete the work.

The existing dry pipe sprinkler galvanized piping has experienced several leaks as well as spurious dry pipe valve accelerator malfunctions resulting in valve actuation filling the piping inadvertently. The fire protection dry piping valves for both the north and south sections of the cooling tower are currently isolated as a trip during cold temperatures could cause the piping to freeze which would make the system inoperable. These systems would require manual actuation in the event of a fire.

The new cooling tower cell fire protection piping system will be upgraded to 304 stainless steel to prevent corrosion and the two fire protection dry valves will be replaced with pre-action valves with a new linear heat detection system to convert the system from dry pipe to pre-action.

Two (2) proposals were submitted and opened in response to the RFP on May 12, 2020 and the base bids are tabulated as follows:

COMPANY	Heat Detection System	COST
ASSOCIATED FIRE PROTECTION	Protectowire	\$697,612
F. E. MORAN	Protectowire	\$1,710,402

Associated Fire Protection included the following alternate bid offering in their sealed bid utilizing a different type of heat detection cable:

COMPANY	OPTION	DESCRIPTION	COST
ASSOCIATED FIRE PROTECTION	ALT 1	Alison Controls heat detection system	\$870,212

The Engineer's Estimate for the base bid at the time of the bid opening was \$800,000.

2.00 COMPLIANCE WITH CONTRACT TERMS AND CONDITIONS

The proposals were referred to the District's legal counsel for review. All proposals, including the Associated Fire Protection alternate bid, were deemed acceptable for the District's Board of Directors for award of this contract.

3.00 COMPLIANCE WITH TECHNICAL REQUIREMENTS

The proposals were reviewed for technical compliance. The bid from F.E. MORAN did not meet the guaranteed delivery dates for any of the three (3) specified milestones. The price was also higher than the bid from ASSOCIATED FIRE PROTECTION for the identical Protectowire heat detection system.


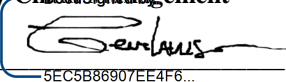
Both bid offerings from ASSOCIATED FIRE PROTECTION were determined to be technically acceptable. The plant currently uses the Alison Controls heat detection system in other parts of the plant and would prefer this option to maintain consistency in testing and take advantage of their current knowledge and experience. The Alison Controls heat detection system is tested by heating the wire whereas the Protectowire system must be replaced after being heated. Installation of Protectowire would increase possibility of damage through human error as both systems are similar in appearance.

4.00 RECOMMENDATION

Based on compliance with legal and technical requirements of this specification, it is recommended that Request for Proposal No. 5744 be awarded to ASSOCIATED FIRE PROTECTION bid option "ALT 1" for \$870,212.

Scott A. Eidem

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

TABULATION OF BIDS Opened at 2:00 p.m., C.D.T., Tuesday, May 12, 2020, in Omaha, Nebraska		REQUEST FOR PROPOSAL NO. 5744 Nebraska City Unit 2 Cooling Tower Fire Protection Piping Replacement			DocuSigned by:  9426AD61477A435... Director Supply Chain Management  5EC5B86907EE4F6... Compiled by and Certified Correct	
Anticipated Award Date June 11, 2020						
ENGINEER'S ESTIMATE <u>\$800,000.00</u>						
BID ITEM		BIDDER'S NAME & ADDRESS				
		AFP Corporation dba Associated Fire Protection 4905 south 97th street, Omaha, NE 68127	AFP Corporation dba Associated Fire Protection 4905 south 97th street, Omaha, NE 68127	FE Moran, Inc Special Hazard Systems 2265 Carlson Drive, Northbrook, IL 60062		
		SUPPLIER'S BID	SUPPLIER'S BID	SUPPLIER'S BID		
1.	<u>Proposal Price(S)</u> Firm Total Price	<u>\$697,612.00</u>	<u>\$870,212.00</u>	<u>\$1,710,402.00</u>		
2.	<u>Delivery Guarantee(s)</u> Design Completion: August 14 , 2020 Purchase of Materials: September 15, 2020 Final Installation Completion: December 18, 2020	<u>Guaranteed Delivery Date</u> <u>August 14, 2020</u> <u>September 15, 2020</u> <u>December 18, 2020</u>	<u>Guaranteed Delivery Date</u> <u>August 14, 2020</u> <u>September 15, 2020</u> <u>December 18, 2020</u>	<u>Guaranteed Delivery Date</u> <u>September 14, 2020</u> <u>November 16, 2020</u> <u>May 22, 2020</u>		



FRASER STRYKER

P C L L O

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May 22, 2020

Omaha Public Power District
444 South 16th Street
Omaha, NE 68102

RE: Request for Proposal No. 5744 – NC2 Cooling Tower Fire Protection Piping Replacement ("RFP No. 5744")

Ladies and Gentlemen:

We have reviewed the two (2) proposals received in response to RFP No. 5744. None of the bidders have submitted any material exceptions or clarifications to the District's contract documents. Subject to the District's technical and economic evaluation, all of the proposals received in response to RFP No. 5744 may be considered by the District's Board of Directors for the award of this contract. The form of performance and payment bond for the successful bidder also must be approved by the Board

Very truly yours,

Troy F. Meyerson/dlo

Troy F. Meyerson
FOR THE FIRM