

City of Grand Island

Tuesday, July 28, 2020 Council Session

Item G-9

#2020-167 - Approving Bid Award - Turbine Valve Overhaul at Platte Generating Station - Fall 2020

Staff Contact: Tim Luchsinger, Stacy Nonhof

Council Agenda Memo

From:	Timothy G. Luchsinger, Utilities Director Stacy Nonhof, Interim City Attorney
Meeting Date:	July 28, 2020
Subject:	Turbine Valve Overhaul – Fall 2020
Presenter(s):	Timothy G. Luchsinger, Utilities Director

Background

An inspection and overhaul of the turbine valves at the Platte Generating Station is performed every 2.5 years. The next overhaul is scheduled for the fall outage in October of this year. During this inspection, the turbine valves are completely disassembled, and all components are cleaned, inspected, repaired or replaced as necessary.

Specifications were developed by the plant maintenance staff to include all labor to open, inspect, clean, and close the turbine valves, with the Utilities Department to supply all required parts and materials. The Specifications include time and material rates for additions or reductions in the repair labor amount as the amount of actual work is not known until the valves are disassembled and inspected.

Discussion

The specification for the Turbine Valve Overhaul – Fall 2020, was advertised and issued for bid in accordance with the City Purchasing Code. Bids were publicly opened on July 7, 2020. The engineer's estimate for this project was \$800,000.00, with the bid results for the valve overhaul as follows:

			Total Adjusted Bid
Bidder	Bid Price	Valve Mapping	Price
GE Steam Power, Inc.			
Windsor, Connecticut	\$ 221,000.00	\$ **	\$221,000.00
HPI, LLC			
Houston, Texas	\$ 161,458.00	\$121,731.00	\$238,189.00
Mechanical Dynamics & Analysis			
Latham, New York	\$ 278,504.00	\$ 39,265.00	\$317,769.00
S.T. Cotter Turbine Services, Inc.			
Clearwater, Minnesota	\$291,799.83*	\$ 5,375.00	\$297,174.83
Power Services Group			
Cape Coral, Florida	\$ 336,685.00	\$ 59,018.00	\$395,703.00

Plant staff reviewed the bids for compliance with the City's detailed specification. The bid from *S.T. Cotter was not summed correctly in the bid documents and has been corrected. All other bidders had several exceptions to the work bid. Each exception was reviewed and determined acceptable with the recommended bidder.

The bids also included pricing for valve mapping, if mapping were to be required during inspection. When combining the valve mapping with the valve overhaul, the low bidder for the overhaul, HPI would no longer be the low bidder.

**GE Steam Power, Inc., the Original Equipment Manufacturer (OEM) stated they will be able to perform the valve overhaul without valve mapping, having all the original design drawings. Valve mapping is not recommended by GE Steam Power. The bid from GE Steam Power, Inc., of Windsor, Connecticut, has exceptions that are acceptable and less than the engineer's estimate.

Alternatives

It appears that the Council has the following alternatives concerning the issue at hand. The Council may:

- 1. Move to approve
- 2. Refer the issue to a Committee
- 3. Postpone the issue to future date
- 4. Take no action on the issue

Recommendation

City Administration recommends that Council award the Contract for the Turbine Valve Overhaul – Fall 2020 to GE Steam Power, Inc., of Windsor, Connecticut, as the low responsive bidder, with the bid in the amount of \$221,000.00.

Sample Motion

Move to approve the bid in the amount of \$221,000.00, from GE Steam Power, Inc., of Windsor, Connecticut, for the Turbine Valve Overhaul – Fall 2020 at Platte Generating Station.

Purchasing Division of Legal Department INTEROFFICE MEMORANDUM



Stacy Nonhof, Purchasing Agent

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BID OPENING

BID OPENING DATE:	July 7, 2020 at 2:00 p.m.
FOR:	Turbine Valve Overhaul – Fall 2020
DEPARTMENT:	Utilities
ESTIMATE:	\$800,000.00
FUND/ACCOUNT:	520
PUBLICATION DATE:	June 13, 2020

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NO. POTENTIAL BIDDERS:

SUMMARY

Bidder:	<u>GE Steam Powers, Inc.</u> Windsor, CT	<u>HPI, LLC</u> Houston, TX
Bid Security:	Philadelphia Indemnity Ins. Co.	SureTec Ins. Co.
Exceptions:	Noted	Noted
Bid Price:		
Material:	N/A	\$ 2,991.00
Labor:	\$221,000.00	\$158,258.00
Sales Tax:	N/A	\$ 209.00
Total Bid:	\$221,000.00	\$161,458.00
Option Valve Mapp	ing N/A	\$121,731.00
Bidder:	Power Services Group	Mechanical Dynamics & Analysis, LTD
Diddei	Cape Coral, FL	Latham, NY
Bid Security:	SureTec Ins. Co.	Federal Ins. Co.
Exceptions:	None	Noted
Bid Price:		
Material:	\$ 16,656.00	\$ 8,945.00

\$296,834.00

\$ 23,195.00

\$336,685.00

Optional Mapping: \$ 59,018.00

Labor: Sales Tax:

Total Bid:

\$268,888.00

\$278,504.00

\$ 39,265.00

\$

671.00

Bidder:	<u>S.T. Cotter Turbine Services, Inc.</u> Clearwater, MN
Bid Security:	The Guarantee Co.
Exceptions:	Noted
Bid Price:	
Material:	N/A
Labor:	\$273,160.00
Sales Tax:	<u>\$ 18,639.83</u>
Total Bid:	\$267,170.83
Optional Mapping:	\$ 5,375.00

cc: Tim Luchsinger, Utilities Director Jerry Janulewicz, City Administrator Stacy Nonhof, Purchasing Agent Karen Nagel, Utility Secretary Pat Gericke, Utilities Admin. Assist. Patrick Brown, Finance Director Lynn Mayhew, Assist. Utilities Director

P2212



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BID SPECIFICATION PACKAGE

for

TURBINE VALVE OVERHAUL – FALL 2020

C 129227

Bid Opening Date/Time

Tuesday, July 7, 2020 @ 2:00 p.m. (local time) City of Grand Island, City Hall 100 East 1st Street, P.O. Box 1968 Grand Island, NE 68802-1968

Contact Information

Lynn Mayhew, Assistant Utilities Director-Production City of Grand Island – Utilities Department Platte Generating Station 308/385-5496

Date issued: June 12, 2020

ADVERTISEMENT TO BIDDERS FOR TURBINE VALVE OVERHAUL – FALL 2020 FOR CITY OF GRAND ISLAND, NEBRASKA

Sealed bids for Turbine Valve Overhaul-Fall 2020 will be received at the office of the City Clerk, 100 E. First Street, P.O. Box 1968, Grand Island, Nebraska 68802, until **Tuesday, July 7, 2020 at 2:00 p.m. local time,** FOB the City of Grand Island, freight prepaid. Bids will be publicly opened at this time in the Grand Island City Hall City Clerk's Office located on 1st floor of City Hall. **Submit <u>an original and three</u> <u>copies</u> if submitting by mail. Bid package and any Addendas are also available on-line at <u>www.grandisland.com</u> under Business-Bids and Request for Proposals-Bid Calendar under the bid opening date. Bidding documents, plans and specifications for use in preparing bids may be downloaded from the QuestCDN website <u>www.QuestCDN.com</u> for a \$30.00 fee. Submitting through QuestCDN requires one original document of the bid to be uploaded. Bids received after the specified time will not be considered**.

The successful bidder will be required to comply with fair labor standards as required by Nebraska R.R.S.73-102 and comply with Nebraska R.R.S. 48-657 pertaining to contributions to the Unemployment Compensation Fund of the State of Nebraska. Successful bidder shall maintain a drug free workplace policy. Every public contractor and his, her or its subcontractors who are awarded a contract by the City for the physical performance of services within the State of Nebraska shall register with and use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska.

Each bidder shall submit with the bid a certified check, a cashiers check, or bid bond payable to the City of Grand Island in an amount no less than five percent (5%) of the bid price which shall guarantee good faith on the part of the bidder and the entering into a contract within fifteen (15) days at the bid price if accepted by the City. <u>Your certified check, cashiers check or bid bond must be submitted in a</u> <u>separate envelope attached to the outside of the envelope containing the bid</u>. Each envelope must be clearly marked indicating its contents. Failure to submit the necessary qualifying information and correct number of copies in clearly marked and separate envelopes will result in your bid not being opened or considered. Only surety companies authorized to do business in the State of Nebraska may issue bid bonds.

Bids will be evaluated by the Purchaser based on price, schedule, quality, adherence to schedule, plan and specifications, economy and efficiency of operation, experience and reputation of the bidder, ability, capacity, and skill of the bidder to perform contract required and adaptability of the particular items to the specific use intended.

The Purchaser reserves the right to reject any or all bids, to waive irregularities therein, and to accept whichever bid that may be in the best interest of the City, at its sole discretion.

No bidder may withdraw his/her bid for a period of thirty (30) days after date of bid opening.

RaNae Edwards, City Clerk

Advertised

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<u>TURBINE VALVE OVERHAUL – FALL 2020</u> <u>BID DATA FORM</u>

CITY OF GRAND ISLAND GRAND ISLAND, NE

The undersigned Bidder, having examined all specifications and other bidding documents, and all addenda thereto, and being acquainted with and fully understanding all conditions relative to the specified materials and equipment, hereby proposes to provide all materials, labor, equipment, tooling, supervision and technical expertise to overhaul ten (10) turbine valves at the Platte Generating Station. The purpose of this overhaul is to completely disassemble, visually inspect and non-destructive examination (NDE) the ten (10) turbine valves, FOB the City of Grand Island, freight prepaid, at the following price:

ITEM DESCRIPTION Base Bid:		EXTENDED COST
Material	\$	
Labor	\$	
Applicable Sales tax*	\$	
Total Base Bid	\$ 	
**Optional Valve Mapping \$	 	_

* If bidder fails to include sales tax in their bid price or takes exception to including sales tax in their bid price, the City will add a 7.5% figure to the bid price for evaluation purposes; however, the City will only pay actual sales tax due.

Exceptions Noted - Bidder acknowledges there are *Exceptions* and/or *Clarifications* noted to the above bid, and those exceptions are fully explained on a separate sheet, clearly marked, and included with the Bid.

Bidder Company Name		Dat	le
Company Address	City	State	Zip
Print Name of Person Completing Bid		Si	gnature
Email:	Те	lephone No	
According to Nebraska Sales and Use Tax Reselected to file with the Nebraska Department	•	n 1-017, Contractors, ch	eck which option you have
Nebraska law provides a sales and the construction, repair, or ann transmission, or distribution of would be exempt, all materials are	nexation of any electricity.	y structure used Separately state	for the generation, ed contractor labor

Option 1 (Section 1-017.05) Option 2 (Section 1-017.06) Option 3 (Section 1-017.07)

If the Nebraska sales and use tax election is not filed or noted above, the contractor will be treated as a retailer under Option 1 for sales and use tax purposes.

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**Optional Valve Mapping pricing. If Bid includes the Optional valve mapping scope of work, an alternate schedule shall be provided.

By checking this box, Bidder acknowledges the specified completion date of the project is **November 14, 2020.**

By checking this box, Bidder acknowledges that Addenda Number(s) _____ were received and considered in Bid preparation.

Note: If Bidder supplies individual unit pricing information as supplemental pricing to the base material and labor cost above, said individual pricing is proprietary information and should not be released under a public records request. The total base bid is not considered proprietary information and will be released pursuant to City Procurement Code.

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CHECKLIST FOR BID SUBMISSION

FOR

TURBINE VALVE OVERHAUL – FALL 2020

Bids must be received by the City Clerk before 2:00 p.m. on Tuesday, July 7, 2020.

The following items must be completed for your bid to be considered.

- □ Submittal of bid documents:
 - Option 1 Mailing: A signed original and three (3) copies of the bidding documents. Failure to submit the correct number of copies may result in your bid not being considered.
 - Note: Your certified check, cashiers check or bid bond should be clearly marked in a separate envelope attached to the signed original bid.
 - Option 2 QuestCDN (online): Purchase the bid specification through QuestCDN at their \$30.00 fee. Upload the signed original of the Bid Data Form, along with any supporting material required to meet the bid specification through QuestCDN. Upload your bid bond online through QuestCDN. Bidders using Certified check or Cashiers' Check must mail said check to the office of the City Clerk no later than the scheduled bid opening date and time and clearly marked with the project name.
- Bidders must complete and sign the Bid Data Form provided in these Documents. All blank spaces must be filled in. Bidders shall acknowledge receipt of any Addenda information on the Bid Data Form.
- Selection of Nebraska Sales Tax Option. If the Nebraska sales and use tax election is not filed or noted above, the Contractor will be treated as a retailed under Option 1 for sales and use tax purposes.
- A reference list of recent projects similar in scope and complexity.
- A summary of the experience of the superintendents and supervisors proposed for this project.
- Firm lump sum pricing; firm unit pricing in case adjustments are necessary, and breakout of sales tax pricing.
- A proposed detailed test schedule that identifies the work scope items, shifts and manpower loading for each day of the outage. If valve mapping is priced as an optional scope of work, an alternate schedule shall be provided.
- Exceptions to the specification or Owner's Contract Document must be provided with Bid.
- □ A copy of your OSHA compliant Confined Space Procedure and Respiratory Protection Procedure.
- Acknowledgment of Addenda Number(s) _____.

Please check off each item as completed to ensure compliance. If you have any questions, please feel free to contact our office prior to the bid opening date/time.

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INSTRUCTIONS TO BIDDERS

1. GENERAL INFORMATION.

The following instructions outline the procedure for preparing and submitting Bids. Bidders must fulfill all requirements as specified in these Documents.

2. TYPE OF BID.

Bidders shall be required to submit prices for all items listed in the Bid Data Form.

3. PREPARATION OF BIDS.

Bidders shall use only the Bid Data Form provided in these Documents. All blank spaces in the Bid Data Form must be filled in, preferably in BLACK ink, in both words and figures where required. No changes to the wording or content of the forms is permitted. Written amounts shall govern in case of discrepancy between the amounts stated in writing and the amounts stated in figures.

Prices stated shall be f.o.b. with freight and full insurance paid by Bidder, to the job site located in Grand Island, Nebraska.

The Bidder shall acknowledge receipt of all Addenda in the Bid Data Form. Bids received without acknowledgement or without the Addendum enclosed will be considered informal.

Individual unit pricing as listed on the Bid Data Form or supplied as supplemental information may be deemed proprietary information and not be released under a public records request. The total amount of the bid is not considered proprietary information and will be released pursuant to City Procurement Code.

4. SUBMISSION OF BIDS.

All Bids must be submitted intact with the correct number of copies no later than the time prescribed, at the place, and in the manner set forth in the ADVERTISEMENT FOR BIDS. Bids must be made on the Bid Data Form provided herein. Each Bid mailed must be submitted intact in a sealed envelope, so marked as to indicate its contents without being opened, and delivered in person or addressed and mailed in conformance with the instructions in the ADVERTISEMENT FOR BIDS.

5. BID SECURITY.

Bids must be accompanied by cash, a certified check, or cashier's check drawn on a bank which is insured by the Federal Deposit Insurance Corporation, or a bid bond issued by a Surety authorized to issue such bonds in the state where the Work is located, in the amount of 5 percent of the bid amount payable to OWNER. This bid security shall be given as a guarantee that the Bidder will not withdraw their Bid for a period of thirty (30) days after bid opening, and that if awarded the Contract, the successful Bidder will execute the attached Contract and furnish a properly executed Performance Bond and Payment Bond, each in the full amount of the Contract price, within the time specified.

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The Attorney-in-Fact that executes this bond on behalf of the Surety must attach a notarized copy of his/her power of attorney as evidence of his/her authority to bind the Surety on the date of execution of the bond. Where State Statue requires, certification by a resident agent shall also be provided.

6. RETURN OF BID SECURITY.

Within fifteen (15) days after the award of the Contract, the OWNER will return the bid securities to all Bidders whose Bids are not to be further considered in awarding the Contract. All other retained bid securities will be held until the Contract has been finally executed, after which all bid securities, other than Bidders' bonds and guarantees which have been fortified, will be returned to the respective Bidders whose Bids they accompanied.

7. BASIS OF AWARD.

The award will be made by the OWNER on the basis of the Bid from the lowest responsive, responsible Bidder which, in the OWNER's sole and absolute judgment will best serve the interest of the OWNER. All Bids will be considered on the following basis:

Delivery time	Conformance with the terms of the Bid
Bid price	Documents
Cost of installation	
Suitability to project requirements	Responsibility and qualification of Bidder

The OWNER reserves the right to reject all Bids, or any Bid not in conformance with the intent of the Bid Documents, and to waive any informalities and irregularities in said Bids.

8. EXECUTION OF CONTRACT.

The successful Bidder shall, within fifteen (15) days after receiving notice of award, sign and deliver to the OWNER the Contract hereto attached together with the acceptable bonds as required in these Bid Documents. Within fifteen (15) days after receiving the signed Contract with acceptable bond(s) from the successful Bidder, the OWNER's authorized agent will sign the Contract. Signature by both parties constitutes execution of the Contract.

9. PERFORMANCE AND PAYMENT BONDS.

The successful Bidder shall file with the OWNER Performance and Payment Bonds in the full amount (100 percent) of the Contract price, as security for the faithful performance of the Contract and the payment of all persons supplying labor and materials for the Work under this Contract, and to cover all guarantees against defective workmanship or materials, or both, for a period of one (1) year after the date of final acceptance of the Work by the OWNER. The Surety furnishing these bonds shall have a record of service satisfactory to the OWNER, be authorized to do business in the State where the OWNER's project is located and shall be named on the current list of approved Surety Companies, acceptable on Federal bonds as published by the Audit Staff, Bureau of Accounts, U.S. Treasury Department.

The Attorney-in-Fact (Resident Agent) who executes these bonds on behalf of the Surety must attach a notarized copy of his/her power-of-attorney as evidence of his/her authority to bind the Surety on the date of execution of the bond.

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10. TIME OF COMPLETION.

The time of completion of the Work to be performed under this Contract is the essence of the Contract. The time allowed for the completion of the Work is stated in the Bid Data Form.

11. GRATUITIES AND KICKBACKS.

City Code states that it is unethical for any person to offer, give, or agree to give any City employee or former City employee, or for any City employee or former City employee to solicit, demand, accept, or agree to accept from another person, a gratuity or an offer of employment in connection with any decision, approval, disapproval, recommendation, or preparation of any part of a program requirement or a purchase request, influencing the content of any specification or procurement standard, rendering of advice, investigation, auditing, or in any other advisory capacity in any proceeding or application, request for ruling, determination, claim or controversy, or other particular matter, pertaining to any program requirement or a contract or subcontract, or to any solicitation or proposal therefor. It shall be unethical for any payment, gratuity, or offer of employment to be made by or on behalf of a subcontractor under a contract to the prime contractor or higher tier subcontractor or any person associated therewith, as an inducement for the award of a subcontract or order.

12. FISCAL YEAR.

The City of Grand Island, Nebraska operates on a fiscal year beginning October 1st and ending on the following September 30th. It is understood and agreed that any portion of this agreement which will be performed in a future fiscal year is contingent upon the City Council adopting budget statements and appropriations sufficient to fund such performance.

CONTRACT AGREEMENT

THIS AGREEMENT made and entered into by and between **[SUCCESSFUL BIDDER]**, hereinafter called the Contractor, and the **CITY OF GRAND ISLAND**, **NEBRASKA**, hereinafter called the City.

WITNESSETH:

THAT, WHEREAS, in accordance with law, the City has caused contract documents to be prepared and an advertisement calling for bids to be published for *TURBINE VALVE OVERHAUL-FALL 2020;* and

WHEREAS, the City, in the manner prescribed by law, has publicly opened, examined, and canvassed the bids submitted, and has determined the aforesaid Contractor to be the lowest responsive and responsible bidder, and has duly awarded to said Contractor a contract therefore, for the sum or sums named in the Contractor's bid, a copy thereof being attached to and made a part of this Contract;

NOW, THEREFORE, in consideration of the compensation to be paid to the Contractor and of the mutual agreements herein contained, the parties have agreed and hereby agree, the City for itself and its successors, and the Contractor for itself, himself/herself, or themselves, and its, his/her, or their successors, as follows:

<u>ARTICLE I</u>. That the following documents shall comprise the Contract, and shall together be referred to as the "Agreement" or the "Contract Documents";

- 1. This Contract Agreement.
- 2. City of Grand Island's Specification for this project.
- 3. [NAME OF SUCCESSFUL BIDDER] bid signed and dated [DATE OF BID].

In the event of any conflict between the terms of the Contract Documents, the provisions of the document first listed shall prevail.

<u>ARTICLE II</u>. That the Contractor shall (a) furnish all tools, equipment, superintendence, transportation, and other construction materials, services and facilities; (b) furnish, as agent for the City, all materials, supplies and equipment specified and required to be incorporated in and form a permanent part of the completed work; (c) provide and perform all necessary labor; and (d) in a good substantial and workmanlike manner and in accordance with the requirements, stipulations, provisions, and conditions of the Contract documents as listed in the attached General Specifications, said documents forming the Contract and being as fully a part thereof as if repeated verbatim herein, perform, execute, construct and complete all work included in and covered by the City's official award of this Contract to the said Contractor, such award being based on the acceptance by the City of the Contractor's bid;

<u>ARTICLE III</u>. That the City shall pay to the Contractor for the performance of the work embraced in this Contract and the Contractor will accept as full compensation therefore the sum (subject to adjustment as provided by the Contract) of **[DOLLAR AMOUNT]** (\$00.00) for all services, materials, and work covered by and included in the Contract award and designated in the foregoing Article II; payments thereof to be made in cash or its equivalent in the manner provided in the General Specifications.

The total cost of the Contract includes:

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Base Bid:	\$.00
Sales Tax on Materials/Equipment:	\$.00
Sales Tax on Labor:	\$.00
Total	\$.00

The City of Grand Island, Nebraska operates on a fiscal year beginning October 1st and ending on the following September 30th. It is understood and agreed that any portion of this agreement which will be performed in a future fiscal year is contingent upon the City Council adopting budget statements and appropriations sufficient to fund such performance.

<u>ARTICLE IV</u>. The Contractor hereby agrees to act as agent for the City in purchasing materials and supplies for the City for this project. The City shall be obligated to the vendor of the materials and supplies for the purchase price, but the Contractor shall handle all payments hereunder on behalf of the City. The vendor shall make demand or claim for payment of the purchase price from the City by submitting an invoice to the Contractor. Title to all materials and supplies purchased hereunder shall vest in the City directly from the vendor. Regardless of the method of payment, title shall vest immediately in the City. The Contractor shall not acquire title to any materials and supplies incorporated into the project. All invoices shall bear the Contractor's name as agent for the City. This paragraph will apply only to these materials and supplies actually incorporated into and becoming a part of the finished product of the TURBINE VALVE OVERHAUL-FALL 2020.

<u>ARTICLE V</u>. That the Contractor shall start work as soon as possible after the Contract is signed and the required bonds and insurance are approved, and that the Contractor shall deliver the equipment, tools, supplies, and materials F.O.B. Platte Generating Station, and complete the work on or before *November 14, 2020*.

<u>ARTICLE VI</u>. The Contractor agrees to comply with all applicable State fair labor standards in the execution of this Contract as required by Section 73-102, R.R.S. 1943. The Contractor further agrees to comply with the provisions of Section 48-657, R.R.S. 1943, pertaining to contributions to the Unemployment Compensation Fund of the State of Nebraska. During the performance of this Contract, the Contractor and all subcontractors agree not to discriminate in hiring or any other employment practice on the basis, of race, color, religion, sex, national origin, age or disability. The Contractor agrees to comply with all applicable Local, State and Federal rules and regulations. The Contractor agrees to maintain a drug-free workplace policy and will provide a copy of the policy to the City upon request. Every public contractor and his, her or its subcontractors who are awarded a contract by the City for the physical performance of services within the State of Nebraska shall register with and use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska.

<u>ARTICLE VII.</u> Gratuities and kickbacks: City Code states that it is unethical for any person to offer, give, or agree to give any City employee or former City employee, or for any City employee or former City employee to solicit, demand, accept, or agree to accept from another person, a gratuity or an offer of employment in connection with any decision, approval, disapproval, recommendation, or preparation of any part of a program requirement or a purchase request, influencing the content of any specification or procurement standard, rendering of advice, investigation, auditing, or in any other advisory capacity in any proceeding or application, request for ruling, determination, claim or controversy, or other particular matter, pertaining to any program requirement or a contract or subcontract, or to any solicitation or proposal therefor. It shall be unethical for any payment, gratuity, or offer of employment to be

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made by or on behalf of a subcontractor under a contract to the prime contractor or higher tier subcontractor or any person associated therewith, as an inducement for the award of a subcontract or order.

[SUCCESSFUL BIDDER] By______ Date ______ Title______ CITY OF GRAND ISLAND, NEBRASKA By_______ Date _______ Mayor Date _______ Attest: ________ City Clerk City Clerk

The Contract is in due form according to law and hereby approved.



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REQUEST FOR BIDS - GENERAL SPECIFICATIONS

The Bid shall be in accordance with the following and with all attached BID DATA and DETAILED SPECIFICATIONS.

All prices are to be furnished and installed FOB, Grand Island, Nebraska. All prices shall be firm, and shall include all sales and use taxes as lawfully assessed under laws and regulations of the State of Nebraska. * If bidder fails to include sales tax in their bid price or takes exception to including sales tax in their bid price, the City will add a 7.5% figure to the bid price for evaluation purposes; however, the City will only pay actual sales tax due.

Mailed bids shall include the following on the **outside** of the mailing envelope: **"Turbine Valve Overhaul-Fall 2020".** All bids submitted by mail must include <u>an original and three copies</u> of the bid. The bid specification and on-line bidding forms are also available at <u>http://www.grand-island.com/business/bids-and-</u> <u>request-for-proposals/bid-calendar</u> under the bid opening date and "Click here for bid document link" through QuestCDN for a \$30.00 fee. If submitting through QuestCDN, <u>one</u> original document of the bid is required to be uploaded. No verbal bids will be considered. All sealed bids are due no later than Tuesday, **July 7, 2020 at 2:00 p.m. local time**. to:

Mailing Address:	City Clerk	Street Address:	City Clerk
	City Hall		City Hall
	P. O. Box 1968		100 E. First Street
	Grand Island, NE 68802-1968		Grand Island, NE 68801

Bids will be opened at this time in the City Hall City Clerk's Office located on 1st floor of City Hall. Any bid received after the specified date will not be considered.

Bids will be evaluated by the Purchaser based on price, schedule, quality, adherence to schedule, plan and specifications, economy and efficiency of operation, experience and reputation of the bidder, ability, capacity, and skill of the bidder to perform contract required and adaptability of the particular items to the specific use intended.

The successful bidder will be required to comply with fair labor standards as required by Nebraska R.R.S.73-102 and comply with Nebraska R.R.S. 48-657 pertaining to contributions to the Unemployment Compensation Fund of the State of Nebraska. Contractor shall maintain a drug free workplace policy. Every public contractor and his, her or its subcontractors who are awarded a contract by the City for the physical performance of services within the State of Nebraska shall register with and use a federal immigration verification system to determine the work eligibility status of new employees physically performing services within the State of Nebraska.

Platte Generating Station / 1035 W. Wildwood Drive / Box 1968 / Grand Island, Nebraska 68802-1968 Phone (308) 385-5496 / FAX (308) 385-5353

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The equipment and materials must be new, the latest make or model, unless otherwise specified. Prior to approving the invoice for payment, the City reserves the right to thoroughly inspect and test the equipment to confirm compliance with specifications. Any equipment or material which does not meet the City's requirements will be returned at vendor's expense for correction. The invoice will be paid after approval at the next regularly scheduled City Council meeting and occurring after departmental approval of invoice; the City Council typically meets the second and fourth Tuesday of each month. Invoices must be received well in advance of Council date to allow evaluation and processing time.

Each bidder shall submit with the bid a certified check, a cashier's check, or bid bond payable to the City of Grand Island in an amount no less than five percent (5%) of the bid price which shall guarantee good faith on the part of the Bidder and the entering into a contract within fifteen (15) days at the bid price if accepted by the City. Your certified check, cashier's check or bid bond must be submitted in a separate envelope attached to the outside of the envelope containing the bid. Each envelope must be clearly marked indicating its contents. Failure to submit the necessary qualifying information and correct number of copies in clearly marked and separate envelopes will result in your bid not being opened or considered. Only surety companies authorized to do business in the State of Nebraska may issue bid bonds.

Successful bidder shall comply with the City's insurance requirements; performance and payment bonds are required for this project as outlined in the Detailed Specifications and Instructions to Bidders. All bids shall be valid for at least thirty (30) working days after the bid deadline for evaluation purposes.

All bids must be on the bid form and must be signed and dated to be accepted. If exceptions and/or clarifications are noted to the bid, those exceptions must be fully explained on a separate sheet, clearly marked, and included with the Bid. Any changes that are found made to the original bid specification, other than Owner generated Addendums, would result in your bid not being considered. Please contact Lynn Mayhew at 308-385-5494, for questions concerning this specification.

Platte Generating Station / 1035 W. Wildwood Drive / Box 1968 / Grand Island, Nebraska 68802-1968 Phone (308) 385-5496 / FAX (308) 385-5353

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TURBINE VALVE OVERHAUL-FALL 2020 DETAILED SPECIFICATIONS

<u>SCOPE:</u> The Contractor shall supply all material, labor, equipment, tooling, supervision, and technical expertise to overhaul ten (10) turbine valves at the Platte Generating Station as further detailed in these specifications. This will include project management, technical direction, field engineering, field labor and supervision, disassembly, cleaning, inspection, repairs, and reassembly. Replacement valve parts will be provided by the Owner as needed.

<u>DESCRIPTION:</u> The Platte Generating Station is located at 1035 W. Wildwood Drive, two (2) miles south of Grand Island, Nebraska.

The Unit 1 turbine generator is a 122,000 kva generator with a tandem-compound double flow, single reheat condensing turbine operating at main steam conditions of 1800 psi and 1000 F, and an exhaust pressure of 2.5 in. Hga as shown in the attached drawings. The unit was manufactured by General Electric Company and is turbine No. 197789. The most recent major inspection was performed in 2017.

REQUIREMENTS:

<u>TURBINE VALVES</u>: The purpose of this overhaul is to completely disassemble, visually inspect and nondestructive examination (NDE) the ten (10) turbine valves. Normal inspection work will also consist of examination, measuring and recording both as-found and as-left clearances, replacement of valve components and re-establishing design stem-to-bushing clearances by cleaning and/or component replacement. Photographic records shall also be provided to further demonstrate the accomplishment of the work and the condition of the equipment.

Main Stop Valve:

- Check condition of discs and seats including contact check between seat and disc.
- Record clearances and check run out of stems (5 locations).
- Clean stems and bushing, as required per try bar test.
- Mag particle and dye penetrant examine all valve parts.
- Visually examine linkages, pressure seal heads, steam strainers and valve body.
- Inspect studs and nuts and record bolt extensions.
- Lap valve seats to restore contact.

Control Valves and Bypass Valve:

- Check condition of discs and seats including contact between seats and discs.
- Record clearances and check run out of stems (5 locations).
- Clean stems and bushings, as required by try bar tests.
- Inspect linkages, pins
- Measure and record cam bearing clearances.
- Dye penetrant examine all valve parts.
- Visually examine heads, linkages, and valve bodies.
- Lap valve seats to restore contact.

Combine Intercept Reheat Stop Valves:

- Check condition of discs and seats including contact check between seat and disc.
- Record clearances and check run out of stems (6 locations).
- Clean stems and bushing, as required per try bar test.
- Inspect linkages, pins and bearings.
- Mag particle and dye penetrant examine all valve parts.
- Visually examine linkages, steam strainers and valve bodies.
- Inspect studs, nuts and record bolt extensions.
- Lap valve seats to restore contact.

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The Contractor shall prepare the valve stems, valve seats, studs and specified components for inspection using compressed air grit blasting. The blasting grit used during the process shall be silica free. The Contractor shall provide all protective booths or enclosures and evacuation systems required in order to avoid carryover of dust into other plant areas. All blasting shall be performed by trained personnel in accordance with the turbine manufacturer's recommendations. A compressed air supply will be available at the plant. The Contractor shall submit air supply requirements.

Non-destructive evaluation (NDE) by visual examination, dye penetrant testing and Mag Particle testing shall include the following components at a minimum:

All upper and lower Control Valves and bypass valve-Discs, seats, seat welds, stems, steam chest body

Intercepts-Valves, seats, seat inlays, seat welds, stems, steam chest body, strainers

Main Steam Stop-Anti-swirl dam, main valve disc, disc inlay, main valve seat, seat inlay, stem, strainer, valve body

RH Stops-Discs, seats, seat inlays, stems, stem nozzle seats

All NDE work shall be performed by well trained, qualified personnel using methods, procedures, materials and equipment in accordance with the turbine manufacturer's recommendations.

<u>CRANE OPERATOR</u>: The plant will provide a crane operator for the duration of the work.

<u>PLANT TOOLS AND EQUIPMENT</u>: Such turbine generator tools and equipment as may be available on site and are suitable for use may be checked out to the Contractor. The Contractor assumes full responsibility for assessing the suitability for use and assumes full responsibility for the return of such tools and equipment in good condition.

TURBINE COVER: The contractor shall remove the turbine cover and reinstall after completion of the work.

<u>INSULATION</u>: All insulation that must be removed for access to the work shall be removed and reinstalled by the Contractor. The insulation blankets shall be removed and organized such that they may be reinstalled in their current locations.

<u>INSTRUMENTATION</u>: Instrumentation that requires removal for access to the work shall be removed and reinstalled by plant personnel. The contractor shall assist in identification of instrumentation removal requirements and shall take such measures as necessary to assure instrumentation not removed is protected from damage by the Contractor's activities.

<u>CONTROL VALVE CALIBRATION</u>: The contractor shall work with plant technicians to stroke, calibrate and adjust the turbine valves. This requires accurate measurements by the contractor of valve clearances, rack movement, cam angular rotation, valve lift and accurate identification of crack points and dwell points as the plant technicians establish control voltage signal levels and check position feedback signals.

<u>JOB LOGS</u>: The contractor shall be required to maintain accurate job logs detailing all work performed each shift throughout the duration of the work.

<u>OTHER WORK IN PROGRESS:</u> Plant personnel will be working in the front standard to repair vibration probes and may perform work on other turbine instrumentation as required. Plant personnel and other contract personnel will be working on an excitation system upgrade. Plant personnel will be performing minor maintenance on the condenser and hood nozzles. Plant personnel may be performing minor maintenance to

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reduce air in-leakage on the turbine. This work should result in minimal interference.

<u>QUALIFICATIONS:</u> The Contractor shall be a firm specializing in executing the installation, inspection, and repair of steam turbine generator units used in the power generation industry. The Contractor shall be capable of providing direction during all stages of the turbine disassembly and reassembly. A reference list of recent projects similar in scope and complexity to this specification shall be provided.

All labor used in the performance of the work shall be well qualified, skilled tradesmen with extensive experience in the performance of turbine valve overhauls.

<u>SUPERVISION</u>: The Contractor shall provide qualified project Superintendent's for each shift that shall be thoroughly familiar with General Electric equipment and have had extensive previous experience with projects of similar scope. All turbine equipment information required by the contractor's representatives in order to provide technical direction to the working crews shall be immediately available, as required, in order to avoid delays to the start-up schedule. A summary of the experience of the superintendents and supervisors for this project shall be provided. The City reserves the right to approve the selection of a Superintendent and/or Foreman proposed by the Contractor.

<u>SCHEDULE</u>: The current schedule is to remove the unit from service on October 19th, 2020 at 10am and stay on turning gear for 48 hours. The Contractor may mobilize and perform such work as achievable during that period. The turbine must be closed and back on turning gear on November 16th, 2020 by 10am to allow reinstallation of instrumentation by plant personnel, reinstallation of insulation blankets and so the unit can be brought up to pressure and on line on November 18th, 2020 by 10am. The Contractor must therefore have completed all work by November 14th, 2020 other than minor scopes achievable while on turning gear and building pressure. The Contractor's base Bid shall be based on this schedule. The Contractor shall work such manpower, shifts, days and weekends as required to accomplish this schedule with all associated costs included in the bid.

The Contractor shall submit details of the proposed schedule with the bid. The schedule shall identify the work scope items, shifts and manpower loading for each day of the outage.

No later than thirty (30) days prior to the scheduled start of the outage, the Contractor shall furnish the Owner with a detailed schedule showing the overhaul activities by day and shift, job duration, job start and finish dates, and manpower loading. The Contractor shall participate in an outage coordination meeting at the Platte Generating Station no less than two (2) weeks prior to the outage.

There is no separate contractor entrance at the Platte Generating Station. There is one gate with a card access security system and the Contractor may request to use access cards rather than request entry and exit each trip. There is a \$25.00 charge for all access cards that are not returned when the job is completed.

<u>REPORTS</u>: Within thirty (30) days after the outage completion, the Contractor shall provide three (3) copies of a written report to the Owner detailing the repair, clearance readings, repairs, problems, photographs and describe in detail any short-term and long-term maintenance recommendations.

<u>SAFETY:</u> The Contractor is required to follow all applicable Federal OSHA and State safety regulations for the work. The Contractor will be required to follow the Plant's equipment tagging policy. A copy of your OSHA compliant Confined Space Procedure and Respiratory Protection Procedure to be provided with bid.

<u>OPTIONAL WORK SCOPE</u>: During the last Turbine Overhaul, it was recommended to conduct valve mapping to verify the alignment of the valves. The valve mapping was not conducted in 2017, Valve mapping shall be priced as an optional scope of work. An alternate schedule shall be provided.

<u>SERVICE RATES</u>: The Contractor shall include in the Bid a firm lump sum price, including expenses, and all other standard terms and conditions which will be in effect during the project for the outage schedule shown. The Bid shall also include firm unit pricing for adjustments that may be required for work outside of the specified scope of services. All turbine and valve parts will be furnished by the Owner and the Contractor shall furnish

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all consumables.

The Platte Generating Station is <u>NOT</u> tax exempt and is subject to 7.5% sales tax. See the Nebraska Department of Revenue web site at <u>www.revenue.state.ne.us</u> for contractor's tax information.

<u>OWNER PROVISION</u>: Portable toilet facilities will be provided by the owner. Plant restroom and shower facilities are not to be used by the Contractor's personnel. Drinking water is available on site.

<u>PERFORMANCE AND PAYMENT BONDS</u>: The successful Bidder shall file with the OWNER Performance and Payment Bonds in the full amount (100 percent) of the Contract price, as security for the faithful performance of the Contract and the payment of all persons supplying labor and materials for the Work under this Contract, and to cover all guarantees against defective workmanship or materials, or both, for a period of one (1) year after the date of final acceptance of the Work by the OWNER. The Surety furnishing these bonds shall have a record of service satisfactory to the OWNER, be authorized to do business in the State where the OWNER's project is located and shall be named on the current list of approved Surety Companies, acceptable on Federal bonds as published by the Audit Staff, Bureau of Accounts, U.S. Treasury Department.

The Attorney-in-Fact (Resident Agent) who executes these bonds on behalf of the Surety must attach a notarized copy of his power-of-attorney as evidence of his authority to bind the Surety on the date of execution of the bond.

INSURANCE: The Contractor shall comply with the attached City's insurance requirements.

<u>CONTACT:</u> Questions regarding this specification may be directed to Lynn Mayhew at the Platte Generating Station, telephone (308) 385-5494 or <u>Imayhew@giud.com</u>.

ATTACHMENTS:

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 STOP VALVE

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 INTERCEPT VALVE

 4103J76
 STOP VALVE

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 Outline OverView.pdf

 OverView.pdf
 STOP VALVE

 4103J55
 CAM SHAFT
 815D522

 BYPASS VLV

 4103J48
 POWER ACTUATOR
 873E105 P64

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MINIMUM INSURANCE REQUIREMENTS CITY OF GRAND ISLAND, NEBRASKA

The successful bidder shall obtain insurance from companies authorized to do business in Nebraska of such types and in such amounts as may be necessary to protect the Bidder and the interests of the City against hazards or risks of loss as hereinafter specified. This insurance shall cover all aspects of the Bidder's operations and completed operations. Failure to maintain adequate coverage shall not relieve Bidder of any contractual responsibility or obligation. Minimum insurance coverage shall be the amounts stated herein or the amounts required by applicable law, whichever are greater.

1. WORKERS COMPENSATION AND EMPLOYER'S LIABILITY

This insurance shall protect the Bidder against all claims under applicable State workers compensation laws. This insurance shall provide coverage in every state in which work for this project might be conducted. The liability limits shall not be less than the following:

Workers Compensation Employers Liability Statutory Limits \$100,000 each accident \$100,000 each employee \$500,000 policy limit

2. BUSINESS AUTOMOBILE LIABILITY

This insurance shall be written in comprehensive form and shall protect the Bidder, Bidder's employees, or subcontractors from claims due to the ownership, maintenance, or use of a motor vehicle. The liability limits shall not be less than the following:

Bodily Injury & Property Damage

\$ 500,000 Combined Single Limit

3. COMPREHENSIVE GENERAL LIABILITY

The comprehensive general liability coverage shall contain no exclusion relative to explosion, collapse, or underground property. The liability limits shall not be less than the following:

Bodily Injury & Property Damage

\$ 500,000 each occurrence \$1,000,000 aggregate

4. UMBRELLA LIABILITY INSURANCE

This insurance shall protect the Bidder against claims in excess of the limits provided under employer's liability, comprehensive automobile liability, and commercial general liability policies. The umbrella policy shall follow the form of the primary insurance, including the application of the primary limits. The liability limits shall not be less than the following:

Bodily Injury & Property Damage

\$1,000,000 each occurrence \$1,000,000 general aggregate

5. ADDITIONAL REQUIREMENTS

The City may require insurance covering a Bidder or subcontractor more or less than the standard requirements set forth herein depending upon the character and extent of the work to be performed by such Bidder or subcontractor.

Insurance as herein required shall be maintained in force until the City releases the Bidder of all obligations under the Contract.

The Bidder shall provide and carry any additional insurance as may be required by special provisions of these specifications.

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6. CERTIFICATE OF INSURANCE

Satisfactory certificates of insurance shall be filed with the City prior to starting any work on this Contract. The certificates shall show the City as an additional insured on all coverage except Workers Compensation. The certificate shall state that thirty (30) days written notice shall be given to the City before any policy is cancelled (strike the "endeavor to" wording often shown on certificate forms). If the Bidder cannot have the "endeavor to" language stricken, the Bidder may elect to provide a new certificate of insurance every thirty (30) days during the contract. Bidder shall immediately notify the City if there is any reduction of coverage because of revised limits or claims paid which affect the aggregate of any policy.

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Grand Island

Council Session - 7/28/2020



Council Session - 7/28/2020

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Grand Island

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Council Session - 7/28/2020

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REVISIONS

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ZONE LTR

RESOLUTION 2020-167

WHEREAS, the City of Grand Island invited sealed bids for Turbine Valve Overhaul – Fall 2020 at Platte Generating Station, according to plans and specifications on file with the Utilities Department; and

WHEREAS, on July 7, 2020, bids were received, opened and reviewed; and

WHEREAS, GE Steam Power, Inc., of Windsor, Connecticut, submitted a bid in accordance with the terms of the advertisement of bids and plans and specifications and all other statutory requirements contained therein, such bid being in the amount of \$221,000.00; and

WHEREAS, the bid of GE Steam Power, Inc., is than the estimate for Turbine Valve Overhaul – Fall 2020.

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE CITY OF GRAND ISLAND, NEBRASKA, that the bid of GE Steam Power, Inc., in the amount of \$221,000.00 for Turbine Valve Overhaul – Fall 2020, is hereby approved as the lowest responsible bid.

Adopted by the City Council of the City of Grand Island, Nebraska, July 28, 2020.

Roger G. Steele, Mayor

Attest:

RaNae Edwards, City Clerk

Approved as to Form	¤
July 24, 2020	¤ City Attorney