



Working Together for a
Better Tomorrow. Today.

SPECIFICATION PACKAGE

for

PRECIPITATOR, BOTTOM ASH AND BOILER INDUSTRIAL CLEANING FALL 2013 AND SPRING 2014 OUTAGES

Bid Opening Date/Time

THURSDAY, AUGUST 29, 2013 @ 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

**Darrell Dorsey, Plant Superintendent
City of Grand Island – Utilities Department
Platte Generating Station
308/385-5496**

Date issued: August 14, 2013

**ADVERTISEMENT TO BIDDERS
FOR
PRECIPITATOR, BOTTOM ASH AND BOILER INDUSTRIAL CLEANING
FALL 2013 AND SPRING 2014 OUTAGE
FOR
CITY OF GRAND ISLAND, NEBRASKA**

Sealed bids will be received at the office of the City Clerk, 100 E. First Street, P.O. Box 1968, Grand Island, Nebraska 68802, until Thursday, August 29, 2013 at 2:00 p.m. local time for Precipitator, Bottom Ash and Boiler Industrial Cleaning-Fall 2013 and Spring 2014 outage, FOB the City of Grand Island, freight prepaid. Bids will be publicly opened at this time in the Grand Island City Hall Council Conference Room #1 located on 1st floor of City Hall. Submit an original and three copies. Bid proposal package and any Addendas are also available on-line at www.grand-island.com under Business-Bid Calendars. Bids received after the specified time will be returned unopened to sender.

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 Treasurer 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 fourteen (14) 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.

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
Grand Island Independent**

(All bids must be submitted on this form)

PRECIPITATOR, BOTTOM ASH AND BOILER INDUSTRIAL CLEANING
FALL 2013 AND SPRING 2014 OUTAGE

BID DATA FORM

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 such equipment FOB the City of Grand Island, freight prepaid, at the following price:

<u>ITEM DESCRIPTION</u>	<u>EXTENDED COST</u>
Fall 2013 Base Bid:	
Precipitator Abrasive Cleaning	\$ _____
Vacuum Services	\$ _____
Bottom Ash Pressure Wash Services	\$ _____
Applicable Sales tax*	\$ _____
Fall 2013 Total Base Bid	\$ _____

Spring 2014 Base Bid:	
Precipitator Abrasive Cleaning	\$ _____
Vacuum Services	\$ _____
Bottom Ash Pressure Wash Services	\$ _____
Applicable Sales tax*	\$ _____
Spring 2014 Total Base Bid	\$ _____

2013/2014 Total Contract Base Bid	\$ _____

* 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 7.0% figure to the bid price for evaluation purposes; however, the City will only pay actual sales tax due.

Bidder acknowledges that Addenda Number(s) _____ were received and considered in Bid preparation.

By checking this box, Bidder acknowledges there are Exceptions noted to the bid.
NOTE: Any exceptions to specifications must be fully explained on a separate sheet attached to bid.

(All bids must be submitted on this form)

According to Nebraska Sales and Use Tax Requirements, Section 1-017, Contractors, check which option you have selected to file with the Nebraska Department of Revenue:

Nebraska law provides a sales and use tax exemption on contractor labor charges for the construction, repair, or annexation of any structure used for the generation, transmission, or distribution of electricity. Separately stated contractor labor would be exempt, all materials are taxable according to the contractor's option.

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.

Bidder Company Name _____ Date _____

Company Address _____ City _____ State _____ Zip _____

Print Name of Person Completing Bid _____ Signature _____

Telephone No. _____ Fax No. _____

By checking this box, Bidder acknowledges there are Exceptions noted to the bid.
NOTE: Any exceptions to specifications must be fully explained on a separate sheet attached to bid.

CHECKLIST FOR BID SUBMISSION

FOR

PRECIPITATOR, BOTTOM ASH AND BOILER INDUSTRIAL CLEANING
FALL 2013 AND SPRING 2014 OUTAGE

Bids must be received by the City Clerk before 2:00 p.m. on Thursday, August 29, 2013.

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

- A signed original and three copies of the bidding documents.
- Firm lump sum pricing; firm unit pricing in case adjustments are necessary, and breakout of sales tax pricing.
- A reference list of at least three projects of similar scope and complexity.
- A summary of the experience of the Supervisor proposed for this project.
- A copy of their OSHA compliant Confined Space Procedure and Respiratory Protection Procedure.
- Selection of Nebraska Sales Tax Option.
- Acknowledgment of Addenda Number(s) _____.
- 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.
- A certified check, cashiers check or bid bond 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 in clearly marked and separate envelopes will result in your bid not being opened.

Please check off each item as completed.

Company

Signature

Telephone No. _____

Fax No. _____

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.

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 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.

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 Statute 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:

Conformance with the terms of the Bid Documents.

Bid price.
Cost of installation.

Suitability to project requirements.
Delivery time.

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.

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 *PRECIPITATOR, BOTTOM ASH AND BOILER INDUSTRIAL CLEANING-FALL 2013 AND SPRING 2014 OUTAGE*; 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:

ARTICLE I. 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.

ARTICLE II. 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;

ARTICLE III. 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:

Base Bid:	\$.00
Sales Tax on Materials/Equipment:	\$.00
Sales Tax on Labor:	<u>\$.00</u>
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.

ARTICLE IV. 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 PRECIPITATOR, BOTTOM ASH AND BOILER INDUSTRIAL CLEANING-FALL 2013 AND SPRING 2014 OUTAGE.

ARTICLE V. 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 in accordance with the Outage schedule as noted in the Detailed Specification of the bidding documents.

ARTICLE VI. 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.

ARTICLE VII. 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.

[SUCCESSFUL BIDDER]

By _____ Date _____

Title _____

CITY OF GRAND ISLAND, NEBRASKA

By _____ Date _____
Mayor

Attest: _____
City Clerk

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

Attorney for the City Date _____

DRAFT

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 7.0% figure to the bid price for evaluation purposes; however, the City will only pay actual sales tax due.

Bids shall include the following on the **outside** of the mailing envelope: "**Precipitator, Bottom Ash and Boiler Industrial Cleaning**". All sealed bids are due no later than **Thursday, August 29, 2013 at 2:00 p.m. local time**. Submit **an original and three copies** of the bid to:

Mailing Address: City Clerk
City Hall
P. O. Box 1968
Grand Island, NE 68802-1968

Street Address: City Clerk
City Hall
100 E. First Street
Grand Island, NE 68801

Bids will be opened at this time in the City Hall Council Conference Room #1 located on 1st floor of City Hall. Any bid received after the specified date will not be considered. No verbal bid will 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.

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 cashiers check, or bid bond payable to the City Treasurer 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 fourteen (14) 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. Please contact Darrell Dorsey at 308-385-5492, for questions concerning this specification.

PRECIPITATOR, BOTTOM ASH AND BOILER INDUSTRIAL CLEANING
FALL 2013 AND SPRING 2014 OUTAGE
DETAILED SPECIFICATION

SCOPE: The Contractor shall provide all necessary materials, equipment, and labor to blast clean the collecting surfaces, discharge electrodes and internal structural steel of the electrostatic precipitator. The Contractor shall also:

- remove accumulated fly ash and blasting media from the economizer hoppers, precipitator ducts, expansion joints, inside of turning vanes, boiler slag tank and precipitator hoppers;
- perform high pressure water wash and line moling of bottom ash system tanks and piping;
- vacuum ash and slag in areas of boiler, air heater, precipitator and related duct work.

The full scope of work will be performed for each of two plant outages, currently scheduled for October 9-16, 2013 and May 5-12, 2014.

DESCRIPTION: The Platte Generating Station is located at 1035 W. Wildwood Drive, two miles south of Grand Island, Nebraska. The plant entrance is located two miles south of U.S. Highway 34 and 1 ½ miles east of U.S. Highway 281.

The Unit 1 steam generator is a tangential fired, natural circulation, superheat/reheat, pulverized coal-fired boiler manufactured by ABB-CE (CE Contract No. 13477). The steam generator produces 765,000 lb/hr (MCR) of steam at 1000 F and 1800 psi which is delivered to a 100,000 kw steam turbine. Steam generator auxiliary equipment includes a vertical rotor, Ljungstrom regenerative air heater (type 27-VI-90), a United Conveyor water impounded "W" type bottom ash storage hopper, and four CE-Raymond pulverizers (type 683 RS).

Precipitator Abrasive Cleaning

The electrostatic precipitator is a hot-side precipitator designed by Joy-Western Precipitator, and is described as follows.

<u>Item</u>	<u>Quantity</u>
Discharge Electrodes	7120
Collecting Plates	640
Plate Size	9' x 30'
Ash Hoppers	15 (Contractor shall clean 12 precipitator hoppers and 3 economizer hoppers)
Overall height	36' (excluding hoppers)
Overall width	97'
Distance from grade	62' (to top of precipitator hoppers)

The Contractor shall blast clean all collecting plates, electrodes, inlet and outlet distribution plates, both the perforated plates and zig zag plates and the internal structural steel. The contractor's equipment, procedures and practices must accomplish the ash removal without damage to the base metals.

The Contractor shall furnish all necessary materials, supplies tooling, equipment and labor, including but not limited to blasting and cleaning equipment, compressed air, blasting materials, and protective equipment for its employees. Electrical power will be available at the plant site. The precipitator ash hoppers will be emptied by plant personnel prior to the Contractor beginning work. Hopper doors will be closed by plant personnel prior to the commencement of Contractor cleaning operations unless such doors have been tagged open through the issuance of a red tag by the Owner's equipment tag out authority. Immediately prior to blasting, the Contractor shall contact the Owner's representative and review the status of equipment access doors.

Dried river sand shall be used as the media. Alternate blast media proposals may be submitted and will be considered at the sole discretion of the Utility. Information regarding source of media, MOH scale hardness, mesh size and required air blasting pressure shall be provided with the bid for both the dried river sand and any proposed alternates.

The precipitator shall have all ash removed to bare metal without causing damage to electrodes, plates, fasteners, or structures. The precipitator shall have all ash removed resulting in an ash free metal surface with a 95% ash removal efficiency without causing damage to electrodes, plates, fasteners, or structures. Any remaining residual ash deposits where blast cleaning fails to remove the material, the contractor shall utilize other methods of ash removal that accomplish the remaining cleaning without damage to the components and as are acceptable to the PGS designated representative. These cleanliness criteria will only be applied as an expected removal efficiency of the ash deposits from all surfaces and will not be applied to any remaining mill scale, rust, discoloration or other surface abnormalities of the underlying steel.

Precipitator Vacuum Cleaning

The Contractor shall vacuum all accumulated ash and media from the precipitator, precipitator hoppers, gas inlet flue areas, and other areas of work performed by the Contractor as described herein and dispose into on-site disposal areas. Any ash which is spilled by the Contractor onto the precipitator building floor or surrounding areas shall be fully cleaned by the Contractor. There are clean-out taps connected to the precipitator hoppers.

Ductwork Vacuum Cleaning

Vacuum work in the ducts shall generally consist of removing all ash from all boiler hot air ducts and boiler gas ducts, including:

- Air heater air side exit to wind box, to each aux air corner duct, and through each horizontal duct to up to the vertical drop for each mill
- The economizer ash hoppers and economizer gas exit duct work to each of 4 precipitator inlet ducts and inlet nozzles up to the zig zag inlet distribution plates.
- Precipitator outlet plenum to air heater gas inlet
- Air heater gas outlet to stack including hoppers
- Fly ash collects on the gas distribution devices, perforated plates and zig zag plates within the inlet and exit transition sections of the precipitator and accumulates on the sloped floors. Whereas all of the distribution plates must be blast cleaned, the contractor shall be responsible for staging and coordinating the vacuum work in these areas accordingly. The inlet and outlet transitions shall have all ash removed and the gas passages of the distribution plates shall be 100% opened and free of ash accumulations.

Additional Vacuum Cleaning Areas

All fly ash will also be removed from the following areas:

- Boiler Penthouse floors
- Fly ash silo
- Air Heater internal casing and support structure
 - o Note: Contractor shall take necessary measures to assure ash being vacuumed does not fall into the air heater baskets by covering the basket sections with wood or tarps. Hardened ash deposits may have to be removed by manual methods such as scraping, use of pneumatic vibration equipment or chisels or rodding prior to vacuuming.

The cooling tower basin will be cleaned by plant personnel and then vacuumed out by the contractor.

The bottom ash sump pit will be vacuumed out to remove all slag build up from the pit.

Bottom Ash Pressure Wash

The bottom ash system, consists of the below listed items. Each area shall be inspected and determined if cleaning is needed by plant personnel.

- Settling and surge and sump pump manifolds on top of dewatering bins.
- Upper, middle, and lower dewatering bin screens.
- Drip pans for both bins.
- Lower dewatering legs.
- Bottom ash hopper fluting lines.
- Bottom ash hopper water boxes.
- Slope flush headers to bottom ash hoppers.
- Fan room drains out to manhole.
- Bottom ash floor drains to manhole.
- Mechanical exhaust room drain.
- Low pressure ash sluice line from pump to building, header at bottom of boiler on seal trough, and before seal trough.
- Surge and settling tank sludge return in bottom ash building.
- Flushing header at the bottom of the boiler.
- Blow down tank drain header to manhole.
- Floor drains that are plugged.
- Bottom ash sluice line drain to bottom ash sump.
- Air heater hot side gas hoppers to manhole (which will need to be done before water blasting air heater).
- Manhole by precipitator transformers to surge tank overflow manhole.
- Mechanical exhaust room floor drain to bottom ash drains.
- Dewatering bin drain lines.
- Slope nozzle legs if needed (both hoppers).

Tools needed include but are not limited to:

- High pressure, high volume blaster capable of a minimum 20,000 psi. BJV blasting nozzle, 1" pipe nozzle, 6" pipe nozzle, 100' of blasting hose, supply hose from truck to foot pedal, and shot gun blaster.
- Rodding equipment suitable for removal of the ash and slag in designated areas.

DRAWINGS & SITE INFORMATION: Drawings have been provided with the bid package for reference only. Additional drawings are available for review at Platte Generating Station offices. The contractor is responsible for making such site visits as required to obtain additional details for bidding and execution of the work. The contractor is encouraged to conduct a pre-bid site visit for clarification of any questions or concerns the bidder may have related to the work scope and site conditions.

REQUIREMENTS: If the Contractor proposes alternative cleaning methods for consideration by the Owner other than as generally described herein for any portion of the work, full and complete descriptions must be included with the bid with separate pricing for the optional utilization of such proposed methods. References where the system has successfully been used must be included.

Bidder is solely responsible for obtaining any and all clarifications to this specification as may be required for the Bidder to submit an accurate and complete bid proposal.

NOTE: No ash or diesel fuel will be permitted to be spilled on equipment, structures, plant site grounds, or roads. The contractor shall maintain its equipment in top working condition to eliminate fluid leaks and equipment breakdowns that could delay the progress of the work. The contractor is responsible for having on site capability to take any and all extraordinary measures to fully contain and clean up any and all leaks from the contractor's equipment as well as to implement any and all necessary repairs to equipment as required to eliminate and avoid such leaks from further occurrence. The Contractor is responsible for clean up of all spilled ash and any diesel fuel spilled from equipment fueling operations. Upon completion, the Contractor shall leave the premises in a neat and clean condition with respect to his own operation.

Contractor will coordinate closely with PGS personnel on execution of all phases of the work and all safety requirements, including but not limited to:

- Provide information on all employees arriving at PGS
- Lock Out/Tag Out
- Confined Space Entry
- PGS Equipment Operation, such as fans and dampers
- Scheduling sequence of work scope items and related plant system preparations for work execution
- Inspections of completed work

Contractor shall be required to maintain accurate job logs detailing all work performed and a record of service hours and man-hours. Such job logs shall identify all individuals by name, craft and all hours worked on each portion of the work. At a minimum, such job logs shall accurately account for the man-hours by the following categories:

- Precipitator Abrasive Cleaning
- Vacuum cleaning
- High pressure water blasting and line cleaning

Any equipment that is operated on an hourly charge basis shall likewise be documented in the job log. Such equipment that is equipped with runtime metering shall also have the meter reading documented in the job log and verified by the PGS designated representative upon mobilization and demobilization.

OWNER PROVISIONS: Platte Generating Station (PGS) will provide:

- An owner's designated representative for on-site coordination with PGS
- Safety orientation for all contractor employees as related to PGS site safety considerations
- Dumpsters for trash and debris
- Portable toilet facilities with hand wash stations
- Potable water source for contractor's drinking water containers

- Designated contractor parking on site
- Electrical service connections for job trailers and equipment
- The bottom ash system will be open and inspected by plant personnel for contractor to clean.

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 to gain entry rather than request entry and exit each trip. There is a \$25.00 charge for all access cards that are not returned.

QUALIFICATIONS: The Contractor shall be a firm specializing in the provision of services as outlined within this scope for large-scale utility precipitators and boilers used in the electric power industry. The Contractor shall substantiate its experience through the submittal of three similar projects' reference list with the bid. The Contractor will be expected to perform the work without the assistance of Platte Generating Station personnel or tools, and comply with plant safety regulations and equipment tagout procedures.

SUPERVISOR: The Contractor shall provide well qualified supervisor(s) who will fully direct all field operations for the duration of the project, serve as liaison to the Owner's designated representative, be fully authorized to make any and all decisions affecting the work in the field and coordinate activities between the Contractor and its subcontractors, if any. A summary of the experience of the supervisor proposed for this project shall be provided with the bid.

INSPECTION: All work performed by the contractor will be inspected by the owner's designated representative or other assigned plant personnel upon notification by the Contractor that the contractor considers that portion of the work completed. The Contractor will be required to re-clean any areas in which bare metal cleanliness was not achieved or ash accumulations remain.

SCHEDULES: The PGS Fall Outage schedule is currently October 9-16, 2013. Though these dates are fairly firm, they remain subject to change based upon changing conditions relative to the needs of the Grand Island Utility as well due as outside influences typical of the industry. The overall schedule as related to this base work scope is currently expected to be executed as follows:

- | | |
|-----------------|---|
| Oct 9, 2013 | PGS unit is scheduled to be taken off-line at approximately 10am
Contractor may mobilize for staging of equipment and preparation work. |
| Oct 10, 2013 | Precipitator is released 24 to 30 hours after the unit is removed from service.
Blast cleaning of precipitator begins at noon.
Begin vacuum work at cooling tower in the morning.
Begin water blast cleaning on the Dewatering Bins. |
| Oct 11, 2013 | Complete the blast cleaning of the precipitator.
Begin vacuum cleaning in the precipitator. |
| Oct 12, 2013 | Complete vacuum work in the precipitator.
Begin vacuum cleaning work in boiler, duct work and air heater. |
| Oct 13-15, 2013 | Ongoing work with vacuum trucks, high pressure cleaning and line moling. |
| Oct 15, 2013 | All work required to be completed by the end of the work day. |
| Oct 16, 2013 | Unit On Line. |

The PGS Spring Outage schedule is currently May 5-12, 2014. Though these dates are not firm, they remain subject to change based upon changing conditions relative to the needs of the Grand Island Utility as well due as outside influences typical of the industry. The overall schedule as related to this base work scope is currently expected to be executed as follows:

- | | |
|----------------|---|
| May 5, 2014 | PGS unit is scheduled to be taken off-line at approximately 10am
Contractor may mobilize for staging of equipment and preparation work. |
| May 6, 2014 | Precipitator is released 24 to 30 hours after the unit is removed from service.
Blast cleaning of precipitator begins at noon.
Begin vacuum work at cooling tower in the morning.
Begin water blast cleaning on the Dewatering Bins. |
| May 7, 2014 | Complete the blast cleaning of the precipitator.
Begin vacuum cleaning in the precipitator. |
| May 8, 2014 | Complete vacuum work in the precipitator.
Begin vacuum cleaning work in boiler, duct work and air heater. |
| May 9-11, 2014 | Ongoing work with vacuum trucks, high pressure cleaning and line moling. |
| May 11, 2014 | All work required to be completed by the end of the work day. |
| May 12, 2014 | Unit On Line. |

SAFETY: The Contractor is required to follow their OSHA regulations for work in areas that are contaminated with fly ash and for areas that may be considered as confined spaces. **NOTE:** **All contractors must submit with the bid a copy of their OSHA compliant Confined Space Procedure and Respiratory Protection Procedure.** The Contractor will be required to provide proof that workers have successfully completed respiratory fit testing and pulmonary function testing and have been trained for confined space entry.

The Contractor shall be responsible for compliance with all safety practices as required by the regulatory agencies governing the Contractor's operations as well as any and all safety requirements of the Contractor's organization and shall submit historical evidence of such compliance. All personnel working on site will be required to participate in the plant's safety orientation prior to performing any work on site at PGS.

The plant has an equipment tag out procedure to prevent the unauthorized starting of motors and the unauthorized movement of valves and dampers. The Contractor is encouraged to investigate the procedure and add its own tags on top of the plant tags if required. *Removal of plant tags is not allowed and is cause for removal from the plant site.*

SERVICE RATES: The Contractor shall include in the Bid:

A firm, lump sum price including any and all costs associated with the Precipitator Abrasive Cleaning portion of work including, but not limited to, all expenses, equipment, labor, mobilization and demobilization, subcontractors, blast media and sundries. The base bid shall be based on use of Dried River Sand unless an alternative media has been proposed along with all information regarding the alternate media necessary for the owner, at its sole discretion, to make a determination as to the suitability of the media for use in this application.

A lump sum price based on 60 hours of all inclusive vacuum services operation including any and all costs associated with the Vacuum Cleaning Services portion of the work including, but not limited to, all expenses, equipment, labor, mobilization and demobilization, subcontractors, supplies and sundries.

A lump sum price based on 60 hours of all inclusive water blasting services including any and all costs associated with the High Pressure water blast cleaning and line cleaning portion of the work including, but not limited to, all expenses, equipment, labor, mobilization and demobilization, subcontractors, supplies and sundries.

Provide all other standard terms and conditions which will be in effect during the performance of the work as a separate attachment.

The Bid shall also include, as a separate attachment, firm unit pricing for all labor, equipment and expenses for adjustments that may be required for work scope modifications. Any additional services other than what is required in this specification or deletions of specified services shall be billed at the quoted unit rates.

A single contract will be awarded for all work included in this specification.

Subcontractors

The Bidder shall provide a separate attachment with the bid identifying all subcontractors, the work to be performed by the subcontractor(s) and references reflecting the subcontractor's prior performance of similar work scope. All subcontractors are subject to review and approval by the Utility and shall not be changed without prior notification, review and approval of the Owner.

The Platte Generating Station is NOT tax exempt and is subject to 7.0% sales tax. See the Nebraska Department of Revenue web site at www.revenue.state.ne.us for contractor's tax information.

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 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.

CONTACT: Questions regarding this specification may be directed to Darrell Dorsey at the Platte Generating Station, telephone (308) 385-5492.

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	Statutory Limits
Employers Liability	\$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.

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.**