

**COUNCIL ACTION FORM**

**SUBJECT: SPECIALIZED HEAVY DUTY CLEANING SERVICES CONTRACT FOR POWER PLANT BOILERS**

**BACKGROUND:**

On April 14, 2015, City Council approved preliminary plans and specifications for the Specialized Heavy Duty Cleaning Services Contract for Power Plant Boilers. These units require regular professional maintenance and repair. This consists of emergency service, as well as regularly scheduled planned repairs. The repair of the boilers on these generation units requires professional trade crafts such as boilermakers, steam/pipe fitters, and millwrights, to list a few.

The boiler units operate under environmental conditions with high heat and high pressure. Due to the operational conditions and fuel burned, the internal surfaces of the boilers are often covered with hardened ash, molten glass, and other substances, which coat the internal boiler tubes and boiler walls. Because of the conditions resulting from burning Refuse Derived Fuel (RDF), a reducing atmosphere exists in portions of the boiler and there are chlorides present from burning plastics. As a result, parts of the boiler units such as the superheat tubes and boiler wall tubes would eventually fail due to tube wasting.

When tube failures occur, the City contracts with private firms who have the expertise to perform the emergency repairs needed to bring the unit back into operation. Prior to the professional crafts entering the boilers to carry out inspections and repairs, the surfaces must be cleaned of ash coating and debris. **This “heavier duty” cleaning process requires high-pressure water washing, grit blasting, or use of explosives to loosen and remove the materials. After loosening or breaking up these substances, they are removed from the boiler using the sluice system or by large industrial vacuums.**

The benefits of having a contract for these services in place include the following:

- 1) Consistency of work and quality from a single contractor.
- 2) Reduction in the City’s exposure to market forces regarding prices and availability for labor, travel, and supplies in preparation for a scheduled outage.
- 3) Rapid contractor mobilization to start emergency repairs, thus reducing generation downtime.
- 4) Saved City staff time obtaining quotes, evaluating bids, and preparing specifications and other procurement documentation.

This contract is to provide specialized heavy duty cleaning services for the period from July 1, 2015 through June 30, 2016. The contract includes a provision that would allow the City to renew the contract for up to four additional one-year terms.

Bid documents were issued to fifteen companies. The bid was advertised on the Current Bid Opportunities section of the Purchasing webpage and a Legal Notice was published in the Ames Tribune. The bid was also sent to one plan room.

On May 13, 2015, a bid was received from one company as shown on the attached report.

Staff reviewed the bid submitted by Bodine Services of Clinton LLC, Clinton, IA, and concluded that it was acceptable.

The approved FY2015/16 Power Plant operating budget includes \$175,000 for boiler cleaning services to be performed under this contract. Invoices will be based on contract rates for time and materials for services actually received.

**ALTERNATIVES:**

1. Award the contract for the Specialized Heavy Duty Cleaning Services Contract for Power Plant Boilers to Bodine Services of Clinton LLC, Clinton, IA, for hourly rates and unit prices bid, in an amount not-to-exceed \$175,000.

This contract includes a provision that would allow the City to renew the contract for up to four additional one-year terms at stated rates.

2. Reject all bids and purchase specialized heavy duty cleaning services on an as-needed basis.

**MANAGER'S RECOMMENDED ACTION:**

This work is necessary to properly maintain Unit No. 7 and Unit No. 8 and to carry out emergency and scheduled repairs resulting from equipment failures. This contract allows the Power Plant to have reliable contractors available to perform these specialized cleaning services on very short notice in the event of an emergency repair. This contract also allows the Power Plant to control the costs of these services to the extent possible.

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative #1 as stated above.



**ITB 2015-165 SPECIALIZED HEAVY DUTY  
CLEANING SERVICES CONTRACT FOR POWER  
PLANT BID SUMMARY**

**Bodine Services of Clinton LLC  
Clinton, IA**

**GRIT BLASTING AND HYDRO BLASTING:**

DESCRIPTION	Hourly Rate (ST)	Hourly Rate (OT)	Hourly Rate (DT)
Superintendent	\$55.00	\$70.00	\$85.00
General Foreman			
Foreman / Driver	\$37.00	\$51.00	\$65.00
Journeyman			
Laborers	\$27.50	\$39.00	\$48.00
Standby: Safety Manager as requested	\$45.00	\$60.00	\$75.00

**Material Costs:** Cost Plus 10%

**Subsistence:** \* Per Diem charged only if manpower is deployed from branches outside of Iowa

Superintendent	\$85.00 per day per person
General Foreman	\$ _____ per day
Foreman	\$85.00 per day per person
Journeyman	\$95.00 per day per person
Laborers	\$85.00 per day per person
Standby	\$85.00 per day per person

**Travel and Mileage: Amount Per Mile**

Superintendent travel	\$55.00 per hour
Superintendent mileage	\$1.04 per mile
General foreman travel	\$ _____ per
General foreman mileage	\$ _____ per
Foreman travel / Driver	\$37.00 per hour
Foreman mileage	\$.71 per mile
Journeyman travel (Detonation tech)	\$.75 per mile
Journeyman mileage (Detonation tech)	\$.75 per mile
Laborers travel	\$27.50 per hour
Laborers mileage	\$.52 per mile
Standby travel	\$ _____ per
Standby mileage	\$ _____ per

**DETONATION BLASTING:**

DESCRIPTION	Daily Rate (ST)	Daily Rate (OT)	Daily Rate (DT)
Hours per day (10 hrs. or 12 hrs)	\$3,780.00	\$4,500.00	\$5,616.00
Number of crew members	3	3	3
Explosive Specialist	\$1,260.00	\$1,500.00	\$1,872.00
Explosive Foreman			
Foreman	(Above rates include all labor for a 12 hour shift conducting detonation services)		
Journeyman			
Operator			
Lancemen			
Drop charge (safe)			

**Subsistence:**

Superintendent	\$ _____ per day
General Foreman	\$ _____ per day
Foreman	\$ _____ per day
Journeyman	\$ _____ per day
Operator	\$ _____ per day
Lancemen	\$ _____ per day

**Travel and Mileage:**

Superintendent travel	\$ _____ per
Superintendent mileage	\$ _____ per
General foreman travel	\$ _____ per
General foreman mileage	\$ _____ per
Foreman travel	\$ _____ per
Foreman mileage	\$ _____ per
Journeyman travel	\$ _____ per
Journeyman mileage	\$ _____ per
Operator travel	\$ _____ per
Operator mileage	\$ _____ per
Lancemen travel	\$ _____ per
Lancemen mileage	\$ _____ per

**EQUIPMENT:**

DESCRIPTION (10 hour day)	Per Hour	Per Day
Grit blasting comp, grit pot, hoses	\$200.00	\$2,000.00
Hydro blast 20k pump and hoses	\$80.00	\$800.00
Hydro blast 10k pump and hoses (250 hp pump)	\$60.00	\$600.00
Hydro blast 10k plus auto head (525 hp hi-flow)	\$170.00	\$1,700.00
Hydro blast straight tips	\$2.00	\$20.00
Hydro blast spin tips (Barracuda Type)	\$15.00	\$150.00
Vacuum truck w/ operator	\$107.50	\$1,075.00
High pressure pumping service	\$145.00	\$1,450.00

**MISCELLANEOUS:**

DESCRIPTION	Bid Amount	Per U/M
Mobe and demobe mileage (foreman)	\$0.71	Mile
Mobe and demobe mileage (journeyman)		Mile
Mobe (personnel)	\$0.52	Mile
Mobe & demobe (vac truck) (includes drive)	\$2.03	Mile
Mobe & demobe (support vehicle)	\$0.80	Mile
Per Diem		Day
Explosive material	\$27.00	each shot
Blasting nozzles		each
6" plastic flex hose (ft)	\$1.25	each foot
300 hp pump	\$95.00	each hour
Pump		each
High pressure pumping services	listed above	service
Set-up		each
Grit media	\$150.00	each
Mobe & Demobe grit blast pot and hoses	\$1,400.00	each
Mobe & Demobe 1,600 cfm compressor	\$750.00	each

**Price Increase escalators for annual renewal terms (if applicable):**

Description	Increase
Labor Rates:	2% per year
Travel & Subsistence	2% per year
Equipment & Tools	2% per year