

COUNCIL ACTION FORM

SUBJECT: POWER PLANT SPECIALIZED WET DRY VACUUM, HYDRO BLAST, AND RELATED CLEANING SERVICES CONTRACT

BACKGROUND:

On April 11, 2017, City Council approved preliminary plans and specifications for Specialized Wet Dry Vacuum, Hydro Blast, and Related Cleaning Services Contract. The Power Plant's two gas-fired, high-pressure steam generation units are referred to as Units No. 7 and 8. These units require regular professional maintenance and repair. This consists of emergency service, as well as regularly scheduled planned repairs and services during scheduled outages. The cleaning and special preparation of the boiler surfaces on these generation units requires professional tradecrafts and maintenance experts. Both units operate under environmental conditions with high heat and high pressure, resulting in slag and other industrial debris coating the boiler and other plant equipment surfaces. Prior to repair and maintenance work, it is necessary to have the surfaces professionally cleaned using high-pressure water jets and vacuums.

In order to clean the surfaces, outside contractors are used who can provide mobile high pressure generator trucks with hoses and lances to cut through and wash away the industrial debris coatings. These same firms have the industrial vacuum trucks that can accumulate and contain this industrial debris for proper disposal. The goal of this contract is to meet these requirements in the most economical manner.

This contract is to provide specialized industrial cleaning for the Power Plant for the period of July 1, 2017 through June 30, 2018. 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 twenty-three companies and two plan rooms. The bid was advertised on the Current Bid Opportunities section of the Purchasing webpage and a Legal Notice was published on the websites of a contractor plan room service with statewide circulation and the Iowa League of Cities.

On May 11, 2017, bids were received from six companies as shown on the attached Bid Summary.

The attached Base Case Scenario shows a cost evaluation based on a sampling of personnel, equipment, and associated travel/per diem that the Power Plant requires for successful fulfillment for typical work scenarios performed on this service contract. The scenarios are: five trips of one day durations, one trip of two day duration, and one trip of three day duration.

Based on the summation of all of the typical work scenarios shown on the Base Case Scenario attachment, the bid submitted by Clean Harbors Environmental Services, Inc., Des Moines, IA, is the lowest cost.

Staff recommends that these services continue to be outsourced on an annual renewable contract basis. 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.

The approved FY2017/18 Power Plant operating budget includes \$85,000 for miscellaneous 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 Wet Dry Vacuum, Hydro Blast, and Related Cleaning Services contract to Harbors Environmental Services, Inc., Des Moines, IA, for hourly rates and unit prices bid, in an amount not-to-exceed \$85,000.


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 wet/dry vacuum, hydro blast, and related cleaning services on an as-needed basis.

MANAGER'S RECOMMENDED ACTION:


This work is necessary to ensure that a qualified professional firm will respond to both scheduled and emergency needs for these specialized cleaning services, and will also control costs by having established billing rates. Funds will be expended only as work is required and in accordance with approved invoices. Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative #1 as stated above.

BASE CASE SCENARIO

	Clean Harbors Environmental Services, Inc Des Moines, IA	HTH Companies, Inc Fort Dodge, IA	Bodine Services of Clinton, LLC Clinton, Iowa	W-S Industrial Services, Inc. Council Bluffs, Iowa	Plant Maintenance Services, L.L.C. Highland, IL	Hydro-Klean Des Moines, IA
5 Each - 1 Day Trips	Total	Total	Total	Total	Total	Total
Labor - On Site	\$432.00	\$630.00	\$390.12	\$402.00	\$444.00	\$810.00
Labor - Travel	\$0.00	\$238.35	\$429.13	\$82.35	\$0.00	\$157.55
Vac Truck - On Site	\$396.00	\$660.00	\$374.52	\$510.00	\$594.00	\$840.00
Vac truck - Travel	\$0.00	\$249.70	\$411.97	\$658.80	\$720.00	\$163.38
Vac Truck - Fuel Surcharge	\$0.00	\$0.00	\$15.73	\$0.00	\$3.92	\$0.00
Support Truck - On Site	\$108.00	\$0.00	\$93.66	\$0.00	\$30.00	\$240.00
Support Truck - Travel	\$0.00	\$0.00	\$103.03	\$362.34	\$540.00	\$46.68
Support Truck - Fuel Surcharge	\$0.00	\$0.00	\$3.93	\$0.00	\$0.00	\$0.00
Hose	\$300.00	\$0.00	\$260.00	\$400.00	\$400.00	\$400.00
1 Day Trip Total:	\$1,236.00	\$1,778.05	\$2,082.09	\$2,415.49	\$2,731.92	\$2,657.61
5 Each - 1 Day Trip Total:	\$6,180.00	\$8,890.25	\$10,410.45	\$12,077.45	\$13,659.60	\$13,288.05

1 Each - 2 Day Trip	Total	Total	Total	Total	Total	Total
Labor - On Site	\$864.00	\$1,260.00	\$780.24	\$804.00	\$888.00	\$1,620.00
Labor - Travel	\$0.00	\$238.35	\$429.13	\$82.35	\$0.00	\$157.55
Per Diem	\$0.00	\$170.00	\$180.00	\$170.00	\$220.00	\$0.00
Vac Truck - On Site	\$792.00	\$1,320.00	\$749.04	\$1,020.00	\$1,188.00	\$1,680.00
Vac truck - Travel	\$0.00	\$249.70	\$411.97	\$658.80	\$720.00	\$163.38
Vac Truck - Fuel Surcharge	\$0.00	\$0.00	\$23.22	\$0.00	\$7.84	\$0.00
Support Truck - On Site	\$216.00	\$0.00	\$187.32	\$0.00	\$60.00	\$480.00
Support Truck - Travel	\$0.00	\$0.00	\$103.03	\$362.34	\$540.00	\$46.68
Support Truck - Fuel Surcharge	\$0.00	\$0.00	\$5.81	\$0.00	\$0.00	\$0.00
Hose	\$300.00	\$0.00	\$260.00	\$400.00	\$400.00	\$400.00
2 Day Trip Total:	\$2,172.00	\$3,238.05	\$3,129.76	\$3,497.49	\$4,023.84	\$4,547.61

1 Each - 3 Day Trip	Total	Total	Total	Total	Total	Total
Labor - On Site	\$1,296.00	\$1,890.00	\$1,170.36	\$1,206.00	\$1,332.00	\$2,430.00
Labor - Travel	\$0.00	\$238.35	\$429.13	\$82.35	\$0.00	\$157.55
Per Diem	\$0.00	\$340.00	\$360.00	\$340.00	\$440.00	\$0.00
Vac Truck - On Site	\$1,188.00	\$1,980.00	\$1,123.56	\$1,530.00	\$1,782.00	\$2,520.00
Vac truck - Travel	\$0.00	\$249.70	\$411.97	\$658.80	\$720.00	\$163.38
Vac Truck - Fuel Surcharge	\$0.00	\$0.00	\$30.71	\$0.00	\$11.76	\$0.00
Support Truck - On Site	\$324.00	\$0.00	\$280.98	\$0.00	\$90.00	\$720.00
Support Truck - Travel	\$0.00	\$0.00	\$103.03	\$362.34	\$540.00	\$46.68
Support Truck - Fuel Surcharge	\$0.00	\$0.00	\$7.68	\$0.00	\$0.00	\$0.00
Hose	\$300.00	\$0.00	\$260.00	\$400.00	\$400.00	\$400.00
3 Day Trip Total:	\$3,108.00	\$4,698.05	\$4,177.42	\$4,579.49	\$5,315.76	\$6,437.61
GRAND TOTAL:	\$11,460.00	\$16,826.35	\$17,717.63	\$20,154.43	\$22,999.20	\$24,273.27

		2017-143 SPECIALIZED WET DRY VACUUM, HYDRO BLAST, AND RELATED CLEANING SERVICES CONTRACT FOR POWER PLANT BID SUMMARY					
		Clean Harbors Environmental Services, Inc Des Moines, IA	HTH Companies, Inc Fort Dodge, IA	Bodine Services of Clinton, LLC Clinton, Iowa	W-S Industrial Services, Inc. Council Bluffs, Iowa	Plant Maintenance Services, L.L.C. Highland, IL	Hydro-Klean Des Moines, IA
DESCRIPTION	Unit	Rate/Bid Amount	Rate/Bid Amount	Rate/Bid Amount	Rate/Bid Amount	Rate/Bid Amount	Rate/Bid Amount
Wet Dry Vacuum Service:							
Vac truck	Hour	\$66.00	\$110.00	\$62.42	\$85.00	\$99.00	\$140.00
Support truck	Hour	\$18.00	\$0.00	\$15.61	\$0.00		\$40.00
Hose	Foot	\$1.50	\$0.00	\$1.30	\$2.00		\$2.00
Operator / Lead service tech	Hour	\$40.00	\$52.50	\$37.45	\$35.00	\$46.00	\$70.00
Operator / Lead service tech (OT)	Hour	\$55.00	\$52.50	\$50.98	\$42.00	\$58.00	\$95.00
Service tech	Hour	\$32.00	\$52.50	\$27.57	\$32.00	\$37.00	\$65.00
Service tech (OT)	Hour	\$39.00	\$52.50	\$37.45	\$39.00	\$49.00	\$90.00
Vacuum Box 20 Cubic Yard	Day	\$55.00		\$57.22			
Per Diem						\$110.00 per man / per day	
Additional Personnel Travel						\$.50 per mile	
Tractor / Trailer with Operator (mobe/demobe)						\$2.00 per mile	
Straight Truck with Operator (mobe/demobe)						\$1.85 per mile	
Pick-up Truck with Operator (mobe/demobe)						\$1.50 per mile	
Hydro Blast Service:							
Hydro blast pump	Hour	\$156.00	\$175.00	\$72.83	\$120.00		n/a
Industrial hydroblaster	Hour	Included w/ Hydro blast pump	\$175.00	\$98.84	\$90.00		\$185.00
Support truck	Day	\$144.00	\$0.00	\$124.85	\$0.00		\$300.00
Operator / Lead service tech	Hour	\$40.00	\$52.50	\$37.45	\$35.00	\$46.00	\$70.00
Operator / Lead service tech (OT)	Hour	\$55.00	\$52.50	\$50.98	\$42.00	\$58.00	\$95.00
Operator / Lead service tech (OD)	Hour	\$65.00	\$52.50	\$64.50	\$47.00		\$120.00
Lead service tech	Hour	\$55.00	\$52.50	\$57.22	\$0.00	\$46.00	\$70.00
Service tech	Hour	\$32.00	\$52.50	\$27.57	\$32.00	\$37.00	\$65.00
Service tech (OT)	Hour	\$39.00	\$52.50	\$37.45	\$39.00	\$49.00	\$90.00
Service tech (OD)	Hour	\$46.00	\$52.50	\$46.82	\$44.00		\$115.00
Hi Flow Industrial Water Blaster	Hour			\$130.05			
Stake Body/Utility Truck	Day	\$210.00					
Hydroblasting Service: Standard (100-200 hp) 10,000 psi Hydroblasting Unit (150 HP): includes 200 ft of high pressure hose, supply water hose, high pressure shotgun, standard fixed nozzles and unit consumables						\$81.00 per hour	
Hydroblasting Service: Standard (300-425 hp) 10,000 psi Hydroblasting Unit (150 HP): includes 200 ft of high pressure hose, supply water hose, high pressure shotgun, standard fixed nozzles and unit consumables						\$112.50 per hour	
Hydroblasting Service: Standard (300-425 hp) 20,000 psi Hydroblasting Unit (150 HP): includes 200 ft of high pressure hose, supply water hose, high pressure shotgun, standard fixed nozzles and unit consumables						\$144.00 per hour	
Hydroblasting Service: High-Volume (600 hp) 10,000 psi Hydroblasting Unit (600 HP): includes 200 ft of high pressure hose, supply water hose, high pressure shotgun, standard fixed nozzles and unit consumables						\$175.50 per hour	
Hydroblasting Service: High-Volume (600 hp) 20,000 psi Hydroblasting Unit (600 HP): includes 200 ft of high pressure hose, supply water hose, high pressure shotgun, standard fixed nozzles and unit consumables						\$211.50 per hour	
Hydroblasting Service: High Volume (750 hp) 10,000 psi Hydroblasting Unit (750 HP): includes 200 ft of high pressure hose, supply water hose, high pressure shotgun, standard fixed nozzles and unit consumables						\$220.50 per hour	
Miscellaneous:							
Power washer	Day	\$250.00	\$200.00	\$249.70	\$250.00		\$400.00
Vacuum pipe trailer	Day	\$201.00	\$200.00	\$208.08	\$0.00		\$350.00
PPE kit	Each	\$25.00	\$0.00	\$0.00	\$25.00		\$240/day
Confined space entry	Each	\$175.00	\$0.00	\$130.05	\$0.00		\$60.00
Truck mounted water jet	Each	\$325.00	cannot offer	\$332.93	\$85.00		\$130.00
Truck wash out	Each	\$325.00	\$250.00	\$332.93	\$85.00		\$100.00
Liquid vacuum tanker truck	Day	\$512.00	cannot offer	\$624.24	cost plus 25%		\$1,040.00
Incident spill response trailer	Day	\$201.00	cannot offer	\$208.08	cost plus 25%		\$650.00
55 gal steel open top drum	Drum	\$68.00	cannot offer	\$73.03	cost plus 25%	\$35.00	\$60.00
Sanitizer	Each	cost plus 10%	\$0.00	cost plus 10%	cost plus 25%		\$60.00/gal
Waste Disposal	Drum	cost plus 10%	cannot offer	cost plus 10%	cost plus 25%		\$150.00 (estimate)
Consumables: Cost Plus		10%	10%	10%	15%	15%	15%