

COUNCIL ACTION FORM

SUBJECT: CONTINUOUS EMISSIONS MONITORING SYSTEM REPLACEMENT

BACKGROUND:

On March 27, 2018, City Council approved preliminary plans and specifications for the Continuous Emissions Monitoring System Replacement. This project is for replacement of the Continuous Emissions Monitoring System (CEMS) and the Continuous Opacity Monitoring System (COMS) used on Units #7 and #8 boilers. Both systems provide continuous relative data for specific emissions required by the State issued operating permit. The current systems are outdated and it is becoming very difficult to find spare parts and maintain reliability as more and more parts become obsolete. A complete system change-out is needed.

Bid documents were issued to twenty-nine companies and three 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 3, 2018, six bids were received as shown on the attached report. The Engineer's estimate of the cost of this project is \$560,000.

Electric Services staff has determined that additional time is needed to evaluate each of the remaining bids to determine which one best meets the needs of the City of Ames at the best price.

The proposed 2018/19 Capital Improvements Plan includes \$500,000 for the materials and installation for the Continuous Emissions Monitoring System Replacement. The additional funds, if needed once a bidder is selected, will come from the Power Plant Operation and Maintenance budget.


ALTERNATIVES:

1. Approve report of bids and delay award for the Continuous Emissions Monitoring System Replacement.
2. Award a contract to the apparent low bid.
3. Reject all bids and direct staff to rebid.

CITY MANAGER'S RECOMMENDED ACTION:

This project will allow the Power Plant to replace the current CEMS and COMS. It is crucial to perform this work in order to maintain compliance with the Electric Plant's operating permit and maintain reliability. **By choosing Alternative No. 1, staff will have more time to evaluate each bid and recommend an award that best meets the needs of the City of Ames.**

Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1 as stated above.

	ITB 2018-124 CONTINUOUS EMISSIONS MONITORING SYSTEM REPLACEMENT BID SUMMARY					
BIDDER:	C.E.M. Solutions, Inc Hernando, FL	STI CEMS Services, LLC Waldron, AR	Cemtek KVB-Enertec Santa Ana, CA	Teledyne Monitor Labs Englewood, CO	SBSMSILLC Dba MSI/Mechanical Systems Sun Prairie, WI	AC Systems Integration, Inc Tulsa, OK
BASE:						
Replace the current continuous emissions monitoring system (CEMS) as specified.	\$423,535.00	\$456,135.30	\$461,679.00	\$479,050.00	\$523,600.00	\$689,005.00
Sales and/or Use taxes included in LS Cost	Not licensed	Not licensed	Not licensed	Not licensed	\$29,634.00	Not licensed
Evaluated Total:	\$423,535.00	\$456,135.30	\$461,679.00	\$479,050.00	\$523,600.00	\$689,005.00
OPTIONS:						
Flow monitor	No bid	\$59,850.00	\$4,286.00	Below 2 options	No bid	\$31,670.00
EMRC				\$18,000.00		
Teledyne Delta Flow 180				-\$7,000.00		
Sales and/or Use taxes included in Cost	No bid	Not licensed	Not licensed	Not licensed	No bid	Not licensed
Deduct for Opacity Monitor	-\$29,665.00	-\$22,225.00	-\$27,094.00	-\$16,500.00	-\$20,000.00	-\$34,445.00
Deduct for Redundant HVAC	-\$2,310.00	-\$4,080.00	-\$1,800.00	Below 2 options	-\$5,000.00	-\$4,750.00
Adder for pressurization and air exchanges				\$20,700.00		
Deduct removes extra HVAC				-\$2,300.00		
RATA testing	\$20,900.00	\$23,800.00	\$16,889.00	\$31,400.00	No bid	\$36,920.00
Sales and/or Use taxes included in Cost	Not licensed	Not licensed	Not licensed	Not licensed	No bid	Not licensed
Credit for acceptance of the 'gently used' thermo mercury freedom system	No bid	-\$8,000.00	To be Determined	No bid	No bid	No bid
Unit price the sample line umbilical	\$42.56	\$46.00	\$51.00	\$45.00	\$19.00	\$31.00
Sales and/or Use taxes included in Cost	Not licensed	Not licensed	Not licensed	Not licensed	\$1.00	Not licensed