

COUNCIL ACTION FORM

**SUBJECT: ENGINEERING SERVICES FOR CONTINUOUS EMISSIONS
MONITORING SYSTEM REPLACEMENT AT THE POWER PLANT**

BACKGROUND:

Electric Services needs to engage an engineering firm to provide engineering services to prepare certified plans and specifications (stamped by an engineer licensed in Iowa) that will be issued by the City to prospective bidders for the replacement of the Steam Electric Plant's Continuous Emissions Monitoring System (CEMS), Continuous Opacity Monitoring System (COMS), and the Data Acquisition System (DAS). The engineering firm will also determine the structural suitability of the proposed system shelter location.

The Steam Electric Plant's operating permit requires the constant measuring of certain emissions during the entire time a generating unit is operating. The current systems are outdated and it is becoming very difficult to find spare parts and maintain reliability as more and more parts become obsolete. Due to the age of the system, contracted service support for the DAS will be ending December 31, 2018 without any option to renew. This service is used to correct errors in the programming that transfers data from the DAS to the Environmental Protection Agency for reporting that is performed each quarter.

The City initially requested proposals from 5 consulting engineering firms with expertise to perform the work. Four firms responded with proposals and based on the listed experience and knowledge within the proposals, three firms were chosen to perform an onsite presentation. One of the three firms, by their responses, proved to be uninterested in performing the work. The other two firms were and continue to be very interested. Both firms have personnel with significant credentials and the necessary experience to perform the work as required. The two final proposals are as follows:

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| <u>Black & Veatch Corporation, Overland Park, Kansas</u> | \$90,400 |
| <u>Power Engineers, Overland Park, Kansas</u> | \$128,000 |

The approved FY2015/16 Capital Improvement Plan includes \$550,000 for the engineering and purchasing of a replacement CEMS. Covering the Black & Veatch Corporation contract would leave \$459,600 to purchase and install the equipment.

ALTERNATIVES:

1. Award the scope of work to Black & Veatch Corporation of Overland Park, Kansas, in accordance with their proposal dated February 6 2018, in an amount not-to-exceed \$90,400.

2. Award the scope of work to Power Engineers of Overland Park, Kansas, in accordance with their proposal dated February 1, 2018, in an amount not-to-exceed \$128,000.
3. Require staff to seek other proposals for this work and delay the replacement of the CEMS, COMS, and DAS.

MANAGER'S RECOMMENDED ACTION:

This scope of work, the inspection and determination of structural suitability and the development of plans and specifications for the replacement of the emission monitoring systems, is a critical first step required to perform the “public improvement” replacement of the CEMS, COMS, and DAS. **The Black & Veatch Corporation has offered the lowest fee, demonstrated full competence, and indicated that they can perform the required work within the designated time frame.** Therefore, it is the recommendation of the City Manager that the City Council adopt Alternative No. 1 as stated above.