



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: January 19, 2016

Re: Authorizing a Software Licence Agreement with KEMA, Incorporated; Authorizing a Software Support Contract for Basic Software Service with KEMA, Incorporated; and appropriating funds for Cascade substation asset maintenance tracking software.

## Executive Summary

Staff is requesting Council authorization for the City Manager to enter into a Software Licence Agreement, a Software Support Contract for Basic Software Service with KEMA, Incorporated and appropriating funds for the Cascade substation asset maintenance tracking software. The City of Columbia is required by the North American Electric Reliability Corporation (NERC) to have a program to track the maintenance of all of its Bulk Electric System (BES) assets. Currently staff utilizes a combination of hand written records and a database to show compliance with several NERC standards relating to BES asset maintenance. Cascade software by KEMA, Incorporated was designed with the sole purpose of meeting these compliance needs. Water & Light is seeking licence and support agreements to implement the Cascade software to maintain compliance with these NERC Standards. The initial cost for this software and 1 year of support is \$198,563. Ongoing annual support is currently \$13,000.

## Discussion

The City of Columbia is required by the North American Electric Reliability Corporation (NERC) to develop and maintain a program to track the maintenance of all of its Bulk Electric System assets. Cascade was designed with the sole purpose of serving the asset management, operational and compliance needs of electric utilities. Cascade has been shaped by the input of the electric utility industry and now has more than 100 electric utilities as clients. This has resulted in Cascade being widely recognized as the leading equipment health focused asset management solution for electric utilities.

Cascade has incorporated the ability to collect inspection reads using mobile handhelds and laptops with FieldUnit licenses. At the heart of Cascade is the ability to collect and centralize operational and conditional data from multiple sources where it can be analyzed and acted upon. This data is made actionable within Cascade to provide the foundation of a robust health-based asset management system.

The Software Licence Agreement is for the following:

1. Cascade BaseStation Server Licence
  - A. 1-Consolidated Database
  - B. 35-Equipment Locations
  - C. 1-Concurrent User Licence
  - D. 1 Data Visualization Licence
2. 3-Additional Concurrent User Licences



- 3. 3- Field Unit Licences
- 4. Interface Modules
  - A. Doble Test Assistant interface module
  - B. (FLIR) infrared camera interface module

Services with the Software Support Contract for Basic Software Service agreement include the following:

- 1. Configuration consulting, installation assistance and training
- 2. All third party licence agreements
- 3. Data conversion of any existing databases.
- 4. 1st year of software support.

Water & Light is seeking licence and support agreements to implement the Cascade software which will greatly improve the quality of documentation to provide as evidence of compliance with NERC standards. Failure to comply with NERC standards can result in fines of up to \$1 million per day per violation. The initial cost for this software and 1 year of support is \$198,563. Ongoing annual support is currently \$13,000.

### Fiscal Impact

Short-Term Impact: The initial cost for this software and 1 year of support is \$198,563.  
Long-Term Impact: Ongoing annual support is currently \$13,000

### Vision & Strategic Plan Impact

[Vision Impacts:](#)

Primary Impact: Not Applicable, Secondary Impact: Not Applicable, Tertiary Impact: Not Applicable

[Strategic Plan:](#)

Primary Impact: Infrastructure, Secondary Impact: Not Applicable, Tertiary Impact: Not Applicable

[Comprehensive Plan Impacts:](#)

Primary Impact: Infrastructure, Secondary Impact: Not applicable, Tertiary Impact: Not Applicable

### Legislative History

Date	Action
NA	NA



# City of Columbia

701 East Broadway, Columbia, Missouri 65201

## Suggested Council Action

Authorize the City Manager to enter into a Software Licence Agreement and a Software Support Contract for Basic Software Service with KEMA, Incorporated and appropriating funds for the Cascade substation asset maintenance tracking software.