

# City of Columbia

701 East Broadway, Columbia, Missouri 65201



**Agenda Item Number:** B 373-14

**Department Source:** Water & Light

**To:** City Council

**From:** City Manager & Staff

**Council Meeting Date:** December 1, 2014

**Re:** Controls Upgrade at the Columbia Energy Center

## Documents Included With This Agenda Item

Council memo, Resolution/Ordinance

**Supporting documentation includes:** None

## Executive Summary

Staff has prepared for Council consideration a resolution setting a public hearing on December 15, 2014 and an ordinance authorizing bidding through the Purchasing Agent for the controls upgrade project at the Columbia Energy Center. The estimated cost of this project is \$2,500,000 and partial funding has been appropriated in the 2014 Capital Improvement Program under project EL0186.

## Discussion

Water & Light owns and operates the Columbia Energy Center (CEC); a 144 MW natural gas fired peaking electrical generating plant located at 4902 Peabody Road. The plant consists of four (4) GE frame 6B combustion turbines each having a nominal capacity of 36 MW. Water & Light purchased the plant from Ameren in 2011. The plant was originally constructed and placed into service in 2001. The original existing control systems are nearing end of useful life and are in need of updating to ensure high levels of reliability. In 2012, Sega Engineers were retained to review control systems at the plant. Sega recommended that turbine controls, balance of plant controls, and generator excitation controls be upgraded to ensure maintainability and high reliability for the plant.

The project will be constructed within the CEC grounds and structures. Water & Light held an interested parties meeting on September 18, 2014 at City Hall, and no comments were received.

## Fiscal Impact

**Short-Term Impact:** Partial funds for the project have already been appropriated in the 2014 Capital Improvement Program under project EL0186. Future appropriations will be required to complete the project.

**Long-Term Impact:** Improved reliability and maintainability of the CEC.

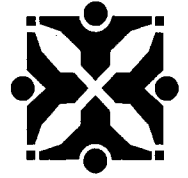
## Vision, Strategic & Comprehensive Plan Impact

Vision Impact: Development

Strategic Plan Impact: Infrastructure

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Comprehensive Plan Impact: Utilities

## Suggested Council Action

Approval of the resolution setting a Public Hearing for December 15, 2014. After public comment, approve the ordinance authorizing bidding and construction of the project.

## Legislative History

September 18, 2014 – Interested Parties meeting held.

  
Department Approved

  
City Manager Approved

Introduced by \_\_\_\_\_

First Reading \_\_\_\_\_

Second Reading \_\_\_\_\_

Ordinance No. \_\_\_\_\_

Council Bill No. B 373-14

### **AN ORDINANCE**

determining it is in the public interest to construct an upgrade to the existing control systems at the Columbia Energy Center; approving and adopting plans and specifications; determining that the work shall be done by contract; calling for bids through the Purchasing Division; providing for payment for the improvement; authorizing the City Manager to obtain, execute and record all documents necessary for the improvement; providing for compliance with the prevailing wage law and state-mandated construction safety training; and fixing the time when this ordinance shall become effective.

WHEREAS, the City Council adopted a resolution declaring the necessity of constructing an upgrade to the existing control systems at the Columbia Energy Center; and

WHEREAS, the notice of a public hearing on this project was published in a daily newspaper of general circulation in the city; and

WHEREAS, the City Council has held a public hearing on construction of the improvement.

NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE CITY OF COLUMBIA, MISSOURI, AS FOLLOWS:

SECTION 1. The Council finds that the construction of an upgrade to the existing control systems at the Columbia Energy Center, more specifically to include the upgrade of the turbine controls, balance of plant controls and generator excitation controls, in the City of Columbia, Missouri, is necessary for the welfare and improvement of the city and that it is in the public interest that such improvements be made.

SECTION 2. The plans and specifications for this improvement, as prepared by the Director of Water and Light, are hereby approved and made a part of this ordinance by reference.

SECTION 3. The construction of the improvement shall be done by contract in accordance with the plans and specifications, the laws of the State of Missouri, and the Charter and Ordinances of the City of Columbia, Missouri.

SECTION 4. The Purchasing Agent is hereby authorized to call for bids and execute a contract for the improvement.

SECTION 5. Payment for this improvement shall be made from the Water and Electric Fund using funds appropriated in Capital Improvement Project No. EL0186 and such other funds as may be lawfully appropriated.

SECTION 6. The City Manager is authorized to obtain, execute and have recorded all licenses, easements, deeds and any other conveyances or instruments necessary for the City to complete this improvement.

SECTION 7. The contract for the improvement shall provide that not less than the prevailing hourly rate of wages, as found by the Department of Labor and Industrial Relations of Missouri, shall be paid to all workers performing work under the contract. The contractor's bond shall guarantee the faithful performance of the prevailing hourly wage clause in the contract.

SECTION 8. The bid specifications and contract for the improvement shall provide that the contractor and any subcontractor shall provide a ten-hour Occupational Safety and Health Administration construction safety program (or a similar program approved by the Missouri Department of Labor and Industrial Relations) for all employees working on-site. All employees working on the site of the improvement are required to complete the safety program within 60 days of beginning work on the improvement project.

SECTION 9. This ordinance shall be in full force and effect from and after its passage.

PASSED this \_\_\_\_\_ day of \_\_\_\_\_, 2014.

ATTEST:

\_\_\_\_\_  
City Clerk

\_\_\_\_\_  
Mayor and Presiding Officer

APPROVED AS TO FORM:

\_\_\_\_\_  
City Counselor