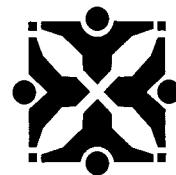


City of Columbia

701 East Broadway, Columbia, Missouri 65201



Agenda Item Number: R 193-15

Department Source: City Utilities - Water & Light

To: City Council

From: City Manager & Staff

Council Meeting Date: 12/21/2015

Re: Resolution to set a Public Hearing for transmission connection to the new proposed substation and system transmission improvements

Documents Included With This Agenda Item

Council memo, Resolution/Ordinance

Supporting documentation includes: Project History and Time Line Chart

Executive Summary

Staff has prepared for Council consideration, a resolution setting a public hearing for January 19, 2016 for transmission connection to the new proposed substation and system transmission improvements

Discussion

At the November 16, City Council Meeting a motion made by Ms. Nauser and seconded by Mr. Thomas to reconsider the transmission line project, and to hold the public hearing on January 19, 2016 was approved unanimously by voice vote.

Fiscal Impact

Short-Term Impact: None

Long-Term Impact: None

Vision, Strategic & Comprehensive Plan Impact

Vision Impact: Development

Strategic Plan Impact: Infrastructure...Connecting the Community

Comprehensive Plan Impact: Livable & Sustainable Communities

Suggested Council Action

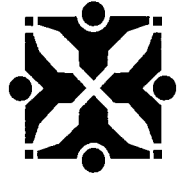
Approve the resolution setting a Public Hearing for the transmission connection to the new proposed substation and system transmission improvements on January 19, 2016

Legislative History

See included history and time line chart

City of Columbia

701 East Broadway, Columbia, Missouri 65201




Department Approved


City Manager Approved

A RESOLUTION

setting a public hearing to reconsider construction of a 161 kV transmission line to the Perche Creek substation and system transmission improvements.

WHEREAS, the City Council held a public hearing on July 15, 2013 relating to the construction of a 161 kV transmission line to the Perche Creek substation and system transmission improvements (hereinafter "Transmission Line Project"); and

WHEREAS, during the public hearing, the City Council considered several options and costs for the Transmission Line Project; and

WHEREAS, after hearing comments from City staff, citizens and interested persons at the public hearing, the City Council declared the necessity for the Transmission Line Project and made a motion directing staff to proceed with the plans and specifications for the following option:

Option A: This option serves power to the new proposed substation at the 161kV level with the new proposed substation acting as the common 161 kV terminal between the Perche Creek, Grindstone and McBaine substations. The 161 kV to 13.8 kV transformers would serve distribution load directly from the 161 kV transmission system. The estimated cost of the improvement is \$13 million for overhead electric distribution lines; \$92 million for underground electric distribution lines.

WHEREAS, at the City Council meeting on November 16, 2015, the City Council approved a motion that a public hearing be held on January 19, 2016 to reconsider the Transmission Line Project.

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

SECTION 1. A public hearing will be held before the City Council of the City of Columbia, Missouri in the Council Chamber in the City Hall Building, 701 E. Broadway, Columbia, Missouri on January 19, 2016 at 7:00 p.m. to reconsider construction of a 161 kV transmission line to the Perche Creek substation and system transmission improvements. All citizens and interested persons will be given an opportunity to be heard.

SECTION 2. The City Clerk is hereby directed to cause notice of this hearing to be published in a newspaper of general circulation in Boone County, Missouri.

ADOPTED this _____ day of _____, 2015.

ATTEST:

City Clerk

Mayor and Presiding Officer

APPROVED AS TO FORM:

City Counselor

City of Columbia

701 East Broadway, Columbia, Missouri 65201



**SUPPORTING DOCUMENTS INCLUDED WITH
THIS AGENDA ITEM ARE AS FOLLOWS:**

Project History and Time Line Chart

Columbia Water & Light's Electric Transmission and Substation Project

Historical Information

- 2007: Need for additional substation and transmission lines were identified.
- September 2009: Work session with the City Council on selection process for substation using the matrix selection criteria to create various routes.
- January 2009: Ten possible sites for a substation were identified and Interested Parties meeting for property owners in the area was held.
- Spring 2009: Interested seller approached the city about selling land on Peach Court.
- Summer 2009: A property owner in the area requested other properties be investigated
- September 2009: Water and Light Advisory Board recommended to the City Council to acquire property on Peach Court site
- February 2010: Pre-Council work session describing factors associated with building a new electric substation and three new, 161 kV transmission lines
- March 2010: City Council approved Bill B54-10 adopting an ordinance to acquire Peach Ct. site for substation
- June 2010: Consulting engineering firm presented Columbia Water & Light staff with three or more alternate routes for each transmission line section
- July 2010: Purchase of substation property was completed
- October 2010: Three Interested Parties meetings were hosted to introduce the public to the ten (with some small possible variations) proposed routes transmission line project. Letters were sent to property owners along the proposed routes and the event was covered in the local media. A different route was covered at each of these meetings. An engineer from Sega was available to talk to residents about electric and magnetic fields. Comments from customers/property owners and five to ten letters and e-mails were received each day in the weeks following the Interested Parties meeting. From this process, the public ranked these as the most favorable:
 - Streets preferred over backyards and cross country. Main roads preferred over side streets. Commercial corridors preferred over residential. Most direct route preferred (fewest angles in the route).
- Fall 2010: List-serv was created so those interested in the project could receive e-mail updates about the project.
- November 2010: City Council work session was held about substation and transmission lines were presented. Information about Electric and Magnetic Fields were presented. Questions and answers that came up during this meeting were posted on the city's website and distributed to the City Council. At this meeting, the City Council requested that another option be considered which would include using 69 kilovolt lines on the outer portion of the city limits.
- February 2011: Pre-City Council meeting presentation. Comments from 450 people living in the areas of the three proposed routes were reviewed. (This was for what is now known as Option A) It was noted during the presentation that both Ameren and Associated Electric Cooperative did not own/operate any underground high voltage transmission lines. The cost of

undergrounding lines was also reviewed along with photos of what is involved in burying transmission lines

- April 2011: Transmission project report discussed at the City Council meeting. The report included how feedback from those living near the suggested routes was used to decide which of the three routes was the most favorable. At this time, a change order to the contract with the engineering firm was approved so another route study could be completed (Option B).
- July 2011: Report to the City Council on possible Option B routes. Four routes were identified for the McBaine to Perche Creek substations. There were four possible routes identified to insert Millcreek substation between the Grindstone and Hinkson Creek substations.
- September 2011: An Interested Parties meeting was held and a presentation of the identified routes for Option B was reviewed. An engineer from Segal was available to talk to residents about electric and magnetic fields. Property owners along any of the proposed routes for Option B and the property owners along the Option A route were sent a letter about the meeting. The meeting was also covered by the local media. Written comments from those owning property in the areas of Option A and Option B (all possible routes) were collected.
- August 2012: Report to the City Council on Option B route options. Input collected from the public at this meeting was used in developing the evaluation matrix used for determining the preferred alignments identified in this report. After the Interested Parties meeting for the Option "B" routes identified by Segal, Inc., staff identified another alternative route for the McBaine to Perche Creek 161 kV line where approximately 37% of the line could be constructed on city property. This alternative route is only for the 161KV line in Option "B" it is being referred to as Option B-2 which is approximately 22% longer than the preferred route identified in Option B and was not initially identified Segal Inc. because of the lack of existing rights of way and the excessive length of the route
- November 2012: An open house was held which included a presentation. Information about the need for the transmission project, Option A selection process, Option B selection process, the advantages and disadvantages from an engineering standpoint, undergrounding information and costs were reviewed. Electric and Magnetic Fields were discussed during the question and answer section of the meeting. A letter was sent to any of the interested parties identified during the selection process for Option A and Option B and the neighborhood/home owner associations. The meeting was held on the Stephens College campus so it could be rebroadcast on CAT TV for four weeks after the meeting. Attendees were urged to take the online survey or fill out the survey at the meeting. The local media reported on the event.
- January 2013: A letter was sent to 39,500 Columbia Water & Light electric customers urging them to take a survey about the transmission project. The letter was sent in case there were people who had not read about the project through the city's communication outlets or through local media coverage. Staff members felt it was important to have the community weigh in on the project before the City Council's Public Hearing deciding the route. This project involves the reliability of Columbia's electric system and all electric utility customers would be paying for the transmission project. The deadline for the survey was February 1 and there were 1,500 responses to the survey.

- May 2013: A report to the City Council outlined the need for the project and considerable detail about the selection matrix and the results of the survey.
- June 2013: Presentation to the City Council at a work session included 88 slides since it included project information from the beginning of the project.
- July 2013: City Council Public Hearing. Columbia Water & Light staff members made a presentation which was a shorter version of the information presented at the work session. There was a possibility that there would also be Public Hearings on August 5 and 19 if the amount of people wishing to speak was not possible to get through in one meeting. Seventeen people commented during the public hearing and there was a great deal of City Council questions and discussion. Option A, built overhead, was approved by a vote of five to two.
- January 2015: Council work session to review the website and hotline for the transmission line project.

AT A GLANCE

Columbia Water & Light's Electric Transmission and Substation Project HISTORICAL INFORMATION

