



City of Columbia

701 East Broadway, Columbia, Missouri 65201

Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: October 5, 2020

Re: Authorizing an amendment to the agreement for professional services with Siemens Industry, Inc. for Integrated Resource Plan and Master Plan Services.

Executive Summary

Staff has prepared for Council consideration an ordinance authorizing the City Manager to execute an amendment to an existing agreement with Siemens Industry, Inc. for additional professional services needed to complete the Integrated Electric Resource and Master Plan.

Discussion

In September 2019, the City entered into an agreement with Siemens Industry, Inc. for professional services for the development of an Integrated Electric Resource and Master Plan (IER&MP), in the amount of \$722,548. The work is being done under the guidance of the IER&MP Task Force authorized by Council in March 2018.

As work has progressed, Siemens has identified two areas of the scope of work where the effort required to complete the associated tasks is greater than originally anticipated. One area concerns the development of the model of the distribution system that will be used as the basis for the spatial load forecast and distribution system master plan that will be developed by Siemens. This expanded effort will increase the agreement by \$49,278.

The other area concerns modeling of the Columbia Water & Light (CWL) transmission system and the surrounding Bulk Electric System. The transmission related changes are due to a need to study extraordinary transmission system issues experienced by CWL this past spring and by proposed changes that the University of Missouri (MU) desires to improve the reliability of their transmission system. The extra effort for transmission issues will increase costs by \$33,310.

The IER&MP Task force discussed these proposed changes at their meeting on July 8, 2020 and recommended that they be approved by Council. The Task Force did want the portion attributable to MU in the amount of \$10,890, to be reimbursed by MU, to which MU has agreed.

Funding for these additional expenses is available in the FY2021 operating budget.

Fiscal Impact

Short-Term Impact: The proposed amendment will increase the cost of the project by \$82,588 of which the University of Missouri will pay \$10,890.

Long-Term Impact: None.



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Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

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

Comprehensive Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Livable & Sustainable Communities, Tertiary Impact: Not Applicable

Legislative History

Date	Action
09/03/2019	B243-19A – An Ordinance authorizing agreements for professional services with Horizon Energy LLC and Siemens Industry, Inc. for the development of an Integrated Electric Resource Plan, an Electric Master Plan and an Electric Cost of Service Study, and appropriating funds.
11/19/2018	R184-18 – A Resolution approving the scope of work to be used for the solicitation of qualified consultants to assist in the development of an Electric Integrated Resource Plan, Master Plan and Cost of Service Analysis.
03/19/2018	R36-18A – A Resolution establishing an Integrated Electric Resource and Master Plan Task Force.

Suggested Council Action

Staff recommends Council approve an ordinance authorizing the City Manager to execute an amendment to the contracts with Siemens Industry, Inc. for professional services related to the development of the Integrated Electric Resource and Master Plan.