



# 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 4, 2021

Re: Authorizing an agreement with Midcontinent Independent System Operator, Inc. to provide an estimate of cost for substation facility improvements to accommodate Interconnection of Generation Project J1191 (Boone Stephens Solar I, LLC project).

## Executive Summary

Staff has prepared for Council consideration an ordinance authorizing the City Manager to execute an agreement with Midcontinent Independent System Operator, Inc. (MISO) to prepare an estimate of the cost to construct interconnection facilities at the Bolstad Substation. MISO will pay the City \$8360 for the work required to complete the estimate of cost. The interconnection will allow the proposed Boone Stephens solar project to connect to the City's electrical system and provide additional renewable energy to the City's electric customers.

## Discussion

In November 2019, the City entered into a power purchase agreement with Boone Stephens Solar I, LLC. This power purchase agreement will provide the City with renewable solar energy to help achieve the renewable energy goals included in current ordinance, the Climate Action and Adaptation Plan and the Strategic Plan. The proposed Boone Stephens project includes the construction of 64 megawatt solar facility north of Columbia. This will include the construction of a 69 kV transmission line from the solar facility to the City's Bolstad substation to transmit the electrical energy to the City's system.

Midcontinent Independent System Operator, Inc. is responsible for regulating generation projects and the interconnection of generation projects within its territory. The City, as the Transmission Owner, is responsible for all construction required to accommodate any generation project connecting to the City's system. MISO has requested the City perform a study to prepare an estimate of the cost for substation facility improvements necessary to allow the interconnection of the Boone Stephens solar facility with the City's electrical system at the Bolstad Substation. MISO will pay the City \$8360 to perform this study and prepare the cost estimate. The reimbursement of costs associated with constructing the transmission line and substation improvements will be addressed by future agreements between the City, MISO and Boone Stephens Solar I, LLC.

## Fiscal Impact

Short-Term Impact: \$8360 to the City paid by MISO.

Long-Term Impact: \$0



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## Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

Primary Impact: Reliable 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
11/18/2019	B337-19 Authorizing a power purchase agreement with Boone Stephens Solar I, LLC

## Suggested Council Action

Approval of the ordinance.