



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: April 1, 2024

Re: Authorizing an agreement with Boone Stephens Solar I, LLC and Midcontinent Independent System Operator, Inc. for generator interconnection.

Executive Summary

Staff has prepared for Council consideration an ordinance authorizing the City Manager to execute an agreement with Boone Stephens Solar I, LLC and Midcontinent Independent System Operator, Inc. (MISO) for generator interconnection of the Boone Stephens solar facilities at the Bolstad Electric Substation owned by the City of Columbia. Please see page #95 in Attachment A for a map of the project.

Discussion

The proposed Boone Stephens solar generation 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 Bulk Electric System. In 2021, the City performed a study, paid by MISO, to prepare an estimate of the cost for substation facility improvements necessary to allow the interconnection.

Midcontinent Independent System Operator, Inc. is responsible for regulating generation projects and the interconnection of generation projects to the Bulk Electric System within its territory. As a Transmission Owner, the City is obligated to agree to generator interconnections approved by MISO. The Interconnection Customer, Boone Stephens Solar I, LLC, is responsible for the interconnection facilities to Bolstad substation. The City, as the Transmission Owner, is responsible for all facilities at Bolstad substation required to accommodate the interconnection. The interconnection details, security requirements and reimbursement of costs associated with interconnecting the Boone Stephens transmission line and substation improvements are addressed by this generator interconnection agreement between the City, MISO and Boone Stephens Solar I, LLC. In this agreement the City agrees to construct all the upgrades necessary to the Bolstad substation for interconnection at an estimated cost of \$473,600.00. The Interconnection Customer, Boone Stephens Solar I, LLC, is responsible for all costs associated with the interconnection and will reimburse the City.

Fiscal Impact

Short-Term Impact: Estimated costs at Bolstad Substation of \$473,600.00 to be reimbursed by Stephens Solar I, LLC.

Long-Term Impact: Costs to be paid by Stephens Solar I, LLC.



Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

Primary Impact: Reliable and Sustainable Infrastructure, Secondary Impact: Organizational Excellence, Tertiary Impact: Not Applicable

Comprehensive Plan Impacts:

Primary Impact: Infrastructure, Secondary Impact: Inter-Governmental Cooperation, Tertiary Impact: Not Applicable

Legislative History

Date	Action
01/03/2022	B407-21 Authorizing a first amendment to the power purchase agreement with Boone Stephens Solar I, LLC.
10/18/2021	B325-21 Authorizing an agreement for study services with Midcontinent Independent System Operator, Inc. to provide an estimate of cost to allow the interconnection of the Boone Stephens solar facility with the City's electrical system at the Bolstad Substation.
11/18/2019	B337-19 Authorizing a power purchase agreement with Boone Stephens Solar I, LLC

Suggested Council Action

Approval of the ordinance.