



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: September 16, 2024

Re: Authorizing construction of one (1) new 69 kV bus for a solar generator interconnection at the Bolstad Substation, calling for bid through the Purchasing Division, authorizing a contract for the work using a term and supply contract, or performing the work using city forces.

Executive Summary

Staff has prepared for Council consideration an ordinance authorizing construction and issuing a contract for the work by bid call through Purchasing Division or use of city forces for the addition of one (1) new 69 kV bus for a generator interconnection of the Boone Stephens Solar I, LLC facilities at the Bolstad Electric Substation. The project location is shown on the attached Location Map. A public hearing was held on September 3, 2024. The resolution estimate for this project is \$473,600 and will be paid from Capital Improvement Project E0221 and will be reimbursed by Boone Stephens Solar I, LLC.

Discussion

On April 16, 2024 the City of Columbia entered into a three-party agreement between the Midcontinent Independent System Operator, Inc (MISO) and Boone Stephens Solar I, LLC for the proposed Boone Stephens solar generation project, which includes the construction of 64 MW solar facility north of Columbia and 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.

MISO 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 was obligated to agree to the 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. In accordance with the agreement, the City agreed to construct all the upgrades necessary to the Bolstad substation for generator 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 actual costs.

An Interested Parties (IP) Meeting was held on July 31, 2024, at City Hall and a Public Hearing for this project was held on September 3, 2024. This ordinance authorizes construction through use of the City's term and supply contracts, construction by city forces, or by bidding through the Purchasing Division. The resolution estimate for this project is \$473,600 and will be paid from Capital Improvement Project E0221 and will be reimbursed by Boone Stephens Solar I, LLC.



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Fiscal Impact

Short-Term Impact: \$473,600.00 to be reimbursed by Stephens Solar I, LLC.

Long-Term Impact: Minimal operations costs to maintain.

Strategic & Comprehensive Plan Impact

[Strategic Plan Impacts:](#)

Primary Impact: Reliable 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
09/03/2024	PH31-24 Proposed addition of one (1) new 69 kV bus at the Bolstad Substation to provide for generation interconnection to the Boone Stephens solar facility.
08/19/2024	R140-24 Setting a public hearing: proposed addition of one (1) new 69 kV bus at the Bolstad Substation to provide for generation interconnection to the Boone Stephens solar facility.
04/16/2024	B74-24 Authorizing an agreement with Boone Stephens Solar I, LLC and Midcontinent Independent System Operator, Inc. for generator interconnection of the Boone Stephens solar facilities with the Bolstad Substation
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.