



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: November 18, 2024

Re: Authorizing an Interconnection and Net Metering Agreement for greater than 100 kW system with the Missouri Conference of the United Methodist Church

Executive Summary

Staff has prepared for council consideration a resolution authorizing the City Manager to execute an Interconnection and Net Metering Agreement with the Missouri Conference of the United Methodist Church for a 136.5 kW solar photovoltaic installation to be built at 3601 Amron Ct.

Discussion

The Missouri Conference of the United Methodist Church is located at 3601 Amron Ct. This organization is looking to install a 136.5 kW roof top photovoltaic system to offset approximately 95 percent of the annual electrical usage at 3601 Amron Ct. In addition to offsetting the electrical usage, this system will also annually avoid approximately 131 metric tons of carbon dioxide equivalent, which is the equivalent carbon dioxide emissions from 31.2 gasoline powered passenger vehicles, per the EPA.

In accordance with the State of Missouri Net Metering and Easy Connection Act, the City of Columbia Utilities provides for interconnection of 100 kW or less solar systems located on a customer's premises through our standard Interconnection and Net Metering Agreement. The Net Metering and Easy Connection Act allows for solar interconnections of 100 kW or less, but does not prohibit larger systems from interconnecting with the grid. In order to accommodate interconnection of systems greater than 100 kW, the City Council must authorize the agreement.

Water & Light has offered a solar photovoltaic rebate since 2007. This rebate is offered for up to the first 100 kW of solar installed on new and existing buildings. As a result of this 136.5 kW installation, the Missouri Conference of the United Methodist Church will qualify for a solar rebate of \$50,000. This is the maximum rebate allowable through the utility's solar rebate program regardless of the system size. This rebate will be paid out at project completion.

Fiscal Impact

Short-Term Impact: \$50,000 from the solar rebate program budget

Long-Term Impact: No additional cost is anticipated



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Strategic & Comprehensive Plan Impact

Strategic Plan Impacts:

Primary Impact: Resilient Economy, Secondary Impact: Reliable and Sustainable Infrastructure, Tertiary Impact: Not Applicable

Comprehensive Plan Impacts:

Primary Impact: Economic Development, Secondary Impact: Environmental Management, Tertiary Impact: Infrastructure

Legislative History

Date	Action
06-15-2020	R78-20 Authorization of an interconnection and net metering agreement with Shelter Mutual Insurance Company for a 300 kW solar photovoltaic system on property located at 1817 W. Broadway.

Suggested Council Action

Approval of the resolution.