



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: June 17, 2019

Re: Ordinance Authorizing Construction – Truman Solar Electric Feeder Extensions

Executive Summary

Staff has prepared for Council consideration an Ordinance authorizing the construction of two electrical feeder circuits to connect the proposed 10 MW Truman Solar Facility east of Burnside Drive. Funding for this project has been allocated under project number E0205 of the Capital Improvement Program. The estimated costs of these feeder extensions, including switchgear and metering work at the Truman Solar site is \$1,300,000. An interested parties meeting for this project was held on Tuesday, November 6, 2018 and a Public Hearing was held on December 17, 2018 and tabled until the January 22, 2019 Council meeting after a second interested parties meeting was held on January 10, 2019.

Discussion

The Truman Solar Electric Feeder Extension Project will extend two existing 3-phase 13.8 kV Rebel Hill Substation circuits from their current termini to the proposed Truman Solar site as shown on Exhibit A. The two circuits will be extended to the solar interconnection point from an existing underground switchgear on Copse Court (RH224) and a riser constructed on an existing pole near the intersection of St. Charles Road and Elderbrook Drive (RH211), respectively. The proposed 3-phase line extensions will be constructed underground with an overall circuit length of approximately 11,800 feet. This work will include interconnection work consisting of two switchgear and metering lineups on the solar site.

The total estimated cost for this project is \$1,300,000, with approximately \$96,000 in work and materials required for the interconnection facilities on the solar site. Payment for this project is planned to be made from funds appropriated under Capital Improvement Project No. E0205 for Truman Solar Feeder Extension Project.

Upon Council approval, plans and specifications for construction will be finalized and issued for construction utilizing Electric Distribution staff and existing term and supply contracts.

Fiscal Impact

Short-Term Impact: \$1,300,000 appropriated in Capital Project E0205.

Long-Term Impact: None



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Strategic & Comprehensive Plan Impacts

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
2/5/2018	B31-18 Authorizing a solar project power purchase agreement with Truman Solar LLC.
2/5/2018	B32-18 Authorizing a small generator interconnection agreement with Truman Solar, LLC.
10/1/2018	B231-18 Rezoning property located on the south side of I-70 Drive SE, approximately 2,000 feet east of St. Charles Road, from District A (Agriculture District) to District PD (Planned District); approving the statement of intent; approving the "Truman Solar" PD Plan; granting a design adjustment relating to landscaping and screening (Case No. 18-115).
1/22/19	PH49-18 Public Hearing
2/18/19	B46-19 Authorizing the acquisition of easement related to the extension of feeder circuits to the Truman Solar facility

Suggested Council Action

Staff recommends Council adopt an ordinance authorizing construction of the Truman Solar Feeder Extension Project.