



Department Source: City Utilities - Water and Light

To: City Council

From: City Manager & Staff

Council Meeting Date: December 17, 2018

Re: Public Hearing – Truman Solar Electric Feeder Extensions

Executive Summary

A Public Hearing for the 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.

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. Some additional easement acquisitions will be required to complete the line extension as planned.

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.

As part of the public improvement process, staff sent letters to adjacent land owners along the project corridor inviting them to an interested parties meeting on November 6, 2018. The interested parties' meeting was also advertised by the Public Communications Department. Staff received no negative feedback from the public at the interested parties meeting.

Upon approval, plans and specifications will be finalized by City staff for construction of Truman Solar Feeder Extension Project.

Fiscal Impact

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

Long-Term Impact: None



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).

Suggested Council Action

Direct staff to move forward with developing plans and specifications to be finalized by City staff for construction of Truman Solar Feeder Extension Project.