

**CITY OF AUSTIN – CONTRACT MANAGEMENT DEPT.
RECOMMENDATION FOR COUNCIL ACTION
VENDOR NAME: QUANTA TECHNOLOGY, LLC**

AGENDA DATE: 03/21/2013

SUBJECT: Authorize execution of change order #4 to the construction contract with TEXAS SOLAR POWER COMPANY (MBE/MH-96.30%) for the restoration of a solar array at the Decker Creek Power Station in the amount of \$53,872.45, for a total contract amount not to exceed \$1,056,370.25.

AMOUNT AND SOURCE OF FUNDING: Funding is available in the Fiscal Year 2012-2013 Capital Budget of Austin Energy.

FISCAL NOTE: A fiscal note is required.

PRIOR COUNCIL ACTION: December 8, 2011 – Approved original construction contract with Texas Solar Power Company.

FOR MORE INFORMATION: Craig Russell 974-7157; Susan Garnett 974-7064; Fred Yebra 482-5305; April Shaw 974-7141.

BOARDS AND COMMISSION ACTION: To be reviewed by the Electric Utility Commission on March 18, 2013 and the Resource Management Commission on March 19, 2013.

MBE / WBE: This contract was awarded in compliance with Chapter 2-9A of the City Code (Minority Owned and Women Owned Business Enterprise Procurement Program) with 96.30% MBE prime participation and 3.70% WBE subcontractor participation to date including this change order.

In 1985, Austin Energy constructed a 300 kW photovoltaic (PV) solar array at its Decker Creek Power Station which was the largest PV system in the nation at the time. The solar modules and tracking system are no longer functional and need to be replaced.

In December 2011, Council approved the original construction contract to replace the solar modules, provide a new mechanized tracking system on existing pedestals and upgrade electrical infrastructure. This project utilizes much of the existing infrastructure resulting in a relatively low cost tracking solar array. When complete, this project will provide 300 kW of solar PV which will contribute to the 200MW goal of solar power generation by 2020.

This Change Order is necessary to fully modify the existing structural system to allow the mechanical actuators (electrically powered motors) to be mounted in a way that will maximize the range of motion of the solar tracking system enabling it to track the sun more efficiently and maximize the system's power production. The Change Order will also include the addition of structural racking for a future 30 kW PV installation.

This project is located within zip code 78724 and is managed by the Public Works Department.

Texas Solar Power Company is located in Austin, Texas.

AUTHORIZATION HISTORY

AMOUNT DATE -- DESCRIPTION

\$947,497.80	12/08/11 (Council) -- Original construction contract
\$55,000.00	12/08/11 (Total Administrative Authority)
\$53,872.45	Proposed (Council) -- Change Order #4
\$1,056,370.25	Total Contract Authorization

CONTRACT HISTORY

AMOUNT DATE -- DESCRIPTION (CO% / CUMULATIVE CO%)

\$947,497.80	12/08/11 -- Original construction contract
\$9,453.40	03/15/12 -- CO #1 (Administrative Authority) – New Bearings for tracking system (1% / 1%)
\$40,702.57	06/21/12 -- CO #2 (Administrative Authority) – Structural modifications, trenching additional wiring Work (4.3% / 5.3%)
\$2,258.68	02/11/13 -- CO #3 (Administrative Authority) – Trenching & copper wiring for computer monitoring (0.2% / 5.52%)
\$53,872.45	Proposed -- CO #4 (Additional Authorization) Modify existing structural system to allow the mechanical actuators to be mounted to maximize the range of motion of the solar tracking system and add structural racking for a future 30 kW solar panel installation. (5.69%/11.21%)
\$1,053,784.90	Total Contract Expenditures 11.21% Cumulative Change Orders

M/WBE Summary

Participation goals stated in the original approved compliance plan were **4.17%** MBE and **2.41 %** WBE. Participation for this change order:

MBE TOTAL – PRIME	\$53,872.45	100%
(MH) Texas Solar Power Company, Austin, Texas	\$53,872.45	100%

Overall participation based on contract expenditures as of March 4, 2013 (not including this change order):

PRIME: 96.30% MBE

SUBCONTRACTORS: 3.70% WBE

TOTAL: 96.30% MBE (Prime); 3.70% WBE