

**SOLANO COMMUNITY COLLEGE DISTRICT  
GOVERNING BOARD AGENDA ITEM**

**TO:** **Members of the Governing Board**

**SUBJECT:** **RESOLUTION TO APPROVE CHANGE ORDER #3 TO  
SIERRA NATIONAL CONSTRUCTION, INC. FOR SUB-  
STATION #1 & #2 REPLACEMENT PROJECT**

**REQUESTED ACTION:**

**Information**    **OR**     **Approval**  
 **Consent**     **OR**      **Non-Consent**

**SUMMARY:**

On February 1, 2017 the Board approved a contract to Sierra National Construction, Inc. for the Sub-Station #1 & #2 Replacement Project for removal and replacement of aged sub-stations on the Fairfield Campus. On August 2, 2017, the Board approved Change Order #1 for PGE required battery back-up equipment and expediting sub-station equipment fabrication. On October 4, 2017, the Board approved Change Order #2 for extension of the concrete pad and fencing at Substation #1 to accommodate additional battery back-up new equipment required by PGE. On December 20,

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**STUDENT SUCCESS IMPACT:**

- Help our students achieve their educational, professional and personal goals
- Basic skills education
- Workforce development and training
- Transfer-level education
- Other: Update infrastructure that supports classrooms or related College facilities.

<i>Ed. Code:</i>	<i>Board Policy:</i>	<i>Estimated Fiscal Impact: \$266,602 Measure Q Funds</i>
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**SUPERINTENDENT'S RECOMMENDATION:**       **APPROVAL**       **DISAPPROVAL**  
 **NOT REQUIRED**       **TABLE**

Lucky Lofton  
Executive Bonds Manager

**PRESENTER'S NAME**

4000 Suisun Valley Road  
Fairfield, CA 94534

**ADDRESS**

(707) 863-7855

**TELEPHONE NUMBER**

Robert V. Diamond  
Vice President, Finance and Administration

**VICE PRESIDENT APPROVAL**

June 12, 2018

**DATE SUBMITTED TO  
SUPERINTENDENT-PRESIDENT**

**Celia Esposito-Noy, Ed.D.**  
Superintendent-President

June 12, 2018

**DATE APPROVED BY  
SUPERINTENDENT-PRESIDENT**

**SOLANO COMMUNITY COLLEGE DISTRICT  
GOVERNING BOARD AGENDA ITEM**

**TO: Members of the Governing Board**

**SUBJECT: RESOLUTION TO APPROVE CONTRACT CHANGE ORDER #4 TO SIERRA NATIONAL CONSTRUCTION, INC. FOR SUB-STATION #1 & #2 REPLACEMENT PROJECT**

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**SUMMARY:**

*CONTINUED FROM THE PREVIOUS PAGE*

2017, the Board approved Change Order #3 for the following work on a time and materials basis:

- Modify new substation #1 switchgear to receive existing PGE feed
- Remove existing sidewalk and extend concrete pad 2' to accommodate conduit skirt
- Abatement work due to existing asbestos-containing conduits
- Re-route existing solar conduit feed to the switchgear at substation #1
- Separate PGE and SCCD high voltage lines currently in the same vault at substation #1 (not compliant with current PGE regulations), including installation of new conduit and feeds between substation #1 and substation #2 (related to vault work and remediation of current asbestos-containing conduit)
- Modify new substation #2 switchgear to receive existing PGE feed

Actual labor required to complete the above items was in some cases higher than estimated. In addition, during construction unforeseen conditions necessitated the following work in order to complete installation of the sub-stations:

- Repair/replace existing circuit breakers at Substations #3, #4, and #5
- Installation of the battery back-up section at Substation #1
- Removal and replacement of 1" rock from Substation #1 area to allow for underground work to proceed

This work was not included in the original contract and will require a Change Order. Board approval is requested for Change Order #4 to Sierra National Construction, Inc. in the amount of \$266,602. This will require a budget augmentation; see Bond Spending Plan Update #12 on this Board agenda.

Following is a summary of the Contract amount:

\$1,079,000.00 Original Contract Sum  
\$ 586,853.96 Previous Approved Change Orders (1-3)  
\$ 266,602.00 This Proposed Change Order #4  
\$1,932,455.96 New Contract Sum Including This Change Order

The Board is asked to approve Change Order #4 to Sierra National Construction, Inc. in the amount of \$266,602.00.

The Change Order may be viewed online at: <http://www.solano.edu/measureq/planning.php>.



# Change Order

Solano Community College District  
4000 Suisun Valley Road  
Fairfield, CA 94534  
Tel: 707-864-7189 Fax: 707-207-0423

Swinerton Management & Consulting

Change Order # 4  
Project No.: 17-002  
Date: 20-Jun-18

Project: Substation #1 & #2 Replacement Project  
Fairfield

To: Sierra National Construction, Inc  
5433 El Camino Ave. #1  
Carmichael, California 95608

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## The Contract is Changed as Follows:

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| 1.0 | Modifications required to new switchgear at Substation #1 in order to receive existing PGE main service. Additional costs represent the difference between the total cost of this item and the estimated costs included in Change Order #3, Item 1.0.  | \$25,246.27  |
| 2.0 | Extension of existing concrete pad and chain link fencing at Substation #1 to accommodate a larger switchgear skirt section, as fabricated by Eaton, than that shown on the design documents. Additional costs represent the difference between the total cost of this item and the estimated costs included in Change Order #3, Item 2.0.   | \$13,779.93  |
| 3.0 | Re-routing of existing solar conduit from solar gear to new switchgear at Substation #1. Additionally, the underground portion of the conduit needs to be lowered by approximately 2'0" to meet current code requirements. Additional costs represent the difference between the total cost of this item and the estimated costs included in Change Order #3, Item 3.0.  | (\$2,797.76) |
| 4.0 | Abatement costs due to existing conduits discovered to be asbestos-containing. Costs to include training and safety measures by electrical contractor and their abatement contractor during the removal and replacement of cabling in existing conduits. Additional costs represent the difference between the total cost of this item and the estimated costs included in Change Order #3, Item 4.0.  | \$12,513.76  |
| 5.0 | Separation of existing PG&E and SCCD main conduit feeds from shared vault at Substation #1, which does not meet current code. SCCD feed to be removed from existing vault and re-routed through a new vault and new conduit to the new switchgear. Also included are costs to replace the existing cabling which is expected to be damaged during removal, and new trenching, conduit and paving between the new vault and Substation #2 so as not to extend the campus-wide shutdown schedule any further. Additional costs represent the difference between the total cost of this item and the estimated costs included in Change Order #3, Item 5.0. | \$100,796.61 |
| 6.0 | Modifications required to new switchgear at Substation #2 in order to receive existing SCCD service. Eaton to provide separation panels, cable chases, etc. to re-route cabling after entering the switchgear to its proper termination points. Additional costs represent the difference between the total cost of this item and the estimated costs included in Change Order #3, Item 6.0.   | \$11,652.11  |
| 7.0 | Modifications and additions to the existing grounding system due to the expansion of the existing concrete pad in three directions in order to meet code required clearances. Deductive costs represent the difference between the total cost of this item and the estimated costs included in Change Order #3, Item 7.0.  | (\$6,781.33) |

8.0	Costs required to service, repair and/or replace existing circuit breakers at Substations #3, #4 and #5 that were not operating properly and would not allow for installation of temporary power during the course of the campus-wide power shutdown.	\$51,361.88
9.0	Costs required for the installation of the battery back-up section at Substation #1 that was added in Change Order #1. CO #1 included only the costs to fabricate, furnish and expedite delivery for the new battery section.	\$22,249.25
10.0	Costs required for Contractor to remove 1" rock from Substation #1 area to allow for underground work to proceed. Rock previously placed during an emergency power shutdown not associated with this project.	\$2,532.30
11.0	Costs required to add slurry mix at existing solar conduits due to the conduits existing at a shallower depth than allowed (unprotected) by code.	\$2,883.98
12.0	Costs required for additional generator rentals and fuel costs made necessary by the shutdown work.	\$19,296.00
13.0	Additional crane costs due to multiple shipments required due to the addition of the battery back-up section.	\$2,710.00
14.0	Additional costs for traffic plate and temporary fencing rentals.	\$2,674.00
15.0	Additional crane costs required for the modifications to the new switchgear at both substations.	\$8,485.00

<b>TOTAL COST OF CHANGE ORDER</b>	<b>ADD</b>	\$266,602.00
	<b>Deduct</b>	\$0
<b>FINAL CHANGE ORDER AMOUNT</b>		<b>\$266,602.00</b>

Original Contract Sum:		\$ 1,079,000.00
Total change By Previous Change Orders:		\$ 586,853.96
Contract Sum Prior to This Change Order:		\$ 1,665,853.96
Original Contract Sum will be Increased by This Change Order:		\$ 266,602.00
The New Contract Sum Including This Change Order Will Be:		<b>\$ 1,932,455.96</b>
The New Contract Completion Date Will Be:		29-Jun-18
Contract Time Will be Increased by This Change Order:		91 Days
The date of substantial completion as of the of this change order is		29-Jun-18

CONTRACTOR: \_\_\_\_\_ Date: \_\_\_\_\_  
Sierra National Construction, Inc  
5433 El Camino Ave. #1  
Carmichael, CA 95068

OWNER: \_\_\_\_\_ Date: \_\_\_\_\_  
Lucky Lofton  
Executive Bonds Manager  
Solano Community College District