



March 24, 2022

Rebecca Westover
Mountain View Whisman School District
1400 Montecito Ave,
Mountain View, CA 94043

RE: Change Order #8 Justification: Mountain View Whisman Solar Photo-Voltaic Project – Engie Services US Inc. – DSA Application No.’s 01-119500 (Bubb), 01-119501 (Landels), 01-119502 (Huff/Imai), 01-119503 (Graham), 01-119504 (Castro/Mistral), 01-119533 (Crittenden), 01-119534 (Monta Loma), 01-119535 (Theuerkauf)

Item # 1 – Structural Changes required by Division of the State Architect (DSA) Phase 2 Plan Review

This Change is the result of an unforeseen condition. The original proposal for the rooftop solar arrays at Crittenden Middle School, Monta Loma Elementary School and Theuerkauf Elementary School assumed connection of the new rooftop solar arrays to the existing metal roof structure. However, during planning and subsequent DSA review for the project, it was discovered that due to a lack of structural details for the existing buildings as well as the physical construction characteristics of the buildings, attachment to the roof structure was not structurally feasible. As a result, the arrays would need to be attached directly to the building structure below with additional blocking and strapping of the existing structural members. This attachment added a significant amount of scope to the project including demolition and patching of existing roofing, addition of structural blocking and strapping as well as upsizing of steel stanchions and related components at all three sites. The cost included with item no. 1 includes all labor, materials and equipment required to engineer and perform this work at all three phase 2 sites. **\$151,700**

Total Change Order No. 8 – \$151,700

In our capacity as the District’s Construction Manager, we have completed a review of Change Order # 8.

The total Change Orders to date: \$1,204,590.

A design contingency of \$886,412 has been budgeted for this project. After change order 8 the balance of the design contingency will be \$0.

A construction contingency of \$886,412 has been budgeted for this project. After change order 8 the balance of the construction contingency will be \$568,234.

Based upon the review of the merit and the compensation, it is our recommendation that you approve this change order. If you have any question, please do not hesitate to call.

Sincerely,
Greystone West Company

Jason Cave

Jason Cave

Project Manager



Change Order No. 08

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| Customer Contract Title: Contract for Design and Construction – Mountain View Whisman School District | Customer Contract No. R3497 |
| Customer Contract Effective Date: 10-2-2020 | Change Order Effective Date: 3-9-2022 |

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|-------------------|------------------------------------------------|
| Customer Name: | Mountain View Whisman School District |
| Customer Address: | 1400 Montecito Avenue, Mountain View, CA 94043 |
| Contact: | Rebecca Westover |
| Job Location: | 1400 Montecito Avenue, Mountain View, CA 94043 |

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| Reason for/Description of Change Order: | <p>The Scope of Work set forth in <u>Exhibit A</u> to the Contract for Design and Construction referenced above is hereby amended to add the following scope revisions to this Change Order. Further detail is as follows:</p> <p>Change Order Request #13 – Rooftop DSA Plan Check Revisions</p> <p>In order to receive Division of the State Architect (DSA) approvals for the solar PV rooftop designs at Crittenden Middle School, Monta Loma Elementary School, and Theuerkauf Elementary School, ENGIE Services U.S. participated in additional review and revision processes with DSA and had to make a number of design changes that impact final construction pricing. A detailed description of the additional work and costs are as follows:</p> <ul style="list-style-type: none"> • Crittenden Middle School: <ul style="list-style-type: none"> ○ Three (3) rounds of plan check revisions were required, exceeding the two (2) that would be typical and were originally budgeted for. This was necessary in order to respond to DSA's comments related to the connections and stiffening of the purlins as required by DSA reviewer. ○ The designs were modified as follows, as required by the DSA reviewer for approval: <ul style="list-style-type: none"> ▪ Addition of a gusset to the purlin tab. ▪ Increase of the hi purlin size to 8". ▪ Addition of knee bracing. ▪ Addition of a total of eight (8) screws per roof attachment. • Monta Loma Elementary School: <ul style="list-style-type: none"> ○ The designs were modified as follows, as required by the DSA reviewer for approval: <ul style="list-style-type: none"> ▪ Addition of a total of roughly five hundred (500) feet of custom structural steel strapping on top of the existing roofing. ▪ Removal of the Decktite flashing. ▪ Increase the Z-purlin welding to weld the purlin to both sides and the top of the post. ▪ Upgrade the posts to change to HSS Square 3" x 2" x 3/16". ▪ Upgrade the roof attachments to include four (4) #10 screws to the framing below. • Theuerkauf Elementary School: <ul style="list-style-type: none"> ○ Three (3) rounds of plan check revisions were required, exceeding the two (2) that would be typical and were originally budgeted for. This was necessary in order to respond to DSA's comments related to the need to design a new rack in lieu of connecting to the existing standing seam roof, as well as new as-built information provided by DSA to be included in the solar PV drawings. ○ The designs were modified as follows, as required by the DSA reviewer for approval: <ul style="list-style-type: none"> ▪ Addition of six (6) penetrations at Building A. ▪ Addition of fourteen (14) penetrations at Building H. ▪ Addition of one hundred and eighteen (118) penetrations at Building G. ▪ Addition of twelve (12) penetrations at Building D. ▪ Addition of eight (8) penetrations at Building E. ▪ Increase the Z-purlin welding to weld the purlin to both sides and the top of the post. ▪ Upgrade the posts to change to HSS Square 3" x 2" x 3/16". ▪ Upgrade the roof attachments to include four (4) #10 screws to the framing below. <p>This Change Order excludes additional DSA fees associated with this increase in scope. Final fee amounts will be calculated at construction closeout, and included in a future Change Order.</p> |
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| Original Contract Amount: | \$8,864,616 |
| Prior Change Order(s) Will Add (Deduct): | \$1,052,890 |
| This Change Order Will Add (Deduct) Not To Exceed: | \$151,700 |
| Revised Contract Amount Not To Exceed: | \$10,069,206 |

The changes within are hereby authorized, subject to the terms and conditions of that certain Customer Contract referenced above by and between **ENGIE Services U.S. Inc.**, and **Customer**. Except as set forth herein, the Customer Contract is not amended, modified, impaired or otherwise affected, and is hereby confirmed in full force and effect.

MOUNTAIN VIEW WHISMAN SCHOOL DISTRICT

ENGIE SERVICES U.S. INC.

By: _____

By: _____

Print Name: _____

Print Name: _____

Title: _____

Title: _____

RETURN EXECUTED COPY TO: ENGIE Services U.S. Inc., 500 Twelfth Street, Suite 300, Oakland, CA 94607, Attn.: Contract Administrator