RANCHO MURIETA COMMUNITY SERVICES DISTRICT
15160 Jackson Road, Rancho Murieta, CA 95683
Office - 916-354-3700 Fax – 916-354-2082

IMPROVEMENTS COMMITTEE

Regular Meeting
June 3, 2016 at 9:30 a.m.

All persons present at District meetings will place their cellular devices in silent and/or vibrate mode (no ringing of any kind). During meetings, these devices will be used only for emergency purposes and, if used, the party called/calling will exit the meeting room for conversation. Other electronic and internet enabled devices are to be used in the "silent" mode. Under no circumstances will recording devices or problems associated with them be permitted to interrupt or delay District meetings.

AGENDA

1. **Call to Order**

2. **Comments from the Public**

3. **SMUD Power Panel Upgrade for Waste Water Treatment Plant Solar Array**

4. **Updates**
   - Augmentation Well
   - Water Treatment Plant Expansion Project
   - Solar Power Update

5. **Directors & Staff Comments/Suggestions** [no action]

6. **Adjournment**

In accordance with California Government Code Section 54957.5, any writing or document that is a public record, relates to an open session agenda item and is distributed less than 72 hours prior to a regular meeting will be made available for public inspection in the District offices during normal business hours. If, however, the document is not distributed until the regular meeting to which it relates, then the document or writing will be made available to the public at the location of the meeting.

Note: This agenda is posted pursuant to the provisions of the Government Code commencing at Section 54950. The date of this posting is May 31, 2016. Posting locations are: 1) District Office; 2) Plaza Foods; 3) Rancho Murieta Association; 4) Murieta Village Association.

MEMORANDUM

Date: May 31, 2016

To: Board of Directors

From: Paul Siebensohn, Director of Field Operations

Subject: SMUD Power Panel Upgrade for Waste Water Treatment Plant Solar Array

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RECOMMENDED ACTION

Approve up to $164,000 to Solar City for cost reimbursement for SMUD upgrades for Wastewater Treatment Plant, funding to come from Sewer Capital Replacement Reserves.

BACKGROUND

The solar system integration into the Wastewater Treatment Plant (WWTP) requires a new power panel (utility switchboard) and transformer, and costs at prevailing wages to install them. Solar City will work with us and SMUD to coordinate and convey what is needed without any mark up to the District. Per the District's contract with Solar City, the District is required to pay for these needed upgrades. See below excerpt from contract.

5. System Installation Includes:

Installation of a solar energy system (includes: design, engineering, permitting, performance bonds, installation, monitoring, rebate application and paperwork processing for solar energy system), **prevailing wage construction**.

6. System Installation Excludes:

Additional or extra construction-related work caused by subsurface, latent or unknown physical conditions at the Premises that differ materially from those ordinarily encountered and generally expected as inherent in System installation at this type of site (including, but not limited to, excavation/circumvention of underground obstacles); upgrades or repair to customer or utility electrical infrastructure; payment bonds; tree removal and tree trimming; and Purchaser's evaluation of the project under the California Environmental Quality Act ("CEQA Evaluation") and the mitigation of any significant environmental impacts disclosed by the CEQA Evaluation (the mitigation costs are referred to as the "CEQA Costs").

If any CEQA Costs should arise, then the Parties will attempt in good faith to negotiate the pricing to address such costs. If: (1) resolution of the CEQA costs cannot be reached; or (2) the CEQA Evaluation discloses any significant environmental impacts that cannot be feasibly mitigated or avoided, then either Party may terminate this Agreement prior to commencement of installation of the System without liability or triggering a default under this Agreement. Either Party's rights under this paragraph shall, unless previously exercised, terminate on the date that is the earlier of (i) 180 days after the Effective Date or (ii) the date on which the conditions to Seller's obligations set forth in Section 6(a) of Exhibit 3 are satisfied.

Attached and below are the estimated costs for the required upgrades to interconnect the PV system at the WWTP site. These costs will be a direct pass through and Solar City will not add any mark-up on these costs in the spirit of keeping this project financially viable for both parties.

Estimated cost for new Utility switchboard (see attached) - $22,170.50
Estimated cost for SMUD (see attached) - $40,123.10

Estimated cost for new SMUD required Transformer- $30,000
Estimated cost for EC labor and material to install new gear (see attached) - $55,570.00

Total estimated cost: $147,863.6

Recommend a contingency adder of at least 10% be added as these costs are best estimates based off of quotes. Therefore, we are requesting that $164,000 be approved.

Solar City previously estimated $50,000 for this work. Despite these added costs, the District will come out ahead with significant cost savings in the long run as the project impact is approximately $100,000 over the 20 year life, or $5,000 per year.

Rancho Murieta Community Service District WWTP

480/277 volts

Telecom

Labor – (loaded cost)	**UNITS**	**QTY**	**COST/UNIT**	**COST**
Telecom Technician	HRS	100		$ -
Telecom Engineering	HRS	60		$ -
Electrical Contractor* This will be a credit back to SolarCity				$ 6,000.00
Labor Total		160		$ -

Parts and Material

Wireless Router	$ -
Cables	$ -
Turn-key RLH enclosure w/ DC power	$ -
Total Material	$ -

Recurring cost

SCADA CIRCUIT	$0.00
METERING CIRCUIT	$0.00

Total Estimated Cost - Telecom	$0

EMS

Labor – (loaded cost)	**UNITS**	**QTY**	**COST/UNIT**	**COST**
OMS Technician	HRS	10		$0.00
Parts and Material				
Ruggedcom RX1510 Router		1		$0.00
Serial Module		1		$0.00
DDS Module		1		$0.00
Edge RTU		1		$0.00
Total Estimated Cost - EMS				$0

Metering

Labor – (loaded cost)	**UNITS**	**QTY**	**COST/UNIT**	**COST**
Metering Tech	HRS	82		$0
Parts and Material				
Jemstar meter		1		$0
CT, Indoor 400:5, #10013844		3		$0.00
Total Estimated Cost - Metering				$0

Line

Labor – (loaded cost)	**UNITS**	**QTY**	**COST/UNIT**	**COST**
	HRS		Varies	$23,905.58

Parts and Material

Transformer Upgrade	1	$ 22,217.52	$22,217.52

Total Estimated Cost - Line	$46,123.10

Total Estimated Cost	**$40,123.10**

Total recurring cost (direct fiber link)	$61.74/month

SMUD
Powering forward.
Together.

cho Murieta Community Service District Waste Water Treatment Plant PV Requirements--600kW

Metering

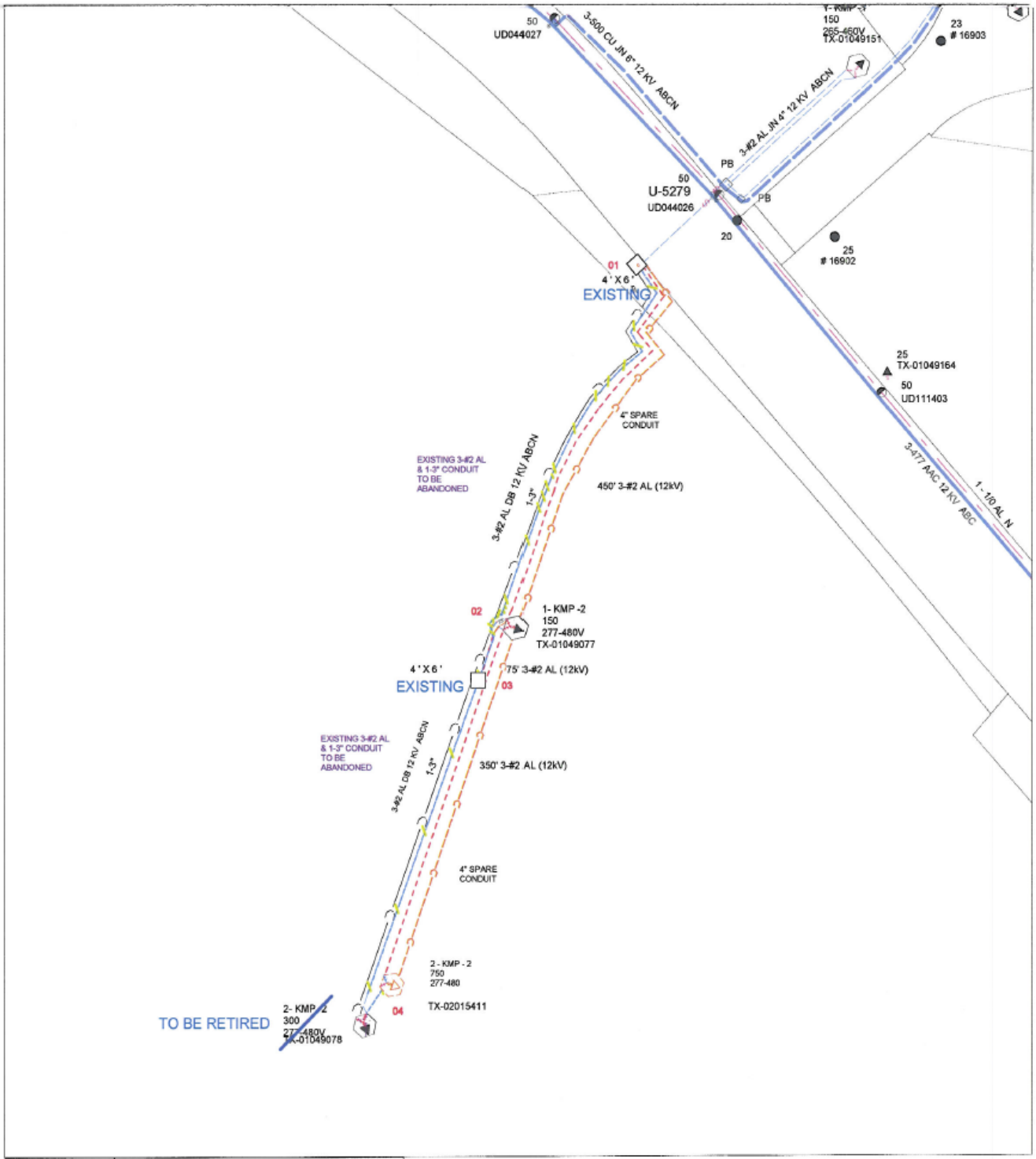
SMUD will provide the meters for the meter panel in the switchgear.
SMUD generation meter requires auxiliary power from the same circuit as the SMUD RTU. 120-480 volts to be brought into the meter section. This circuit should not be fed from the generation circuit. Per site visit in February 25, power will be supplied from a dedicated sub-
SMUD will order CTs (order lead time is 10 weeks) and install them.
SMUD will provide the necessary metering CTs for the PV generation meter.
SMUD will need to review and approve the cut sheets for the switchgear before it is ordered.
SMUD needs to ensure SMUD metering is built out in a separate section from the developer's
Developer purchases switchgear that complies with SMUD Electric Service Requirements (ESR) and Electric Utility Service Equipment Requirements Committee (EUSERC)--order lead
If the developer would like to meter, the developer is responsible for purchasing and installing their own separate metering equipment and will install it in their section of the switchgear. The developer cannot attach to the SMUD metering equipment or allow their metering equipment to

Telecommunications

SMUD will order a 56k circuit from AT&T. This is a point-to-point circuit used for real time data th
SMUD will purchase the telemetry enclosure with thermostat, exhaust fan, batteries, and power
SMUD will purchase and install RTU and serial server in the new enclosure
SMUD will terminate the RTU and metering cables
Developer will order a plain old telephone service (POTS) from AT&T.
Developer will mount the new telemetry enclosure per SMUD approved location
Developer will install conduit andl two CAT5e shielded cables from the new telemetry cabinet
Developer will install conduit and two CAT5e sheilded cables from the new telemetry cabinet
Developer install 120VAC outlet in the new enclosure. Developer is responsible for termination of the power cables. Per site visit on February 25, 2016, power will be supplied from a

Line Work

SMUD will install two 4" conduits from the pull box at Jackson Highway to the new



AS-BUILT	Foreman:	
OH Phasing noted on	Date Initials	Job Name: RANCHO MURIETA PV INSTALATION
	Trench Inspection:	

Wesco Distribution
2800 Mead Avenue
Santa Clara, CA 95051
Office (408) 562-0402
Fax (408) 562-0481

QUOTATION for:

"Rancho Murieta Community Service District - WWTP JB9561033 Case7928362"

May 16, 2016
Negotiation No.: SF010226X6K3

EQUIPMENT SUMMARY & SELLING POLICY

Wesco Dist. is pleased to offer the following Scope of Work and Bill of Material for your consideration. The Bill of Material is in accordance with our interpretation of the Plans and Specifications. This offer is subject to your approval and is conditional upon your acceptance of the applicable Eaton Electrical. Selling Policy listed below.

Schedules are based on current factory scheduling. Please contact your Eaton Electrical sales engineer or distributor if different dates are required. Shipment Dates are based on returned Approval Drawings marked "RELEASED FOR MANUFACTURE".

Equipment	Price	Weeks for Approval Drawings Submittal	Weeks to ship After *Release* of Order
1200A PRLC SWITCHBOARD	$21,100	1 WEEK	8 – 10
1000A FUSES (KLU-1000)	$970.50	1 WEEK	STOCK

Job is quoted:

- ☐ Per Plan Drawings and Spec Sections
  Comments and special conditions as noted.
- ☐ Per Plans Only – No Specs
- ☐ Per Customer's Take Off – Verbal
- ☒ Per Customer's Take Off – Written
- ☐ Other:

Unless otherwise noted:

Fuses, Field Testing, Coordination Study, Transformer Lugs & Vibration Mountings are NOT included unless otherwise noted.

- ☐ No Addendum Included.
- ☐ Includes Addenda #

Respectfully,

Josh Teck
Projects Specialist
jteck@wesco.com

COMMENTS & SPECIAL CONDITIONS

1. **Eaton standard 1-year warranty applies. Additional 3-year warranty is available for 4% price adder per Selling Policy 25-000.**
2. **Shipping terms are FOB plant. There is a 2% adder for FOB jobsite(destination).**
3. **Any change in this BOM may impact package price.**
4. Offer is valid for 30 days
5. Cable terminations use mechanical type lugs. Mechanical lugs will accept either copper or aluminum cables. Compression type lugs are available at an additional charge.
6. Freight is by common carrier – specific delivery windows cannot be guaranteed. Additional costs will be incurred for specific delivery windows or other forms of delivery including but not limited to flat bed and lift gate.
7. Proposed equipment is finished using Eaton Corp. standard application process and colors.
8. Equipment quoted is Eaton Corp. standard unless otherwise noted.
9. Safety switches, enclosed circuit breakers, starters, lighting contactors, or other miscellaneous equipment are not included unless listed as a separate item within this bill of material.
10. No fuses are included in this quote unless listed as a separate item within this bill of material.
11. Safety switches, enclosed circuit breakers, starters, lighting contactors, transformers and other miscellaneous equipment do not include nameplates.
12. Dry type transformers, if supplied do not include primary or secondary terminal lugs.
13. Dry type transformers, if supplied do not include vibration isolations supports.
14. Spare parts or extra material are not included unless listed as a separate item within this bill of material; this includes but not limited to touch-up pain, breaker lifting devices, fuses, spare fuse cabinets, thermal heaters, spare circuit breakers, accessory kits, and/or test kits.
15. Standard Eaton Corp. warranty is applicable for (12) months from date of installation or (18) months from date of shipment, whichever comes first.
16. All orders are subject to Eaton Selling Policy 25-000.
17. Field start-up, field testing, witness testing, training, factory test reports, or seismic calculations are not included unless listed as a separate item within this bill of material.
18. Under there are different or additional terms and conditions contained in master agreement that modify WESCO's standard terms, buyer agrees that this quote and any resulting PO will be governed by WESCO's terms and conditions dated 011107 available @ www.wesco.com/terms_and_conditions_of_sale.pdf, which terms are incorporated herein by reference and made part hereof. Please contact seller identified on this quote if you require a printed copy.

Detail Bill of Material

Project Name:	SC - JB-9561033 Case 7928362 Ranch	**Negotiation No:**	SF010226X6K3
General Order No:	SSF0688973	**Alternate No:**	R001

Item No.	Qty	Product	Description
	1	Switchboards	Pow-R-Line C Switchboard, Front Access/ Front and Rear Align, Type 3R (nonwalk-in) Flat Roof 480Y/277V 3-Phase 4-Wire, 1200 Aluminum, Minimum Interrupt Rating: 35kA, Bus Bracing Rating: 65kA

Designation 1000a SE 3

Qty	List of Materials
1	Pow-R-Line C
3	Type 3R (nonwalk-in) Flat Roof
1	Service Entrance Label
1	Seismic Freestanding Label (IBC/CBC Seismic Qualified)
1	Service entrance wtih solar switchboard
1	1200 Amp AL Main Structure
1	1000A Utility Metering - SACRAMENTO MUN. UTIL. DEPT (SMUD)
2	Utility Meter Socket
2	Vertical Isol. Barrier (Service Entrance)
3	Horizontal Isol. Barrier (Service Entrance)
1	Cts to be mounted o the load side of switch in section 3
1	Provide CPT in section 2 2kva
1	switch visible blade for solar
1	1200 Amp AL Main Structure
6	Nameplate
4	Thermal Mag Trip - Standard
1	1200 Amp AL Main Structure
1	1200A Utility Metering - SACRAMENTO MUN. UTIL. DEPT (SMUD)
1	Ground fault protection
1	switch needs 5 0 500kcmils per phase
1	20A 3P [FD 225A Frame], Trip 20 A, Thermal Mag, (1) #14-1/0, Mechanical
2	20A 1P [FD 100A Frame], Trip 20 A, Thermal Mag, (1) #14-1/0, Mechanical
1	3P [FD 225A Frame] Provision
1	600A 3P [LGE 600A Frame], Trip 600 A, Thermal Mag
1	1200A 3 Pole Bolted Pressure Switch, Class L fuse clips provided, (fuses provided by others), (4) #4-500 kcmil, Mechanical, Bottom

Eaton Selling Policy 25-000 applies.

All orders must be released for manufacture within 90 days of date of order entry. If approval drawings are required, drawings must be returned approved for release within 60 days of mailing. If drawings are not returned accordingly, and/or if shipment is delayed for any reason, the price of the order will increase by 1.0% per month or fraction there of for the time the shipment is delayed.

Switchboard General Information

Pow-R-Line C - Specifications

Quantity: 1

Alignment: Front Access/ Front and Rear Align

Service: 480Y/277V 3-Phase 4-Wire

Minimum Interrupt Rating: 35 kA

Bus Specifications

Bus Amps: 1200

Bus Bracing Rating: 65kA

Neutral Amps: 1200

Bus Material: Aluminum

Heat Test

Aluminum .25 X 2.0 Ground Bus Bolted To Frame, (1) #6-350 kcmil Ground Lug

Incoming Information

Terminals, Mechanical, Bottom, See Utility Specifications

Incoming Entry: Bottom

Incoming Location: Left

Incoming Qty & Size: Terminals, Mechanical, Bottom, See Utility Specifications

Structure Specifications

Service Entrance

Enclosure Type: Type 3R (nonwalk-in) Flat Roof

House Keeping Pad: Seismic Label (IBC/CBC Seismic Qualified)

Refer to seismic installation data sheet TD01508002E and drawing 1A32497 for details.

Special Notes Description

1	Service entrance wtih solar switchboard	CN78041
1	Cts to be mounted o the load side of switch in section 3	CN143571
1	Provide CPT in section 2 2kva	CN39953
1	switch visible blade for solar	CN44462
1	switch needs 5 0 500kcmils per phase	CN57988

Utility Specfications

Struct # 1

1000 Amps Util. Mtr. Compt. - SACRAMENTO MUN. UTIL. DEPT (SMUD)

Utility Service Requirements Page References:

Lug Drillings Per Dwg. : 347

CT Compartment Per Dwg. 320

UGPS Per Dwg. 345

Meter Door per Dwg. 332

13J Meter Socket(s)

LUGS

(4) 500 kcmil

Utility Specfications

Struct # 3

1200 Amps Util. Mtr. Compt. - SACRAMENTO MUN. UTIL. DEPT (SMUD)

Utility Service Requirements Page References:

Lug Drillings Per Dwg. : 347

CT Compartment Per Dwg. 322/330

Meter Door per Dwg. 332

13J Meter Socket(s)

LUGS

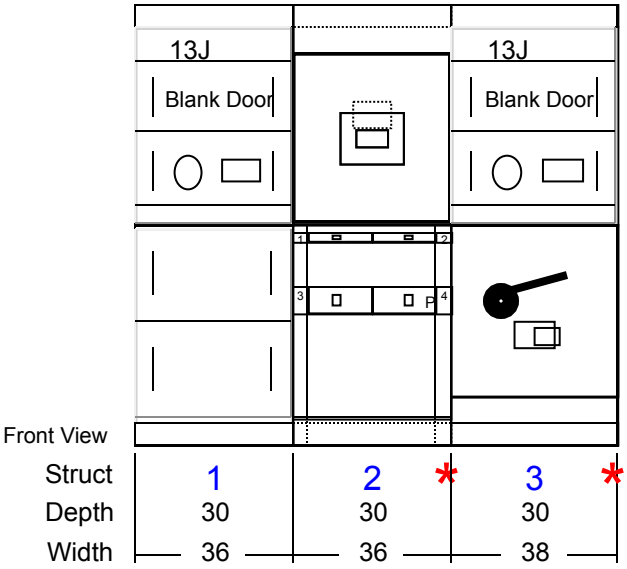
None

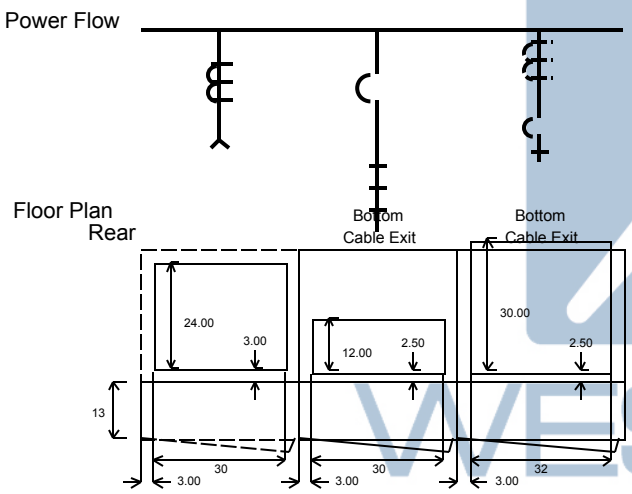
PREPARED BY: KARI DESOTO	DATE: 5/16/2016		Eaton	SumterSC	
APPROVED BY	DATE		JOB NAME	SC - JB-9561033 Case 7928362 Ranch	
			DESIGNATION	1000a SE 3	
	VERSION: 8.0.10.0		TYPE: Switchboards	DRAWING TYPE: CustAppr	
NEG-ALT Number: SF010226X6K3-R001	REVISION: 0	DWG SIZE: DwgA	G.O.: SSF0688973	ITEM	SHEET: 1 of 4

Enclosure properties

Struct #	Description/Modifications
1	Incoming Utility Structures (Incoming Utility Section) Vertical isolating barrier Horizontal isolating barrier
2	Main device (2000A max) feeding ONLY 22x chassis feeders (Main Structure) Horizontal isolating barrier
3	Utility Structures (Utility Structure) Vertical isolating barrier Horizontal isolating barrier

PREPARED BY: KARI DESOTO	DATE: 5/16/2016	**Eaton**	SumterSC		
APPROVED BY:	DATE:	JOB NAME	SC - JB-9561033 Case 7928362 Ranch		
		DESIGNATION	1000a SE 3		
VERSION: 8.0.10.0		TYPE: Switchboards		DRAWING TYPE: CustAppr	
NEG-ALT Number: SF010226X6K3-R001	REVISION: 0	DWG SIZE: DwgA	G.O.: SSF0688973	ITEM:	SHEET: 2 of 4





Total of 3 Structures, Total Weight of 1996 Weight-Lbs. with Front Hinged Doors.
Total of 3 Structures, Total Width of 110 Inches with Front Hinged Doors.

Structure	1	2	3			
Ship-Inches Ship-MM		72.00 1828	38.00 965			
Wdth-Inches Wdth-MM	36.00 914	36.00 914	38.00 965			
Depth(Inner)-In. Depth(Inner)-MM	30.00 762	30.00 762	30.00 762			
Depth(Outer)-In. Depth(Outer)-MM	43.00 1092	43.00 1092	43.00 1092			
Height-Inches Height-MM	90.00 2286	90.00 2286	90.00 2286			
Weight-Lbs.(Est.) Weight-Kg.(Est.)	540 244	676 306	780 353			

PREPARED BY: KARI DESOTO	DATE: 5/16/2016	Eaton	SumterSC		
APPROVED BY	DATE	JOB NAME	SC - JB-9561033 Case 7928362 Ranch		
		DESIGNATION	1000a SE 3		
VERSION: 8.0.10.0		TYPE: Switchboards		DRAWING TYPE: CustAppr	
NEG-ALT Number: SF010226X6K3-R001	REVISION: 0	DWG SIZE: DwgA	G.O.: SSF0688973	ITEM	SHEET: 3 of 4

Switchboard Units Information

Str#	Unit	Description/Modifications	Nameplate
1		1000A Utility Metering - SACRAMENTO MUN. UTIL. DEPT (SMUD)	
2		Main Breaker - Ind Mtd-600A 3P [LGE 600A Frame], Trip 600 A.Thermal Mag	
	1	Feeder Breaker - Chassis Mtd-20A 1P [FD 100A Frame], Trip 20 A.Thermal Mag Terminals, Mechanical, (1) #14-1/0 Neutral Terminal, (1) #14-1/0	
	2	Feeder Breaker - Chassis Mtd-20A 1P [FD 100A Frame], Trip 20 A.Thermal Mag Terminals, Mechanical, (1) #14-1/0 Neutral Terminal, (1) #14-1/0	
	3	Feeder Breaker - Chassis Mtd-20A 3P [FD 225A Frame], Trip 20 A.Thermal Mag Terminals, Mechanical, (1) #14-1/0 Neutral Terminal, (1) #14-1/0	
	4	Feeder Breaker - Chassis Mtd-3P [FD 225A Frame] Provision Neutral Terminal, (1) #14-1/0	
3		Feeder Switch - Ind Mtd-1200A 3 Pole Bolted Pressure Switch, Class L fuse clips provided, (fuses provided by others) Terminals, Mechanical, (4) #4-500 kcmil, Bottom Ground fault protection (with electric trip switch and test panel) 1200A Utility Metering - SACRAMENTO MUN. UTIL. DEPT (SMUD)	

PREPARED BY: KARI DESOTO	DATE: 5/16/2016	**Eaton**	SumterSC		
APPROVED BY:	DATE:	JOB NAME	SC - JB-9561033 Case 7928362 Ranch		
		DESIGNATION	1000a SE 3		
	VERSION: 8.0.10.0	TYPE: Switchboards		DRAWING TYPE: CustAppr	
NEG-ALT Number: SF010226X6K3-R001	REVISION: 0	DWG SIZE: DwgA	G.O.: SSF0688973	ITEM:	SHEET: 4 of 4

632BOCKMON AND WOODY ELECTRIC CO., INC.
INDUSTRIAL, COMMERCIAL, & INSTITUTIONAL WIRING
P.O. BOX 1018
STOCKTON CA. 95201
PHONE: (209) 464-4878
FAX: (209) 464-2615
LICENSE NO. 588308

BID PROPOSAL (REV 1)

DATE: 4/5/2016

ATTN: David Lantis
COMPANY: Solar City

Project: Rancho Murieta Community Service District – WWTP 769.42KW PV System

Ladies & Gentlemen:

Bockmon & Woody Electric Co. Proposes to bid on the referenced project as a subcontractor for the electrical portion of the work required under the general contract and any modifications.

Our proposal is according to the provisions and terms of the contract documents. Our bid price will be per the Plans Dated 3/29/2016 sales tax included.

The specification sections for the scope of work quoted by Bockmon & Woody Electric are as follows: Electrical, No Specification Received

Bockmon & Woody Electric Co., Inc. recognizes Addendums: NONE

**This bid proposal is good for 30 days.
**Work to be completed on a reasonable schedule.
**Subcontractor shall not be responsible for safety violations by others.

Base Bid	
Labor	**$**
Material	**$**
Equipment	**$**
TOTAL	**$**
Add Alt#1 – Extend Feeder from (E) SES to new MSB	
Labor	**$**
Materials	**$**
TOTAL	**$**
Add Alt#2 – Install SMUD pad, Primary & Secondary	
Labor	**$ 30,570.00**
Material	**$ 20,000.00**
Equipment	**$ 5,000.00**
TOTAL	**$ 55,570.00**
TOTAL	**$**

SCOPE OF WORK BASE BID:

1. Install new 1000Amp Switchgear on new Concrete pad
2. Provide Concrete housekeeping pad for new Gear
3. Re-Feed existing 600A SES from New Switchgear
4. Install AC Disconnect
5. Install PV Production meter
6. Install 480V AC load Centers at array
7. Provide & Install Underground & Above ground conduit and wiring for AC System
8. Provide & Install Underground Conduits & PVC Risers at each array for DC Cabling. DC Cables provided and installed by Solar City
9. Provide & Install EMT 1" Conduits & Wiring from LC Panels to Inverters on Racks at Arrays
10. Provide all Excavation, Backfill, and Compaction from Building to AC Combiner panels. Backfill With Native Soils
11. Provide Monitoring Pipe and CAT5 per plans
12. All other Electrical Scope is by others
13. Install a Total of 25 Inverters including Uni-strut Support Rack supported to RBI post. Solar City to provide inverters. AC/DC/ Monitoring pipes will be terminated and ready for Solar City to Pull DC wiring.
14. Provide Labels for AC Equipment only
15. Provide testing of AC Cables only

Add Alt#1 Scope:

16. Additional Distance to Refeed existing SES to new location of new MSB shown on drawings dated 3/29/2016

Add Alt#2 Scope:

17. Install 4" Underground Conduit for SMUD Primary Conductors. Provide Excavation & Backfill. MAX Distance of 250' is in the estimate.
18. Install Solar City Furnished Utility Transformer pad. B&W provide grounding and set pad. Transformer by SMUD.
19. Install Secondary Conduits and Conductors from SMUD Transformer to new MSB per Solar city plans. Terminate all conductors. Provide all Trenching and Backfill.

Exclusions:

1. Cost of permits, fees, & bonds
2. All Primary & Secondary SMUD Conduit & Wire is Excluded
3. Rock Excavation, using Explosives, If encountered additional compensation will be required.
4. Furnishing all Panels, Inverters, Transformers & Disconnects
5. Fencing Enclosures
6. Steel Pipe Supports for inverters provided by others
7. Installation of Modules
8. Installation of Racking systems
9. Special Freight
10. Internet connections / wiring / conduits by others

11. Transformers provided by others
12. Monitoring equipment
13. Any additional work that is not listed in this proposal
14. Structural Steel
15. DC work
16. Fence Grounding
17. Bollards
18. Utility Fees
19. Engineered Seismic studies
20. Tree Demo/Removal
21. Surveying
22. Site Water
23. ADA Improvements
24. Repairing any damages done by others
25. Temporary Power and Maintenance of Temp Power
26. Temporary Fencing & Toilet
27. All Overtime and/or Premium Time

We appreciate the opportunity of offering our scope and proposal for your consideration. Should there be any questions, please feel free to contact us at your convenience.

Sincerely,
Bockmon & Woody Electric Co., Inc.

Gary M. Woody
Project Manager / Estimator

APPROVED BY_____ DATE_____

MEMORANDUM

Date: May 31, 2016

To: Improvements Committee

From: Paul Siebensohn, Director of Field Operations

Subject: Updates

AUGMENTATION WELL
No Update.

WATER TREATMENT PLANT EXPANSION
The bird netting has been installed under and around Plant #1 membrane canopy (see below).

Plant #2 siding replacement of dry rotted wood is completed.

Staff is continuing to work with the control systems integrator to work out issues within the SCADA programming and instrumentation. It is anticipated this will be ongoing for the next few months.

SOLAR POWER INSTALLATION
We are continuing to work with SMUD and Solar City to revise the solar array layout by the Water Plant to fit within our property boundaries, meet SMUD's requirements, and keep the kW output

as proposed. It is SMUD's recommendation that a 10' horizontal clearance from the center of a power pole and lines be kept in order to maintain a safe working clearance. I have asked SMUD to provide documentation as to if this is a requirement, such as in a code or policy, or just a recommendation. So far, I have heard back from SMUD that this is a recommendation but are waiting for a more firm answer.

Solar City anticipates beginning the solar array installation next to the Wastewater Reclamation Plant the week of June 13, 2016. They reported a slight delay due to the reviews and resubmittals of the construction plan with Sacramento County. If things go well with SMUD and Sacramento County, the water plant solar array installation may move forward the week of June 27, 2016.