

AGENDA STAFF REPORT

DATE: January 24, 2018

TO: Mayor and City Council

APPROVED BY: David Dale, Interim City Manager, *DD*

PREPARED BY: David Dale, Interim City Manager

SUBJECT: Authorize Interim City Manager to Sign Change Order No. 2 with Control System Engineering, Inc. in the Amount of \$51,899.45 for the Water Treatment Plant Emergency Generator Project No. 2017-100.

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Recommendation:

Authorize Interim City Manager to Sign Change Order No. 2 with Control System Engineering, Inc. in the amount of \$51,899.45 for the Water Treatment Plant Emergency Generator Project No. 2017-100.

Background:

On February 14, 2017, City of Calexico solicited bids for the installation of Emergency Generator at the Water Treatment Plant. The work shall include furnishing and installing the complete, operable electrical system including, but not limited to, the following:

- Provide emergency generator.
- Provide connection to existing electrical switchboard.
- Provide retaining wall and concrete pad to support generator.
- Provide HVAC unit at generator room.

Discussion & Analysis:

On April 5, 2017, the City Council of the City of Calexico awarded a construction contract to Control System Engineering, Inc. for the above-mentioned project in the amount of \$1,152,468.00. Due to additional work that was not anticipated during the bid process, Public Works staff is requesting that the City Council of the City of Calexico approve the following change order:

1.	Imperial County AQMD Source Emission Testing	\$21,601.43
2.	Missing Generator Controls	\$18,627.31
3.	SCADA System Programming	\$6,932.09

**AGENDA
ITEM**

9

4. Fuel System Piping Modifications

With Change Order No. 2 the new contract amount will be \$1,209,376.00.

Fiscal Impact:

Budgeted Item for FY 2017-2018
Water Treatment Operating Funds - \$51,899.45.

Coordinated With:

Public Works Department.

Attachment(s):

1. Control System Engineering, Inc. Change Order No. 1



CITY OF CALEXICO
PUBLIC WORKS DEPARTMENT
CHANGE ORDER NO. 2

Name of Project: Water Treatment Plant Emergency
Generator Project No. 2017-100
Name of Contractor: Control System Engineering, Inc.
Date: 01/24/18

#	Description	Price Increase	Price Decrease	Time Extension
1	Imperial County AQMD Source Emissions Testing	\$ 21,601.43		
2	Missing Generator Controls and 2" Conduit	\$ 18,627.31		
3	SCADA System Programming and Modbus Interface	\$ 6,932.09		
4	Fuel System Piping Modifications	\$ 4,738.62		
	Sub-Total	\$ 51,899.45		
	Total	\$	51,899.45	
	Contract Amount	\$	1,157,476.55	
	Total Contract Amount (Contract + Change Order No. 1 and 2)	\$	1,209,376.00	

David Dale, Public Works Director/City Engineer
City of Calexico, 608 Heber Avenue, Calexico, California

Robert Ortiz, Project Inspector
City of Calexico, 608 Heber Avenue, Calexico, California

Eric A. Blom, Project Manager
Control System Engineering, Inc., PO Box 128, Murrieta, California



License 558496

P O Box 128, Murrieta, CA 92564
VOICE 951.696.3689 FAX (888)398-2734
www.ControlSystemsEng.com

January 15, 2018

David Dale, PE
City of Calexico
545 Pierce Ave
Calexico, CA 92231

RE: Calexico WTP Generator Project
Emissions Source Testing Services

David Dale
Interim City Manager,

The Imperial County AQMD generator permitting agency has enacted a new requirement on the owners / operators of engine generators to provide onsite emissions testing every 2-3 years. While this requirement has been argued recently with the agency for any new installation which already comes pre-certified by the manufacturer and the federal EPA, the Imperial county AQMD has taken the position that they want the testing in the beginning to sign off the generator permit to construct. The contract bid documents do not require the contractor to provide these services or to pay for these services. If the City of Calexico needs our assistance coordinating and managing these processes as part of our current contract, we have included a cost proposal. Please note that the specified load bank testing and the commissioning testing will all have been completed as specified prior to this AQMD emissions witnessed tests. Those cannot be combined because the process is quite different for the generator commissioning -vs- the witnessed source emissions testing.

If you have any questions or need additional information, please feel free to contact me at 951-551-6347.

Sincerely,

Eric A. Blom
President

Electrical Construction, Industrial Controls and Automation

Contractor's Estimate of Costs												
No.	Item of Work	No. of Units	Unit	Labor			Material			Sub-Contractor		
				M.H. Per Unit	M.H. Total	Cost/ M.H.	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
1	Montrose Air Quality Service CE#002AS2-341437	2.00	EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$6,050.00	\$12,100.00	\$0.00
2	Empire Power Systems Quotation #SM_010218	2.00	EA	0.000	0.00	0.00	\$0.00	\$2,705.00	\$5,410.00	\$0.00	\$0.00	\$0.00
3	Contractor On-Site	1.00	LUMP	110.000	110.00	16.00	\$1,760.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
8			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
26			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
				ITEM TOTALS			\$1,760.00	\$5,410.00	\$0.00	\$5,410.00	\$0.00	\$12,100.00
				110						\$12,100.00		



Cost Estimate

Montrose Air Quality Services, LLC
1631 E. St. Andrew Place
Santa Ana, CA 92705
714-279-6777
Prepared By: Joe Rubio

Date: 1/15/2018
 Proposal Document Number: 002AS2-341437

Cost Estimate Provided To:

Eric Blom
 Control Systems Engineering, Inc.
 36632 Ponderosa Ct
 Murrieta, Ca 92563
 (951) 696-3689
 Eric@controlsystemseng.com

Project: City of Calexico
Test Date(s): TBD
Scope of Work:
 Testing of two (2) 800Kw Standby Generators Sets, for NOx and CO using Method CARB 100. It is understood that the purpose of the test program is to satisfy the source test requirements as delineated in the Imperial County Air Pollution Control District's Permit to Operate #2525-2.

Proposed Lump Sum Services:

Item No.	QTY	Item Description	Unit Price	Amount	
2	1	Planning & Protocol	\$621	\$621	
3	1	Test Preparation	\$280	\$280	
4	1	Mob/Travel/Set Up/DeMob	\$1,637	\$1,637	
5	1	On-Site Testing	\$2,641	\$2,641	
7	1	Standard Reporting	\$871	\$871	
				Sub Total	\$6,050
				Total for 2 generators	\$12,100

Out of Scope Services:

Item No.	QTY	Item Description	Unit Price	Amount	
9	0	Out of scope: per hour on-site per team member	\$133	\$0	
10	0	Out of scope: per day on-site	#VALUE!	#VALUE!	
11	0	Postponement/Cancellation: greater than 14 days	\$0	\$0	
12	0	Postponement/Cancellation: 8-14 days	\$1,140	\$0	
13	0	Postponement/Cancellation: 3-7 days	\$2,279	\$0	
14	0	Postponement/Cancellation: less than 3 days	\$3,419	\$0	
				Sub Total	#VALUE!
				Total	#VALUE!

Assumptions:

1) Safe access to sample ports meeting regulatory criteria provided by client. 2) Adequate electricity (480V single phase or 2 independent, non-GFI, 110V circuits at mobile lab and 2,

Standard Terms and Conditions

I.

Montrose Air Quality Services, LLC (through itself or its affiliates or subsidiaries) ("Montrose") agrees to perform the services described in the proposal attached hereto which

II. COMPENSATION

Client agrees to pay for the services in the proposal in accordance with the compensation provisions set forth therein. Unless otherwise agreed, Montrose shall, at its sole discretion, invoice Client incrementally upon execution of services in the form of two bills: (1) delivery of the test protocol, preparation, equipment fees, performance of the fieldwork, and the analytical tasks, and (2) delivery of the final report(s) or five days after delivery of the draft report(s). Montrose shall invoice Client any remaining amounts due, including but not limited to out of scope charges, delay time or other fees, upon completion of the final report(s) or five days after delivery of the draft report(s).

Time-related charges will be made in accordance with the billing rate referenced in the proposal or agreement. Direct expenses and Subcontractor services shall be billed in

Montrose shall also be entitled to reimbursement from Client of expenses, including attorney's fees and court costs, which may be incurred in collecting any overdue

III. RESPONSIBILITY

Montrose is employed to render a professional service only, and any payments made by Client are compensation solely for such services rendered and recommendations made in carrying out the work. Montrose shall perform the services in accordance with the usual and customary care and accepted practices in effect when the services are Montrose's review or supervision of work prepared or performed by other individuals or firms employed by Client shall not relieve those individuals or firms of complete

It is understood that any resident engineering or inspection provided by Montrose is for the purpose of determining compliance with the technical provisions of the project

IV. FORCE MAJEURE

Montrose, its officers, employees and agents, shall not be liable for its failure to perform hereunder or for any loss or damage due to any failure of delay from any cause beyond the reasonable control of Montrose. This includes but is not limited to: acts of God, war (declared or undeclared) terrorist attaches, civil commotion, tornados, embargoes, epidemics, fires, floods, strikes, testing difficulties, shortage of chemicals, materials, or other equipment, acts or omissions by Client, acts or omissions of suppliers or vendors, acts or omissions of governmental authorities, or changes to any applicable governmental laws or regulations.

V. INDEMNIFICATION

Client agrees to indemnify Montrose and its officers, directors, subsidiaries, employees and affiliates for any losses (including reasonable fees and expense incurred, including reasonable attorney fees), arising out of or related to any legal action or claim resulting from any services provided by Montrose, to which Montrose is not a party and to the extent Montrose is found not to be at fault in connection with such claim or legal action.

VI. LIMITATION OF LIABILITY

MONTROSE'S LIABILITY HEREUNDER SHALL BE LIMITED TO THE AMOUNT OF INSURANCE COVERAGE PROVIDED HEREIN. IN NO EVENT SHALL MONTROSE BE LIABLE TO CLIENT OR TO ANY THIRD PARTY FOR ANY LOSS OF USE, REVENUE OR PROFIT, OR FOR ANY CONSEQUENTIAL, INCIDENTAL, INDIRECT, EXEMPLARY, SPECIAL OR PUNITIVE DAMAGES WHETHER ARISING OUT OF BREACH OF CONTRACT, TORT (INCLUDING NEGLIGENCE) OR OTHERWISE, REGARDLESS OF WHETHER SUCH DAMAGES WERE FORESEEABLE AND WHETHER OR NOT MONTROSE HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, AND NOTWITHSTANDING THE FAILURE OF ANY AGREED OR OTHER REMEDY OF ITS ESSENTIAL PURPOSE

VII. INSURANCE

Montrose shall maintain during the life of the Agreement the following minimum insurance:

- 1 Commercial general liability including bodily injury, property damage, owners and contractors protective, products/completed operations, contractual and
- 2 Automobile bodily injury and property damage liability insurance covering owned, non-owned, and hired cars. The combined single limit for bodily injury
- 3 Statutory worker's compensation and employers' liability insurance as required by state law.

- 4 Professional liability insurance with limits of not less than \$1,000,000.

VIII. SUBCONTRACTS

Montrose shall be entitled, to the extent determined to be appropriate by Montrose, to subcontract any portion of the work to be performed under this Agreement.

IX. ASSIGNMENT

These terms and conditions and the agreement to which they are attached are binding on the heirs, successors, and assigns of the parties hereto. The agreement is not to be assigned by either Client without the prior written consent of the other.

X. INTEGRATION

These terms and conditions and the agreement to which they are attached represent the entire understanding of Client and Montrose as to those matters contained herein. No prior oral or written understanding shall be of any force or effect with respect to those matters covered herein. The agreement may not be modified or altered except in writing signed by both parties.

XI. CHOICE OF LAW/JURISDICTION

This agreement shall be administered and interpreted under the laws of the state in which the Montrose office responsible for the project is located. Jurisdiction of litigation arising from the agreement shall be in that state.

XII. SEVERABILITY

If any part of the agreement is found to be in conflict with applicable laws, such part shall be inoperative, null and void insofar as it is in conflict with said laws, but the remainder of the agreement shall be in full force and effect.

XIII. NO BENEFIT FOR THIRD PARTIES

The services to be performed by Montrose hereunder are intended solely for the benefit of Client, and no right or benefit is conferred on, nor any contractual relationship intended or established with any person or entity not a party to this Agreement. No such person or entity shall be entitled to rely on Montrose's performance of its services hereunder.

XIV. INDEPENDENT CONTRACTOR

The relationship between the parties is that of independent contractors. Nothing contained in this Agreement shall be construed as creating any agency, partnership, joint venture or other form of joint enterprise, employment or fiduciary relationship between the parties, and neither party shall have authority to contract for or bind the other party in any manner whatsoever.

XV. WORK PRODUCT

Montrose and Client recognize that Montrose's work product submitted in performance of this Agreement is intended only for the project covered by this Agreement. Change, alteration, or reuse on another project by Client shall be at Client's sole risk, and Client shall hold harmless and indemnify Montrose against all losses, damages, costs and expense, including attorneys' fees, arising out of or related to any such unauthorized change, alteration or reuse.

XVI. SUSPENSION OF WORK

Client may suspend, in writing, all or a portion of the work under the agreement in the event unforeseen circumstances beyond the control of the Client make normal progress in the performance of the work impossible. Montrose may request that the work be suspended by notifying Client, in writing, of circumstances that are interfering with normal progress of the work. Montrose may suspend work on the project in the event Client does not pay invoices when due. The time for completion of the work shall be extended by the number of days the work is suspended. In the event that the period of suspension exceeds 90 days, the terms of the agreement are subject to

XVII. TERMINATION OF WORK

Either party at any time, upon reasonable written notice to the other party, may terminate the services hereunder. Upon such termination, Client shall pay Montrose all the amounts it owed hereunder for performance up to the date of termination, plus, if such termination is not due to Montrose's default under this Agreement, reasonable expenses incurred by Montrose as a result of such termination.

XVIII. NOTICES

All notices required under this Agreement shall be by personal delivery, facsimile or mail to the Montrose Client Account Manager and to the person signing the proposal on behalf of the Client, and shall be effective upon delivery to the addressed stated in the proposal.



EMPIRE POWER SYSTEMS

840 N. 43rd Ave
Phoenix, AZ 85009

Current Date: January 2, 2018
Quotation Number: SM_010218
Quotation Expires: March 2, 2018

Control Systems Engineering, Inc
Attn: Eric Blom, President
Mobile (951)551-6347
Eric@controlsystemseng.com

Water Treatment Plant Emergency Generator Project # 2017-100

In accordance with your request, we are pleased to submit the following Change-Order for the above-mentioned project.

Empire Power Systems, an equipment provider took **exception** in bid proposal to any specification in regard to permitting which could include source testing.

Per section 26 00 00 Electrical Part 1 General – 1.07 Permits and Inspections, "B" Owner shall apply and pay for all permits, source testing is part of the permit process.

I have priced Empire Power Systems services to provide load bank testing support for source testing (provided by others) if required by ARB. Please note the price is per unit.

Thank you for the opportunity to provide the attached Change-Order quote. Empire Power Systems remains at your disposal for any additional information or assistance that you may require.

Sincerely yours,

Steve Maddox

Empire Power Systems
(520) 407-3106 Office
(520) 955-3106 Mobile
steve.maddox@empire-cat.com



EMPIRE POWER SYSTEMS
840 N. 43rd Ave
Phoenix, AZ 85009

Load Bank Testing C27-800kW Genset - Supporting Source Testing BY OTHERS \$ 2,705 each
Freight for load bank is included FOB truck job site, City of Calexico WTP

Total price \$ 5,410

NOTE: TAX AND AFTER HOUR WORK NOT INCLUDED

Total price based on separate trips to complete source testing support for both units.

This Quote Specifically Excludes:

- Any applicable Taxes
- After hour labor price differential
- Permitting and source testing
- Diesel Fuel
- Crane or Rigging at Job Site

Subject to the attached terms and conditions
This quote automatically expires March 2, 2018.

The undersigned acknowledge that the preceding proposal has been read in its entirety, is understood and is hereby accepted:

Company: Empire Power Systems

Company: _____

Printed Name: Steve Maddox

Printed Name: _____

Signature: Steve Maddox

Signature: _____

Date: January 2, 2018

Date: _____

Purchase Order: _____

TERMS & CONDITIONS

A) Customer is responsible for any and all installation of the equipment supplied by **Empire Power Systems**, unless otherwise specified in writing. All equipment needed to perform any loading or unloading of the equipment supplied by **Empire Power Systems** is the responsibility of the buyer.

B) **Empire Power Systems** limits the scope of supply for this quotation to the equipment and services listed in our bill of material. Unless specifically listed in our bill of material, equipment not indicated is assumed to be supplied by others. We have detailed the equipment proposed in the bill of material. Please check it to be certain that it meets your requirements.

C) **Empire Power Systems** reserves the right to correct any errors or omissions. Standard warranty of the manufacturer applies. Copies are available upon request.



D) Contracts which include penalty or liquidated damage clauses, waivers of subrogation, or naming a third party additionally insured are not acceptable or binding on **Empire Power Systems**, unless accepted and confirmed in writing by an officer of **Empire Power Systems** at its Phoenix division office.

E) Unless agreed to in writing, **Empire Power Systems** will not accept purchase orders which:

- Require Empire Power Systems to pay any and all legal expenses for the purchaser in the event of a dispute
- Require that Empire Power Systems be responsible for design work and/or guarantee that a performance standard for a system be met
- Require completion and acceptance of the project by the owner before payment

F) There will be a **25%** of order cancellation fee for any orders cancelled, once placed and accepted by **Empire Power Systems**.

G) **Empire Power Systems'** standard and extended terms and conditions are included in the quotation and hereby become part of this quotation. These same terms need to be noted on any purchase order received by **Empire Power Systems** in order to process your order.

H) **Empire Power Systems** will not be responsible for any labor or material charges by others associated with the start-up and installation of this equipment unless previously agreed upon, in writing by **Empire Power Systems**.

I) **Empire Power Systems** is a supplier of materials and related services and not a contractor. Retention is not acceptable.

J) Credit is subject to **Empire Power Systems**, approval at its sole discretion. This quote in no way constitutes approval of credit.

K) **Empire Southwest LLC** has entered a like-kind exchange (LKE) program. If the equipment described herein qualifies and is purchased, notice is hereby given that **Empire Southwest LLC** will assign its rights under the sales contract to **Empire Exchange LLC** including, if applicable, the right to purchase any trade-in property. If this contract is assigned to **Empire Exchange LLC** sales proceeds must be remitted according to the invoice rendered.

L) Sales payments are due Net 10; all others Net 30. Unless otherwise agreed in writing by a corporate officer of Empire Southwest, LLC ("Empire"), the purchase of goods (including, but not limited to, new and used equipment, attachments, parts and technology) or services from Empire will be governed solely by Empire's Terms and Conditions of Sales and Service (the "Terms"), which are available at www.empire-cat.com/termsandconditions or such other successor website at which Empire posts its Terms from time to time. A hard copy of the Terms is available upon written request to terms.conditions@empire-cat.com. Empire's Terms are hereby incorporated by reference into this document and all other documents related to your purchase of goods or services from Empire. By purchasing goods or services from Empire, you agree to be bound by Empire's Terms.

Terms and conditions of this quotation govern over any conflict between this document and customer's purchase order or other document.



License 558496

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www.ControlSystemsEng.com

January 15, 2018

David Dale, PE
City of Calexico
545 Pierce Ave
Calexico, CA 92231

RE: Calexico WTP Generator Project
Generator Interconnection Wiring Design Issue

David Dale
Interim City Manager,

We recently verified there are interconnection wiring and conduits missing from the design which are required to make the Caterpillar paralleling switchgear function correctly. Referencing the contract design drawings sheets ES1 & E2. On these contract drawings there are no references for network or discrete generator control cable conduit requirements. During construction we did provide a spare 1" conduit to each of the generators for future use, knowing there must be some minimal amount of control and network cable needed. During our recent coordination review with Empire caterpillar, there was a reference to a pre-bid design meeting with the City of Calexico to have a minimum of two 2" control conduits out to the generator area on the design drawings. This design requirement was recommended by Joe Perry from Empire Cat during a conference call with the City of Calexico (and their designers). The final bid documents had no reference to the control conduit requirements. Attached is the circuit requirements from the Caterpillar O&M manual for the switchgear. In this set of drawings on sheet G06 you will find this projects requirement for a system with options "G1" & "V6". Another issue not addressed in the referenced Caterpillar drawings (or) in the contract documents is any SCADA system interface to monitor the status of these generators.

Required Solution for Caterpillar Requirements:

The two 1" future network / control conduits out to the generator provided by us will not be sufficient to accommodate all of the control requirements of the switchgear. A minimum of one more 2" control conduit will be needed to get the full list of shown on the attached sheet pulled in. This will leave one spare unused 1" control conduit for future use. Since the underground conduit to this area has already been completed, it will require a significant amount of effort to add this recommended 2" conduit and control wiring. We have prepared a cost proposal to add the 2" conduit and the extra control wiring for your review. In general, this task requires the building walls be cored, a portion of sidewalk be

Electrical Construction, Industrial Controls and Automation



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removed, and a new trench dug. Then the controls as listed on the attached schedule be pulled in and terminated.

Optional Solution for customers SCADA System Requirements:

The new Caterpillar switchgear has a Modbus RTU RS-485 2 wire network from both generators to the switchgear. We recommend the customer add a Modbus to Ethernet bridge in the new switchgear to access all Modbus addresses in the entire system. This will require a Cat6 shielded ethernet cable be routed from the customers existing Ethernet network switch to this new switchgear in the old generator room. Programming changes in the existing Inductive Automation Ignition SCADA application will be required to interface the new generator and switchgear addresses. We are a Certified Ignition integrator. We have included that programming work in this proposal as well for the customers consideration.

Please review this issue, and provide us with direction.

If you have any questions or need additional information, please feel free to contact me at 951-551-6347.

Sincerely,

Eric A. Blom
President

CONTROL SYSTEMS ENGINEERING INC

Job: City of Calexico

Cost Estimate #: CE-06A

Missing Generator Controls and recommended 2" Conduit
Interconnection requirements which are not in the contract design documents

Contractor's Estimate of Costs											
No.	Item of Work	No. of Units	Unit	Labor				Material		Equipment	
				M.H. Per Unit	M.H. Total	Cost/ M.H.	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1	2" EMT CONDUIT	100.00	FT	0.000	0.00	57.00	\$0.00	\$3.67	\$367.00	\$0.00	\$0.00
2	2" EMT CONDUIT 90 DEG ELLS	2.00	EA	0.000	0.00	57.00	\$0.00	\$14.86	\$29.72	\$0.00	\$0.00
3	2" EMT CONDUIT COMPRESSION CONNECTORS	10.00	EA	0.000	0.00	57.00	\$0.00	\$4.94	\$49.40	\$0.00	\$0.00
4	2" EMT CONDUIT COMPRESSION COUPLINGS	10.00	EA	0.000	0.00	57.00	\$0.00	\$4.59	\$45.90	\$0.00	\$0.00
5	2" MOGUL BODY LB FITTINGS	3.00	EA	0.000	0.00	57.00	\$0.00	\$47.00	\$141.00	\$0.00	\$0.00
6	2" EMT CONDUIT THIN WALL STRUT STRAPS	12.00	EA	0.000	0.00	57.00	\$0.00	\$2.00	\$24.00	\$0.00	\$0.00
7	2" PVC SCHED 40 CONDUIT	60.00	FT	0.000	0.00	57.00	\$0.00	\$2.78	\$166.80	\$0.00	\$0.00
8	2" PVC SCHED 40 FEMALE ADAPTORS	2.00	EA	0.000	0.00	57.00	\$0.00	\$3.00	\$6.00	\$0.00	\$0.00
9	2" PVC SCHED 40 CONDUIT 90 DEG ELLS 36" R	2.00	EA	0.000	0.00	57.00	\$0.00	\$7.80	\$15.60	\$0.00	\$0.00
10	2" PVC SCHED 40 CONDUIT COUPLINGS	6.00	EA	0.000	0.00	57.00	\$0.00	\$1.89	\$11.34	\$0.00	\$0.00
11	2" LIQUID TITE STEEL FLEX CONNECTORS, STRAIGHT	2.00	EA	0.000	0.00	57.00	\$0.00	\$11.60	\$23.20	\$0.00	\$0.00
12	2" LIQUID TITE STEEL FLEX	20.00	FT	0.000	0.00	57.00	\$0.00	\$13.00	\$260.00	\$0.00	\$0.00
13	2" MINERALAC PIPE STRAPS	4.00	EA	0.000	0.00	57.00	\$0.00	\$1.89	\$7.56	\$0.00	\$0.00
14	3/8" BEAM CLAMPS, STEEL	4.00	EA	0.000	0.00	57.00	\$0.00	\$2.00	\$8.00	\$0.00	\$0.00
15	CONCRETE ENCASEMENT, 4000 PSI BIG ROCK MIX	4.00	CU	0.000	0.00	57.00	\$0.00	\$108.00	\$432.00	\$0.00	\$0.00
16	SHORT LOAD CHARGE BY SUPERIOR	1.00	EA	0.000	0.00	57.00	\$0.00	\$200.00	\$200.00	\$0.00	\$0.00
17	CORE DRILL RENTAL	1.00	EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$150.00	\$150.00
18	JACK HAMMER RENTAL	1.00	EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$275.00	\$275.00
19	1 SACK GROUT MIX	1.00	EA	0.000	0.00	57.00	\$0.00	\$6.00	\$6.00	\$0.00	\$0.00
20	CONTROL CONDUCTORS:			0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21	#10 THHN STRANDED, BLK, RED, GREEN	2,000.00	FT	0.000	0.00	57.00	\$0.00	\$0.39	\$780.00	\$0.00	\$0.00
22	3 CONDUCTOR #16 SHD BELDEN 8618	1,000.00	FT	0.000	0.00	57.00	\$0.00	\$1.70	\$1,700.00	\$0.00	\$0.00
23	2 CONDUCTOR #16 SHD BELDEN 8618	1,000.00	FT	0.000	0.00	57.00	\$0.00	\$1.13	\$1,130.00	\$0.00	\$0.00
24	#14 THHN STRANDED, BLUE 22(200) CUTS	4,400.00	EA	0.000	0.00	57.00	\$0.00	\$0.23	\$1,012.00	\$0.00	\$0.00
25	MACHINE PRINTED WIRE ID TAGS	80.00	EA	0.000	0.00	57.00	\$0.00	\$0.39	\$31.20	\$0.00	\$0.00
26	PULLING LUBRICANT	1.00	EA	0.000	0.00	57.00	\$0.00	\$5.00	\$5.00	\$0.00	\$0.00
27	ETHERNET CABLE, CAT6 4 PAIR	200.00	EA	0.000	0.00	57.00	\$0.00	\$0.44	\$88.00	\$0.00	\$0.00
28	LABOR ESTIMATE:		EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
29	2 WALL CORES WITH GROUT SEALING	1.00	EA	12.000	12.00	57.00	\$684.00	\$0.00	\$0.00	\$0.00	\$0.00
30	DEMO SIDEWALK SECTION	1.00	EA	4.000	4.00	57.00	\$228.00	\$0.00	\$0.00	\$0.00	\$0.00
31	HAND DIG TRENCH, ENCASE, BACKFILL	1.00	EA	24.000	24.00	57.00	\$1,368.00	\$0.00	\$0.00	\$0.00	\$0.00
32	FORM POUR FINISH SIDEWALK 5x8 FT	1.00	EA	8.000	8.00	57.00	\$456.00	\$0.00	\$0.00	\$0.00	\$0.00
33	EXPOSED CONDUIT IN BLDG	1.00	EA	32.000	32.00	57.00	\$1,824.00	\$0.00	\$0.00	\$0.00	\$0.00
34	EXPOSED FLEX C. IN GENERATOR	1.00	EA	4.000	4.00	57.00	\$228.00	\$0.00	\$0.00	\$0.00	\$0.00
35	PULLING IN CONDUCTORS	1.00	EA	16.000	16.00	57.00	\$912.00	\$0.00	\$0.00	\$0.00	\$0.00
36	TEST TAG TERMINATE CONDUCTORS	1.00	EA	10.000	10.00	57.00	\$570.00	\$0.00	\$0.00	\$0.00	\$0.00
37			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
38			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
39			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ITEM TOTALS					110		\$6,270.00		\$6,539.72		\$425.00



655 SOUTH H ST
SAN BERNARDINO CA 92410-3417

INVOICE

Invoice Questions Please Call or Email
909-386-6300 or ARQuestions@graybar.com

Invoice No: 9301774688
Invoice Date: 12/28/2017
Account Number: JP8762734
Account Name: Control Systems/Calexico WTP Emergency

Remit Payments To:
GRAYBAR ELECTRIC CO.
FILE 57071
LOS ANGELES CA 90074-7071

CONTROL SYSTEMS ENG.
PO BOX 128
MURRIETA CA 92564-0128

Ship to:
Control Systems/Calexico WTP Emergency
Cruz Guleb
599 Cook Street
WESTMORLAND CA 92281

Order No: ERIC						SO#: 362213926	
Del. Doc. #:	PRO #	Routing	Date Shipped	Shipped From	F.O.B.	Rt. To	
8018073532	1Z37W7520306451950	UPS	12/27/2017	UNION CITY, CA	PPD - Bill		
Signed For By:							
Quantity	Catalog # / Description			Unit Price / Unit		Amount	
2	LT15045 COOPER CROUSE-HINDS DIVISION 1-1/2 45D L/T CONN			1357.43 / 100		27.15	
Del. Doc. #:	PRO #	Date Shipped	Routing	F.O.B.	Shipped From	Rt. To	
8018073533	1ZA853T90301984103	12/27/2017	UPS	S/P - F/A	POMONA, CA		
Signed For By:							
1000	6NP4P24-S-BL-R-BER-PV BERK-TEK LLC 10122951			440.54 / 1000		✓ 440.54 <i>OKAY</i> <i>EL</i>	
Terms of Payment				Sub Total		467.69	
1% 10th Prox., net 15th Prox.				Freight		14.77	
As a condition of the sales agreement, a monthly service charge of the lesser of 1-1/2% or the maximum permitted by law may be added to all accounts not paid by net due date. Visa, MasterCard, American Express, and Discover credit cards are accepted at point of purchase only.				Handling		3.00	
				Tax		36.48	
				Total Due		521.94	
				Cash Discount (if paid within terms)		4.68-	
				CALEXICO REMEDIATION CO.		517.26	

SUBJECT TO THE STANDARD TERMS AND CONDITIONS LISTED ON WWW.GRAYBAR.COM.



655 SOUTH H ST
SAN BERNARDINO CA 92410-3417

INVOICE

Invoice Questions? Please Call or Email
909-386-6300 or ARQuestions@graybar.com

Invoice No: 9301763052
Invoice Date: 12/28/2017
Account Number: JP8762734
Account Name: Control Systems/Calexico WTP Emergency

Remit Payments To:
GRAYBAR ELECTRIC CO.
FILE 57071
LOS ANGELES CA 90074-7071

CONTROL SYSTEMS ENG.
PO BOX 128
MURRIETA CA 92564-0128

Ship to:
Control Systems/Calexico WTP Emergency
Cruz Guleb
599 Cook Street
WESTMORLAND CA 92281

Order No: ERIC						SO#: 362213926
Del. Doc. #:	PRO #	Routing	Date Shipped	Shipped From	F.O.B.	Rt. To
0362213926			12/27/2017	FACTORY		
Signed For By:						
Quantity	Catalog # / Description	Unit Price / Unit			Amount	
1000	BEL8719 OMNI CABLE CORP	1131.18 / 1000			1,131.18	✓
1000	BEL8618 OMNI CABLE CORP	1719.34 / 1000			1,719.34	✓
	INBOUND FREIGHT				91.24	OKAY EB
		3141.24				
		CALEXICO PENDING CO.				
Terms of Payment 1% 10th Prox., net 15th Prox. As a condition of the sales agreement, a monthly service charge of the lesser of 1-1/2% or the maximum permitted by law may be added to all accounts not paid by net due date. Visa, MasterCard, American Express, and Discover credit cards are accepted at point of purchase only.		Sub Total			2,941.76	
		Freight			0.00	
		Handling			0.00	
		Tax			227.99	
		Total Due			3,169.75	
		Cash Discount (if paid within terms)			28.51-	

SUBJECT TO THE STANDARD TERMS AND CONDITIONS LISTED ON WWW.GRAYBAR.COM.

CONTROL SYSTEMS ENGINEERING INC

Job: City of Calexico

Cost Estimate #: CE-06B

OPTIONAL SCADA SYSTEM PROGRAMMING AND MODBUS INTERFACE TO CONNECT THE NEW GENERATORS TO THE EXISTING IGNITION SCADA APPLICATION

Contractor's Estimate of Costs											
No.	Item of Work	No. of Units	Unit	Labor			Material		Equipment		
				M.H. Per Unit	M.H. Total	Cost/ M.H.	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost
1	MODBUS TO ETHERNET BRIDGE MODULE	1.00	EA	2.000	2.00	57.00	\$114.00	\$545.00	\$545.00	\$0.00	\$0.00
2	ETHERNET CABLE	1.00	EA	3.000	3.00	57.00	\$171.00	\$43.00	\$43.00	\$0.00	\$0.00
3			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
4			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
5			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
6			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
7	DESIGN AND CONFIGURE NEW SCADA	1.00	LS	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$5,000.00	\$5,000.00
8	APPLICATION WINDOWS FOR GENERATORS		EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
9	AND FUEL SYSTEMS IN CUSTOMERS IGNITION		EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
10			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
11			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
12			FT	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
13			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
14			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
15			CU	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
16			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
17			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
18			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
19			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
20				0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21			FT	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22			FT	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23			FT	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
26			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
27			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
28			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
29			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
30			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
31			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
32			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
33			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
34			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
35			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
36			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
37			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
38			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
39			EA	0.000	0.00	57.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
ITEM TOTALS					5		\$285.00		\$588.00		\$5,000.00

Ignition 7.9 Certified

This is to certify that

Eric A. Blom

Control Systems Engineering, Inc.

has successfully completed software certification and is qualified in system design and implementation using Ignition by Inductive Automation.



Robert McKenzie
Director of Training

November 14, 2017
Date





License 558496

P O Box 128, Murrieta, CA 92564
VOICE 951.696.3689 FAX (888)398-2734
www.ControlSystemsEng.com

1/15/2018

David Dale, PE
City of Calexico
545 Pierce Ave
Calexico, CA 92231

RE: Calexico Generator Project
Fuel System Piping Modifications

David Dale
Interim City Manager

As mentioned in our previous letter, any fuel system piping modifications are beyond our scope of supply on this project. We did not find any specification or drawing requirements referencing fuel piping modifications. Attachment is our finalized schematic of the work required to connect the new generators to the existing underground storage tank. Costs associated with this design / build work are included in the attached CE-02 cost proposal. The old diesel generator day tank pump is not a conflicting system, because the new system replaces the old. The diesel pumps run separately until after the new generators are commissioned. There is a need to preserve the old diesel fuel system day tank and piping in working order while the two new base tank pumps are connected in parallel to the 3000 gallon storage tank suction and return fuel pipes. We added the "T" fittings, and manual ball valves to isolate the old piping. Additionally, there was the need to add four pipes from the underground tank area to stub up at each generator base tank. If you have any questions or need additional information, please feel free to contact me at 951-551-6347.

Sincerely,

Eric A. Blom
President

Electrical Construction, Industrial Controls and Automation

CONTROL SYSTEMS ENGINEERING INC

Cost Estimate #: CE-02

ob: City of Calexico
 Design & Build The Generator Diesel Fuel Piping System to connect to the
 existing 3000 Gallon Diesel Fuel Tank

Contractor's Estimate of Costs

No.	Item of Work	No. of Units	Unit	Labor			Material			Equipment		
				M.H. Per Unit	M.H. Total	Cost/ M.H.	Total Cost	Unit Cost	Total Cost	Unit Cost	Total Cost	
1	Diesel Piping Hoses (Napa Auto)	4.00	EA	0.000	0.00	0.00	\$0.00	\$65.00	\$260.00	\$0.00	\$0.00	\$0.00
2	3/4" Black Pipe	126.00	FT	0.000	0.00	0.00	\$0.00	\$0.89	\$111.91	\$0.00	\$0.00	\$0.00
3	3/4" Elbows	20.00	EA	0.000	0.00	0.00	\$0.00	\$1.57	\$31.40	\$0.00	\$0.00	\$0.00
4	3/4" Couplings	20.00	EA	0.000	0.00	0.00	\$0.00	\$2.08	\$41.60	\$0.00	\$0.00	\$0.00
5	3/4" Unions	5.00	EA	0.000	0.00	0.00	\$0.00	\$6.85	\$34.25	\$0.00	\$0.00	\$0.00
6	3/4" Ball Valves	8.00	EA	0.000	0.00	0.00	\$0.00	\$8.05	\$64.40	\$0.00	\$0.00	\$0.00
7	3/4" Tee	1.00	EA	0.000	0.00	0.00	\$0.00	\$4.23	\$4.23	\$0.00	\$0.00	\$0.00
8	1" x 3/4" Bushings	2.00	EA	0.000	0.00	0.00	\$0.00	\$2.17	\$4.34	\$0.00	\$0.00	\$0.00
9	1" Pipe	10.00	FT	0.000	0.00	0.00	\$0.00	\$4.50	\$45.00	\$0.00	\$0.00	\$0.00
10	1" Tee	2.00	EA	0.000	0.00	0.00	\$0.00	\$4.66	\$9.32	\$0.00	\$0.00	\$0.00
11	1" Elbow	1.00	EA	0.000	0.00	0.00	\$0.00	\$3.03	\$3.03	\$0.00	\$0.00	\$0.00
12	1" Unions	3.00	EA	0.000	0.00	0.00	\$0.00	\$8.96	\$26.88	\$0.00	\$0.00	\$0.00
13	2" Ball Valve	1.00	EA	0.000	0.00	0.00	\$0.00	\$33.00	\$33.00	\$0.00	\$0.00	\$0.00
14	2" Black Pipe	30.00	FT	0.000	0.00	0.00	\$0.00	\$3.65	\$109.62	\$0.00	\$0.00	\$0.00
15	2" Elbows	3.00	EA	0.000	0.00	0.00	\$0.00	\$10.78	\$32.34	\$0.00	\$0.00	\$0.00
16	2" Tee	1.00	EA	0.000	0.00	0.00	\$0.00	\$15.51	\$15.51	\$0.00	\$0.00	\$0.00
17	2" Unions	2.00	EA	0.000	0.00	0.00	\$0.00	\$23.39	\$46.78	\$0.00	\$0.00	\$0.00
18	Pipe Wrap Tape Rolls	6.00	EA	0.000	0.00	0.00	\$0.00	\$7.60	\$45.60	\$0.00	\$0.00	\$0.00
19	Sealant	2.00	EA	0.000	0.00	0.00	\$0.00	\$15.99	\$31.98	\$0.00	\$0.00	\$0.00
20			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
21			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
22	Labor Costs	1.00	LUMP	52.080	52.08	32.00	\$1,666.56	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
23			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
24			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
25			EA	0.000	0.00	0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00
26	ITEM TOTALS		EA	0.000	0.00	52	\$1,666.56	\$0.00	\$951.19	\$0.00	\$0.00	\$0.00



1290 SOUTH DOGWOOD ROAD
EL CENTRO, CA 92243

Please contact with Questions: 909-517-3085

CONTROL SYSTEMS ENGINEERING INC
PO BOX 128
MURRIETA, CA 92564

INVOICE NUMBER	TOTAL DUE	CUSTOMER	PAGE
5312662	\$205.48	1016193	1 of 1

PLEASE REFER TO INVOICE NUMBER WHEN
MAKING PAYMENT AND REMIT TO:

FERGUSON ENTERPRISES INC #1350
PO BOX 740827
LOS ANGELES, CA 90074-0827

SHIP TO

COUNTER PICK UP
1290 SOUTH DOGWOOD ROAD
EL CENTRO, CA 92243

SHIP WHSE.	SELL WHSE.	TAX CODE	CUSTOMER ORDER NUMBER	SALESMAN	JOB NAME	INVOICE DATE	BATCH
669	669	CA13EC	CALEXICO 1701	633	CALEXICO	10/24/17	IO 402995
ORDERED	SHIPPED	ITEM NUMBER	DESCRIPTION	UNIT PRICE	UM	AMOUNT	
10	10	IB9F	3/4 BLK MI 150# 90 ELL	1.571	EA	15.71	
8	8	IBCF	3/4 BLK MI 150# COUP	2.077	EA	16.62	
6	6	PSPWT210	2X100 10 MIL PIPE WRAP TAPE	7.597	EA	45.58	
126	126	GBPTCA53F	3/4 BLK T&C A53A S40 PIPE	88.820	C	111.91	
INVOICE SUB-TOTAL							189.82
TAX						Imperial/El Centro	15.66

LEAD LAW WARNING: IT IS ILLEGAL TO INSTALL PRODUCTS THAT ARE NOT "LEAD FREE" IN ACCORDANCE WITH US FEDERAL OR OTHER APPLICABLE LAW IN POTABLE WATER SYSTEMS ANTICIPATED FOR HUMAN CONSUMPTION. PRODUCTS WITH "NP" IN THE DESCRIPTION ARE NOT LEAD FREE AND CAN ONLY BE INSTALLED IN NON-POTABLE APPLICATIONS. BUYER IS SOLELY RESPONSIBLE FOR PRODUCT SELECTION.

WATER FLOW RATE NOTICE: LAVATORY FAUCETS WITH FLOW RATES OVER 0.5 GPM ARE NOT ALLOWED FOR 'PUBLIC USE' IN CALIFORNIA.

Job Name CALEXICO

Cost Code COGS \$ 205.48

Held Y

Approved By EB Date 10-29-17

Go Paperless - Upgrade to Email Delivery!

You'll receive one email per day with all your invoices attached as a PDF. Contact us with your email address today.



Call us at the number above to switch to email delivery today!

TERMS: NET 10TH PROX	ORIGINAL INVOICE	TOTAL DUE	\$205.48
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All past due amounts are subject to a service charge of 1.5% per month, or the maximum allowed by law, if lower. If Buyer fails to pay within terms, then in addition to other remedies, Buyer agrees to pay Seller all costs of collection, including reasonable attorney fees. Complete terms and conditions are available upon request or at http://wolseley.com/terms_conditionsSale.html and are incorporated by reference. Seller may convert checks to ACH.



43244 RANCHO WAY
TEMECULA, CA 92590

Please contact with Questions: 909-517-3085

CONTROL SYSTEMS ENGINRNG INC
PO BOX 128
MURRIETA, CA 92564

INVOICE NUMBER	TOTAL DUE	CUSTOMER	PAGE
5511103	\$278.29	1016193	1 of 1

PLEASE REFER TO INVOICE NUMBER WHEN
MAKING PAYMENT AND REMIT TO:

FERGUSON ENTERPRISES INC #1350
PO BOX 740827
LOS ANGELES, CA 90074-0827

SHIP TO

COUNTER PICK UP
43244 RANCHO WAY
TEMECULA, CA 92590

SHIP WHSE.	SELL WHSE.	TAX CODE	CUSTOMER ORDER NUMBER	SALESMAN	JOB NAME	INVOICE DATE	BATCH
633	633	CA33TE	COLEXICO DWP	633		12/14/17	IO 407603
ORDERED	SHIPPED	ITEM NUMBER	DESCRIPTION	UNIT PRICE	UM	AMOUNT	
2		H15808	1 PT MEGALOC THRD SEALANT	15.990	EA	31.98	
4		FNWX415F	LF 3/4 BRS 600# WOG 2PC THRD	8.085	EA	32.34	
4		IBNF48	3/4X48 BLK RDY CUT PIPE	13.978	EA	55.91	
1		IBNG48	1X48 BLK RDY CUT PIPE	18.099	EA	18.10	
2		IBTG	1 BLK MI 150# TEE	4.234	EA	8.47	
2		IB150UG	1 BLK MI 150# BRS GJ UNION	8.958	EA	17.92	
14		IB9F	3/4 BLK MI 150# 90 ELL	1.571	EA	21.99	
4		IBCF	3/4 BLK MI 150# COUP	2.077	EA	8.31	
3		IB150UF	3/4 BLK MI 150# BRS GJ UNION	6.854	EA	20.56	
2		IB150UF	3/4 BLK MI 150# BRS GJ UNION	6.854	EA	13.71	
2		IBBGF	1X3/4 BLK MI BUSH	2.166	EA	4.33	
2		IBNGR	1X4-1/2 BLK STL NIP	3.459	EA	6.92	
2		IBNGS	1X5 BLK STL NIP	3.459	EA	6.92	
4		IBNFP	3/4X4 BLK STL NIP	2.107	EA	8.43	
INVOICE SUB-TOTAL							255.89
TAX						Riverside/Temecula	22.40
<p>LEAD LAW WARNING: IT IS ILLEGAL TO INSTALL PRODUCTS THAT ARE NOT "LEAD FREE" IN ACCORDANCE WITH US FEDERAL OR OTHER APPLICABLE LAW IN POTABLE WATER SYSTEMS. ANTICIPATED FOR HUMAN CONSUMPTION PRODUCTS WITH *NP IN THE DESCRIPTION ARE NOT LEAD FREE AND CAN ONLY BE INSTALLED IN NON-POTABLE APPLICATIONS. BUYER IS SOLELY RESPONSIBLE FOR PRODUCT SELECTION.</p> <p>WATER FLOW/RATE NOTICE: LAVATORY FAUCETS WITH FLOW RATES OVER 0.5 GPM ARE NOT ALLOWED FOR 'PUBLIC USE' IN CALIFORNIA.</p>							
<p>Job Name: COLEXICO Post Code: R Date: 12-17-17 E.D.</p>							
<p>Go Paperless - Upgrade to Email Delivery! You'll receive one email per day with all your invoices attached as a PDF. Contact us with your email address today.</p> <p>Call us at the number above to switch to email delivery today!</p>							

TERMS: NET 10TH PROX

ORIGINAL INVOICE

TOTAL DUE **\$278.29**

All past due amounts are subject to a service charge of 1.5% per month, or the maximum allowed by law, if lower. If Buyer fails to pay within terms, then in addition to other remedies, Buyer agrees to pay Seller all costs of collection, including reasonable attorney fees. Complete terms and conditions are available upon request or at http://wolseley.com/terms_conditionsSale.html and are incorporated by reference. Seller may convert checks to ACH.



1290 SOUTH DOGWOOD ROAD
EL CENTRO, CA 92243

Please contact with Questions: 909-617-3085

INVOICE NUMBER	TOTAL DUE	CUSTOMER	PAGE
5587744	\$239.26	1016193	1 of 1

PLEASE REFER TO INVOICE NUMBER WHEN
MAKING PAYMENT AND REMIT TO:

FERGUSON ENTERPRISES INC #1350
PO BOX 740827
LOS ANGELES, CA 90074-0827

SHIP TO

CONTROL SYSTEMS ENGINRNG INC
PO BOX 128
MURRIETA, CA 92564

COUNTER PICK UP
1290 SOUTH DOGWOOD ROAD
EL CENTRO, CA 92243

SHIP WHSE.	SELL WHSE.	TAX CODE	CUSTOMER ORDER NUMBER	SALESMAN	JOB NAME	INVOICE DATE	BATCH
669	669	CA13EC	CALEXICO 1701	633	CALEXICO 1701	01/08/18	IO 409428
ORDERED	SHIPPED	ITEM NUMBER	DESCRIPTION	UNIT PRICE	UNIT	AMOUNT	
3	3	IB9K	2 BLK MI 150# 90 ELL	10.781	EA	32.34	
1	1	IBTK	2 BLK MI 150# TEE	15.512	EA	15.51	
1	1	IB150UK	2 BLK MI 150# BRS GJ UNION	23.389	EA	23.39	
1	1	IB9G	1 BLK MI 150# 90 ELL	3.033	EA	3.03	
1	1	JBTK	1 BLK MI 150# TEE	4.658	EA	4.66	
1	1	IBRCKF	2X3/4 BLK MI 150# RED COUP	9.018	EA	9.02	
4	4	FNWX415F	LF 3/4 BRS 600# WOG 2PC THRD	8.085	EA	32.34	
2	2	FNWX415G	LF 1 BRS 600# WOG 2PC THRD FP	12.005	EA	24.01	
21	21	GBPTCA53K	2 BLK T&C A53A S40 PIPE	365.384	C	76.73	
INVOICE SUB-TOTAL							221.03
TAX						Imperial/EI Centro	18.23
<p>LEAD LAW WARNING: IT IS ILLEGAL TO INSTALL PRODUCTS THAT ARE NOT "LEAD FREE" IN ACCORDANCE WITH US FEDERAL OR OTHER APPLICABLE LAW IN POTABLE WATER SYSTEMS ANTICIPATED FOR HUMAN CONSUMPTION. PRODUCTS WITH "NP" IN THE DESCRIPTION ARE NOT LEAD FREE AND CAN ONLY BE INSTALLED IN NON-POTABLE APPLICATIONS. BUYER IS SOLELY RESPONSIBLE FOR PRODUCT SELECTION.</p> <p>WATER FLOW RATE NOTICE: LAVATORY FAUCETS WITH FLOW RATES OVER 0.5 GPM ARE NOT ALLOWED FOR 'PUBLIC USE' IN CALIFORNIA.</p>							
CALEXICO						OKAY E.B.	

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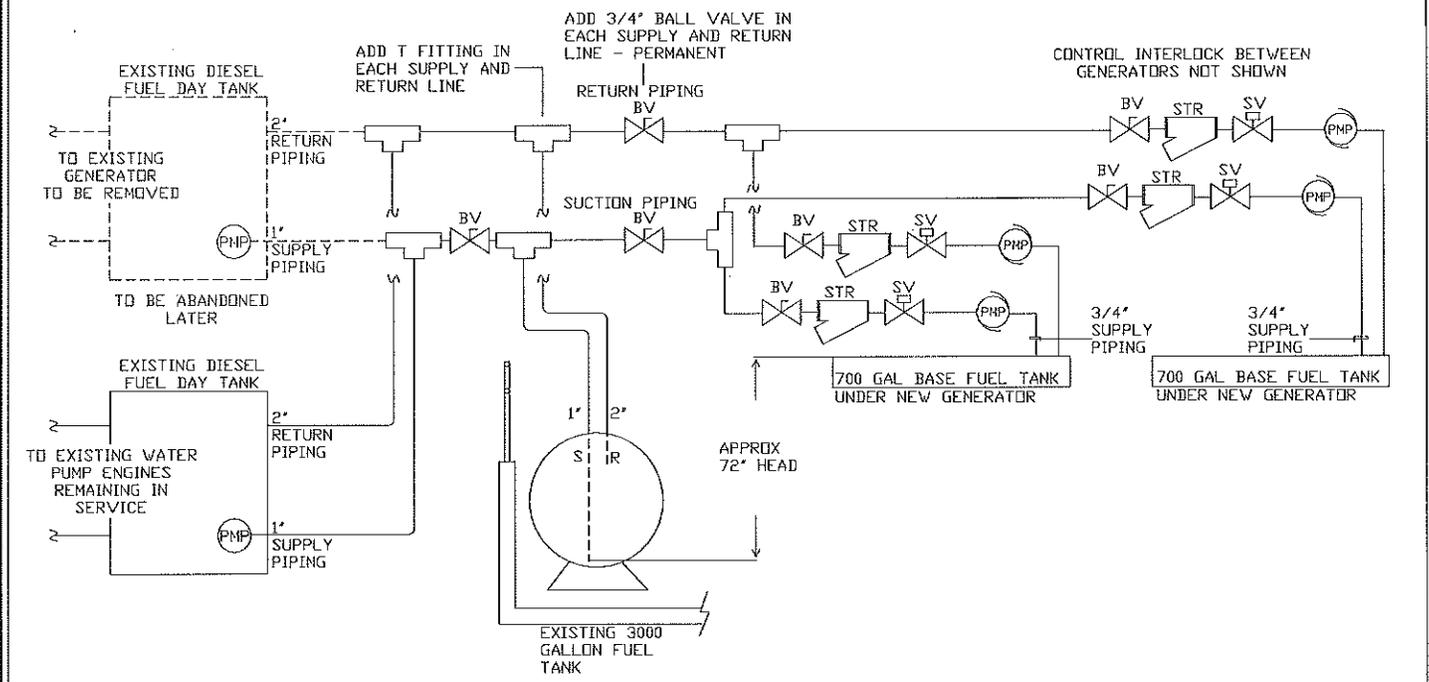
TERMS: NET 10TH PROX

ORIGINAL INVOICE

TOTAL DUE \$239.26

All past due amounts are subject to a service charge of 1.5% per month, or the maximum allowed by law, if lower. If Buyer fails to pay within terms, then in addition to other remedies, Buyer agrees to pay Seller all costs of collection, including reasonable attorney fees. Complete terms and conditions are available upon request or at http://wolseley.com/terms_conditionsSale.html and are incorporated by reference. Seller may convert checks to ACH.

TEMPORARY LOGIC: TO HAVE OLD SYSTEM AND NEW SYSTEM SHARE TANK SUPPLY & RETURN PIPING, ADD T FITTINGS AND (2) VALVES INTO DIESEL FUEL PIPING. MANUALLY SHUT THE LINES TO THE OLD DAY TANK WHEN ANY FILL CYCLE IS CALLED BY THE (2) NEW GENERATOR FUEL PUMPS. AFTER NEW SYSTEM IS COMMISSIONED, OLD SYSTEM VALVES MAY BE OPENED AGAIN



NO.	REVISIONS	APPROVED	DATE	DRAWN BY	CITY OF CALEXICO	SHEET
1	FINALIZED DRAWING		7-22-17	EAB	Generator Project	1
2	AS BUILT DWG		1-13-18	KEY	CALEXICO GENERATOR	OF
				EAB	FUEL SYSTEM MODIFICATIONS	1
<small>UNAUTHORIZED CHANGES & USES: THESE ENGINEERS' PROFESSIONAL SEALS AND SIGNATURES ARE THE PROPERTY OF CENTRAL SYSTEMS ENGINEERING, INC. ANY CHANGES TO THESE PLANS MUST BE APPROVED BY THE PREPARED BY THESE PLANS.</small>					<small>WWW.CENTRALSYSTEMSENGINEERING.COM P.O. BOX 128 MARIETTA, GA 30064 TEL: (993) 696-3689</small>	<small>CITY PROJECT NO.</small>