



Phillips Electric LLC

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ESTIMATE
EST0313

DATE
11/24/2025

TOTAL
USD \$36,230.04

TO

Coalinga Fire Department

300 W. Elm Avenue
Coalinga, CA
93210
gdupuis@coalinga.com

DESCRIPTION	RATE	QTY	AMOUNT
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CFD: Revised Generator Quote	\$14,030.00	1	\$14,030.00
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Generator Electrical System:

- Phillips Electric LLC is furnishing labor and expertise to complete the wiring of the standby generator, automatic transfer switch (ATS), and integration with the existing switchgear at the Coalinga Fire Station.
- Work includes running appropriately sized conduit and conductors to tie the system into the facility's main electrical infrastructure and ensuring full functionality for emergency backup power. All terminations, grounding, and labeling were performed to current NEC standards and city inspection requirements.
- This is an estimate for the coordination of the integration of a caterpillar generator that has been installed at the Coalinga fire dept.
- Work to be done in coordination with PG&E, Caterpillar, Central Valley Air District, City of Coalinga, and the Coalinga Fire Dept.

•Scope of work:

1. Run 4" conduit, flex, and conductors between generator, ATS, and existing switchgear.
2. Coordinate shutdown of existing power system to safely make tie-ins and verify correct phasing and load balance. Also provide generator for stand by power to provide for emergency services at the station.
3. Tap on to utility side bussing and relocate internal breakers sections to

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<p>lower part of switch gear.</p> <p>4. Test and commission the system to ensure proper operation during transfer and retransfer conditions.</p> <p>5. Work closely with city inspectors and facility staff to minimize downtime during connection.</p> <p>•Challenges Encountered - Working with the original aging switchgear presents several obstacles:</p> <p>1. Limited space and outdated layout. Makes routing and terminating new conductors difficult.</p> <p>2. Corrosion and obsolete components require additional cleaning, testing, and adaptation to ensure reliable terminations.</p> <p>3. Lack of updated schematics meant additional troubleshooting and verification of existing circuits before planning integration.</p> <p>4. Safety considerations due to older gear design requires extended lock-out/tag-out procedures and extra coordination to prevent backfeed or accidental energization.</p> <p>5. Custom modifications and field adjustments are necessary to ensure compatibility between the modern ATS controls and legacy switchgear equipment.</p> <p>•Summary</p> <p>Despite the challenges of integrating a modern generator and ATS system into outdated electrical infrastructure, Phillips Electric LLC will successfully complete the integration, testing, and commissioning of the new standby power system. The result is a reliable and fully functional emergency power solution that meets current code standards and provides dependable service to the Coalinga Fire Station.</p> <p>3 Men x 1 Week Electrician@125/HR x 40 apprentice #1 @90/HR x 40 apprentice #2 @90/HR x 40 Labor Cost: \$12,200.00 +15% Overhead: \$1,830.00 Total Labor: \$14,030.00</p>			
<p>Material:</p> <p>8 - 3/4" Rigid Strut Straps</p> <p>50' - 3/4" Rigid Conduit</p> <p>6 - 4" Grounding Bushings</p> <p>24' - 4" LT Flex</p>	\$22,200.04	1	\$22,200.04

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DESCRIPTION	RATE	QTY	AMOUNT
6 - 4" LT Flex Connectors			
15 - 4" Rigid Strut Straps			
50' - 4" Rigid Conduit			
50 - 3/8"x 3-3/4" Wedge Anchors			
2 - 24"x 24"x 12" N3R Junction Boxes			
6 - 4" 90D Flex Elbows			
1 - 4" Myers Hub			
2 - 4" LB's			
500' - #16 TFFN Wire			
85' - #1 THHN Wire			
500' - #350MCM XHHW Alum Wire			
2 - 4"x 8" GRC Nipples			
1 - 4" GRC Elbow			
1 - 4" Threadless Connector			
20' - 12G Deep Strut Slotted			
6 - 350MCM 1HL Lugs			
12' - 3/4" LT Flex			
2 - 3/4" INS LT Connectors			
1 - Roll Herculine			

****NOTE**** \$0.00 1 \$0.00

Should the project exceed one week, all extra hours and/or material will be billed as T&M.

SUBTOTAL	\$36,230.04
TAX (8.975%)	\$0.00
TOTAL	USD \$36,230.04

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Payment terms and conditions: Payment of 10% or \$1000.00, whichever is less, is due upon agreement to this contract. 75% when parts are delivered and 100% is due upon completion. Any added work will be in the form of a change order. Contractor is not responsible for any unforeseen circumstances.

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