

**LA COLINA SUBSTATION UPGRADE PROJECT
BID NO. SUB-875 FOR SUBSTATION POWER
TRANSFORMER; BID NO. SUB-876 FOR 15KV
METALCLAD SWITCHGEAR AND WORK ORDER NO.
2202776 INCREASE IN THE AMOUNT OF \$6,611,000**

Energy Delivery

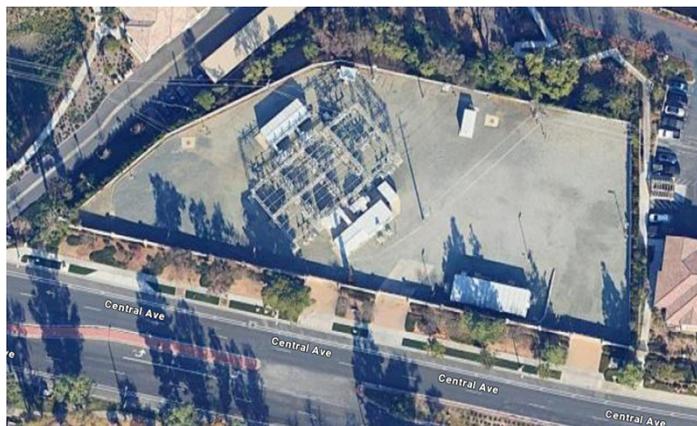
Board of Public Utilities
May 12, 2025

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1

BACKGROUND – LA COLINA SUBSTATION

1. Commissioned in 1965, it includes four 66kV power transformers and four 15kV Metalclad switchgears
2. Experiencing failures over the years due to aging equipment
3. Switchgears and transformers have exceeded their design life and are identified for replacement



2

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2

LA COLINA SUBSTATION – UPGRADE PROJ.

1. Project: Replacement of all four (4) 15kV switchgears and four (4) 66kV power transformers with two (2) higher capacity 66kV power transformers and two (2) 15kV switchgears
2. Purpose: Significantly increase system reliability and efficiency of operation
3. Upgrades planned in stages/phases that include design, procurement and construction
4. Project began in 2022 and is expected to be completed in 2028



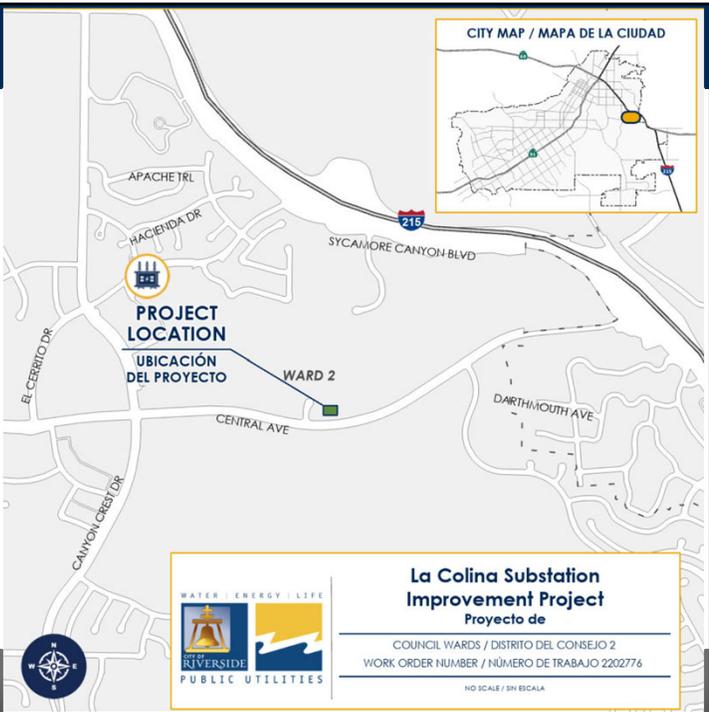
3

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3

PROJECT LOCATION

La Colina Substation and associated work located in Ward 2, off of Central Avenue



4

LA COLINA SUBSTATION EQUIPMENT UPGRADES



Existing transformer and switchgear



Proposed new transformer and switchgear



PROJECT COST

Description of Work	Approvals	Amount
Bid No. 7927: Fabrication/Delivery of Power Transformer No. 1	Board: 11/14/22	\$2,500,000
Bid No. 871: Procurement of 15kV Switchgear No. 1	Board: 6/24/24	\$2,900,000
RFP 2360: Professional Consultant Services Agreement; and RPU Engineering	Board: 12/9/24 City Council: 1/7/25	\$1,680,000
Bid No. 875: Procurement of Power Transformer No. 2 Bid No. 876: Procurement of Switchgear No. 2 RPU Engineering	Proposed on 5/12/25	\$6,611,000
RPU Project Management (Final), Construction, Field Testing, Commissioning and Miscellaneous Material	Anticipated 2026/27	\$7,120,000
Work Order Total		\$20,811,000



DISCUSSION

1. The La Colina Substation Upgrade Project is a comprehensive multi-year project being completed in stages
2. Seeking approval to award 2 bids for Transformer No. 2 and Switchgear No. 2 with associated tasks for \$6,611,000
 - a. Increase Work Order 2202776 from \$7,080,000 to \$13,691,000
3. Total project cost estimate: \$20,811,000
 - a. Includes all stages of the project



7

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7

BID NO. SUB-875 – BID RESULTS

1. RPU requested quotes for **a Power Transformer in response** to Bid No, SUB-875
2. Eight transformer vendors were invited to submit bids. Three submitted bids.

VENDOR	CITY LOCATION	BID AMOUNT	RANKING
WEG Transformers USA	Washington, MO	\$3,124,956.06	1
Prolec-GE Waukesha	Waukesha, WI	\$3,298,197.50	2
Delta Star	San Carlos, CA	\$4,122,767.71	3
Hitachi Energy	Mt. Pleasant, PA	No Bid	N/A
Hyundai	Montgomery, AL	No Bid	N/A
Pennsylvania Transformer	Canonsburg, PA	No Bid	N/A
OTC	Louisville, OH	No Bid	N/A
Niagara Power Transformer	Houston, TX	No Bid	N/A

Engineer's Estimate \$3,200,000

8



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8

BID NO. SUB-876 – BID RESULTS

1. RPU requested quotes for a **15KV Metalclad switchgear** in response to Bid No, SUB-876
2. Five vendors were invited to submit bids. Four submitted bids.

VENDOR	CITY LOCATION	BID AMOUNT	RANKING
Switchgear Power Systems	Winneconne, WI	\$2,254,387.5	1
Avail Switchgear Systems	Fulton, MO	\$2,403,320.63	2
Crown Technical Systems	Fontana, CA	\$2,567,340.62	3
Myers Power Products	Ontario, CA	\$3,205,870.61	4
Advanced Power Technologies	Lafayette, IN	No Bid	N/A

Engineer's Estimate \$2,600,000



WORK ORDER INCREASE

Work Order 2202776 – La Colina Substation Upgrade Project	Amount	
Approved on November 22, 2022		\$2,500,000
Approved on June 24, 2024		\$2,900,000
Approved on December 9, 2024		\$1,680,000
Requested Work Order Increase		
WEG Transformers USA, LLC (Bid no. SUB-875)	\$3,124,956	
Contingency (25% of Consultant Cost)	\$781,149	
Switchgear Power Systems, LLC (Bid no. SUB-876)	\$2,254,388	
Contingency (20% of Consultant Cost)	\$450,787	
Work Order Amount Requested (May 12, 2025)	\$6,611,000	\$6,611,000
Revised Work Order Amount		\$13,691,000



STRATEGIC PLAN ALIGNMENT



Strategic Priority 6 – Infrastructure, Mobility and Connectivity

Goal 6.2 – Maintain, protect, and improve assets and infrastructure within the City’s built environment to ensure and enhance reliability, resiliency, sustainability, and facilitate connectivity.

Cross-Cutting Threads



Community Trust



Equity



Fiscal Responsibility



Innovation



Sustainability & Resiliency



11

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11

RECOMMENDATIONS

That the Board of Public Utilities:

1. Award Bid No. SUB-875 for the procurement of one substation power transformer to WEG Transformers USA, LLC, of Washington, Missouri, in the amount of \$3,124,956;
2. Approve a 25% contingency of \$781,149 for Bid No. SUB-875;
3. Award Bid No. SUB-876 for procurement of one 15KV Metalclad Switchgear to Switchgear Power Systems, LLC, of Winneconne, Wisconsin, in the amount of \$2,254,388;
4. Approve a 20% contingency of \$450,507 for Bid No. SUB-876;



12

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12

RECOMMENDATIONS CONT.

5. Approve an increase to Work Order No. 2202776 in the amount of \$6,611,000, bringing the total Work Order amount from \$7,080,000 to \$13,691,000; and
6. Authorize the City Manager, or designee, to execute any documents necessary to effectuate the procurement described herein, as well as the ability to make minor non-substantive changes in alignment with all purchasing policies.

