



**LA COLINA SUBSTATION UPGRADE PROJECT
RFP NO. 2360 PROFESSIONAL CONSULTANT
SERVICES AGREEMENT — WITH LEIDOS
ENGINEERING, LLC**

Riverside Public Utilities

City Council
January 7, 2025

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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



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BACKGROUND CONT.

La Colina Substation Upgrade Project

1. Replace all four (4) 15kV switchgears and four (4) 66kV power transformers in the station with two (2) higher capacity 66kV power transformers and two (2) 15kV switchgears
2. Increase system reliability and efficiency of operation
3. On November 14, 2022, the Board approved Work Order No. 2202776 for an initial capital expenditure of \$2,500,000
4. The initial capital expenditure included the design, inspection, and fabrication of 66kV Power Transformer No. 1



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BACKGROUND CONT.

La Colina Substation Upgrade Project

5. On June 24, 2024, the Board approved an increase to Work Order No. 2202776 from \$2,500,000 to \$5,400,000.
6. The increase in capital expenditure included the design and fabrication of 15kV Metalclad Switchgear No. 1
7. The June 24 meeting noted that Staff will return to seek the Board's recommendation for the Council to award a professional consultant services agreement



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LA COLINA SUBSTATION



Existing Equipment at La Colina Substation



Proposed New Equipment



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DISCUSSION- LA COLINA

1. The La Colina Substation Upgrade Project is a comprehensive multi-year construction project
2. Staff is seeking approval to increase Work Order 2202776 from \$5,400,000 to \$7,080,000 to cover the costs of design consulting services and initial engineering costs for RPU staff in the amount of \$1,680,000
3. The estimated total project cost is \$20,500,000

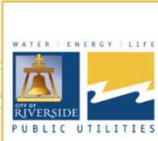
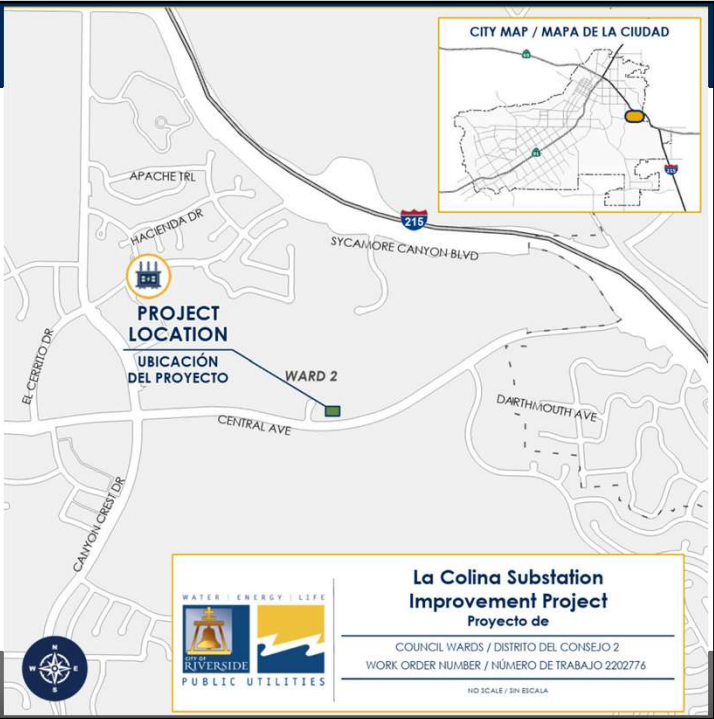


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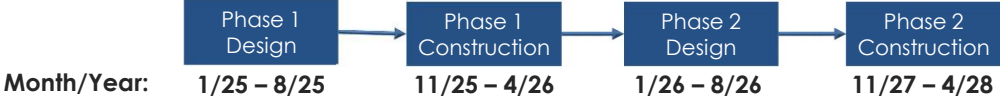
PROJECT LOCATION

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

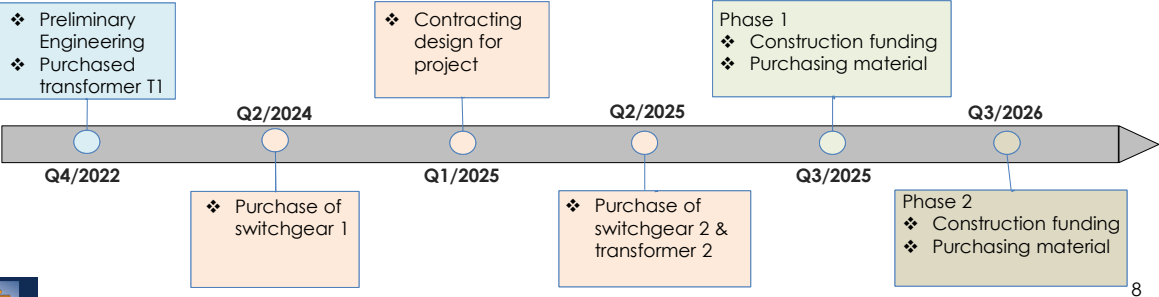


PROJECT MILESTONES 3 YEARS

Projected Schedule



Board Approvals



PROJECT COST

DESCRIPTION OF WORK	FISCAL YEAR	AMOUNT (\$)
Bid No. 7927: Fabrication/Delivery of Power Transformer No. 1	Board approval on 11/14/22	\$2,500,000
Bid No. 871: Procurement of 15kV Switchgear No. 1	Board approval on 6/24/24	\$2,900,000
RFP 2360: Professional Consultant Services Agreement; and RPU Engineering (initial Services)	Board approval on 12/9/24	\$1,680,000
Procurement of Power Transformer No. 2	Anticipated 2025	\$6,660,000
Procurement of Switchgear No. 2		
Miscellaneous Material		
RPU Engineering (final), Construction (phase 1 & 2), Field Testing, Commissioning and Miscellaneous Material	Anticipated 2025/2026 2026/2027	\$6,760,000
Work Order Total		\$20,500,000



WORK ORDER

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	
Leidos Engineering, LLC	\$1,292,028
Contingency (15% of Consultant Cost)	\$193,804
RPU Staff – Project Management and Engineering	\$194,168
Work Order Amount Approved on (December 9, 2024)	\$1,680,000
Revised Work Order Amount	\$7,080,000



DISCUSSION CONT.

1. July 15, 2024, Request for Proposal (RFP) No. 2360 was posted on the City's online bid system
2. July 22, 2024, Virtual Pre-Bid meeting was conducted
3. 44 participants were in attendances from consultant firms, equipment manufacturers, and subcontractors
4. August 19, 2024, RFP closed with seven total responses



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DISCUSSION CONT.

RFP No. 2360 Bidding Notification Summary Table

Action	Number of Vendors
Vendors Notified	1343
Vendors Who Downloaded the RFP	101
Questions and Answers Received	33
Addenda Submitted	3
Proposals Received	7



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DISCUSSION CONT.

Evaluation Results Table

Selection Criteria	Max Score	Leidos Engineering, LLC	PAR Western Line Contractors	TRC Solutions	EPS- Engineering & Design	Aubrey Silvey Enterprises, Inc	Power-Tech Engineers, Inc	The Engineering Partners, Inc
Qualifications and Experience	300	285	200	270	250	215	210	215
Approach and Methodology	300	285	205	265	255	200	230	220
Professional References	150	145	110	122.5	122.5	95	112.5	102.5
Cost Score	250	102.95	250	99.32	121.08	136.74	77.05	56.95
Total Score	1000	817.95	765	756.82	748.58	646.74	629.55	594.45
Rank		1	2	3	4	5	6	7



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DISCUSSION CONT.

Evaluation Results Table

Consultant Company	City Location	Proposal Amount	Rank
Leidos Engineering, LLC	Reston, VA	\$1,292,028.00	1
PAR Western Line Contractors, LLC	Kansas City, MO	\$532,060.94	2
TRC Solutions	Irvine, CA	\$1,339,312.12	3
EPS – Engineering & Design	St. Louis, MO	\$1,098,550.00	4
Aubrey Silvey Enterprises, Inc.	Carrollton, GA	\$972,787.00	5
Power-Tech Engineers, Inc.	Walnut, CA	\$1,726,420.00	6
The Engineering Partners, Inc.	San Diego, CA	\$2,335,725.00	7

Engineer's Estimate

\$1,500,000.00



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SCOPE OF WORK

Consultant's work includes:

1. Substation Physical and civil structural design
2. Protection and control design
3. Construction support and As-builts
4. Standards development for Switchgear and Transformer



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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



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RECOMMENDATIONS

That the City Council:

1. Approve a Professional Consultant Services Agreement for Request for Proposal No. 2360 for the La Colina Substation Upgrade Project with Leidos Engineering, LLC, of Reston, Virginia, for a term of 3.5 years from date specified in the Notice to Proceed once issued by City, in the amount of \$1,292,028;
2. Authorize a 15%, of \$193,804, change order authority for the contract with Leidos Engineering, LLC, for the Request for Proposal No. 2360 La Colina Substation Upgrade Project; and



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RECOMMENDATIONS CONT.

3. Authorize the City Manager, or his designee, to execute the Professional Consultant Service Agreement with Leidos Engineering, LLC, including making minor and non-substantive changes.



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