

**LA COLINA SUBSTATION UPGRADE PROJECT
RFP NO. 2360 PROFESSIONAL CONSULTANT
SERVICES AGREEMENT — WITH LEIDOS
ENGINEERING, LLC, WORK ORDER NO. 2202776
INCREASE IN THE AMOUNT OF \$1,680,000**

Energy Delivery

Board of Public Utilities
December 9, 2024

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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. 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. Significantly increases system reliability and efficiency of operation
3. November 14, 2022: Board approved Work Order No. 2202776 for an initial capital expenditure of \$2,500,000
4. 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. June 24, 2024, the Board approved an increase to Work Order No. 2202776 from \$2,500,000 to \$5,400,000
6. Included the design and fabrication of 15kV Metalclad Switchgear No. 1
7. Noted that Staff would return to seek the Board's recommendation for the City Council to approve a professional consultant services agreement



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LA COLINA



Existing transformer and switchgear



Proposed new transformer and switchgear



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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 LOCATION
UBICACIÓN DEL PROYECTO

WARD 2

La Colina Substation Improvement Project
Proyecto de

COUNCIL WARDS / DISTRITO DEL CONSEJO 2
WORK ORDER NUMBER / NÚMERO DE TRABAJO 2202776

NO SCALE / SIN ESCALA

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PROJECT MILESTONES 3 YEARS

Projected Schedule

	Phase 1 Design	Phase 1 Construction	Phase 2 Design	Phase 2 Construction
Month/Year:	1/25 – 8/25	11/25 – 4/26	1/26 – 8/26	11/27 – 4/28

Board Approvals

<ul style="list-style-type: none"> ❖ Preliminary Engineering ❖ Purchased transformer T1 	<ul style="list-style-type: none"> ❖ Contracting design for project 	<ul style="list-style-type: none"> Phase 1 ❖ Construction funding ❖ Purchasing material 	<ul style="list-style-type: none"> Phase 2 ❖ Construction funding ❖ Purchasing material
Q4/2022	Q2/2024	Q1/2025	Q3/2025
	<ul style="list-style-type: none"> ❖ Purchase of switchgear 1 	<ul style="list-style-type: none"> ❖ Purchase of switchgear 2 & transformer 2 	Q3/2026

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PROJECT COST		
DESCRIPTION OF WORK	FISCAL YEAR	AMOUNT (\$)
Bid No. 7927: Fabrication/Delivery of Power Transformer No. 1	Approved by Board on 11/14/2022	\$2,500,000
Bid No. 871: Procurement of 15kV Switchgear No. 1	Approved by Board on 6/24/2024	\$2,900,000
RFP 2360: Professional Consultant Services Agreement; and RPU Engineering (Initial Services)	Proposed on 12/9/24	\$1,680,000
Procurement of Power Transformer No. 2	Anticipated 2024/2025	\$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



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



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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



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



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
<i>Engineer's Estimate</i>		<i>\$1,500,000.00</i>	


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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 Board of Public Utilities:

1. Approve an increase to Work Order No. 2202776 in the amount of \$1,680,000, bringing the total Work Order amount from \$5,400,000 to \$7,080,000;

That the Board of Public Utilities recommend that the City Council:

2. Approve a Professional Consultant Services Agreement for Request for Proposal No. 2360 for 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 a not-to-exceed amount of \$1,292,028, with the option to extend for one additional two-year term;



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RECOMMENDATIONS CONT.

That the Board of Public Utilities recommend that the City Council:

3. Authorize a 15%, or \$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
4. Authorize the City Manager, or designee, to execute the Professional Consultant Services Agreement with Leidos Engineering, LLC, including making minor and non-substantive changes.



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