

HUNTER SUBSTATION REPLACEMENT PROJECT RFP NO. 1850 DESIGN-BUILD AGREEMENT – WITH AUBREY SILVEY ENTERPRISE INC., WORK ORDER NO. 2420403 IN THE AMOUNT OF \$62,327,000

Riverside Public Utilities – Energy Delivery

Board of Public Utilities

April 08, 2024

RiversideCA.gov

Ne
2 RiversideCA.gov

BACKGROUND CONT.

- 1. Staff conducted research on potential sites for a new replacement substation
- 2. Identified adjacent property to Hunter Substation as the most suitable
- 3. February 12, 2018, Board of Public Utilities recommended land purchase
- 4. February 27, 2018, City Council unanimously approved the purchase of 1.38 acres



3

RiversideCA.gov

ŔĨŸer.

3

BACKGROUND CONT. 5. January 14, 2019, the Board of Public Utilities approved Work Order No. 1826767 in the amount of \$2,000,000 to develop the preliminary design, prepare California Environmental Quality Act (CEQA) documents 6. March 9, 2021, the City Council unanimously adopted a Mitigated Negative Declaration (MND) and Mitigation Monitoring and Reporting Program (MMRP), and approved the Hunter Substation Replacement Project 7. August 28, 2023, the Board recommend that the City Council conduct a public hearing and adopt a Resolution approving the electric utility five-year rate plan proposal for FY 2023/2024 - 2027/2028 8. September 19, 2023, City Council adopted a Resolution to set electric rates, which includes Capital Improvement Plan budgets FY 2023/2024 – 2027/2028 9. Electric Five-Year Plan's proposed projects such as the Hunter Substation Replacement, will be funded by carryovers and Substation Project Category from the 2023 5-Year Rate Plan 10. No additional capital improvement funds were identified in the 5-year Electric Rate plan 4 **RiversideCA.gov** RIVERSIC Δ

DISCUSSION

- 1. A design-build project where the selected vendor will be responsible for the design, procurement, construction of the new substation and demolition of the existing substation
- 2. During construction, the existing substation will remain in service
- 3. After the cutover to the new substation, the existing substation will be demolished
- 4. The new substation will be built as a lowprofile breaker and half substation to improve seismic, reliability and maintenance



RiversideCA.gov

DISCUSSION CONT.

- 5. The new substation will have an added capacity to serve future loads and improve efficiency to handle loss of transformer scenarios
- 6. New substation will have additional capacity to serve load growth and new developments in the Northside Specific Plan and surrounding areas
- 7. The expected design life of the new substation is 50 years

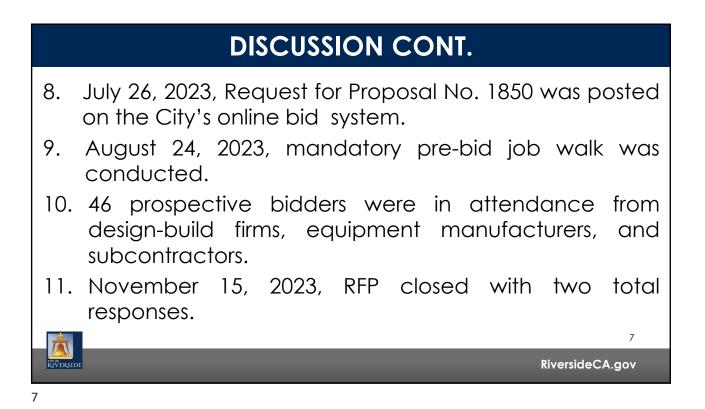
RiversideCA.gov

6

6

RIVERSID

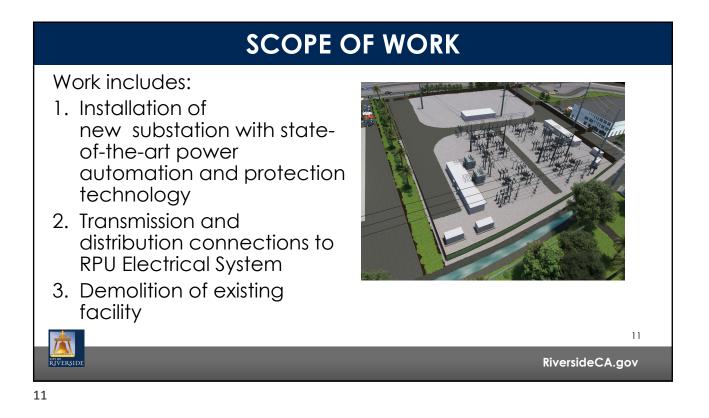
IVER SIT

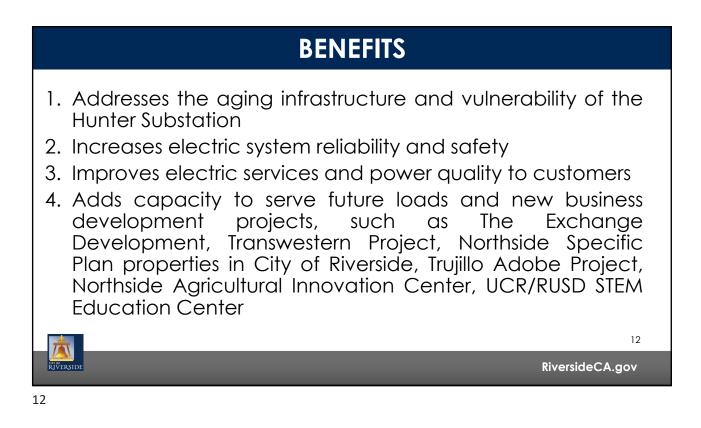


DISCUSSION	CONT.	
RFP No. 1850 Bidding Notification S	ummary Table	
Action	Number of Vendors	
Vendors Notified	1346	
Vendors Who Downloaded the RFP (include manufactures and sub-contractors)	112	
Questions and Answers Received	65	
Addenda Submitted	8	
Proposals Received	2	
		8
RIVERSIDE	Riversid	eCA.gov

Evaluation Results Table				
Selection Criteria		Max Score	Aubrey Silvey Enterprise Inc.	Energy Services West, LLC
Business History and Performa	ince	150	123.75	116.25
Design and Management O of Key Personnel	utline, Qualificati	on 150	118.13	128.63
Technical Proposal & Equi Warranty Service Proposal, Proposal			212.25	266.25
Cost Scores		400	400	322.25
Total Score		1000	854.13	833.38
Rank			1	2
Design-Build Entity	City Location	Proposal Amou	nt Rank	
Aubrey Silvey Enterprise Inc.	Bremen, GA	\$54,434,074.23	1	
Energy Services West, LLC	Spokane Valley, WA	\$67,567,455.67	2	
Engineer's Estimate		\$59,000,000		







Work Type	Performed By:	Amount (\$)	Percent of Total
Design-Build Services per RFP No. 1850	Aubrey Silvey Enterprise Inc.	\$54,434,075	87.3%
Inspection Services during Construction	Consultant Panel/Others (at later time)	\$550,000	0.9%
Drafting Services Utilizing Intelligent Software	Consultant Panel/Others (at later time)	\$700,000	1.1%
Project Management and Engineering	RPU - Engineering Labor	\$299,518	0.5%
Inspection, Factory Testing, Field Testing and Commissioning	RPU - Crews Labor	\$500,000	0.8%
Material for 15 kV Distribution Conductors	RPU - Central Store Materials	\$400,000	0.6%
Contract Contingency (10%)	Aubrey Silvey Enterprise	\$5,443,407	8.7%
Work Order Total:		\$62,327,000	100%
Reimbursements			None
Anticipated Start Date:			July 2024
Anticipated Duration:		40 months (January 2028)
			13

FISCAL IMPACT

The total project fiscal impact is \$62,327,000. Budget transfers are required from the listed below Public Utilities' Electrical Capital accounts to the Public Utilities' Hunter Substation Replacement Capital Account No. 6130100-470699.

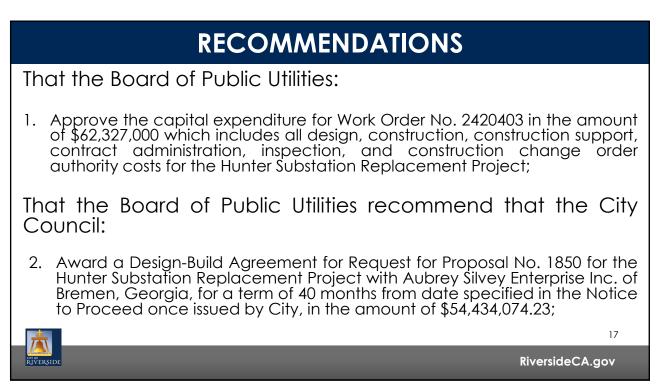
14

RiversideCA.gov

A KIVERSIDI

Project Category	Transfer From Capital Account	To New Hunter Substation Account	Budget Transfer Amount (\$)
Recurring	6130000 470601 – Distribution Line Extensions	6130100-470699	\$1,105,000
Recurring	6130000 470603 – Line Rebuilds	6130100-470699	\$850,000
Recurring	6130000 470620 – Major Transmission Line	6130100-470699	\$527,000
Recurring	6130000 470633 – Major Feeders	6130100-470699	\$880,000
Recurring	6130000 470657 – Biogas to Energy	6130100-470699	\$6,900,000
Recurring	6130000 470672 – SCADA	6130100-470699	\$2,250,000
Overhead	6130100 470623 – GO 165 Upgrades	6130100-470699	\$5,850,000
Overhead	6130100 470644 – 4/12 kV Conversions	6130100-470699	\$9,200,000
Overhead	6130100 470638 – Neighborhood Street Lights	6130100-470699	\$765,000
Underground	6130100 470603 – Line Rebuilds	6130100-470699	\$3,940,000
Underground	6130100 470624 – GO 165 Upgrades	6130100-470699	\$6,540,000
Underground	6130100 470635 – Cable Replacement	6130100-470699	\$12,870,000
Substation	6130100 470608 – System Substation Modifications	6130100-470699	\$340,000
Substation	6130100 470616 – Substation Bus and Upgrades	6130100-470699	\$1,170,000
Substation	6130100 470632 – Substation Transformer	6130100-470699	\$9,140,000
	New Hunter Substation Account Total:		\$62,327,000





RECOMMENDATIONS CONT.

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

- 3. Authorize a 10%, or \$5,443,407, change order authority for the contract with Aubrey Silvey Enterprise Inc., for Request for Proposal No. 1850 Hunter Substation Replacement Project;
- 4. Authorize a budget transfer of \$12,512,000 from Public Utilities' Electric Recurring projects, \$15,815,000 from Public Utilities' Electric Overhead projects, \$23,350,000 from Public Utilities' Electric Underground projects, and \$10,650,000 from Public Utilities' Electric Substation Account No. 6130000-470601 to Public Utilities' Hunter Substation Replacement Account No. 6130100-470699; and
- 5. Authorize the City Manager, or his designee, to execute any documents necessary to effectuate the contract described herein, as well as the ability to make minor and non-substantive changes in alignment with all purchasing policies.

RiversideCA.gov

^miverside