

**Riverside Public Utilities  
Open Capital Work Order Summary Report - Electric Fund  
September-23**

Project / Subproject or WO	Project Description	Board Approval Date	Board Approved Estimate <sup>(1)</sup>	Project Estimate <sup>(2)</sup>	Year to Date	Life to Date	Available Balance	Last Activity Date	Job Status (Based on Proj. Est.)		Project Status
					Total	Total			% Spent	% Completed	
					as of 9/30/2023	as of 9/30/2023					

**Open Work Orders/Projects with Budgeted or Actual expenditures > \$200,000**

**OVERHEAD**

1503112	Plaza substation - Circuit 450	01/28/19	2,174,000	2,174,000	188	2,103,686	70,314	07/06/23	97%	95%	Pending cutover and as-builts
1904777	Plaza Substation 4kV to 12kV	12/22/20	4,450,000	4,450,000	59,221	1,232,334	3,217,666	09/22/23	28%	35%	In construction.
<b>Subtotal of OVERHEAD</b>				<b>6,624,000</b>	<b>59,409</b>	<b>3,336,020</b>	<b>3,287,980</b>				

**UNDERGROUND**

1619972	Canyon Crest Cable Replacement Area 1F, Phase 3 Project	06/25/21	1,300,000	1,300,000	-	1,439,874	(139,874)	09/16/22	111%	95%	Construction complete. Pending as-builts.
2009293	Switch Cable Replacement Project Phase I	07/26/21	705,000	705,000	(16,962)	324,719	380,281	09/22/23	46%	85%	In construction.
1904200	Canyon Crest Cable Replacement Area 5 Project	05/09/22	2,115,000	2,115,000	-	1,946,756	168,244	06/16/23	92%	50%	Construction complete. Pending as-builts.
1910967	Gibraltar Drive Cable Replacement Project	08/08/22	509,000	509,000	-	500,030	8,970	05/18/23	98%	95%	Construction complete. Pending as-builts.
<b>Subtotal of UNDERGROUND</b>				<b>4,629,000</b>	<b>(16,962)</b>	<b>4,211,379</b>	<b>417,621</b>				

**SUBSTATION**

1816163	Substation Automation Upgrade Project	02/26/18	2,027,679	2,027,679	5,361	1,832,320	195,359	07/27/23	90%	90%	Construction complete. Pending as-builts.
1826061	Riverside power plants Arc Flash Mitigation	06/11/18	497,000	497,000	-	63,408	433,592	06/10/20	13%	15%	In design.
1826767	Hunter Substation Replacement Project	01/14/19	2,000,000	2,000,000	319	1,290,986	709,014	08/27/23	65%	70%	Submitted RFP to Purchasing for EPC contract
1810532	Freeman Switchgear and Transformer Upgrade	11/05/18	5,463,000	5,463,000	-	5,106,934	356,067	03/31/22	93%	95%	Completed pending as-builts and updating standards.
1906356	Multi Substation - 69kV Circuit Breakers Replacement	09/23/19	6,500,000	6,500,000	76,429	5,637,842	862,158	09/20/23	87%	85%	In implementation phase.
1910518	Substation Protection Support for Multiple Substations, with Stantec Consulting Services Inc.	11/25/19	480,000	480,000	-	206,813	273,187	03/30/23	43%	95%	In implementation phase.
2123497	Rohr Substation protection system upgrade project	09/13/21	485,000	485,000	32,875	175,074	485,000	08/29/23	36%	30%	On hold.
2202600	Teleprotection Substation Infrastructure Upgrade Project	12/13/21	544,378	544,378	-	454,986	89,392	08/15/22	84%	80%	In implementation phase.
2219619	University Substation Transformer Replacement	11/14/22	1,995,000	1,995,000	19,444	43,330	1,951,670	09/14/23	0%	5%	In implementation phase.
2202776	La Colina Substation Improvement Project	11/14/22	2,500,000	2,500,000	-	-	2,500,000	-	0%	5%	In implementation phase.
2302559	Harvey Lynn Switchgear Upgrade Project	01/23/23	383,000	383,000	83,948	254,157	128,843	09/14/23	66%	55%	In implementation phase.
2312723	Plaza Substation Switchgear and Bus Differential Upgrade Project	04/10/23	275,000	275,000	4,277	99,277	175,723	07/20/23	0%	30%	In implementation phase.
2311326	Emergency Turbine Repairs at RERC Unit 1	08/14/23	2,560,501	2,560,501	-	2,560,501	-	06/29/23	100%	100%	Completed.
<b>Subtotal of SUBSTATION</b>				<b>25,710,558</b>	<b>222,653</b>	<b>17,725,628</b>	<b>8,160,004</b>				

**RECURRING/OBLIGATION TO SERVE**

1423748	Freeman Substation to Orangecrest Substation	10/22/18	1,265,000	1,265,000	-	1,163,087	101,913	01/19/23	92%	95%	Completed.
1611216	Citywide Streetlight L.E.D. Conversion	07/25/16	1,150,000	1,150,000	-	984,027	165,973	05/01/23	86%	95%	Pending final invoices.
1711020	Fiber Management System and Professional Services Project	08/26/19	650,000	650,000	-	522,295	127,705	12/22/22	80%	75%	In Construction - Data Migration and training completed. Data needs to be validated by engineering and IT GIS group.

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									% Spent	% Completed	
1722321	Norte Vista Sidewalk Improvements Project	02/12/18	888,000	888,000	-	746,113	141,887	03/17/22	84%	95%	Completed, pending as-builts.
1917203	Auto Center Reliability Project	04/22/19	250,000	250,000	-	333,930	(83,930)	03/31/21	134%	90%	Reclosers installed. Pending communications work.
2115405	Reliability Improvement and Fuse Coordination Project (Circuit	5/10/2021	460,000	460,000	-	12,183	447,817	04/13/21	3%	1%	On hold.
1926828	Streetlight Installation Component of Public Works	9/13/2021	347,000	347,000	-	324,543	22,457	03/16/23	94%	95%	Completed, pending closure.
2019648	Spring Circuit Reliability Project - Phase 1	8/26/2023	3,587,000	3,587,000	605	605				10%	In construction.
<b>Subtotal of RECURRING/OBLIGATION TO SERVE</b>				<b>8,597,000</b>	<b>605</b>	<b>4,086,782</b>	<b>923,823</b>				
<b>System Automation</b>											
1707248	Advanced Metering Infrastructure - Electric	06/12/17	11,180,991	11,180,991	116,037	10,942,790	238,201	09/20/23	98%	85%	Full deployment underway. Only remaining work is meter installs.
1911437	Citywide Geographic Information System Tech. Upgrade Project	12/10/18	1,206,521	480,000	-	-	480,000	11/07/18	1%	1%	Board approval 12/10/18.
1916742	Phase 1 LED Conversion	06/24/19	8,560,000	8,872,572	-	6,832,123	2,040,449	06/08/23	77%	95%	In construction.
1718078	Streetlight Replacement Project- Phase 3	07/22/19	1,849,000	1,849,000	83,184	1,918,690	(69,690)	09/20/23	104%	95%	Completed. Pending final billings.
1904073	Streetlight Replacement Project- Phase 4	09/12/22	5,600,000	5,600,000	473,863	2,070,371	3,529,629	09/22/23	37%	50%	In construction.
2208782	Land mobile radio infrastructure upgrade project	03/14/22	2,349,719	2,349,719	-	1,934,544	415,175	04/02/23	0%	0%	In design
2205440	SCADA Upgrade Project	08/22/22	2,287,567	1,335,961	-	303,120	1,032,841	02/02/23	0%	0%	Pending start date.
<b>Subtotal of SYSTEM AUTOMATION</b>				<b>31,668,243</b>	<b>673,084</b>	<b>24,001,637</b>	<b>7,666,606</b>				
<b>OTHER PROJECT</b>											
1104202	CIS Replacement	06/01/12	9,200,000	8,859,000	-	8,898,776	(39,776)	06/24/19	100%	95%	In implementation phase (in progress).
2119615	Underground conduit installation (Phase I)	05/10/21	669,000	669,000	-	536,638	132,362	02/02/23	80%	95%	Completed, pending closure.
<b>Subtotal of OTHER PROJECT</b>				<b>9,528,000</b>	<b>-</b>	<b>9,435,413</b>	<b>92,587</b>				
<b>RTRP</b>											
050009/01	Riverside Transmission Reliability Project (RTRP) (3)	01/20/06	216,515,521	214,105,921	69,332	63,873,491	150,232,430	09/14/23	30%	20%	Phase I construction (69kV) in progress, remaining project pieces in Planning and Design stages.
<b>Subtotal of RTRP</b>				<b>214,105,921</b>	<b>69,332</b>	<b>63,873,491</b>	<b>150,232,430</b>				
<b>GRAND TOTAL ELECTRIC FUND - Open Work Orders</b>				<b>300,862,722</b>	<b>1,008,121</b>	<b>126,670,351</b>	<b>170,781,050</b>				

**Notes:**

(1) Board approved estimate is the total approved amount of the work order which can include operating & maintenance costs as well as combined Electric & Water projects.

(2) Project estimate reflects Electric capital portion only.

(3) Work includes WO 642975, Subwo's 2001119, 2006768, 2016660, 2026813, 2105854, 2111094, 2117630, 2224311, 2311468.

Board Memo 08-24-20 WO 642975 increase of \$ 144,910,000, approved by Council 2021, for a total of 216,515,521.

Board Approval 08-26-19 WO 2001119, estimate of \$ 676,850

Board Approval 11-25-19 WO 2006768, estimate of \$ 4,109,600

Board Approval 01-27-20 WO 2016660, estimate of \$1,409,904

Board Approval 06-08-20 WO 2026813, estimate of \$ 840,400

Board Approval 10-26-20 WO 2105854, estimate of \$ 10,737,000

Board Approval 02-22-21 WO 2111094, estimate of \$ 693,739

Board Approval 05-10-21 WO 2117630, estimate of \$ 995,016.

Board Approval 08-22-22 WO 2224311, estimate of \$ 1,500,026

Board Approval 02-27-23 WO 2311468, estimate of \$ 483,000

Board Approval 04-10-23 WO 2313132, estimate of \$ 236,000