

**Riverside Public Utilities**  
**Open Capital Work Order Summary Report - Electric Fund**  
**December-24**

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		Project Status
					Total	Total			(Based on Proj. Est.)		
					as of 12/31/2024	as of 12/31/2024			% Spent	% Completed	

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	13,331	2,171,608	2,392	12/31/24	100%	100%	Completed, pending closure.
1904777	Plaza Substation 4kV to 12kV	12/22/20	4,450,000	4,450,000	175,955	2,008,172	2,441,828	09/28/24	45%	40%	In construction.
2222112	Plaza Substation - Circuit 443 and 460	07/08/24	3,480,000	3,480,000	2,656	231,649	3,248,351	07/18/24	7%	35%	In planning
<b>Subtotal of OVERHEAD</b>				<b>10,104,000</b>	<b>191,943</b>	<b>4,411,429</b>	<b>5,692,571</b>				

**UNDERGROUND**

1619972	Canyon Crest Cable Replacement Area 1F, Phase 3 Project	06/25/21	1,300,000	1,300,000	-	1,354,495	(54,495)	09/16/22	104%	95%	Completed, pending as-builts.
2009293	Switch Cable Replacement Project Phase I	07/26/21	705,000	705,000	9,927	495,078	209,922	12/19/24	70%	90%	Completed, pending as-builts.
2201057	Circuit 1502 Switch Cable Replacement	07/08/24	1,795,000	1,795,000	343,594	516,927	1,278,073	12/19/24	29%	40%	In design.
2318306	PILC Cable Replacement	11/18/24	2,800,000	2,800,000	10,429	95,933	2,704,067	12/19/24	3%	10%	In design.
<b>Subtotal of UNDERGROUND</b>				<b>6,600,000</b>	<b>363,951</b>	<b>2,462,433</b>	<b>4,137,567</b>				

**SUBSTATION**

1816163	Substation Automation Upgrade Project	02/26/18	2,027,679	2,027,679	-	1,899,767	127,912	03/28/24	94%	90%	In Construction. Pending RERC generation site
1826061	Riverside power plants Arc Flash Mitigation	06/11/18	497,000	497,000	-	63,408	433,592	06/10/20	13%	25%	RERC - In implementation phase. Springs - In design.
1826767	Hunter Substation Replacement Project	01/14/19	2,000,000	2,000,000	723	1,303,927	696,073	10/09/24	65%	70%	In implementation phase.
1906356	Multi Substation - 69kV Circuit Breakers Replacement	09/23/19	7,200,000	7,200,000	79,012	6,219,628	980,372	12/19/24	86%	90%	In implementation phase.
2123497	Rohr Substation protection system upgrade project	09/13/21	485,000	485,000	-	199,013	485,000	08/29/23	41%	40%	Design complete. Pending coordination.
2202600	Teleprotection Substation Infrastructure Upgrade Project	12/13/21	544,378	544,378	-	454,986	89,392	08/15/22	84%	90%	In construction.
2219619	University Substation Transformer Replacement	11/14/22	1,995,000	1,995,000	51,101	1,598,372	396,628	12/18/24	80%	99%	Completed, pending closure.
2202776	La Colina Substation Improvement Project	11/14/22	5,400,000	7,080,000	1,752,098	1,757,165	5,322,835	12/19/24	25%	20%	In design.
2312723	Plaza Substation Switchgear and Bus Differential Upgrade Project	04/10/23	275,000	275,000	6,294	194,684	80,316	07/18/24	71%	95%	Completed, pending as-builts.
2311326	Emergency Turbine Repairs at RERC Unit 1	08/14/23	2,560,501	2,560,501	-	2,560,501	(0)	06/29/23	100%	99%	Completed, pending closure.
2323918	Harvey Lynn Substation Switchgear 5 Upgrade project	09/25/23	260,000	260,000	-	33,510	226,490	03/27/24	13%	5%	In design
2402369	Orangetrest Switchgear 1 and 2 Upgrade project	11/13/23	979,000	979,000	349,802	497,258	481,742	12/19/24	51%	30%	Phase 1: In construction. Phase 2: In design.
2420403	Hunter Substation Replacement Project	04/08/24	62,327,000	62,327,000	5,346,607	7,618,735	54,708,265	11/18/24	12%	5%	In design and procurement.
2429762	SPRINGS Emission Monitoring System Upgrade	09/23/24	703,166	703,166	54,105	54,105	649,061	-	8%	0%	In planning.
2505220	Springs Inlet Guide Vane Upgrades	11/18/24	884,525	884,525	-	-	884,525	-	0%	0%	In planning.
<b>Subtotal of SUBSTATION</b>				<b>89,818,249</b>	<b>7,639,741</b>	<b>24,455,062</b>	<b>65,562,201</b>				

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					Total as of 12/31/2024	Total as of 12/31/2024			% Spent	% Completed	
RECURRING/OBLIGATION TO SERVE											
1611216	Citywide Streetlight L.E.D. Conversion	07/25/16	1,150,000	1,150,000	-	985,592	164,408	05/01/23	86%	99%	Completed, pending closure.
1711020	Fiber Management System and Professional Services Project	08/26/19	650,000	650,000	-	532,230	117,770	12/22/22	82%	75%	In Construction - Data Migration and training completed. Data needs to be validated by engineering and IT GIS group.
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 1	05/10/21	460,000	460,000	293,313	461,385	(1,385)	12/19/24	100%	57%	In construction.
2019648	Spring Circuit Reliability Project - Phase 1	08/26/23	3,587,000	3,587,000	997,420	3,190,845	396,155	12/07/24	89%	60%	In construction.
2224356	Orangecrest Substation Fiber Optic Cable Upgrade project	11/13/23	649,000	649,000	49,445	132,261	516,739	10/10/24	20%	10%	Design complete. In procurement
2311805	Standby Generation Replacement	11/18/24	271,000	271,000	-	1,198	269,802	-	0%	0%	Not started.
Subtotal of RECURRING/OBLIGATION TO SERVE				7,017,000	1,340,178	5,637,442	1,379,558				
SYSTEM AUTOMATION											
1707248	Advanced Metering Infrastructure - Electric	06/12/17	11,180,991	11,180,991	-	11,858,700	(677,709)	09/20/23	106%	85%	Full deployment underway. Only remaining work is meter installs.
1916742	Phase 1 LED Conversion	06/24/19	8,560,000	8,872,572	10,032	6,864,971	2,007,601	09/25/24	77%	99%	Completed, pending closure.
1718078	Streetlight Replacement Project- Phase 3	07/22/19	1,849,000	1,849,000	-	1,929,185	(80,185)	09/20/23	104%	99%	Completed, pending closure.
1904073	Streetlight Replacement Project- Phase 4	09/12/22	5,600,000	5,600,000	-	5,184,146	415,854	09/12/24	93%	99%	Completed, pending closure.
2205440	SCADA Upgrade Project	08/22/22	2,287,567	1,335,961	329,212	632,331	703,630	11/19/24	47%	80%	In construction.
2427164	SCADA Ancilliary Networking Infrastructure	08/12/24	1,157,598	1,157,598	306,841	306,841	850,757	11/19/24	27%	90%	In construction.
2508277	AMI Electric Meter Replacement	12/19/24	25,250,000	25,250,000	-	-	25,250,000	-	0%	0%	Not started.
Subtotal of SYSTEM AUTOMATION				55,246,122	646,084	26,776,173	28,469,949				
OTHER PROJECT											
1104202	CIS Replacement	06/01/12	9,200,000	8,859,000	22,090	8,943,205	(84,205)	10/24/24	101%	95%	In implementation phase (in progress).
Subtotal of OTHER PROJECT				8,859,000	22,090	8,943,205	(84,205)				
RTRP											
050009/01	Riverside Transmission Reliability Project (RTRP) (3)	01/20/06	216,515,521	214,105,921	1,541,481	68,247,659	145,858,262	12/23/24	32%	20%	Phase I construction (69kV) completed.
Subtotal of RTRP				214,105,921	1,541,481	68,247,659	145,858,262				
GRAND TOTAL ELECTRIC FUND - Open Work Orders				391,750,292	11,745,469	140,933,403	251,015,903				

**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, 2311468,2313132.

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

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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