

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

Project / Subproject or WO	Project Description	Board Approval Date	Board Approved Estimate ⁽¹⁾	Project Estimate ⁽²⁾	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 9/30/2024	as of 9/30/2024					
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	133	2,181,513	(7,513)	07/18/24	100%	95%	Completed, pending closure.
1904777	Plaza Substation 4kV to 12kV	12/22/20	4,450,000	4,450,000	93,192	1,933,664	2,516,336	09/28/24	43%	40%	In construction.
Subtotal of OVERHEAD				6,624,000	93,325	4,115,177	2,508,823				
UNDERGROUND											
1619972	Canyon Crest Cable Replacement Area 1F, Phase 3 Project	06/25/21	1,300,000	1,300,000	-	1,354,193	(54,193)	09/16/22	104%	95%	Completed, pending as-builts.
2009293	Switch Cable Replacement Project Phase I	07/26/21	705,000	705,000	1,582	496,011	208,989	08/01/24	70%	85%	Completed, pending as-builts.
Subtotal of UNDERGROUND				2,005,000	1,582	1,850,204	154,796				
SUBSTATION											
1816163	Substation Automation Upgrade Project	02/26/18	2,027,679	2,027,679	-	1,899,934	127,745	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	-	1,303,006	696,994	06/18/24	65%	70%	In implementation phase.
1810532	Freeman Switchgear and Transformer Upgrade	11/05/18	5,463,000	5,463,000	-	5,131,309	331,691	03/31/22	94%	99%	Completed, pending closure.
1906356	Multi Substation - 69kV Circuit Breakers Replacement	09/23/19	7,200,000	7,200,000	18,977	6,159,285	1,040,715	09/26/24	86%	85%	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%	30%	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%	80%	In construction.
2219619	University Substation Transformer Replacement	11/14/22	1,995,000	1,995,000	-	1,547,272	447,728	06/20/24	78%	99%	Completed, pending closure.
2202776	La Colina Substation Improvement Project	11/14/22	5,400,000	5,400,000	10,062	15,130	5,384,870	09/26/24	0%	5%	In design.
2302559	Harvey Lynn Switchgear Upgrade Project	01/23/23	383,000	383,000	-	473,483	(90,483)	02/21/24	124%	95%	Completed, pending as-builts.
2312723	Plaza Substation Switchgear and Bus Differential Upgrade Project	04/10/23	275,000	275,000	2,706	191,096	83,904	07/18/24	69%	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	Orancrest Switchgear 1 and 2 Upgrade project	11/13/23	979,000	979,000	77,740	225,196	753,804	09/26/24	23%	30%	Phase 1: In construction. Phase 2: In design.
2420403	Hunter Substation Replacement Project	04/08/24	62,327,000	62,327,000	5,188,507	7,460,635	54,866,365	09/19/24	12%	5%	In design and procurement.
Subtotal of SUBSTATION				92,396,558	5,297,992	27,717,765	64,877,807				
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.

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					Total	Total			% Spent	% Completed	
					as of 9/30/2024	as of 9/30/2024					
1722321	Norte Vista Sidewalk Improvements Project	02/12/18	888,000	888,000	-	754,478	133,522	09/28/23	85%	99%	Completed, pending closure.
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	5/10/2021	460,000	460,000	92,244	260,316	199,684	09/28/24	57%	57%	In construction.
2019648	Spring Circuit Reliability Project - Phase 1	8/26/2023	3,587,000	3,587,000	445,881	2,639,306	947,694	09/26/24	74%	60%	In construction.
2224356	Orangecrest Substation Fiber Optic Cable Upgrade project	11/13/2023	649,000	649,000	37,294	120,110	528,890	09/26/24	19%	10%	Design complete. In procurement
Subtotal of RECURRING/OBLIGATION TO SERVE				7,634,000	575,419	5,625,962	2,008,038				
SYSTEM AUTOMATION											
1707248	Advanced Metering Infrastructure - Electric	06/12/17	11,180,991	11,180,991	-	13,107,880	(1,926,889)	09/20/23	117%	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	6,865,063	2,007,509	09/25/24	77%	99%	Completed, pending closure.
1718078	Streetlight Replacement Project- Phase 3	07/22/19	1,849,000	1,849,000	-	1,929,608	(80,608)	09/20/23	104%	99%	Completed, pending closure.
1904073	Streetlight Replacement Project- Phase 4	09/12/22	5,600,000	5,600,000	411	5,184,557	415,443	09/12/24	93%	99%	Completed, pending closure.
2208782	Land mobile radio infrastructure upgrade project	03/14/22	2,349,719	2,349,719	-	2,031,870	317,849	02/29/24	0%	0%	In design
2205440	SCADA Upgrade Project	08/22/22	2,287,567	1,335,961	328,951	928,646	407,315	10/03/24	0%	0%	Pending start date.
Subtotal of SYSTEM AUTOMATION				31,188,243	339,394	30,047,624	1,140,619				
OTHER PROJECT											
1104202	CIS Replacement	06/01/12	9,200,000	8,859,000	10,000	9,279,797	(420,797)	07/29/24	105%	95%	In implementation phase (in progress).
Subtotal of OTHER PROJECT				8,859,000	10,000	9,279,797	(420,797)				
RTRP											
050009/01	Riverside Transmission Reliability Project (RTRP) (3)	01/20/06	216,515,521	214,105,921	(648,599)	66,055,098	148,050,823	09/26/24	31%	20%	Phase I construction (69kV) completed.
Subtotal of RTRP				214,105,921	(648,599)	66,055,098	148,050,823				
GRAND TOTAL ELECTRIC FUND - Open Work Orders				362,812,722	5,669,113	144,691,627	218,320,108				

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

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