

Riverside Public Utilities
Open Capital Work Order Summary Report - Electric Fund
March-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		Project Status
					Total	Total			(Based on Proj. Est.)		
					as of 3/31/2024	as of 3/31/2024			% 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	587	2,181,080	(7,080)	01/18/24	100%	95%	Completed, pending closure.
1904777	Plaza Substation 4kV to 12kV	12/22/20	4,450,000	4,450,000	436,286	1,680,128	2,769,872	03/28/24	38%	40%	In construction.
Subtotal of OVERHEAD				6,624,000	436,873	3,861,208	2,762,792				

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	69,354	464,064	240,936	03/22/24	66%	85%	In construction.
Subtotal of UNDERGROUND				2,005,000	69,354	1,818,257	186,743				

SUBSTATION

1816163	Substation Automation Upgrade Project	02/26/18	2,027,679	2,027,679	13,374	1,899,727	127,952	02/15/24	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%	15%	In design.
1826767	Hunter Substation Replacement Project	01/14/19	2,000,000	2,000,000	2,779	1,300,853	699,147	12/26/23	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	215,434	5,988,222	1,211,778	03/14/24	83%	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%	99%	Completed, pending closure.
2123497	Rohr Substation protection system upgrade project	09/13/21	485,000	485,000	32,875	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	228,430	252,317	1,742,683	03/26/24	13%	60%	In construction.
2202776	La Colina Substation Improvement Project	11/14/22	2,500,000	2,500,000	5,068	5,068	2,494,932	02/28/24	0%	5%	In design.
2302559	Harvey Lynn Switchgear Upgrade Project	01/23/23	383,000	383,000	303,274	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	56,824	151,823	123,177	02/15/24	55%	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%	100%	Completed.
2323918	Harvey Lynn Substation Switchgear 5 Upgrade project	09/25/23	260,000	260,000	30,902	30,902	229,098	01/22/24	12%	5%	In design
2402369	Orangecrest Switchgear 1 and 2 Upgrade project	11/13/23	979,000	979,000	70,746	70,746	908,254	02/29/24	7%	13%	In design
Subtotal of SUBSTATION				27,649,558	959,707	18,789,172	9,059,400				

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%	95%	Completed, to be closed.
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 3/31/2024	as of 3/31/2024					
1722321	Norte Vista Sidewalk Improvements Project	02/12/18	888,000	888,000	58	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	5/10/2021	460,000	460,000	3,167	15,349	444,651	11/09/23	3%	1%	In construction.
2019648	Spring Circuit Reliability Project - Phase 1	8/26/2023	3,587,000	3,587,000	8,058	361,893	3,225,107	03/15/24	10%	10%	In construction.
2224356	Orangecrest Substation Fiber Optic Cable Upgrade project	11/13/2023	649,000	649,000	5,919	25,966	623,034	03/14/24	4%	10%	Design complete. In procurement
Subtotal of RECURRING/OBLIGATION TO SERVE				7,634,000	17,202	3,009,439	4,624,561				
System Automation											
1707248	Advanced Metering Infrastructure - Electric	06/12/17	11,180,991	11,180,991	935,367	13,110,216	(1,929,225)	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	8,720	6,855,031	2,017,541	03/26/24	77%	95%	In construction.
1718078	Streetlight Replacement Project- Phase 3	07/22/19	1,849,000	1,849,000	83,184	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	3,343,132	4,946,172	653,828	03/14/24	88%	95%	In construction.
2208782	Land mobile radio infrastructure upgrade project	03/14/22	2,349,719	2,349,719	97,326	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	149,392	599,696	736,265	03/21/24	0%	0%	Pending start date.
Subtotal of SYSTEM AUTOMATION				31,188,243	4,617,121	29,472,592	1,715,651				
OTHER PROJECT											
1104202	CIS Replacement	06/01/12	9,200,000	8,859,000	10,400	9,257,857	(398,857)	06/24/19	105%	95%	In implementation phase (in progress).
Subtotal of OTHER PROJECT				8,859,000	10,400	9,257,857	(398,857)				
RTRP											
050009/01	Riverside Transmission Reliability Project (RTRP) (3)	01/20/06	216,515,521	214,105,921	1,937,343	66,038,020	148,067,901	03/26/24	31%	20%	Phase I construction (69kV) in progress, remaining project pieces in Planning and Design stages.
Subtotal of RTRP				214,105,921	1,937,343	66,038,020	148,067,901				
GRAND TOTAL ELECTRIC FUND - Open Work Orders				298,065,722	8,048,000	132,246,545	166,018,190				

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