

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

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 12/31/2023	as of 12/31/2023					

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	437	2,103,935	70,065	07/06/23	97%	95%	Completed, to be closed.
1904777	Plaza Substation 4kV to 12kV	12/22/20	4,450,000	4,450,000	285,004	1,435,716	3,014,284	12/19/23	32%	35%	In construction.
Subtotal of OVERHEAD				6,624,000	285,441	3,539,651	3,084,349				

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%	Completed, to be closed.
2009293	Switch Cable Replacement Project Phase I	07/26/21	705,000	705,000	13,341	355,021	349,979	12/07/23	50%	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%	Completed, to be closed.
1910967	Gilbralter Drive Cable Replacement Project	08/08/22	509,000	509,000	-	500,030	8,970	05/18/23	98%	95%	Completed, to be closed.
Subtotal of UNDERGROUND				4,629,000	13,341	4,241,682	387,318				

SUBSTATION

1816163	Substation Automation Upgrade Project	02/26/18	2,027,679	2,027,679	9,019	1,835,978	191,701	07/27/23	91%	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	2,062	1,292,729	707,272	11/29/23	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, to be closed.
1906356	Multi Substation - 69kV Circuit Breakers Replacement	09/23/19	7,200,000	7,200,000	124,182	5,683,259	1,516,741	12/07/23	79%	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%	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 implementation phase.
2219619	University Substation Transformer Replacement	11/14/22	1,995,000	1,995,000	84,956	106,030	1,888,970	12/07/23	5%	60%	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	282,328	419,104	(36,104)	12/07/23	109%	55%	In implementation phase.
2312723	Plaza Substation Switchgear and Bus Differential Upgrade Project	04/10/23	275,000	275,000	45,553	140,553	134,447	11/27/23	51%	70%	In implementation phase.
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	-	-	260,000	-	0%	5%	In design
2402369	Orangecrest Switchgear 1 and 2 Upgrade project	11/13/23	979,000	979,000	32,467	32,467	946,533	12/07/23	3%	13%	In design
Subtotal of SUBSTATION				27,649,558	613,443	18,077,836	9,746,796				

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, to be closed.
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%	Completed, to be closed.

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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.
1722321	Norte Vista Sidewalk Improvements Project	02/12/18	888,000	888,000	58	746,171	141,829	09/28/23	84%	95%	Completed, to be closed.
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	1,403	336,752	3,250,248	08/03/23	9%	10%	In construction.
2224356	Orangecrest Substation Fiber Optic Cable Upgrade project	11/13/2023	649,000	649,000	-	20,048	628,952	-	3%	10%	Design complete. In procurement
Subtotal of RECURRING/OBLIGATION TO SERVE				8,899,000	4,627	4,121,658	4,777,342				
System Automation											
1707248	Advanced Metering Infrastructure - Electric	06/12/17	11,180,991	11,180,991	893,908	11,718,175	(537,184)	09/20/23	105%	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%	95%	Work Order to be closed.
1916742	Phase 1 LED Conversion	06/24/19	8,560,000	8,872,572	400	6,832,523	2,040,049	10/31/23	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, to be closed.
1904073	Streetlight Replacement Project- Phase 4	09/12/22	5,600,000	5,600,000	2,349,282	3,478,196	2,121,804	12/19/23	62%	70%	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.
Subtotal of SYSTEM AUTOMATION				31,668,243	3,326,774	26,185,247	5,482,996				
OTHER PROJECT											
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, to be closed.
Subtotal of OTHER PROJECT				9,528,000	-	9,435,413	92,587				
RTRP											
050009/01	Riverside Transmission Reliability Project (RTRP) (3)	01/20/06	216,515,521	214,105,921	593,558	64,375,778	149,730,143	12/07/23	30%	20%	Phase I construction (69kV) in progress, remaining project pieces in Planning and Design stages.
Subtotal of RTRP				214,105,921	593,558	64,375,778	149,730,143				
GRAND TOTAL ELECTRIC FUND - Open Work Orders				303,103,722	4,837,185	129,977,265	173,301,531				

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