

Riverside Public Utilities
Open Capital Work Order Summary Report - Electric Fund
September-22

Project / Subproject or WO	Project Description	Board Approval Date	Board Approved Estimate ⁽¹⁾	Project Estimate ⁽²⁾	Year to Date Total as of 9/30/2022	Life to Date Total as of 9/30/2022	Available Balance	Last Activity Date	Job Status (Based on Proj. Est.)		Project Status
									% 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	-	2,099,994	74,006	05/05/22	97%	95%	Pending as-builts
1708708	Plaza Sub 4/12kV Conversion Circuit 441	08/12/19	2,038,000	2,038,000	-	1,446,961	591,039	05/12/22	71%	95%	Pending as-builts
1808449	Plaza Substation - Circuit 448	07/09/18	973,000	973,000	-	545,842	427,158	09/30/21	56%	95%	Make ready. Completed, pending as-builts. WO used to complete cutover to new ckt 1255
1904777	Plaza Substation 4kV to 12kV	12/22/20	4,450,000	4,450,000	93,079	693,803	3,756,197	09/15/22	16%	20%	In Construction.
Subtotal of OVERHEAD				9,635,000	93,079	4,786,600	4,848,400				

UNDERGROUND

1619972	Canyon Crest Cable Replacement Area 1F, Phase 3 Project	06/25/21	1,300,000	1,300,000	7,091	1,343,741	(43,741)	09/16/22	103%	90%	Construction complete. Crews pulling cable.
2009293	Switch Cable Replacement Project Phase I	07/26/21	705,000	705,000	26,516	236,494	468,506	08/04/22	34%	60%	In construction
1904200	Canyon Crest Cable Replacement Area 5 Project	05/09/22	2,115,000	2,115,000	3,260	307,121	1,807,879	09/01/22	15%	50%	Bid No. RPU-7894 awarded by RPU Board on 5/9/22, pending execution of agreement to start construction.
1910967	Gilbralter Drive Cable Replacement Project	08/08/22	509,000	509,000	687	102,406	406,594	08/04/22	20%	0%	Bid No. RPU-7916 was approved by RPU Board on 8/8/22, awarded to EE Electric, Inc., pending execution of agreement to start construction
Subtotal of UNDERGROUND				4,629,000	37,554	1,989,762	2,639,238				

SUBSTATION

1814007	Substation Capacitor Upgrade Project	01/22/18	5,306,000	5,306,000	3,220	5,064,377	241,623	08/27/22	95%	98%	Completed, pending as-builts and updating standards.
1816163	Substation Automation Upgrade Project	02/26/18	2,027,679	2,027,679	8,962	1,805,970	221,709	09/15/22	89%	90%	In implementation phase.
1826061	Riverside power plants Arc Flash Mitigation	06/11/18	497,000	497,000	-	63,408	433,592	06/10/20	13%	12%	In design.
1826767	Hunter Substation Replacement Project	01/14/19	2,000,000	2,000,000	11,030	1,268,733	731,267	09/22/22	63%	70%	Pending funding to proceed to phase 2 of the project.
1822318	Multi Substation Transformer Upgrade/ Recondition	06/25/18	3,082,617	3,082,617	725	2,937,741	144,876	08/27/22	95%	98%	Completed, pending as-builts.
1810532	Freeman Switchgear and Transformer Upgrade	11/05/18	5,463,000	5,463,000	-	5,105,398	357,602	03/31/22	93%	98%	Completed pending as-builts and updating standards.
1906356	Multi Substation - 69kV Circuit Breakers Replacement	09/23/19	6,500,000	6,500,000	18,145	5,070,055	1,429,945	09/15/22	78%	80%	In implementation phase.
1927285	La Colina Switchgear 3&4 Replacement Project	06/10/19	480,000	480,000	-	234,353	245,647	02/04/22	49%	80%	On hold.
1910518	Substation Protection Support for Multiple Substations, with Stantec Consulting Services Inc.	11/25/19	480,000	480,000	-	200,881	279,119	05/10/22	42%	45%	In implementation phase.
2002530	Multi Substation Transformer Upgrade and Reconditioning	02/24/20	1,883,000	1,883,000	-	1,817,998	65,002	06/09/22	97%	95%	Completed, pending as-builts.
2123497	Rohr Substation protection system upgrade project	09/13/21	485,000	485,000	24,643	119,814	485,000	09/15/22	25%	20%	On hold.
2202600	Teleprotection Substation Infrastructure Upgrade Project	12/13/21	544,378	544,378	22,418	454,986	89,392	08/15/22	84%	60%	In implementation phase.
Subtotal of SUBSTATION				28,748,674	89,144	24,143,713	4,724,775				

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RECURRING/OBLIGATION TO SERVE

1423748	Freeman Substation to Orangecrest Substation	10/22/18	1,265,000	1,265,000	4,221	1,155,782	109,218	09/15/22	91%	85%	In Contruction - pending closure.
1503115	Freeman-Kaiser-Harvey Lynn	12/18/15	380,000	380,000	(2,393)	553,557	(173,557)	08/09/22	146%	95%	Completed, pending closure.
1518525	Jurupa Avenue - New Tract 28987	11/06/15	320,000	320,000	811	236,808	83,192	08/18/22	74%	95%	In Construction.
1611216	Citywide Streetlight L.E.D. Conversion	07/25/16	1,150,000	1,150,000	-	864,981	285,019	10/14/21	75%	95%	In Design.
1709454	12 kV Electrical Feeders for the California Air Resources Board Project	01/14/19	757,000	757,000	-	748,261	8,739	09/02/21	99%	99%	Completed and pending closure.
1711020	Fiber Management System and Professional Services Project	08/26/19	650,000	650,000	2,439	516,648	133,352	09/15/22	79%	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	-	746,113	141,887	03/17/22	84%	95%	Completed, pending as-builts. City is in litigation w/Contractor.
1822537	Smart Grid Communication System Project	07/22/19	459,000	459,000	-	167,284	291,716	05/27/21	36%	40%	On hold.
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.
1807494	Magnolia Ave St. Improvements Project from Buchanan St to Banbury Dr.	12/09/19	382,000	382,000	-	350,796	31,204	10/14/21	92%	95%	Completed, pending as-builts.
1816079	Magnolia Ave St. Improvements Project from Buchanan St to Banbury Dr.	12/09/19	378,000	378,000	-	473,232	(95,232)	06/17/22	125%	95%	Completed, pending closure.
1826227	Magnolia Ave St. Improvements Project from Buchanan St to Banbury Dr.	12/09/19	602,000	602,000	12,306	891,688	(289,688)	08/18/22	148%	95%	Completed, pending closure.
1818275	Iowa Avenue Improvements Projects from MLK Blvd to University Ave.	04/13/20	1,430,000	1,430,000	-	1,427,409	2,591	04/14/22	100%	95%	Completed, pending closure.
2115405	Reliability Improvement and Fuse Coordination Project (Circuit 10)	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	114,919	303,309	43,691	09/16/22	87%	80%	In construction.
				9,718,000	132,302	8,781,980	936,020				

System Automation

1707248	Advanced Metering Infrastructure - Electric	06/12/17	11,180,991	11,180,991	296,992	10,554,573	626,418	08/26/19	94%	85%	Full deployment underway. Only remaining work is meter installs.
1619634	Operational Data Management System - Electric	05/09/16	4,907,000	2,474,500	-	2,510,050	(35,550)	08/19/21	101%	95%	Completed, pending closure.
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	23,728	5,023,714	3,848,858	09/15/22	57%	70%	In construction.
1718078	Streetlight Replacement Project- Phase 3	07/22/19	1,849,000	1,849,000	-	1,782,878	66,122	06/09/22	96%	90%	In construction.
1904073	Streetlight Replacement Project- Phase 4	09/12/22	5,600,000	5,600,000	575	64,220	5,535,780	09/15/22	1%	0%	Pending start date.
2208782	Land mobile radio infrastructure upgrade project	03/14/22	2,349,719	2,349,719	-	486,630	1,863,089	05/17/22	0%	0%	In design
2205440	SCADA Upgrade Project	08/22/22	2,287,567	1,335,961	-	-	1,335,961		0%	0%	Pending start date.
				34,142,743	321,295	20,422,064	13,720,679				

OTHER PROJECT

1104202	CIS Replacement	06/01/12	9,200,000	8,859,000	10,750	8,866,188	(7,188)	06/24/19	100%	95%	In implementation phase (in progress).
2119615	Underground conduit installation (Phase I)	05/10/21	669,000	669,000	-	1,695	667,305	07/22/21	0%	90%	Completed, pending closure.
				9,528,000	10,750	8,867,884	660,116				

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050009/01	Riverside Transmission Reliability Project (RTRP) (3)	01/20/06	216,515,521	214,105,921	110,690	60,825,272	153,280,649	09/27/22	28%	22%	Phase I construction (69kV) in progress, remaining project pieces in Planning and Design stages.
Subtotal of RTRP				214,105,921	110,690	60,825,272	153,280,649				
GRAND TOTAL ELECTRIC FUND - Open Work Orders				310,507,338	794,814	129,817,274	180,809,878				

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.
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.