

Riverside Public Utilities
Open Capital Work Order Summary Report - Electric Fund
March-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 as of 3/31/2023	Total as of 3/31/2023			% 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	1,067	2,101,062	72,938	03/16/23	97%	95%	Pending cutover and 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%	99%	Completed.
1904777	Plaza Substation 4kV to 12kV	12/22/20	4,450,000	4,450,000	375,027	929,574	3,520,426	03/23/23	21%	20%	In construction.
Subtotal of OVERHEAD				9,635,000	376,094	5,023,439	4,611,561				

UNDERGROUND

1619972	Canyon Crest Cable Replacement Area 1F, Phase 3 Project	06/25/21	1,300,000	1,300,000	10,930	1,439,874	(139,874)	09/16/22	111%	90%	Construction complete. Crews pulling cable.
2009293	Switch Cable Replacement Project Phase I	07/26/21	705,000	705,000	133,325	299,715	405,285	03/17/23	43%	85%	In construction.
1904200	Canyon Crest Cable Replacement Area 5 Project	05/09/22	2,115,000	2,115,000	939,374	1,730,435	384,565	03/17/23	82%	50%	In construction.
1910967	Gibraltar Drive Cable Replacement Project	08/08/22	509,000	509,000	381,011	482,323	26,677	03/08/23	95%	90%	Construction was complete and released to the crews on December 14th with the exception of a CST lid. Estimated time of completion for the lid is approx. 6 weeks.
Subtotal of UNDERGROUND				4,629,000	1,464,639	3,952,348	676,652				

SUBSTATION

1814007	Substation Capacitor Upgrade Project	01/22/18	5,306,000	5,306,000	137,161	5,198,318	107,682	02/16/23	98%	99%	Completed.
1816163	Substation Automation Upgrade Project	02/26/18	2,027,679	2,027,679	14,071	1,802,949	224,730	03/16/23	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	23,103	1,280,806	719,194	03/02/23	64%	70%	Submitted RFP to Purchasing for EPC contract
1822318	Multi Substation Transformer Upgrade/ Recondition	06/25/18	3,082,617	3,082,617	15,642	2,952,301	130,316	03/02/23	96%	99%	Completed.
1810532	Freeman Switchgear and Transformer Upgrade	11/05/18	5,463,000	5,463,000	1,536	5,106,934	356,067	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	291,709	5,357,059	1,142,941	03/13/23	82%	80%	In implementation phase.
1910518	Substation Protection Support for Multiple Substations, with Stantec Consulting Services Inc.	11/25/19	480,000	480,000	3,042	206,473	273,527	12/13/22	43%	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%	99%	Completed.
2123497	Rohr Substation protection system upgrade project	09/13/21	485,000	485,000	51,027	142,199	485,000	02/27/23	29%	30%	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.

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2219619	University Substation Transformer Replacement	11/14/22	1,995,000	1,995,000	8,060	8,060	1,986,940	03/16/23	0%	1%	In implementation phase.
2202776	La Colina Substation Improvement Project	11/14/22	2,500,000	2,500,000	-	-	2,500,000	-	0%	1%	In implementation phase.
2302559	Harvey Lynn Switchgear Upgrade Project	01/23/23	383,000	383,000	-	53,584	329,416	03/16/23	14%	-	In implementation phase.
Subtotal of SUBSTATION				33,146,674	567,769	24,445,073	8,843,799				

RECURRING/OBLIGATION TO SERVE

1423748	Freeman Substation to Orangecrest Substation	10/22/18	1,265,000	1,265,000	11,526	1,163,087	101,913	01/19/23	92%	99%	Completed.
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	1,701	237,699	82,301	08/18/22	74%	95%	In Construction.
1611216	Citywide Streetlight L.E.D. Conversion	07/25/16	1,150,000	1,150,000	111,397	982,827	167,173	03/09/23	85%	95%	Pending final invoices.
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	8,086	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	-	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 closure.
1816079	Magnolia Ave St. Improvements Project from Buchanan St to Banbury Dr.	12/09/19	378,000	378,000	2,662	475,894	(97,894)	01/19/23	126%	95%	Completed, pending closure.
1826227	Magnolia Ave St. Improvements Project from Buchanan St to Banbury Dr.	12/09/19	602,000	602,000	19,738	899,120	(297,120)	12/22/22	149%	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)	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	136,123	324,513	22,487	03/16/23	94%	95%	Completed, pending closure.
Subtotal of RECURRING/OBLIGATION TO SERVE				9,718,000	288,839	8,944,967	773,033				

System Automation

1707248	Advanced Metering Infrastructure - Electric	06/12/17	11,180,991	11,180,991	452,806	10,611,470	569,521	08/26/19	95%	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%	1%	Board approval 12/10/18.
1916742	Phase 1 LED Conversion	06/24/19	8,560,000	8,872,572	1,802,264	6,788,154	2,084,418	03/16/23	77%	70%	In construction.
1718078	Streetlight Replacement Project- Phase 3	07/22/19	1,849,000	1,849,000	51,981	1,834,859	14,141	01/05/23	99%	90%	In construction.
1904073	Streetlight Replacement Project- Phase 4	09/12/22	5,600,000	5,600,000	7,190	70,057	5,529,943	03/16/23	1%	3%	In construction.
2208782	Land mobile radio infrastructure upgrade project	03/14/22	2,349,719	2,349,719	1,253,262	1,739,892	609,827	03/20/23	0%	0%	In design

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2205440	SCADA Upgrade Project	08/22/22	2,287,567	1,335,961	450,304	450,304	885,657	02/02/23	0%	0%	Pending start date.
Subtotal of SYSTEM AUTOMATION				31,668,243	4,017,807	21,494,735	10,173,508				
OTHER PROJECT											
1104202	CIS Replacement	06/01/12	9,200,000	8,859,000	21,500	8,876,938	(17,938)	06/24/19	100%	95%	In implementation phase (in progress).
2119615	Underground conduit installation (Phase I)	05/10/21	669,000	669,000	3,827	5,522	663,478	02/02/23	1%	95%	Completed, pending closure.
Subtotal of OTHER PROJECT				9,528,000	25,327	8,882,461	645,539				
RTRP											
050009/01	Riverside Transmission Reliability Project (RTRP) (3)	01/20/06	216,515,521	214,105,921	1,996,906	62,711,487	151,394,434	03/16/23	29%	22%	Phase I construction (69kV) in progress, remaining project pieces in Planning and Design stages.
Subtotal of RTRP				214,105,921	1,996,906	62,711,487	151,394,434				
GRAND TOTAL ELECTRIC FUND - Open Work Orders				312,430,838	8,737,381	135,454,510	177,118,527				

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.