

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

Project / Subproject or WO	Project Description	Board Approval Date	Board Approved Estimate <sup>(1)</sup>	Project Estimate <sup>(2)</sup>	Year to Date Total as of 6/30/2022	Life to Date Total as of 6/30/2022	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	551,188	2,099,994	74,006	05/05/22	97%	95%	In Construction. RPU Electric Field Crew
1708708	Plaza Sub 4/12kV Conversion Circuit 441	08/12/19	2,038,000	2,038,000	447,268	1,446,961	591,039	05/12/22	71%	95%	In Construction.
1808449	Plaza Substation - Circuit 448	07/09/18	973,000	973,000	14,162	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	395,341	578,903	3,871,097	06/22/22	13%	4%	In Construction.
<b>Subtotal of OVERHEAD</b>				<b>9,635,000</b>	<b>1,407,959</b>	<b>4,671,700</b>	<b>4,963,300</b>				

**UNDERGROUND**

1619972	Canyon Crest Cable Replacement Area 1F, Phase 3 Project	06/25/21	1,300,000	1,300,000	1,066,904	1,231,681	68,319	06/10/22	95%	90%	Construction complete. Crews pulling cable.
2009293	Switch Cable Replacement Project Phase I	07/26/21	705,000	705,000	18,280	87,228	617,772	06/22/22	12%	40%	In construction
1904200	Canyon Crest Cable Replacement Area 5 Project	05/09/22	2,115,000	2,115,000	90,377	301,533	1,813,467	06/09/22	14%	50%	Bid No. RPU-7894 awarded by RPU Board on 5/9/22, pending execution of agreement to start construction.
<b>Subtotal of UNDERGROUND</b>				<b>4,120,000</b>	<b>1,175,561</b>	<b>1,620,442</b>	<b>2,499,558</b>				

**SUBSTATION**

1814007	Substation Capacitor Upgrade Project	01/22/18	5,306,000	5,306,000	43,704	5,058,704	247,296	06/20/22	95%	98%	Completed, pending as-builts and updating standards.
1816163	Substation Automation Upgrade Project	02/26/18	2,027,679	2,027,679	219,647	1,794,775	232,904	06/09/22	89%	85%	In implementation phase.
1826061	Riverside power plants Arc Flash Mitigation	06/11/18	497,000	497,000	-	33,408	463,592	06/10/20	7%	10%	In design.
1826767	Hunter Substation Replacement Project	01/14/19	2,000,000	2,000,000	136,478	1,256,728	743,272	06/07/22	63%	70%	In design.
1822318	Multi Substation Transformer Upgrade/ Recondition	06/25/18	3,082,617	3,082,617	3,729	2,936,647	145,970	05/27/22	95%	95%	Completed, pending as-builts.
1810532	Freeman Switchgear and Transformer Upgrade	11/05/18	5,463,000	5,463,000	29,332	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	1,679,401	5,045,524	1,454,476	06/20/22	78%	80%	In implementation phase.
1927285	La Colina Switchgear 3&4 Replacement Project	06/10/19	480,000	480,000	53,204	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	42,887	200,881	279,119	05/10/22	42%	40%	In implementation phase.
2002530	Multi Substation Transformer Upgrade and Reconditioning	02/24/20	1,883,000	1,883,000	28,052	1,593,876	289,124	06/09/22	85%	95%	In Construction.
2123497	Rohr Substation protection system upgrade project	09/13/21	485,000	485,000	114,827	94,888	485,000	04/28/22	20%	20%	On hold.
2202600	Teleprotection Substation Infrastructure Upgrade Project	12/13/21	544,378	544,378	432,568	432,568	111,810	12/13/21	79%	60%	In implementation phase.
<b>Subtotal of SUBSTATION</b>				<b>28,748,674</b>	<b>2,783,829</b>	<b>23,787,748</b>	<b>5,055,813</b>				

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**RECURRING/OBLIGATION TO SERVE**

1423748	Freeman Substation to Orangecrest Substation	10/22/18	1,265,000	1,265,000	15,483	1,151,561	113,439	04/14/22	91%	85%	In Contruction - Installation of new fiber completed. Removal of old fiber in progress.
1503115	Freeman-Kaiser-Harvey Lynn	12/18/15	380,000	380,000	94,328	501,285	(121,285)	06/22/22	132%	95%	Completed, pending closure.
1518525	Jurupa Avenue - New Tract 28987	11/06/15	320,000	320,000	147,277	235,948	84,052	06/09/22	74%	90%	In Construction.
1611216	Citywide Streetlight L.E.D. Conversion	07/25/16	1,150,000	1,150,000	15,525	864,981	285,019	10/14/21	75%	85%	In Design.
1709454	12 kV Electrical Feeders for the California Air Resources Board Project	01/14/19	757,000	757,000	720	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	72,466	513,123	136,877	06/09/22	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	49	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	80	350,674	31,326	03/31/22	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	16,529	473,232	(95,232)	10/14/21	125%	95%	Construction completed, pending as-builts.
1826227	Magnolia Ave St. Improvements Project from Buchanan St to Banbury Dr.	12/09/19	602,000	602,000	568,064	879,383	(277,383)	06/17/22	146%	95%	Construction completed, pending as-builts.
1818275	Iowa Avenue Improvements Projects from MLK Blvd to University Ave.	04/13/20	1,430,000	1,430,000	99,506	1,427,409	2,591	04/14/22	100%	85%	In Construction with Public Works.
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	175,898	180,782	166,218	06/16/22	52%	60%	In construction.
				<b>9,718,000</b>	<b>1,205,925</b>	<b>8,586,147</b>	<b>1,131,854</b>				

**System Automation**

1707248	Advanced Metering Infrastructure - Electric	06/12/17	11,180,991	11,180,991	1,749,563	10,253,911	927,080	08/26/19	92%	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	20,901	4,127,133	4,745,439	06/10/22	47%	20%	In Design / Contract Admin. Contractor to start in May
1718078	Streetlight Replacement Project- Phase 3	07/22/19	1,849,000	1,849,000	700,095	1,534,392	314,608	06/09/22	83%	90%	In Construction.
2208782	Land mobile radio infrastructure upgrade project	03/14/22	2,349,719	2,349,719	486,630	486,630	1,863,089		0%	0%	In Design
				<b>27,206,782</b>	<b>2,957,189</b>	<b>18,912,116</b>	<b>8,294,666</b>				

**OTHER PROJECT**

1104202	CIS Replacement	06/01/12	9,200,000	8,859,000	38,485	8,855,438	3,562	06/24/19	100%	95%	In implementation phase (in progress).
2119615	Underground conduit installation (Phase I)	05/10/21	669,000	669,000	361	1,695	667,305	07/22/21	0%	90%	In construction with Public Works.
				<b>9,528,000</b>	<b>38,846</b>	<b>8,857,134</b>	<b>670,866</b>				

**RTRP**

050009/01	Riverside Transmission Reliability Project (RTRP) (3)	01/20/06	216,515,521	214,105,921	7,982,984	59,484,435	154,621,486	09/22/20	28%	22%	Phase I construction (69kV) in progress, remaining project pieces in Planning and Design stages.
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					Total	Total			(Based on Proj. Est.)		
					as of 6/30/2022	as of 6/30/2022			% Spent	% Completed	
Subtotal of RTRP				214,105,921	7,982,984	59,484,435	154,621,486				
GRAND TOTAL ELECTRIC FUND - Open Work Orders				303,062,377	17,552,293	125,919,722	177,237,543				

**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.