

Riverside Public Utilities
Open Capital Work Order Summary Report - Electric Fund
September-21

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 9/30/2021	as of 9/30/2021					
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	116,672	1,699,220	474,780	09/16/21	78%	60%	In Construction.
1708708	Plaza Sub 4/12kV Conversion Circuit 441	08/12/19	2,038,000	2,038,000	58,125	1,102,469	935,531	09/18/21	54%	85%	In Construction.
1808449	Plaza Substation - Circuit 448	07/09/18	973,000	973,000	6,827	545,842	427,158	09/16/21	56%	95%	Completed, pending as-builts.
1904777	Plaza Substation 4kV to 12kV	12/22/20	4,450,000	4,450,000	22,586	222,461	4,227,539	08/20/21	5%	4%	In Construction.
Subtotal of OVERHEAD					9,635,000	204,210	3,569,992	6,065,008			
UNDERGROUND											
1903658	Electrical Engineering Design Services for Pole/Vault Placement and Reconductor Project	11/25/19	435,000	435,000	-	343,698	91,302	09/10/19	79%	75%	In Design.
1619972	Canyon Crest Cable Replacement Area 1F, Phase 3 Project	06/25/21	1,300,000	1,300,000	34	164,821	1,135,179	09/16/21	13%	1%	Construction starting 10/4/21
2009293	Switch Cable Replacement Project Phase I	07/26/21	705,000	705,000	432	69,927	635,073	07/08/21	10%	10%	Pending construction start.
Subtotal of UNDERGROUND					2,440,000	466	578,446	1,861,554			
SUBSTATION											
1407577	Metal Gate Replacement	04/09/18	337,699	337,699	-	355,718	(18,019)	05/24/21	105%	99%	Completed, pending as-builts.
1603079	Springs & Orangecrest Equipment Replacement Project	02/19/16	1,700,000	1,700,000	-	1,582,673	117,327	05/27/21	93%	90%	On-hold. Will resume construction in 11/1/21.
1808341	Substation Utility Storage Facility	06/11/18	407,385	407,385	-	244,714	162,671	12/31/19	60%	70%	On hold.
1814007	Substation Capacitor Upgrade Project	01/22/18	5,306,000	5,306,000	10,148	5,022,241	283,759	09/16/21	95%	98%	Completed, pending as-builts and updating standards.
1816163	Substation Automation Upgrade Project	02/26/18	2,027,679	2,027,679	36,403	1,652,084	375,595	09/16/21	81%	75%	In implementation phase.
1822052	Harvey Lynn Substation Site Expansion	10/22/18	2,100,000	2,100,000	-	2,141,978	(41,978)	03/31/21	102%	98%	Completed, pending as-builts.
1826061	Riverside power plants Arc Flash Mitigation	06/11/18	497,000	497,000	-	33,408	463,592	06/10/20	7%	3%	On-hold.
1826767	Hunter Substation Replacement Project	01/14/19	2,000,000	2,000,000	7,064	1,133,730	866,270	09/16/21	57%	70%	In design - Pending RFP.
1822318	Multi Substation Transformer Upgrade/ Recondition	06/25/18	3,082,617	3,082,617	664	2,933,244	149,373	08/27/21	95%	95%	Completed, pending as-builts.
1810532	Freeman Switchgear and Transformer Upgrade	11/05/18	5,463,000	5,463,000	9,987	5,100,088	362,912	08/19/21	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	164,760	3,539,468	2,960,532	09/22/21	54%	30%	In implementation phase.
1927285	La Colina Switchgear 3&4 Replacement Project	06/10/19	480,000	480,000	19,533	192,377	287,623	09/14/21	40%	15%	On hold.
1927495	Plaza & Riverside Line Relay Replacement Project	06/10/19	492,000	492,000	-	545,054	(53,054)	05/27/21	111%	90%	In Construction.
1910518	Substation Protection Support for Multiple Substations, with Stantec Consulting Services Inc.	11/25/19	480,000	480,000	11,777	169,771	310,229	09/02/21	35%	25%	In implementation phase.
2002530	Multi Substation Transformer Upgrade and Reconditioning	02/24/20	1,883,000	1,883,000	964	1,566,662	316,338	08/27/21	83%	90%	In Construction.
2021755	Riverside Substation 15kV Relay Replacement Project	09/14/20	900,000	900,000	18,524	662,510	237,490	09/16/21	74%	30%	In Construction.
2120986	Multiple Substations 15KV Capital Circuit Breaker Replacement Project	05/24/21	490,000	490,000	-	-	490,000	04/15/21	1%	1%	Work order went to Board on 05/24/21.
Subtotal of SUBSTATION					34,146,380	279,824	26,875,722	7,270,658			

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RECURRING/OBLIGATION TO SERVE											
1423748	Freeman Substation to Orangecrest Substation	10/22/18	1,265,000	1,265,000	5,956	1,148,514	116,486	09/02/21	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	-	406,956	(26,956)	03/27/21	107%	95%	Completed, pending as-builts.
1518525	Jurupa Avenue - New Tract 28987	11/06/15	320,000	320,000	50,135	175,287	144,713	09/18/21	55%	90%	In Construction.
1611216	Citywide Streetlight L.E.D. Conversion	07/25/16	1,150,000	1,150,000	1,007	851,446	298,554	09/16/21	74%	85%	In Design.
1709454	12 kV Electrical Feeders for the California Air Resources Board Project	01/14/19	757,000	757,000	317	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	33,924	478,091	171,909	09/16/21	74%	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	-	746,064	141,936	01/28/20	84%	95%	Completed, pending as-builts.
1725687	Wells-Arlanza Sidewalk Improvements Project	01/08/18	460,000	460,000	-	418,894	41,106	06/01/19	91%	95%	Completed, pending as-builts.
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	-	350,594	31,406	06/04/20	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	2,953	460,732	(82,732)	08/12/21	122%	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	1,978	316,545	285,455	09/16/21	53%	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	14,328	1,327,903	102,097	09/14/21	93%	85%	In Construction with Public Works.
2115405	Reliability Improvement and Fuse Coordination Project (Circuit 1364 & 1451)	5/10/2021	460,000.00	460,000.00	-	12,183	447,817	04/13/21	3%	1%	On hold.
1926828	Streetlight Installation Component of Public Works	9/13/2021	347,000.00	347,000.00	717	6,536	340,464	08/19/21	2%	0%	Contract awarded, pending execution
Subtotal of RECURRING/OBLIGATION TO SERVE				10,178,000	111,316	7,949,219	2,228,781				
System Automation											
1707248	Advanced Metering Infrastructure - Electric	06/12/17	11,180,991	11,180,991	29,888	8,527,338	2,653,653	08/26/19	76%	35%	Alpha phase complete; Beta set-up and testing underway.
1619634	Operational Data Management System - Electric	05/09/16	4,907,000	2,474,500	-	2,510,050	(35,550)	05/17/21	101%	100%	Completed.
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	8,560,000	-	4,106,232	4,453,768	05/28/20	48%	1%	In Design / Contract Admin.
1718078	Streetlight Replacement Project- Phase 3	07/22/19	1,849,000	1,849,000	5,858	848,865	1,000,135	09/16/21	46%	52%	In Construction.
Subtotal of SYSTEM AUTOMATION				24,544,491	35,746	15,992,486	8,552,005				
OTHER PROJECT											
1104202	CIS Replacement	06/01/12	9,200,000	8,859,000	-	8,816,953	42,047	06/24/19	100%	95%	In implementation phase (in progress).
2119615	Underground conduit installation (Phase I)	05/10/21	669,000	669,000	159	1,695	667,305	07/22/21	0%	50%	In construction with Public Works.
Subtotal of OTHER PROJECT				9,528,000	159	8,818,649	709,351				
RTRP											
050009/01	Riverside Transmission Reliability Project (RTRP) (3)	01/20/06	216,515,521	216,515,521	(288,089)	51,210,557	165,304,964	09/22/20	24%	19%	Phase I construction (69kV) in progress, remaining project pieces in Planning and Design stages.
Subtotal of RTRP				216,515,521	(288,089)	51,210,557	165,304,964				
GRAND TOTAL ELECTRIC FUND - Open Work Orders				306,987,392	343,632	114,995,070	191,992,322				

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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.

Items in **BLUE** represent work orders with no activity in the last 60 days.