

**Riverside Public Utilities**  
**Open Capital Work Order Summary Report - Electric Fund**  
**December-19**

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 12/31/2019	Life to Date Total as of 12/31/2019	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**

Various	GO-165 Pole Replacements - Citywide	08/27/18	2,227,000	2,227,000	-	1,644,889	582,111	Various	74%	0%	In construction.
Various	GO-165 Pole Replacements - Citywide	06/10/19	2,301,305	2,301,305	-	180,186	2,121,119	Various	8%	0%	Pending start date
080022 / 01	Wood Streets Streetlights Phase I <sup>(5)</sup>	10/18/13	1,909,600	1,909,600	-	1,792,642	116,958	06/14/18	94%	95%	Completed, pending as-builts.
1503112	Plaza substation - Circuit 450	01/28/19	2,174,000	2,174,000	166,228	1,146,261	1,027,739	11/28/19	53%	60%	In construction.
1521822	Plaza Substation - Circuit 456	09/18/15	933,000	933,000	6,356	1,136,291	(203,291)	10/31/19	122%	95%	Completed, pending as-builts.
1523553	Wood Streets Streetlights Phase 2	02/13/17	2,300,000	2,300,000	-	2,122,524	177,476	01/31/19	92%	95%	Completed, pending as-builts.
1708708	Plaza Sub 4/12kV Conversion Circuit 441	08/12/19	2,038,000	2,038,000	4,207	58,609	1,979,391	10/31/19	3%	0%	Design Complete, Pending construction
1708710	Plaza Substation - Circuit 458	04/09/18	1,170,000	1,170,000	-	665,196	504,804	06/17/19	57%	95%	Completed, pending as-builts.
1808449	Plaza Substation - Circuit 448	07/09/18	973,000	973,000	471	539,015	433,985	10/31/19	55%	90%	In construction.
1808451	Plaza Substation - Circuit 443	03/29/18	415,000	415,000	26,357	390,912	24,088	10/31/19	94%	95%	Completed, pending as-builts.
<b>Subtotal of OVERHEAD</b>				<b>16,440,905</b>	<b>203,620</b>	<b>9,676,525</b>	<b>6,764,380</b>				

**UNDERGROUND**

1409723	Canyon Crest Area 1E	11/06/15	1,175,000	1,175,000	-	1,032,476	142,524	02/08/18	88%	95%	Completed, pending closure (litigation resolved)
1505212	Canyon Crest Area 1F (Phase 2)	01/28/19	1,430,000	1,430,000	20,563	1,374,708	55,292	10/31/19	96%	95%	Completed, pending as-builts.
1713398	Canyon Crest Area 1F (Phase 1)	01/08/18	739,000	739,000	-	743,429	(4,429)	03/21/19	101%	100%	Completed, pending as-builts.
1724058	Canyon Crest Area 2 Cable Rejuvenation Project	03/25/19	746,000	746,000	280,829	362,557	383,443	11/14/19	49%	95%	Pending as-built and final payment
1833153	Conduit and Structure Installation for the Cable Replacement Project	09/23/19	740,000	740,000	165	26,382	713,618	12/12/19	4%	0%	Pending Board approval on 9/23/19
1903658	Electrical Engineering Design Services for Pole/Vault Placement and Reconductor Project	11/25/19	435,000	435,000	-	-	435,000	09/10/19	0%	1%	Board approved 11/25/19
<b>Subtotal of UNDERGROUND</b>				<b>5,265,000</b>	<b>301,558</b>	<b>3,539,552</b>	<b>1,725,448</b>				

**SUBSTATION**

1407577	Metal Gate Replacement	04/09/18	337,699	337,699	4,765	39,075	298,624	11/28/19	12%	5%	In design
1601400	Springs, Freeman and Mt. View	07/25/16	5,530,000	5,530,000	442,060	5,453,672	76,328	09/19/19	99%	99%	Construction Completed-pending as-builts
1603079	Springs & Orangecrest Equip. Replacement Proj.	02/19/16	1,700,000	1,700,000	35,122	1,494,681	205,319	11/28/19	88%	60%	In construction
1808341	Substation Utility Storage Facility	06/11/18	407,385	407,385	39,426	242,240	165,145	10/28/19	59%	5%	In design

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									% Spent	% Completed	
1814007	Substation Capacitor Upgrade Project	01/22/18	5,306,000	5,306,000	413,975	4,440,061	865,939	12/10/19	84%	15%	Completed construction of 2 capacitors
1816163	Substation Automation Upgrade Project	02/26/18	2,027,679	2,027,679	79,822	1,210,983	816,696	11/28/19	60%	40%	7 substations are in design - RERC Design Completed, Casa, Plaza & University Constructions are completed
1822052	Harvey Lynn Substation Site Expansion	10/22/18	2,100,000	2,100,000	4,748	1,654,435	445,565	12/09/19	79%	60%	PO's will be issues next month to contractors.
1826061	Riverside power plants Arc Flash Mitigation	06/11/18	497,000	497,000	3,415	20,908	476,092	10/17/19	4%	3%	In design
1826998	Multi-Substation Circuit Breaker Remote Racking Project	11/26/18	619,000	619,000	17,715	476,469	142,531	11/14/19	77%	99%	Construction complete pending as-built
1826767	Hunter Substation Replacement Project	01/14/19	2,000,000	2,000,000	306,865	496,350	1,503,650	12/09/19	25%	10%	Preliminary design
1816638	Freeman Substation & Mt. View Substation	05/14/18	4,202,827	4,202,827	321,730	3,999,218	203,609	11/28/19	95%	95%	Construction completed-pending as-builts and standards development
1822318	Multi Substation Transformer Upgrade/ Recondition	06/25/18	3,082,617	3,082,617	53,601	2,666,743	415,874	11/28/19	87%	90%	In construction
1810532	Freeman Switchgear and Transformer Upgrade	11/05/18	5,463,000	5,463,000	389,287	475,591	4,987,409	12/09/19	9%	3%	Completed 80% of phase 1 design
1906356	Multi Substation - 69kV Circuit Breakers Replacement	09/23/19	3,500,000	3,500,000	38,546	64,271	3,435,729	11/28/19	2%	1%	Planning stage. Design Consultant has been selected and award is pending on a future Board Meeting.
1927285	La Colina Switchgear 3&4 Replacement Project	06/10/19	480,000	480,000	6,597	11,095	468,905	09/23/19	2%	0%	Board approved WO
1927495	Plaza & Riverside Line Relay Replacement Project	06/10/19	492,000	492,000	102,353	102,353	389,647	11/28/19	21%	0%	Board approved WO
1910518	Substation Protection Support for Multiple Substations, with Stantec Consulting Services Inc.	11/25/19	480,000	480,000	-	8,732	471,268	09/23/19	2%	1%	Board approved 11/25/19
<b>Subtotal of SUBSTATION</b>				<b>38,225,207</b>	<b>2,260,029</b>	<b>22,856,877</b>	<b>15,368,330</b>				

**RECURRING/OBLIGATION TO SERVE**

070016 / 07	Tract 29596 Krameria Ave <sup>(4)</sup>	07/20/07	500,000	500,000	-	468,292	31,708	03/13/14	94%	95%	In construction.
1024305	Electric SCADA System Upgrades	06/27/16	2,938,307	2,938,307	-	2,737,329	200,978	08/10/16	93%	99%	Completed, pending closure.
1309568	Distribution Automation Program	01/18/13	960,000	960,000	76	685,936	274,064	09/30/19	71%	65%	In construction.
1423748	Freeman Substation to Orangecrest Substation	10/22/18	1,265,000	1,265,000	249,459	479,936	785,064	12/12/19	38%	1%	In design phase
1503115	Freeman-Kaiser-Harvey Lynn	12/18/15	300,000	300,000	-	226,521	73,479	12/27/18	76%	50%	Drilling contractor meeting w/crews, pending start date
1518525	Jurupa Avenue - New Tract 28987	11/06/15	320,000	320,000	10,509	24,249	295,751	11/28/19	8%	0%	On-hold.
1524282	Land Mobile Radio (LMR) system (Electric Portion)	09/26/16	3,000,000	1,650,000	68,377	1,761,329	(111,329)	10/28/19	107%	95%	Completed, pending closure.

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					Total as of	Total as of			(Based on Proj. Est.)		
					12/31/2019	12/31/2019			% Spent	% Completed	
1611216	Citywide Streetlight L.E.D. Conversion	07/25/16	1,150,000	1,150,000	-	713,470	436,530	11/28/19	62%	70%	In design.
1709454	12 kV Electrical Feeders for the California Air Resources Board Project	01/14/19	757,000	757,000	481,875	720,943	36,057	12/12/19	95%	1%	Design completed, In construction
1711020	Fiber Management System and Professional Services Project	08/26/19	650,000	650,000	2,203	31,073	618,927	11/28/19	5%	5%	Board approved 8/26/19, pending PO
1719921	Magnolia Avenue Fiber Installation	04/24/17	2,189,489	2,189,489	53,146	2,089,807	99,682	12/10/19	95%	85%	Completed, pending as-builts.
1722321	Norte Vista Sidwalk Improvements Project	02/12/18	888,000	888,000	81,306	748,039	139,961	11/22/19	84%	80%	In construction.
1725687	Wells-Arlanza Sidwalk Improvements Project	01/08/18	460,000	460,000	-	418,894	41,106	06/01/19	91%	95%	In construction.
1819765	Canyon Crest Areas 3 and 4 for Cable Rejuvenation	07/22/19	1,479,000	1,479,000	51,405	83,770	1,395,230	12/10/19	6%	0%	Board approved 7/22/19, pending PO
1822537	Smart Grid Communication System Project	07/22/19	459,000	459,000	3,587	28,694	430,306	11/28/19	6%	5%	Board approved. In the process of issuing PO to consultant.
1917203	Auto Center Reliablity Project	04/22/19	250,000	250,000	105,905	141,736	108,264	10/31/19	57%	12%	Board approved. On hold
1807494	Magnolia Ave Street Improvememts Project from Buchanan St to Banbury Dr	12/09/19	382,000	382,000	-	7,288	374,712	11/14/19	2%	1%	Board approved 12/09/19
1816079	Magnolia Ave Street Improvememts Project from Buchanan St to Banbury Dr	12/09/19	378,000	378,000	-	33,861	344,139	11/14/19	9%	1%	Board approved 12/09/19
1826227	Magnolia Ave Street Improvememts Project from Buchanan St to Banbury Dr	12/09/19	602,000	602,000	-	10,983	591,017		2%	1%	Board approved 12/09/19
Subtotal of RECURRING/OBLIGATION TO SERVE				17,577,796	1,107,849	11,412,150	6,165,646				
System Automation											
1707248	Advanced Metering Infrastructure - Electric	06/12/17	8,678,650	8,678,650	228,177	465,782	8,212,868	08/26/19	5%	10%	Planning stage of project; preparing for Alpha proof-of-concept
1619634	Operational Data Management System - Electric	05/09/16	4,907,000	2,474,500	26,641	2,510,050	(35,550)	10/28/19	101%	70%	Seeking approval to extend consultant contract for project years 4 & 5 for additional integration and development
1911437	Citywide Geographic Information System Tech. Upgrade Project	12/10/18	1,206,521	480,000	-	-	480,000	11/07/18	0%	1%	Board approval 12/10/18
1914017	Cyber Security Upgrade Project RERC and Springs	03/25/19	220,024	220,024	-	179,491	40,533	06/17/19	82%	10%	Board approved 4/25. Equipment on hand.
1916742	Phase 1 LED Conversion	06/24/19	8,560,000	8,560,000	-	280	8,559,720	02/27/19	0%	0%	Waiting Special Provisions,Draft from Benya
1718078	Streetlight Replacement Proj- Phase 3	07/22/19	1,849,000	1,849,000	5,877	105,566	1,743,434	11/14/19	6%	50%	Board approved 7/22 Pending Council approval on 8/6
Subtotal of SYSTEM AUTOMATION				22,262,174	260,695	3,261,169	19,001,005				
OTHER PROJECT											
1104202	CIS Replacement	06/01/12	9,200,000	8,859,000	-	8,735,806	123,194	06/24/19	99%	95%	Completed, pending closure.
Subtotal of OTHER PROJECT				8,859,000	-	8,735,806	123,194				

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					Total as of 12/31/2019	Total as of 12/31/2019			% Spent	% Completed	

**RTRP**

050009/01	Riverside Transmission Reliability Project (RTRP) (6)	01/20/06	71,605,521	71,605,521	1,245,629	36,729,178	34,876,343	12/16/19	51%	15%	In design.
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**Subtotal of RTRP**

<b>71,605,521</b>	<b>1,245,629</b>	<b>36,729,178</b>	<b>34,876,343</b>
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**GRAND TOTAL ELECTRIC FUND - Open Work Orders**

<b>180,235,603</b>	<b>5,379,380</b>	<b>96,211,257</b>	<b>84,024,346</b>
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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.
  - (4) Work includes both WO 0704432 & 0704434
  - (5) Work includes both WO 809099 & 0809101
  - (6) Work includes WO 642975, WO 2006768 & WO 2001119.
- WO 2006768 has a Board Approval 11-25-19 with Estimate of 4,109,600 (which is within the amount of 71,605,521)
- WO 2001119 has a Board Approval 08-26-19 with Estimate of 585,000 (which is within the amount of 71,605,521)
- Items in **BLUE** represent work orders with no activity in the last 60 days.