

#### RIVERSIDE PUBLIC UTILITIES

Board Memorandum

**BOARD OF PUBLIC UTILITIES** 

**DATE:** JANUARY 14, 2019

**GENERAL MANAGER'S REPORT** 

ITEM NO:

### **Riverside Public Utilities**

# Open Work Orders Greater than \$200,000

As of November 30, 2018

# Riverside Public Utilities Open Capital Work Order Summary Report - Electric Fund November-18

Project /		Board	Board		Year to Date Total	Life to Date Total	Available	Last		b Status on Proj. Est.)		
Subproject or WO	Project Description	Approval Date	Approved Estimate <sup>(1)</sup>	Project Estimate <sup>(2)</sup>	as of 11/30/2018	as of 11/30/2018	Balance	Activity Date	% Spent	% Completed	Project Status	
Open Work O	rders/Projects with Budgeted or Actual expenditures > \$20	0,000										
Advanced 7	Technology											
1619634	Operational Data Management System - Electric	05/09/16	4,907,000	2,474,500	76,510	2,276,075	198,425	09/26/18	92%	70%	In implementation phase.	
1707248	Advanced Metering Infrastructure - Electric	06/12/17	3,000,000	790,000	-	-	790,000	09/11/18	0%	2%	Developing business case.	
DTDD and (	CTD Drainet	Subtotal		3,264,500	76,510	2,276,075	988,425					
	STP Project							/	/	4=04		
642975	Riverside Transmission Reliability Project (RTRP)	10/17/14	42,605,521	42,605,521	333,742	28,696,352	13,909,169	11/26/18	67%	15%	In design.  Completed, pending as-builts.	
0812940	Sub-Transmission Project (STP) (3)	11/06/09 Subtotal	24,000,000	24,000,000 66,605,521	333,742	18,312,636 47,008,988	5,687,364 19,596,533	05/31/18	76%	99%	Completed, pending as-builts.	
Major Tract	Distribution	Subtotal		00,003,321	333,742	47,000,300	19,390,333					
1518525	Jurupa Avenue - New Tract 28987	11/06/15	320,000	320,000	-	13,740	306,260	06/01/16	4%	0%	On-hold.	
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.	
Neighborh	ood Streetlight Retrofit	Subtotal		820,000	-	482,032	337,968					
•	_	00/40/47	2 200 000	2 200 000	4.040	2.445.204	404 700	10/10/10	000/	050/	Completed panding as builts	
1523553	Wood Streets Streetlights Phase 2	02/13/17 <b>Subtotal</b>	2,300,000	2,300,000 <b>2,300,000</b>	1,013 <b>1,013</b>	2,115,291 <b>2,115,291</b>	184,709 <b>184,709</b>	10/18/18	92%	95%	Completed, pending as-builts.	
Major Trans	smission Line Projects			_,000,000	1,010	_,::0,_0:	101,100				Equipment purchased, pending start	
1503115	Freeman-Kaiser-Harvey Lynn	12/18/15	300,000	300,000	45,250	225,252	74,748	11/02/18	75%	50%	Equipment purchased, pending start date	
		Subtotal		300,000	45,250	225,252	74,748					
1409723	Canyon Crest Area Circuit 1215  Conduit and Cable Replacement for Canyon Crest	11/06/15	1,175,000	1,175,000	-	1,032,476	142,524	02/08/18	88%	95%	In Litigation	
1319813	Area Circuit 1218	04/10/17	967,000	967,000	8,991	744,224	222,776	11/15/18	77%	100%	Completed, pending closure.	
1713398	Canyon Crest Area 1F	01/08/18	739,000	739,000	57,485	676,950	62,050	11/15/18	92%	50%	In construction.	
CIS Banner	Linarada	Subtotal		2,881,000	66,476	2,453,650	427,350					
	CIS Replacement	00/04/40	0.000.000	0.050.000	204 204	0.004.004	007.000	44/00/40	070/	050/	Completed pending cleaure	
1104202	оз керіасетіеті	06/01/12 <b>Subtotal</b>	9,200,000	8,859,000 <b>8,859,000</b>	201,804 <b>201,804</b>	8,621,301 <b>8,621,301</b>	237,699 <b>237,699</b>	11/08/18	97%	95%	Completed, pending closure.	
City-Wide C	Communciations Network	Cubiciai	,	0,000,000	201,004	0,021,001	201,000					
1423750	Riverside Substation to Hunter Substation	04/24/17	465,000	465,000	153,520	418,676	46,324	11/01/18	90%	95%	Completed, pending closure.	
1423748	Freeman Substation to Orangecrest Substation	10/22/18	1,265,000	1,265,000	27,842	41,325	1,223,675	11/15/18	3%	1%	In design phase	
1524282	Land Mobile Radio (LMR) system (Electric Portion)	09/26/16	3,000,000	1,650,000	-	1,687,154	(37,154)	07/01/18	102%	95%	Completed, pending closure.	
1719921	Magnolia Avenue	04/24/17	2,189,489	2,189,489	376,911	1,811,334	378,155	11/16/18	83%	85%	Completed, pending as-builts.	
Dietributie	Automation Polishility	Subtotal		5,569,489	558,272	3,958,489	1,611,000					
	n Automation Reliability	0.11.01.5	200 200	222		202 27-	070.000	10/01/15	<b>-</b> 40'	0501		
1309568	Distribution Automation Program	01/18/13 <b>Subtotal</b>	960,000	960,000 <b>960,000</b>	<u> </u>	683,070 <b>683,070</b>	276,930 <b>276,930</b>	10/01/18	71%	65%	In construction.	
		Jubiolai		300,000	-	000,070	210,330					

# Riverside Public Utilities Open Capital Work Order Summary Report - Electric Fund November-18

Project /					Year to Date	Life to Date	<u> </u>			b Status	
Subproject	Project Description	Board	Board	<b>.</b>	Total	Total	Available	Last		on Proj. Est.)	Project Status
or WO		Approval Date	Approved Estimate <sup>(1)</sup>	Project Estimate <sup>(2)</sup>	as of 11/30/2018	as of 11/30/2018	Balance	Activity Date	% Spent	% Completed	
						-				-	
GO 165 Up	grades/Relocations										Project completed, pending final
Various	GO-165 Pole Replacements - Citywide	09/25/17	1,125,000	1,125,000	-	827,556	297,444	Various	74%	100%	billing
Various	GO-165 Pole Replacements - Citywide	08/27/18	2,227,000	2,227,000	-	-	2,227,000	Various	0%	0%	Pending start date/notice to proceed
Major 4/12I	(v Conversions	Subtotal	-	3,352,000	-	827,556	2,524,444				
1319390	Magnolia - Overhead Conversion	09/19/14	1,577,100	1,577,100	_	2,018,710	(441,610)	09/20/18	128%	95%	In construction.
1411795	Magnolia - Underground Conversion	04/02/15	2,250,000	2,250,000	11,961	1,691,160	558,840	09/20/18	75%	95%	In construction.
1521820	Plaza Substation - Circuit 452	09/18/15	1,446,000	1,446,000	-	1,267,741	178,259	04/05/18	88%	90%	In construction.
1521822	Plaza Substation - Circuit 456	09/18/15	933,000	933,000	446,261	694,516	238,484	11/30/18	74%	28%	In construction.
1708710	Plaza Substation - Circuit 458	04/09/18	1,170,000	1,170,000	390,718	601,165	568,835	09/07/18	51%	5%	In construction.
1808449	Plaza Substation - Circuit 448	07/09/18	973,000	973,000	196,737	227,980	745,020	11/29/18	23%	3%	Pending start date
1808451	Plaza Substation - Circuit 443	03/29/18	415,000	415,000	177,552	250,635	164,365	11/21/18	60%	20%	In construction.
		Subtotal		8,764,100	1,223,229	6,751,907	2,012,193				
Major Over	head/Underground Conversions										
0913192	Tyler Street Widening	08/07/15	816,000	816,000	-	973,503	(157,503)	12/01/17	119%	95%	Completed, pending as-builts.
Maior Street	st Light Drainata	Subtotal	-	816,000	-	973,503	(157,503)				
•	et Light Projects										
1611216	Citywide Streetlight L.E.D. Conversion	07/25/16	1,150,000	1,150,000	24,320	516,802	633,198	11/27/18	45%	60%	In design.
1722321	Norte Vista Sidwalk Improvements Project	02/12/18	888,000	888,000	264,767	344,786	543,214	11/20/18	39%	15%	In construction.
1725687	Wells-Arlanza Sidewalk Improvements Project	01/08/18 <b>Subtotal</b>	460,000	460,000 <b>2,498,000</b>	286,277 <b>575,364</b>	363,523 <b>1,225,111</b>	96,477	11/08/18	79%	65%	In construction.
SCADA		Subtotal	-	2,490,000	373,304	1,223,111	1,272,889				
1024305	Electric SCADA System Upgrades	07/01/11	2,938,307	2,938,307	-	2,737,329	200,978	08/10/16	93%	99%	Completed, pending closure.
Cub station	Due and Harrades	Subtotal	-	2,938,307	-	2,737,329	200,978				
	Bus and Upgrades	00/04/44	4 005 005	4 005 005		4 040 000	0.400	05/04/40	4000/	000/	Completed, pending as-builts.
1311245	Orangecrest, Riverside, Springs & La Colina	03/21/14	1,925,805	1,925,805	-	1,919,696	6,109	05/31/18	100%	99%	
1407577	Metal Gate Replacement	04/09/18	337,699	337,699	3,606	20,983	316,716	11/15/18	6%	5%	In design On-hold.
1411145	La Colina Switchgear 3 & 4	03/21/14	534,051	534,051	-	345,983	188,068	06/13/18	65%	90%	
1507210	RERC Control Power Improvement	10/23/17	272,000	272,000	920	221,254	50,746	10/04/18	77%	88%	Pending procuring add'l equipment
1601400	Springs, Freeman and Mt. View	07/25/16	5,530,000	5,530,000	157,835	4,608,412	921,588	11/26/18	83%	85%	In construction
1603079	Springs & Orangecrest	02/19/16	1,700,000	1,700,000	78,174	1,353,062	346,938	11/15/18	80%	60%	Construction in progress
1808341	Substation Utility Storage Facility	06/11/18	407,385	407,385	39,588	51,814	355,571	10/17/18	13%	5%	In design Construction completed - pending
1812830	Nine (9) Substation Battery Chargers Upgrade Proj.	02/12/18	384,000	384,000	161,704	327,925	56,075	11/16/18	85%	55%	asbuilts. Completed construction of 2
1814007	Substation Capacitor Upgrade Project	01/22/18	5,306,000	5,306,000	1,090,574	1,740,330	3,565,670	11/26/18	33%	15%	capacitors

### Riverside Public Utilities Open Capital Work Order Summary Report - Electric Fund November-18

					Year to Date	Life to Date			Job	Status	
Project / Subproject	Project Description	Board	Board		Total	Total	Available	Last	(Based	on Proj. Est.)	Project Status
or WO	i reject zecomption	Approval	Approved	Project	as of	as of	Balance	Activity	% Snort	%	•
		Date	Estimate <sup>(1)</sup>	Estimate (2)	11/30/2018	11/30/2018		Date	Spent	Completed	
1816163	Substation Automation Upgrade Project	02/26/18	2,027,679	2,027,679	144,188	819,088	1,208,591	11/16/18	40%	30%	10 substations are in design - Casa Construction is complete
1817274	Vista Substation	02/26/18	836,175	836,175	-	782,757	53,418	04/13/18	94%	15%	Construction is completed. In the process of closing the wo. PO's will be issues next month to
1822052	Harvey Lynn Substation Site Expansion	10/22/18	2,100,000	2,100,000	17,174	62,559	2,037,441	11/15/18	3%	10%	contractors.
1826061	Riverside power plants Arc Flash Mitigatino Multi-Substation Circuit Breaker Remote Racking	06/11/18	497,000	497,000	943	1,090	495,910	11/15/18	0%	3%	In design Board approved. In the process of
1826998	Project	11/26/18	619,000	619,000	5,983	14,399	604,601	11/01/18	2%	2%	issuing a PO.
		Subtotal		22,476,794	1,700,690	12,269,352	10,207,442				
Substation	Transformer Addition		-				_				
1816638	Freeman Substation & Mt. View Substation	05/14/18	4,202,827	4,202,827	56,145	87,649	4,115,178	11/15/18	2%	1%	In procurement phase. Pending signing agreement with
1822318	Multi Substation Transformer Upgrade/ Recondition	06/25/18	3,082,617	3,082,617	29,943	31,934	3,050,683	11/15/18	1%	1%	contractor Board approved. Completed 80% of
1810532	Freeman Switchgear and Transformer Upgrade	11/05/18	5,463,000	5,463,000	4,183	51,931	5,411,069	10/04/18	1%	1%	phase 1 design
		Subtotal	-	12,748,444	90,270	171,514	12,576,930				
Total Electric	c Fund - Open Work Orders		-	145,153,155	4,872,621	92,780,420	52,372,735				

#### 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) WO 0812940 is part of Project 050009 which was approved by Board for \$24,000,000. Project 050009 includes various sub-work orders closed in prior years.
- (4) Work includes both WO 0704432 & 0704434
- (5) Work includes both WO 809099 & 0809101

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

## Riverside Public Utilities Open Capital Work Order Summary Report - Water Fund November-18

Drainst /					Year to Date	Life to Date			Job Status			
Project / Subproject	Project Description	Board	Board .	_	Total	Total		Last		n Proj. Est.)	Project Status	
or WO		Approval Date	Approved Estimate <sup>(1)</sup>	Project Estimate <sup>(2)</sup>	as of 11/30/2018	as of 11/30/2018	Available Balance	Activity Date	% Spent	% Completed		
<u> </u>			Lottinato	Lotinato		1110012010		2 4 4 5	- Openi	Гостросов		
Open Work C	orders/Projects with Budgeted or Actual expenditures > \$200,0											
Advanced	Technology											
1619634	Operational Data Management System - Water	05/09/16	4,907,000	1,332,500	41,198	1,243,101	89,399	10/25/18	93%	70%	In implementation phase.	
1707248	Advanced Metering Infrastructure - Water	06/12/17	3,000,000	460,000	-	-	460,000	11/14/18	0%	2%	Developing business case.	
System Ex	nansion	Subtotal	-	1,792,500	41,198	1,243,101	549,399					
System Ex	parision											
1615173	Water Cust. Development - 58 Magnolia Ctr.	(3)	(3)	237,767	-	262,912	(25,145)	03/31/18	111%	90%	Completed, pending as-builts/mapping	
1726679	Iowa Ave 12-inch Water Main Extension	09/24/18	353,000	353,000	207,698	251,944	101,056	11/16/18	71%	0%	Pending start date	
1905091	Iowa Ave 12-inch Water Main Extension	09/24/18	269,000	269,000	69,565	69,565	199,435	08/23/18	26%	0%	Pending start date	
Transmissi	ion Moine	Subtotal	-	859,767	277,263	584,421	275,346					
Hansiniss	ion mains											
1612632	Magnolia Ave Techite Pipe Replacement Project	07/09/18	7,335,000	7,335,000	1,805,495	2,216,359	5,118,641	11/30/18	30%	10%	In construction.	
1903811	Iowa Avenue Transmission Main Replacement	10/22/18	2,140,000	2,140,000	48,623	48,623	2,091,377	08/16/18	<b>2</b> %	0%	Pending start date	
Aquifer Sta	orage & Recovery System	Subtotal	-	9,475,000	1,854,118	2,264,982	7,210,018					
•	Riverside North Aquifer Storage & Recovery	10/07/11	1,800,000	1,800,000		447,714	1,352,286	07/01/17	25%	10%	In environmental evaluation phase.	
1202000	Triverside North Aquiler Otorage & Recovery	Subtotal	1,000,000	1,800,000		447,714	1,352,286	07701717	23 /6	10 /6	in chivinonimental evaluation phase.	
Developme	ent Costs		-	1,000,000		,	,,					
1504840	Santa Ana River Habitat Conservation	09/05/14	325,000	325,000	-	134,256	190,744	09/30/14	41%	25%	In biological evaluation phase.	
		Subtotal	-	325,000	-	134,256	190,744					
Facility Re	habilitation											
1508449	Palmyrita Well	11/07/14	215,000	215,000	-	8,932	206,068	11/16/17	4%	5%	On-hold.	
1524282	Land Mobile Radio (LMR) system (Wtr Portion)	09/26/16	3,000,000	1,350,000	-	1,283,051	66,949	07/01/18	95%	95%	Completed, pending commisioning.	
1727999	Pressure Reducing Station Replacement	07/09/18	599,000	599,000	2,323	20,285	578,715	09/20/18	3%	0%	Pending start date.	
1827140	Cooley J Groundwater Well	09/24/18	811,000	811,000	15,991	22,755	788,245	11/15/18	3%	0%	Construction starts 11/15/18	

### Riverside Public Utilities Open Capital Work Order Summary Report - Water Fund November-18

Project /	Dunings December	Board	Board		Year to Date	Life to Date Total		Last		Status on Proj. Est.)	Project Status	
Subproject or WO	Project Description		Approved Estimate <sup>(1)</sup>	Project Estimate <sup>(2)</sup>	as of 11/30/2018	as of 11/30/2018	Available Balance	Activity Date	% Spent	% Completed	Project Status	
									•			
1902331	Stiles Groundwater Well	09/24/18	327,000	327,000	8,022	8,022	318,978	07/18/18	2%	0%	Construction starts 11/15/18	
1902332	Garner 5 Groundwater Well	09/24/18	355,000	355,000	8,141	8,141	346,859	07/18/18	2%	0%	Construction starts 11/15/18	
		Subtotal		3,657,000	34,477	1,351,186	2,305,814					
Main Repla	acements											
1507007	Jasmine and Columbus	10/03/14	679,000	679,000	-	47,267	631,733	05/31/18	<b>7</b> %	0%	On-hold.	
1602941	Larchwood Place	10/16/15	895,000	895,000	-	477,602	417,398	03/31/18	53%	100%	Completed, pending closure.	
		Subtotal	<u>-</u>	1,574,000	-	524,869	1,049,131	,				
Recycled \	Water Facilities											
1521905	Jackson Street - Phase 1	11/27/17	9,039,000	8,839,000	1,124,392	8,521,592	317,408	11/08/18	96%	55%	In construction.	
1722078	Jackson St - Phase 1 & 2 Water Sites Retrofit	04/24/17	434,370	434,370	49,430	147,782	286,588	11/15/18	34%	18%	In construction.	
		Subtotal		9,273,370	1,173,822	8,669,374	603,996					
Utility Agre	eement Projects - Caltrans SR-91 HOV											
1112062	UA 21699 - Misc. Utility Relocations	11/19/10	1,555,000	1,555,000	-	486,936	1,068,064	06/07/18	31%	99%	Completed, pending closure.	
1112059	UA 21702 - Ivy St Bridge	08/19/11	1,600,000	1,600,000	8,180	1,377,103	222,897	10/04/18	86%	99%	Completed, pending closure.	
		Subtotal	-	3,155,000	8,180	1,864,039	1,290,961					
Total Water	Fund - Open Work Orders		-	31,911,637	3,389,057	17,083,942	14,827,695					

#### NOTE:

- (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 Water portion only.
- (3) 100% Customer funded project

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



#### RIVERSIDE PUBLIC UTILITIES

#### Board Memorandum

**BOARD OF PUBLIC UTILITIES** 

**DATE:** JANUARY 14, 2019

**GENERAL MANAGER'S REPORT** 

**ITEM NO:** 

### **Riverside Public Utilities**

### **Closed Work Order Reports**

As of November 30, 2018

### Riverside Public Utilities Closed Capital Work Order Summary Report - Electric Fund November-18

Project / Subproject or WO	Project Description	Start Date	End Date	Board Approved Estimate	Fina Proje Cos	ct	Varian	ice	% Variance			
CLOSED Capital Work Orders with Budget or Actual Expenditures > \$200,000												
	Please note: No Closed Electric Work Orders over \$200,000 to report for the month of November 2018.											
Total Electri	c Fund - Closed Work Orders			\$ -	\$	_	\$	_				

#### Riverside Public Utilities Closed Capital Work Order Summary Report - Water Fund November-18

Project / Subproject or WO	Project Description	Start Date	End Date	Board Approved Estimate	Final Project Cost	\	/ariance	% Variance
CLOSED Cap	ital Work Orders with Budget or Actual expenditures > \$2	200,000						
	Main Replacements							
1415931	California and Monroe Main Replacement	12/12/2014	9/27/2018	\$ 973,500	\$ 937,897	\$	35,603	3.66%
	1) Note on Final Project Cost:							
	The project was completed within the estimated cost.							
	2) Impact to Customer Service:							
	The project enhances delivery of water service to the commo	unity.						
	3) Impact to System Reliability:							
	The project improved system reliability by eliminating unexpe	ected water leaks	S.					

**Total Water Fund - Closed Work Orders** 

\$ 973,500 \$ 937,897 \$ 35,603