

RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JANUARY 8, 2018

GENERAL MANAGER'S REPORT

ITEM NO: 14

Riverside Public Utilities

Open Work Orders Greater than \$200,000

As of November 30, 2017

Riverside Public Utilities Open Capital Work Order Summary Report - Electric Fund November 2017

Project /		Beand	Board		Year to Date	Life to Date Total	Available	Last		Status on Proj. Est.)	
Subproject or WO	Project Description	Board Approval Date	Approved Estimate ⁽⁷⁾	Project Estimate	Total as of 11/30/2017	as of 11/30/2017	Balance	Activity Date	% Spent	% Completed	Project Status
Open Work C	orders/Projects with Budgeted or Actual expenditures > \$200	0,000									
Advanced	Technology ⁽³⁾										
1619634	Operational Data Management System - Electric	05/09/16	3,189,500	3,189,500	90,637	1,958,187	1,231,313	10/25/17	61%	65%	In implementation phase.
1707248	Advanced Metering Infrastructure - Electric	06/12/17	3,000,000	1,890,000	-	-	1,890,000	09/23/16	0%	2%	Developing business case.
		Subtotal	-	5,079,500	90,637	1,958,187	3,121,313				
Cable Repl	acement										
1409723	Canyon Crest Area Circuit 1215	11/06/15	1,175,000	1,175,000	4,014	1,032,315	142,685	11/02/17	88%	95%	As-builts in progress.
1319813	Canyon Crest Area Circuit 1218	04/10/17	967,000	967,000	(291)	310,779	656,221	11/17/17	32%	80%	In construction.
CIS Banne	r Upgrade	Subtotal	-	2,142,000	3,723	1,343,094	798,906				
1104202	CIS Replacement	06/01/12	8,859,000	8,859,000	62,775	8,304,998	554,002	11/30/16	94%	95%	Completed, pending closure.
	•	Subtotal		8,859,000	62,775	8,304,998	554,002				
City-Wide	Communciations Network		-								
1719921	Magnolia Avenue	04/24/17	2,189,489	2,189,489	30,958	58,791	2,130,698	11/16/17	3%	15%	In construction.
1524282	Land Mobile Radio (LMR) system (Electric Portion)	09/26/16	3,000,000	1,650,000	117,599	1,685,773	(35,773)	11/16/17	102%	95%	Completed, pending closure.
1423750	Riverside Substation to Hunter Substation	04/24/17	465,000	465,000	26,048	56,858	408,142	11/16/17	12%	15%	In construction.
		Subtotal	<u>-</u>	4,304,489	174,605	1,801,422	2,503,067				
Distributio	n Automation Reliability										
1309568	Distribution Automation Program	01/18/13	960,000	960,000	2,530	682,539	277,461	10/18/17	71%	65%	In construction.
GO 165 Up	grades/Relocations	Subtotal	-	960,000	2,530	682,539	277,461				
Various	GO-165 Pole Replacements - Citywide	09/25/17	1,125,000	1,125,000	443	43,200	1,081,800	07/27/17	4%	0%	Pending start date.
1804337	Four (4) Electrical Vaults & Manholes	09/25/17	557,000	557,000	2,046	2,046	554,954	10/27/17	0%	0%	Pending start date.
1722605	OH & UG Electric Dist. System Inspections	06/26/17	2,844,000	2,388,000	_	_	2,388,000	03/08/17	0%	0%	Pending start date.
			_								

Riverside Public Utilities Open Capital Work Order Summary Report - Electric Fund November 2017

					Year to Date	Life to Date			Job	Status	
Project / Subproject	Project Description	Board	Board		Total	Total	Available	Last	(Based o	on Proj. Est.)	Project Status
or WO	1.0,000 2000.,p.10	Approval Date	Approved Estimate ⁽⁷⁾	Project Estimate	as of 11/30/2017	as of 11/30/2017	Balance	Activity Date	% Spent	% Completed	
			Lotimato								L
Major 4/12	(v Conversions										
1521822	Plaza Substation - Circuit 456	09/18/15	933,000	933,000	-	131,926	801,074	06/01/17	14%	25%	In construction.
1521820	Plaza Substation - Circuit 452	09/18/15	1,446,000	1,446,000	351,081	1,020,327	425,673	11/29/17	71%	65%	In construction.
1503125	Magnolia Substation - Circuit 46	04/17/15	1,833,000	1,833,000	331,873	1,933,518	(100,518)	11/29/17	105%	90%	In construction.
1501824	Plaza Substation - Circuit 454	09/18/15	1,349,000	1,349,000	41	1,367,001	(18,001)	11/02/17	101%	100%	Completed, pending closure.
1411795	Magnolia - Underground Conversion	04/02/15	2,250,000	2,250,000	27,349	1,661,677	588,323	11/16/17	74%	90%	In construction.
1319390	Magnolia - Overhead Conversion	09/19/14	1,577,100	1,577,100	145	1,786,623	(209,523)	11/29/17	113%	95%	In construction.
Major Feed	oro	Subtotal	-	9,388,100	710,489	7,901,072	1,487,028				
wajor reed	ers										
		Subtotal	-	-	-	-	-				
Major Over	head/Underground Conversions										
1604758	7105 Old Frontage 215 Rd	(2)	(2)	208,182	1,462	190,406	17,776	09/21/17	91%	100%	Completed, pending closure.
0913192	Tyler Street Widening	08/07/15	816,000	816,000	69	871,777	(55,777)	11/02/17	107%	95%	Completed, pending as-builts.
Major Stree	et Light Projects	Subtotal	-	1,024,182	1,531	1,062,183	(38,001)				
1611216	Citywide Streetlight L.E.D. Conversion	07/25/16	1,150,000	1,150,000	22,696	224,693	925,307	11/02/17	20%	20%	In design.
1518574	Tyler Street Widening Project	08/07/15	141,000	141,000	248	233,643	(92,643)	11/02/17	85%	95%	Completed, pending as-builts.
1316374	Tyler Street Widerling Froject	Subtotal	141,000 _	1,291,000	22,944	458,336	832,664	11/02/17	03%	95%	Completed, pending as-builts.
Major Trac	Distribution		-		•	•	•				
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 ⁽⁴⁾	07/20/07	500,000	500,000	-	468,292	31,708	03/13/14	94%	95%	In construction.
070016 / 02	Tract 29515 Phase 2 & Sewer Lift Station ⁽⁵⁾	11/16/07	345,000	345,000	41	344,460	540	11/02/17	100%	95%	Completed, pending as-builts.
Major Tran	smission Line Projects	Subtotal	-	1,165,000	41	826,492	338,508				
1503115	Freeman-Kaiser-Harvey Lynn	12/18/15	300,000	300,000	3,226	179,055	120,945	10/19/17	60%	50%	Pending start date.
		Subtotal	_	300,000	3,226	179,055	120,945				
Neighborh	ood Streetlight Retrofit										
1523553	Wood Streets Streetlights Phase 2	02/13/17	2,300,000	2,300,000	1,148,196	1,633,697	666,303	11/16/17	71%	95%	Completed, pending as-builts.
080022 / 01	Wood Streets Streetlights Phase I ⁽⁶⁾	10/18/13	1,909,600	1,909,600	55	1,791,715	117,885	11/02/17	94%	95%	Completed, pending as-builts.
		Subtotal	-	4,209,600	1,148,251	3,425,412	784,188				

Riverside Public Utilities Open Capital Work Order Summary Report - Electric Fund November 2017

Project /					Year to Date	Life to Date				Status	
Subproject	Project Description	Board	Board		Total	Total	Available	Last		on Proj. Est.)	Project Status
or WO		Approval Date	Approved Estimate ⁽⁷⁾	Project Estimate	as of 11/30/2017	as of 11/30/2017	Balance	Activity Date	% Spent	% Completed	
PTPP and	STP Project										
KIKF allu	•										
642975	230 KV Station	03/05/15	42,605,521	42,605,521	461,789	26,520,530	16,084,991	11/29/17	62%	15%	In design.
812940	69 KV Station ⁽¹⁾	11/06/09	24,000,000	24,096,844	6,252	18,312,620	5,784,224	11/28/17	76%	99%	Completed, pending as-builts.
		Subtotal		66,702,365	468,041	44,833,150	21,869,215				
SCADA											
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.
0.1.4.4	D III Iv	Subtotal	-	2,938,307	-	2,737,329	200,978				
Substation	Bus and Upgrades										
1603079	Springs & Orangecrest	02/19/16	1,700,000	1,700,000	473	1,120,097	579,903	07/27/17	66%	60%	Pending construction.
1601400	Springs, Freeman and Mt. View	07/25/16	5,530,000	5,530,000	51,889	2,832,408	2,697,592	11/16/17	51%	45%	In construction.
1507210	RERC Control Power Improvement	10/23/17	272,000	272,000	4,243	22,729	249,271	11/02/17	8%	0%	In procurement phase.
1311245	Orangecrest, Riverside, Springs & La Colina	03/21/14	1,925,805	1,925,805	(117,646)	1,853,973	71,832	11/16/17	96%	85%	In construction.
1411145	La Colina Switchgear 3 & 4	03/21/14	534,051	534,051	188,212	260,734	273,317	09/22/17	49%	25%	On-hold.
1020992	La Colina & Hunter	05/03/13	649,885	649,885	-	457,843	192,042	06/01/16	70%	90%	On-hold.
		Subtotal		10,611,741	127,171	6,547,784	4,063,957				
Substation	Transformer Addition										
1619571	Plaza Substation	10/24/16	460,000	460,000	21,436	450,224	9,776	11/16/17	98%	95%	Completed, pending as-builts.
1514752	Mobile Substation #3	05/23/16	2,198,993	2,198,993	36,219	1,890,528	308,465	11/02/17	86%	95%	In commissioning phase.
		Subtotal		2,658,993	57,655	2,340,752	318,241				
SCE Conde	emnation Costs										
1704094	Annexation 95 & 99 areas	10/24/16	444,000	444,000	-	-	444,000	No activity	0%	0%	On-hold.
		Subtotal		444,000	-	-	444,000				
Total Electri	c Fund - Open Work Orders			126,148,277	2,876,108	84,447,052	41,701,225				
	•		:	· ·				•			

Notes:

- (1) This work is part of Project 050009 & included within the \$24,000,000 authorized by PU Board and includes various work orders closed in prior years.
- (2) 100% customer funded project
- (3) Advanced Technology projects includes both capital expenditures and professional services.
- (4) Work includes both WO 0704432 & 0704434
- (5) Work includes both WO 0702819 & 0702820
- (6) Work includes both WO 809099 & 0809101
- (7) Board approved estimate is the total amount of the work order which can include operating & maintenance costs as well as combined Electric & Water projects.

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 2017

					Year to Date	Life to Date			Job	Status	
Project / Subproject	Project Description	Board	Board		Total	Total		Last	•	on Proj. Est.)	Project Status
or WO		Approval Date	Approved Estimate ⁽²⁾	Project Estimate	as of 11/30/2017	as of 11/30/2017	Available Balance	Activity Date	% Spent	% Completed	
Open Work	Orders/Projects with Budgeted or Actual expenditures >	\$200,000									
Advanced	Technology ⁽¹⁾										
1707248	Advanced Metering Infrastructure - Water	06/12/17	3,000,000	1,110,000	-	-	1,110,000	09/23/16	0%	2%	Developing business case.
1619634	Operational Data Management System - Water	05/09/16	4,907,000	1,717,500	48,805	1,025,194	692,306	05/09/16	60%	65%	In implementation phase.
Accet Mai	nagement System	Subtotal		2,827,500	48,805	1,025,194	1,802,306	-			
	Water Asset Management	06/20/14	2,530,400	2,048,689	40,381	2,181,349	(132,660)	11/16/17	106%	98%	In monitor & control phase.
2 .0.0		Subtotal	2,000,100	2,048,689	40,381	2,181,349	(132,660)		10070	0070	
Aquifer St	orage & Recovery System							•			
1202806	Riverside North Aquifer Storage & Recovery	10/07/11	1,800,000	1,800,000	23,133	447,714	1,352,286	07/01/17	25%	10%	In environmental evaluation phase.
Developm	ent Costs	Subtotal		1,800,000	23,133	447,714	1,352,286	-			
•	Santa Ana River Habitat Conservation	09/05/14	325,000	325,000	_	134,256	190,744	06/30/17	41%	25%	In biological evaluation phase.
		Subtotal	,,,,,,,	325,000	-	134,256	190,744				
Facility Re	ehabilitation										
1806866	John W. North Treatment Plant Trains 1,2,3	10/23/17	530,000	530,000	-	-	530,000	No Activity	0%	0%	Pending replacement, 03/2018
1806142	Garner C Groundwater Well	11/27/17	361,000	361,000	5,965	5,965	355,035	11/12/17	2%	0%	Pending start date.
1806141	Warren 1 Groundwater Well	11/27/17	346,000	346,000	5,563	5,563	340,437	11/13/17	2%	0%	Pending start date.
1806140	Gage 66-1 Groundwater Well	11/27/17	381,000	381,000	5,515	5,515	375,485	11/14/17	1%	0%	Pending start date.
1806139	Gage 92-1 Groundwater Well	11/27/17	413,000	413,000	5,465	5,465	407,535	11/15/17	1%	0%	Pending start date.
1727627	John W. North Treatment Plant Trains 4,5	07/10/17	368,000	368,000	13,618	13,618	354,382	11/16/17	4%	90%	In construction.
1712678	Flume 3 Groundwater Well	02/13/17	255,672	255,672	(26,166)	110,173	145,499	10/19/17	43%	100%	Completed, pending closure.
1712677	Gage 92-3 Groundwater Well	02/13/17	264,626	264,626	2,481	12,865	251,761	11/16/17	5%	0%	On-hold.
1712676	Tippecanoe Groundwater Well	02/13/17	301,454	301,454	29,683	225,545	75,909	11/16/17	75%	100%	Completed, pending closure.
1712675	Raub 6 Groundwater Well	02/13/17	297,582	297,582	35,849	47,706	249,876	10/05/17	16%	40%	In construction.
1712389	Raub 7 Groundwater Well	02/13/17	267,288	267,288	27,216	191,870	75,418	10/19/17	72%	100%	Completed, pending closure.
1727342	Gage 51-1 Groundwater Well	11/27/17	337,000	337,000	5,565	6,802	330,198	11/02/17	2%	0%	Pending start date.
1524282	Land Mobile Radio (LMR) system (Wtr Portion)	09/26/16	3,000,000	1,350,000	-	1,283,051	66,949	08/10/17	95%	95%	Completed, pending commisioning.
1508449	Palmyrita Well	11/07/14	215,000	215,000	1,492	8,536	206,464	11/16/17	4%	5%	On-hold.
		Subtotal		5,687,622	112,246	1,922,674	3,764,948	_			

Riverside Public Utilities Open Capital Work Order Summary Report - Water Fund November 2017

					Year to Date	Life to Date			Job	Status		
Project / Subproject	Project Description	Board	Board		Total	Total		Last	•	on Proj. Est.)	Project Status	
or WO		Approval Date	Approved Estimate ⁽²⁾	Project Estimate	as of 11/30/2017	as of 11/30/2017	Available Balance	Activity Date	% Spent	% Completed		
Į									-	<u> </u>		
Main Repl	acements											
1619730	Tenth and Eleventh Street	08/22/16	2,245,000	2,245,000	360,676	1,854,540	390,460	11/29/17	83%	100%	Completed, pending closure.	
1602941	Larchwood Place	10/16/15	895,000	865,000	3,967	477,422	387,578	09/07/17	55 %	100%	Completed, pending closure.	
1515609	Arlington Ave. & Western Ave.	06/06/16	1,241,000	1,241,000	82,916	1,004,542	236,458	11/29/17	81%	100%	Completed, pending closure.	
1515505	Ambs Drive	06/06/16	1,523,000	1,523,000	11,390	1,110,120	412,880	09/21/17	73 %	100%	Completed, pending closure.	
1515504	Arroyo Drive	11/14/16	2,040,000	2,040,000	240,472	1,824,198	215,802	11/16/17	89%	100%	Completed, pending closure.	
1513392	Colorado Ave and Toyon Road	05/22/17	2,978,000	2,978,000	1,081,425	1,271,914	1,706,086	11/16/17	43%	50%	In construction.	
1507007	Jasmine and Columbus	10/03/14	679,000	679,000	-	-	679,000	No Activity	0%	0%	On-hold.	
1422097	Indiana Avenue and Mary St.	07/10/17	2,017,000	2,017,000	517,011	628,128	1,388,872	11/21/17	31%	50%	In construction.	
1415931	California and Monroe	12/12/14	973,500	973,500	-	820,305	153,195	06/01/17	84%	95%	On-hold. In litigation.	
1107917	Magnolia Ave and Ramona Dr	04/10/17	2,704,000	2,704,000	1,813,136	2,200,326	503,674	11/28/17	81%	90%	In construction.	
Danielad	Water Facilities	Subtotal		17,265,500	4,110,993	11,191,495	6,074,005					
Recyclea	Water Facilities											
1722078	Jackson Street - Phase 1 & 2 Water Sites Retrofit	04/24/17	434,730	434,730	23,979	33,942	400,788	09/26/17	8%	10%	In construction.	
1623724	Jackson Street - Phase 1B (Utility Potholing/Design)	10/23/17	433,000	433,000	29,101	75,841	357,159	11/16/17	18%	15%	In construction.	
1521905	Jackson Street - Phase 1	01/22/16	9,039,000	8,839,000	1,921,321	2,459,851	6,379,149	11/28/17	28%	25%	In construction.	
Sustan F	va analan	Subtotal		9,706,730	1,974,401	2,569,634	7,137,096	<u>.</u>				
System E	xpansion											
1703061	Crestlawn-Norco	11/14/16	1,339,000	1,339,000	84,312	1,190,532	148,468	11/16/17	89%	100%	Completed, pending closure.	
1615173	Water Cust. Development - 58 Magnolia Ctr.	(3)	(3)	237,767	243,750	243,750	(5,983)	11/16/17	103%	90%	Pending pavement completion.	
I Itility A av	eement Projects - Caltrans SR-91 HOV	Subtotal		1,576,767	328,062	1,434,282	142,485					
, ,	•											
1112062	UA 21699 - Misc. Utility Relocations	11/18/11	1,555,000	1,555,000	(35,311)	454,206	1,100,794	09/27/17	29%	99%	Completed, pending closure.	
1112059	UA 21702 - Ivy St Bridge	08/19/11	1,600,000	1,600,000	(26,413)	1,333,551	266,449	09/27/17	83%	99%	Completed, pending closure.	
		Subtotal		3,155,000	(61,725)	1,787,757	1,367,243					
Total Wate	r Fund - Open Work Orders			44,392,808	6,576,296	22,694,355	21,698,453	•				

NOTE:

- (1) Advanced Technology projects includes both capital expenditures and professional services.
- (2) Board approved estimate is the total amount of the work order which can include operating & maintenance costs as well as combined Electric & Water projects.
- (3) 100% Customer funded project

Riverside Public Utilities Open Capital Work Order Summary Report - Water Fund November 2017

					Year to Date	Life to Date			Job	Status	
Project / Subproject	Project Description	Board	Board		Total	Total		Last	(Based o	n Proj. Est.)	Project Status
or WO		Approval	Approved	Project	as of	as of	Available	Activity	%	%	
		Date	Estimate ⁽²⁾	Estimate	11/30/2017	11/30/2017	Balance	Date	Spent	Completed	

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 8, 2018

GENERAL MANAGER'S REPORT

ITEM NO: 14

Riverside Public Utilities

Closed Work Order Reports

As of November 30, 2017

Riverside Public Utilities Closed Capital Work Order Summary Report - Electric Fund November 2017

	November 2017	7									
Project Description	Start Date	End Date	Board Approved Estimate	Final Project Cost	Variance	% Variance					
oital Work Orders with Budget or Actual expenditures >	\$200,000										
Substation Bus and Upgrades											
Electric Security Monitoring and Access Control	09/16/2011	08/29/2017	\$ 5,000,000	\$ 5,120,158	\$ (120,158)	-2.40%					
1) Note on Final Project Cost:											
Final project costs slightly over estimate due to increase in	n scope of work and	associated	increase in equip	oment costs.							
2) Impact to Customer Service:											
Decrease in copper theft and vandalism of other critical equipment provides savings which can be aplied to area reliability improvements.											
3) Impact to System Reliability:											
Overall system relibility enhanced as a result of decrease	d outages caused by	y copper the	ft and vandalism	of other critical e	equipment.						
City-Wide Communications Network											
•											
Fiber Use License Agreement - Riverside County	01/22/2016	09/12/2017	\$ 325,000	\$ 340,484	\$ (15,484)	-4.76%					
1) Note on Final Project Cost:											
Final project costs are slightly over estimates due to an in	Final project costs are slightly over estimates due to an increased scope of work, of which the County of Riverside reimbursed the utility \$302,246.										
2) Impact to Customer Service:											
Enhances utilization of the City's fiber system and increases fiber revenue.											
Elinances utilization of the City's fiber system and increas	oco fiber revenue.										
	Substation Bus and Upgrades Electric Security Monitoring and Access Control 1) Note on Final Project Cost: Final project costs slightly over estimate due to increase in 2) Impact to Customer Service: Decrease in copper theft and vandalism of other critical end and system reliability: Overall system reliability enhanced as a result of decrease City-Wide Communications Network Fiber Use License Agreement - Riverside County 1) Note on Final Project Cost: Final project costs are slightly over estimates due to an in 2) Impact to Customer Service:	Project Description Start Date Sital Work Orders with Budget or Actual expenditures > \$200,000 Substation Bus and Upgrades Electric Security Monitoring and Access Control 09/16/2011 1) Note on Final Project Cost: Final project costs slightly over estimate due to increase in scope of work and 2) Impact to Customer Service: Decrease in copper theft and vandalism of other critical equipment provides so 3) Impact to System Reliability: Overall system reliability enhanced as a result of decreased outages caused by City-Wide Communications Network Fiber Use License Agreement - Riverside County 01/22/2016 1) Note on Final Project Cost: Final project costs are slightly over estimates due to an increased scope of we 2) Impact to Customer Service:	Substation Bus and Upgrades Electric Security Monitoring and Access Control 09/16/2011 08/29/2017 1) Note on Final Project Cost: Final project costs slightly over estimate due to increase in scope of work and associated 2) Impact to Customer Service: Decrease in copper theft and vandalism of other critical equipment provides savings which 3) Impact to System Reliability: Overall system relibility enhanced as a result of decreased outages caused by copper their City-Wide Communications Network Fiber Use License Agreement - Riverside County 01/22/2016 09/12/2017 1) Note on Final Project Cost: Final project costs are slightly over estimates due to an increased scope of work, of which 2) Impact to Customer Service:	Project Description Start Date End Date Board Approved Estimate Sital Work Orders with Budget or Actual expenditures > \$200,000 Substation Bus and Upgrades Electric Security Monitoring and Access Control 1) Note on Final Project Cost: Final project costs slightly over estimate due to increase in scope of work and associated increase in equil 2) Impact to Customer Service: Decrease in copper theft and vandalism of other critical equipment provides savings which can be aplied to 3) Impact to System Reliability: Overall system relibility enhanced as a result of decreased outages caused by copper theft and vandalism City-Wide Communications Network Fiber Use License Agreement - Riverside County 1) Note on Final Project Cost: Final project costs are slightly over estimates due to an increased scope of work, of which the County of R 2) Impact to Customer Service:	Project Description Start Date End Date End Date Board Approved Estimate Cost Start Date End Date End Date End Date Board Approved Estimate Cost Start Date End Date End Date End Date End Date End Date End Date Estimate Start Date End Date End Date End Date Estimate End Date Estimate Start Date End Date End Date Estimate End Date Estimate Start Date End Date End Date Estimate End Date Estimate Start Date End Date End Date Estimate Start Date Estimate Start Date End Date Estimate Start Date Estimate Sta	Project Description Start Date End Date End Date End Date Estimate Project Cost Variance Variance Natical Work Orders with Budget or Actual expenditures > \$200,000 Substation Bus and Upgrades Electric Security Monitoring and Access Control 09/16/2011 08/29/2017 \$5,000,000 \$5,120,158 \$(120,158) 1) Note on Final Project Cost: Final project costs slightly over estimate due to increase in scope of work and associated increase in equipment costs. 2) Impact to Customer Service: Decrease in copper theft and vandalism of other critical equipment provides savings which can be aplied to area reliability improvements. 3) Impact to System Reliability: Overall system relibility enhanced as a result of decreased outages caused by copper theft and vandalism of other critical equipment. City-Wide Communications Network Fiber Use License Agreement - Riverside County 01/22/2016 09/12/2017 \$325,000 \$340,484 \$(15,484) 1) Note on Final Project Cost: Final project costs are slightly over estimates due to an increased scope of work, of which the County of Riverside reimbursed the utility \$302,200,200,200,200,200,200,200,200,200,					

Additional fiber routes provide more reliable and faster communications.

Riverside Public Utilities Closed Capital Work Order Summary Report - Electric Fund November 2017

Project / Subproject or WO	Project Description	Start Date End Date	Board Approved e Estimate	Final Project Cost	Variance	% Variance
CLOSED Cap	oital Work Orders with Budget or Actual expenditure	es > \$200,000				
	Major Feeders					
1525536	Diana Avenue - Feeder Extension	01/22/2016 10/19/20	17 \$ 850,000	\$ 800,637	\$ 49,363	5.81%
	1) Note on Final Project Cost:					
	Final project costs are slightly below estimates due to	engineering and electric constru	ction efficiencies.			
	2) Impact to Customer Service:					
	Improved reliability as a result of new cable, equipme	ent, circuit ties and additional elect	ric capacity are pro	vided by this new	feeder backbon	Э.
	3) Impact to System Reliability:					
	The installation of the electric infrastructure improved	system reliability by providing ea	sier access and imp	proved operation	and safety.	

 \$ 6,175,000
 \$ 6,261,279
 \$ (86,279)

Total Electric Fund - Closed Work Orders

Riverside Public Utilities Closed Capital Work Order Summary Report - Water Fund November 2017

Project / Subproject or WO	Project Description	Start Date	End Date	Board Approved Estimate	Final Project Cost	Variance	% Variance
	rk Orders with Budget or Actual expenditur						<u>,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,</u>
	e note: No Closed Water Work Orders over \$20 ort for the month of November 2017.	00,000					
Total Water Fund - C	Closed Work Orders		-	\$ -	\$ -	<u> </u>	