



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JUNE 25, 2018

GENERAL MANAGER'S REPORT

ITEM NO: 21

Riverside Public Utilities

Open Work Orders Greater than \$200,000

As of May 31, 2018

Riverside Public Utilities
Open Capital Work Order Summary Report - Electric Fund
May 2018

Project / Subproject or WO	Project Description	Board Approval Date	Board Approved Estimate ⁽⁶⁾	Project Estimate	Year to Date	Life to Date	Available Balance	Last Activity Date	Job Status		Project Status
					Total as of 5/31/2018	Total as of 5/31/2018			(Based on Proj. Est.)		
									% Spent	% Completed	

Open Work Orders/Projects with Budgeted or Actual expenditures > \$200,000

Advanced Technology⁽²⁾

1619634	Operational Data Management System - Electric	05/09/16	4,907,000	2,474,500	224,468	2,117,213	357,287	03/19/18	86%	70%	In implementation phase.
1707248	Advanced Metering Infrastructure - Electric	06/12/17	3,000,000	790,000	-	-	790,000	09/23/16	0%	2%	Developing business case.
Subtotal				3,264,500	224,468	2,117,213	1,147,287				

Cable Replacement

1713398	Canyon Crest Area 1F	01/08/18	739,000	739,000	38,541	47,433	691,567	05/03/18	6%	0%	Pending start date.
1409723	Canyon Crest Area Circuit 1215	11/06/15	1,175,000	1,175,000	4,175	1,032,476	142,524	02/08/18	88%	95%	As-builts in progress.
1319813	Canyon Crest Area Circuit 1218	04/10/17	967,000	967,000	318,442	734,567	232,433	03/31/18	76%	80%	In construction.
Subtotal				2,881,000	361,158	1,814,476	1,066,524				

CIS Banner Upgrade

1104202	CIS Replacement	06/01/12	8,859,000	8,859,000	171,168	8,413,392	445,608	11/30/16	95%	95%	Completed, pending closure.
Subtotal				8,859,000	171,168	8,413,392	445,608				

City-Wide Communciations Network

1719921	Magnolia Avenue	04/24/17	2,189,489	2,189,489	697,436	727,318	1,462,171	05/07/18	33%	20%	In construction.
1524282	Land Mobile Radio (LMR) system (Electric Portion)	09/26/16	3,000,000	1,650,000	118,980	1,687,154	(37,154)	05/03/18	102%	95%	Completed, pending closure.
1423750	Riverside Substation to Hunter Substation	04/24/17	465,000	465,000	216,339	247,387	217,613	05/03/18	53%	15%	In construction.
Subtotal				4,304,489	1,032,755	2,661,859	1,642,630				

Distribution Automation Reliability

1309568	Distribution Automation Program	01/18/13	960,000	960,000	2,674	682,683	277,317	03/01/18	71%	65%	In construction.
Subtotal				960,000	2,674	682,683	277,317				

GO 165 Upgrades/Relocations

Various	GO-165 Pole Replacements - Citywide	09/25/17	1,125,000	1,125,000	-	127,242	997,758	Various	11%	3%	Project start date 02/1/18.
1804337	Four (4) Electrical Vaults & Manholes	09/25/17	557,000	557,000	33,695	33,695	523,305	04/19/18	6%	0%	In construction.
Subtotal				1,682,000	33,695	160,937	1,521,063				

Major 4/12Kv Conversions

1521822	Plaza Substation - Circuit 456	09/18/15	933,000	933,000	7,145	146,924	786,076	05/22/18	16%	25%	In construction.
1521820	Plaza Substation - Circuit 452	09/18/15	1,446,000	1,446,000	598,495	1,267,741	178,259	04/05/18	88%	75%	In construction.
1503125	Magnolia Substation - Circuit 46	04/17/15	1,833,000	1,833,000	523,056	2,140,881	(307,881)	05/18/18	117%	95%	In construction.
1501824	Plaza Substation - Circuit 454	09/18/15	1,349,000	1,349,000	96	1,367,056	(18,056)	03/01/18	101%	100%	Completed, pending closure.
1411795	Magnolia - Underground Conversion	04/02/15	2,250,000	2,250,000	44,871	1,679,199	570,801	03/01/18	75%	90%	In construction.
1319390	Magnolia - Overhead Conversion	09/19/14	1,577,100	1,577,100	60,238	1,846,716	(269,616)	05/03/18	117%	95%	In construction.
1808451	Plaza Substation - Circuit 443	03/29/18	415,000	415,000	29,321	29,321	385,679	04/19/18	7%	7%	In construction.
1708710	Plaza Substation - Circuit 458	04/09/18	1,170,000	1,170,000	55,296	55,570	1,114,430	05/03/18	5%	5%	In construction.

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					Total as of 5/31/2018	Total as of 5/31/2018			(Based on Proj. Est.)	% Spent	
Subtotal				10,973,100	1,318,519	8,533,408	2,439,692				
Major Overhead/Underground Conversions											
0913192	Tyler Street Widening	08/07/15	816,000	816,000	101,795	973,503	(157,503)	12/01/17	119%	95%	Completed, pending as-builts.
Subtotal				816,000	101,795	973,503	(157,503)				
Major Street Light Projects											
1725687	Wells-Arlanza Sidewalk Improvements Project	01/08/18	460,000	460,000	3,132	6,807	453,193	05/03/18	1%	0%	Pending start date.
1722321	Norte Vista Sidwalk Improvements Project	02/12/18	888,000	888,000	7,443	27,467	860,533	05/21/18	3%	0%	Pending start date
1611216	Citywide Streetlight L.E.D. Conversion	07/25/16	1,150,000	1,150,000	165,244	367,241	782,759	05/03/08	32%	44%	In design.
Subtotal				2,498,000	175,819	401,515	2,096,485				
Major Tract 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 ⁽³⁾	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 ⁽⁴⁾	11/16/07	345,000	345,000	96	344,515	485	11/02/17	100%	95%	Completed, pending as-builts.
Subtotal				1,165,000	96	826,547	338,453				
Major Transmission Line Projects											
1503115	Freeman-Kaiser-Harvey Lynn	12/18/15	300,000	300,000	4,712	180,002	119,998	03/27/18	60%	50%	Pending start date ⁽⁷⁾
Subtotal				300,000	4,712	180,002	119,998				
Neighborhood Streetlight Retrofit											
1523553	Wood Streets Streetlights Phase 2	02/13/17	2,300,000	2,300,000	1,627,609	2,113,110	186,890	04/05/18	92%	95%	Completed, pending as-builts.
080022 / 01	Wood Streets Streetlights Phase I ⁽⁵⁾	11/30/17	1,909,600	1,909,600	715	1,792,375	117,225	03/22/18	94%	95%	Completed, pending as-builts.
Subtotal				4,209,600	1,628,324	3,905,485	304,115				
RTRP and STP Project											
642975	Riverside Transmission Reliability Project (RTRP) ⁽¹⁾	02/08/18	44,105,521	44,105,521	2,305,963	28,371,733	15,733,788	05/18/18	64%	15%	In design.
0812940	Sub-Transmission Project (STP) ⁽¹⁾	11/28/17	24,000,000	24,096,844	6,263	9,742,810	14,354,034	02/01/18	40%	99%	Completed, pending as-builts.
Subtotal				68,202,365	2,312,226	38,114,543	30,087,822				
SCADA											
1024305	Electric SCADA System Upgrades	08/10/16	2,938,307	2,938,307	-	2,737,329	200,978	08/10/16	93%	99%	Completed, pending closure.
Subtotal				2,938,307	-	2,737,329	200,978				
Substation Bus and Upgrades											
1814007	Substation Capacitor Upgrade Project	01/11/18	5,306,000	5,306,000	644,883	645,093	4,660,907	05/03/18	12%	0%	Pending start date.
1812830	Nine (9) Substation Battery Chargers Upgrade Proj.	02/08/18	384,000	384,000	30,644	30,644	353,356	04/05/18	8%	0%	In procurement phase.
1603079	Springs & Orangecrest	01/25/18	1,700,000	1,700,000	50,437	1,188,575	511,425	05/15/18	70%	60%	Pending construction.
1601400	Springs, Freeman and Mt. View	02/08/18	5,530,000	5,530,000	1,524,286	4,450,527	1,079,473	05/03/18	80%	45%	In construction.
1507210	RERC Control Power Improvement	02/08/18	272,000	272,000	190,752	210,373	61,627	05/21/18	77%	88%	In construction.
1311245	Orangecrest, Riverside,Springs & La Colina ⁽⁸⁾	02/08/18	1,925,805	1,925,805	(53,045)	1,918,574	7,231	04/19/18	100%	85%	In construction.
1411145	La Colina Switchgear 3 & 4 ⁽⁸⁾	02/12/18	534,051	534,051	211,253	323,058	210,993	02/12/18	60%	25%	On-hold.
1817274	Vista Substation	02/26/18	881,745	881,745	782,757	782,757	98,988	04/13/18	89%	10%	SCE issued Notice to Proceed
1816163	Substation Automation Upgrade Project	02/26/18	2,027,679	2,027,679	28,028	28,686	1,998,993	05/21/18	1%	2%	Indesign

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									% Spent	% Completed	
1407577	Metal Gate Replacement	04/09/18	337,699	337,699	2,395	17,377	320,322	03/27/18	5%	5%	Pending construction
Subtotal				18,898,979	3,412,391	9,595,664	9,303,315				
Substation Transformer Addition											
1816795	Hunter Substation Rebuild Project	01/11/18	630,000	587,000	3,386	3,386	583,614	04/18/18	1%	0%	In procurement phase.
1619571	Plaza Substation	11/30/17	460,000	460,000	24,742	453,530	6,470	11/30/17	99%	95%	Completed, pending as-builts.
1514752	Mobile Substation #3	02/01/18	2,198,993	2,198,993	337,853	2,173,241	25,752	05/19/18	99%	95%	In commissioning phase.
1816638	Freeman Substation & Mt. View Substation	05/14/18	4,202,827	4,202,827	26,620	27,094	4,175,733	05/03/18	1%	1%	In procurement phase.
Subtotal				7,448,820	392,601	2,657,251	4,791,569				
SCE Condemnation Costs											
1704094	Annexation 95 & 99 areas	12/29/17	444,000	444,000	443,792	443,792	208	12/29/17	100%	95%	Pending cutover to RPU system.
Subtotal				444,000	443,792	443,792	208				
Total Electric Fund - Open Work Orders				139,845,160	11,616,194	84,219,599	55,625,561				

Notes:

(1) RTRP Work Orders 642975 and 082940 (including related sub-work orders) roll up into Project 050009, Sub-Project 050009-01.
The total RTRP budget as approved by Council on 5-15-07 and 6-23-09 is \$106,245,000.
The total budget for RTRP Work Order 642975 (including various sub-work orders) as last approved by Board on 10-17-14 is \$42,605,521. RTRP costs are charged to SCE reimbursement Acct 470686 or to non-reimbursable Acct. .
The total budget for STP Work Order 082940 (including various sub-work orders) as last approved by Board on 11-6-09 is \$24,000,000. All STP costs are charged to non-reimbursable Acct. 470685.

(2) Advanced Technology projects includes both capital expenditures and professional services.

(3) Work includes both WO 0704432 & 0704434

(4) Work includes both WO 0702819 & 0702820

(5) Work includes both WO 809099 & 0809101

(6) Board approved estimate is the total amount of the work order which can include operating & maintenance costs as well as combined Electric & Water projects.

(7) Expenditures reflect equipment purchases such as poles and switches for the project.

(8) Reclass of prior period expenses between wo1311245 and 1411145

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
May 2018

Project / Subproject or WO	Project Description	Board Approval Date	Board Approved Estimate ⁽²⁾	Project Estimate	Year to Date	Life to Date	Available Balance	Last Activity Date	Job Status		Project Status
					Total as of 05/31/2018	Total as of 05/31/2018			(Based on Proj. Est.)		
									% 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	460,000	-	-	460,000	09/23/16	0%	2%	Developing business case.
1619634	Operational Data Management System - Water	05/09/16	4,907,000	1,332,500	167,604	1,143,994	188,506	05/09/16	86%	70%	In implementation phase.
	Subtotal			1,792,500	167,604	1,143,994	648,506				
Asset Management System											
1424073	Water Asset Management	06/20/14	2,530,400	2,048,689	255,070	2,396,038	(347,349)	03/14/18	117%	100%	Completed, pending closure.
	Subtotal			2,048,689	255,070	2,396,038	(347,349)				
Aquifer Storage & 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.
	Subtotal			1,800,000	23,133	447,714	1,352,286				
Development Costs											
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 Rehabilitation											
1806866	John W. North Treatment Plant Trains 1,2,3	10/23/17	530,000	530,000	507,922	507,922	22,078	04/30/18	96%	100%	Completed, pending closure.
1806142	Garner C Groundwater Well	11/27/17	361,000	361,000	24,672	24,672	336,328	04/30/18	7%	0%	Pending start date.
1806141	Warren 1 Groundwater Well	11/27/17	346,000	346,000	31,856	31,856	314,144	03/22/18	9%	0%	Project started 1/16/2018
1806140	Gage 66-1 Groundwater Well	11/27/17	381,000	381,000	29,254	29,254	351,746	04/30/18	8%	0%	Pending start date.
1806139	Gage 92-1 Groundwater Well	11/27/17	413,000	413,000	6,266	6,266	406,734	11/30/17	2%	0%	Pending start date.
1801849	Mockingbird Canyon Pump Station	01/08/18	203,000	203,000	172,176	172,176	30,824	04/30/18	85%	0%	Pending start date.
1727627	John W. North Treatment Plant Trains 4,5	07/10/17	368,000	368,000	369,828	369,828	(1,828)	04/30/18	100%	100%	Completed, pending closure.
1712678	Flume 3 Groundwater Well	02/13/17	255,672	255,672	15,200	151,539	104,133	04/30/18	59%	100%	Completed, pending closure.
1712677	Gage 92-3 Groundwater Well	02/13/17	264,626	264,626	188,966	199,349	65,277	03/07/18	75%	95%	Completed pending payment
1712676	Tippecanoe Groundwater Well	02/13/17	301,454	301,454	33,123	228,986	72,468	04/05/18	76%	100%	Completed, pending closure.
1712675	Raub 6 Groundwater Well	02/13/17	297,582	297,582	214,545	226,402	71,180	04/30/18	76%	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	533,028	534,265	(197,265)	05/10/18	159%	45%	Started April 25, expecting to be done by June
1524282	Land Mobile Radio (LMR) system (Wtr Portion)	09/26/16	3,000,000	1,350,000	-	1,283,051	66,949	10/20/16	95%	95%	Completed,pending commisioning.
1508449	Palmyrita Well	11/07/14	215,000	215,000	1,887	8,932	206,068	11/16/17	4%	5%	On-hold.

Riverside Public Utilities
Open Capital Work Order Summary Report - Water Fund
May 2018

Project / Subproject or WO	Project Description	Board Approval Date	Board Approved Estimate ⁽²⁾	Project Estimate	Year to Date	Life to Date	Available Balance	Last Activity Date	Job Status		Project Status
					Total as of 05/31/2018	Total as of 05/31/2018			(Based on Proj. Est.)		
									% Spent	% Completed	
Main Replacements				Subtotal	5,890,622	2,155,939	3,966,368	1,924,254			
1619730	Tenth and Eleventh Street	08/14/17	2,245,000	2,245,000	630,060	2,123,924	121,076	04/30/18	95%	100%	Completed, pending closure.
1602941	Larchwood Place	10/16/15	895,000	865,000	4,147	477,602	387,398	03/31/18	55%	100%	Completed, pending closure.
1513392	Colorado Ave and Toyon Road	05/22/17	2,978,000	2,978,000	2,421,688	2,612,177	365,823	04/30/18	88%	100%	Completed, pending closure.
1507007	Jasmine and Columbus	10/03/14	679,000	679,000	44,047	44,047	634,953	04/30/18	6%	0%	On-hold.
1422097	Indiana Avenue and Mary St.	07/10/17	2,017,000	2,017,000	1,680,279	1,791,396	225,604	04/26/18	89%	90%	In construction.
1415931	California and Monroe	12/12/14	973,500	973,500	-	820,305	153,195	05/04/17	84%	95%	On-hold. In litigation.
				Subtotal	9,757,500	4,780,222	7,869,451	1,888,049			
Meters											
1800797	Meter replacement throught the City of Riverside	01/22/18	263,600	263,600	178,973	178,973	84,627	04/30/18	68%	20%	In construction.
				Subtotal	263,600	178,973	178,973	84,627			
Recycled Water Facilities											
1722078	Jackson St - Phase 1 & 2 Water Sites Retrofit	04/24/17	434,730	434,730	49,624	59,587	375,143	04/04/18	14%	18%	In construction.
1623724	Jackson Street - Phase 1B (Utility Potholing/Design)	10/23/17	433,000	433,000	140,427	187,167	245,833	03/15/18	39%	50%	On Hold
1521905	Jackson Street - Phase 1	11/27/17	9,039,000	8,839,000	5,061,538	6,100,069	2,738,931	04/30/18	69%	55%	In construction.
				Subtotal	9,706,730	5,251,589	6,346,823	3,359,907			
System Expansion											
1615173	Water Cust. Development - 58 Magnolia Ctr.	(3)	(3)	237,767	262,912	262,912	(25,145)	03/31/18	111%	90%	Pending pavement completion.
				Subtotal	237,767	262,912	262,912	(25,145)			
Transmission Mains											
1612632	Utility Pothole Work - Magnolia Ave	02/26/18	5,700,000	5,700,000	368,648	388,637	5,311,363	04/30/18	7%	100%	Completed, pending closure.
				Subtotal	5,700,000	368,648	388,637	5,311,363			
Utility Agreement Projects - Caltrans SR-91 HOV											
1112062	UA 21699 - Misc. Utility Relocations	11/19/10	1,555,000	1,555,000	-	486,787	1,068,213	04/30/18	31%	99%	Completed, pending closure.
1112059	UA 21702 - Ivy St Bridge	08/19/11	1,600,000	1,600,000	-	1,333,551	266,449	09/27/17	83%	99%	Completed, pending closure.
				Subtotal	3,155,000	-	1,820,338	1,334,662			
Total Water Fund - Open Work Orders					40,677,408	13,444,091	24,955,504	15,721,904			

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.

Riverside Public Utilities
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									% Spent	% Completed	

(3) 100% Customer funded project

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



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

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DATE: JUNE 25, 2018

GENERAL MANAGER'S REPORT

ITEM NO: 21

Riverside Public Utilities

Closed Work Order Reports

As of May 31, 2018

Riverside Public Utilities
 Closed Capital Work Order Summary Report - Electric Fund
 May 2018

Project / Subproject or WO	Project Description	Start Date	End Date	Board Approved Estimate	Final Project Cost	Variance	% Variance
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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 May 2018.

Total Electric Fund - Closed Work Orders

\$ -	\$ -	\$ -
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 Closed Capital Work Order Summary Report - Water Fund
 May 2018

Project / Subproject or WO	Project Description	Start Date	End Date	Board Approved Estimate	Final Project Cost	Variance	% Variance
CLOSED Capital Work Orders with Budget or Actual expenditures > \$200,000							
Please note: No Closed Water Work Orders over \$200,000 to report for the month of May 2018.							
Total Water Fund - Closed Work Orders				<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	