



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JUNE 11, 2018

GENERAL MANAGER'S REPORT

ITEM NO: 28

Riverside Public Utilities

Open Work Orders Greater than \$200,000

As of April 30, 2018

Riverside Public Utilities
Open Capital Work Order Summary Report - Electric Fund
April 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 4/30/2018	Total as of 4/30/2018			(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	2,092,018	382,482	03/19/18	85%	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	2,092,018	1,172,482				

Cable Replacement

1713398	Canyon Crest Area 1F	01/08/18	739,000	739,000	36,389	41,498	697,502	04/30/18	6%	0%	Pending start date.
1409723	Canyon Crest Area Circuit 1215	11/06/15	1,175,000	1,175,000	4,175	1,032,426	142,574	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	359,006	1,808,491	1,072,509				

CIS Banner Upgrade

1104202	CIS Replacement	06/01/12	8,859,000	8,859,000	159,397	8,401,621	457,379	11/30/16	95%	95%	Completed, pending closure.
	Subtotal			8,859,000	159,397	8,401,621	457,379				

City-Wide Communciations Network

1719921	Magnolia Avenue	04/24/17	2,189,489	2,189,489	264,252	286,434	1,903,055	04/30/18	13%	20%	In construction.
1524282	Land Mobile Radio (LMR) system (Electric Portion)	09/26/16	3,000,000	1,650,000	118,567	1,686,741	(36,741)	04/30/18	102%	95%	Completed, pending closure.
1423750	Riverside Substation to Hunter Substation	04/24/17	465,000	465,000	215,690	217,972	247,028	04/30/18	47%	15%	In construction.
	Subtotal			4,304,489	598,509	2,191,147	2,113,342				

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	-	107,695	1,017,305	Various	10%	3%	Project start date 02/1/18.
1804337	Four (4) Electrical Vaults & Manholes	09/25/17	557,000	557,000	33,695	28,918	528,082	04/05/18	5%	0%	In construction.
	Subtotal			1,682,000	33,695	136,613	1,545,387				

Major 4/12Kv Conversions

1521822	Plaza Substation - Circuit 456	09/18/15	933,000	933,000	-	131,926	801,074	04/30/18	14%	25%	In construction.
1521820	Plaza Substation - Circuit 452	09/18/15	1,446,000	1,446,000	598,495	1,240,989	205,011	04/05/18	86%	75%	In construction.
1503125	Magnolia Substation - Circuit 46	04/17/15	1,833,000	1,833,000	499,205	2,074,551	(241,551)	04/30/18	113%	95%	In construction.
1501824	Plaza Substation - Circuit 454	09/18/15	1,349,000	1,349,000	96	1,367,056	(18,056)	04/05/18	101%	100%	Completed, pending closure.
1411795	Magnolia - Underground Conversion	04/02/15	2,250,000	2,250,000	44,871	1,673,506	576,494	03/01/18	74%	90%	In construction.
1319390	Magnolia - Overhead Conversion	09/19/14	1,577,100	1,577,100	60,238	1,844,453	(267,353)	02/24/18	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	54,963	54,963	1,115,037	04/30/18	5%	5%	In construction.

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 4/30/2018	Total as of 4/30/2018			(Based on Proj. Est.)		
									% Spent	% Completed	
Subtotal				10,973,100	1,287,190	8,416,765	2,556,335				
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	2,801	6,385	453,615	04/30/18	1%	0%	Pending start date.
1722321	Norte Vista Sidwalk Improvements Project	02/12/18	888,000	888,000	4,231	22,288	865,712	04/30/18	3%	0%	Pending start date
1611216	Citywide Streetlight L.E.D. Conversion	07/25/16	1,150,000	1,150,000	105,917	307,914	842,086	04/30/18	27%	44%	In design.
1518574	Tyler Street Widening Project	08/07/15	141,000	141,000	321	132,081	8,919	12/01/17	85%	95%	Completed, pending as-builts.
Subtotal				2,639,000	113,270	468,668	2,170,332				
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	179,672	120,328	03/27/18	60%	50%	Pending start date ⁽⁷⁾
Subtotal				300,000	4,712	179,672	120,328				
Neighborhood Streetlight Retrofit											
1523553	Wood Streets Streetlights Phase 2	02/13/17	2,300,000	2,300,000	1,627,609	2,112,868	187,132	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	1,792,223	117,377	03/22/18	94%	95%	Completed, pending as-builts.
Subtotal				4,209,600	1,628,324	3,905,091	304,509				
RTRP and STP Project											
642975	Riverside Transmission Reliability Project (RTRP) ⁽¹⁾	02/08/18	44,105,521	44,105,521	2,282,507	28,323,278	15,782,243	04/30/18	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	2,288,770	38,066,088	30,136,277				
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	644,774	644,774	4,661,226	04/30/18	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	25,009	1,144,157	555,843	04/30/18	67%	60%	Pending construction.
1601400	Springs, Freeman and Mt. View	02/08/18	5,530,000	5,530,000	1,523,163	4,292,733	1,237,267	04/30/18	78%	45%	In construction.
1507210	RERC Control Power Improvement	02/08/18	272,000	272,000	106,555	116,788	155,212	04/30/18	43%	0%	In procurement phase.
1311245	Orangecrest, Riverside,Springs & La Colina ⁽⁸⁾	02/08/18	1,925,805	1,925,805	(53,045)	1,914,312	11,493	04/19/18	99%	85%	In construction.
1411145	La Colina Switchgear 3 & 4 ⁽⁸⁾	02/12/18	534,051	534,051	211,253	283,776	250,275	02/12/18	53%	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

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
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									% Spent	% Completed	
1816163	Substation Automation Upgrade Project	02/26/18	2,027,679	2,027,679	16,756	16,756	2,010,923	04/30/18	1%	2%	Indesign
1407577	Metal Gate Replacement	04/09/18	337,699	337,699	2,395	17,267	320,432	03/27/18	5%	5%	Pending construction
Subtotal				18,898,979	3,290,262	9,243,964	9,655,015				
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	322,935	2,170,651	28,342	04/30/18	99%	95%	In commissioning phase.
1816638	Freeman Substation & Mt. View Substation	05/14/18	4,202,827	4,202,827	24,691	24,691	4,178,136	04/30/18	1%	1%	Pending Board Approval
Subtotal				7,448,820	375,754	2,652,258	4,796,562				
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				139,986,160	10,911,715	83,226,250	56,759,910				

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 470685.
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
April 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 04/30/2018	Total as of 04/30/2018			(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	457,166	457,166	72,834	04/30/18	86%	100%	Completed, pending closure.
1806142	Garner C Groundwater Well	11/27/17	361,000	361,000	18,463	18,463	342,537	04/30/18	5%	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	27,823	27,823	353,177	04/30/18	7%	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	169,096	169,096	33,904	04/30/18	83%	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	188,965	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	227,900	73,554	04/05/18	76%	100%	Completed, pending closure.
1712675	Raub 6 Groundwater Well	02/13/17	297,582	297,582	139,819	150,024	147,558	04/30/18	50%	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	390,038	391,275	(54,275)	05/10/18	116%	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
April 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 04/30/2018	Total as of 04/30/2018			(Based on Proj. Est.)		
									% Spent	% Completed	
Main Replacements				Subtotal	5,890,622	1,876,746	3,684,438	2,206,184			
1619730	Tenth and Eleventh Street	08/22/16	2,245,000	2,245,000	628,859	2,121,442	123,558	04/30/18	94%	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	2,410,561	2,577,469	400,531	04/30/18	87%	100%	Completed, pending closure.
1507007	Jasmine and Columbus	10/03/14	679,000	679,000	37,206	37,206	641,794	04/30/18	5%	0%	On-hold.
1422097	Indiana Avenue and Mary St.	07/10/17	2,017,000	2,017,000	1,680,279	1,763,987	253,013	04/26/18	87%	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.
1800797	Meter replacement throught the City of Riverside	01/22/18	263,600	263,600	105,125	92,072	171,528	04/30/18	35%	20%	In construction.
Recycled Water Facilities				Subtotal	10,021,100	4,866,177	7,890,083	2,131,017			
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	183,955	183,955	03/15/18	39%	100%	Completed, pending as-builts
1521905	Jackson Street - Phase 1	01/22/16	9,039,000	8,839,000	5,272,268	6,043,806	2,795,194	04/30/18	68%	55%	In construction.
System Expansion				Subtotal	9,706,730	5,462,319	6,287,348	3,354,292			
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	01/08/18	484,000	484,000	361,112	361,112	122,888	04/30/18	75%	0%	In construction.
				Subtotal	484,000	361,112	361,112	122,888			
Utility Agreement Projects - Caltrans SR-91 HOV											
1112062	UA 21699 - Misc. Utility Relocations	11/18/11	1,555,000	1,555,000	-	460,999	1,094,001	04/30/18	30%	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	-	1,794,550	1,360,450			
Total Water Fund - Open Work Orders					35,461,408	13,275,073	24,402,445	10,993,873			

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

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



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: JUNE 11, 2018

GENERAL MANAGER'S REPORT

ITEM NO: 28

Riverside Public Utilities

Closed Work Order Reports

As of April 30, 2018

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

Total Electric Fund - Closed Work Orders

\$ -	\$ -	\$ -
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Closed Capital Work Order Summary Report - Water Fund
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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 April 2018.							
Total Water Fund - Closed Work Orders				<u>\$ -</u>	<u>\$ -</u>	<u>\$ -</u>	