

RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: FEBRUARY 25, 2019 GENERAL MANAGER'S REPORT ITEM NO:

Riverside Public Utilities

Open Work Orders Greater than \$200,000

As of January 31, 2019

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

Project /					Year to Date	Life to Date			Jol	o Status		
Subproject	Project Description	Board Approval	Board Approved	Project	Total as of	Total as of	Available Balance	Last Activity	-	on Proj. Est.)	Project Status	
or WO		Date	Estimate ⁽¹⁾	Estimate ⁽²⁾	1/31/2019	1/31/2019	Dalance	Date	% Spent	% Completed		
	Open Work Orders/Projects with Budgeted or Actual expenditures > \$200,000											
-												
OVERHEAD											Project completed, pending final	
Various	GO-165 Pole Replacements - Citywide	09/25/17	1,125,000	1,125,000	-	832,583	292,417	Various	74%	100%	billing	
Various	GO-165 Pole Replacements - Citywide	08/27/18	2,227,000	2,227,000	-	132,742	2,094,258	Various	6%	0%	Pending start date/notice to proceed	
1523553	Wood Streets Streetlights Phase 2	02/13/17	2,300,000	2,300,000	8,246	2,122,524	177,476	12/19/18	92%	95%	Completed, pending as-builts.	
080022 / 01	Wood Streets Streetlights Phase I(5)	10/18/13	1,909,600	1,909,600	-	1,792,642	116,958	06/14/18	94%	95%	Completed, pending as-builts.	
1319390	Magnolia - Overhead Conversion	09/19/14	1,577,100	1,577,100	-	2,018,710	(441,610)	09/20/18	128%	95%	Pending closure	
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	549,105	797,360	135,640	12/04/18	85%	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	315,465	346,708	626,292	01/15/19	36%	27%	Pending start date	
1808451	Plaza Substation - Circuit 443	03/29/18	415,000	415,000	190,596	280,934	134,066	12/10/18	68%	64%	In construction.	
	Subtotal of OVERHEAD		-	14,075,700	1,454,130	10,193,109	3,882,591					
UNDERGRO	DUND											
1409723	Canyon Crest Area Circuit 1215	11/06/15	1,175,000	1,175,000	-	1,032,476	142,524	02/08/18	88%	95%	In Litigation	
1713398	Canyon Crest Area 1F	01/08/18	739,000	739,000	116,766	736,231	2,769	01/10/19	100%	50%	In construction.	
	Subtotal of UNDERGROUND		-	1,914,000	116,766	1,768,707	145,293					
SUBSTATIO	ON											
1407577	Metal Gate Replacement	04/09/18	337,699	337,699	5,143	22,884	314,815	11/29/18	7%	5%	In design	
1507210	RERC Control Power Improvement	10/23/17	272,000	272,000	44,691	265,024	6,976	01/17/19	97%	88%	Pending procuring add'l equipment	
1601400	Springs, Freeman and Mt. View	07/25/16	5,530,000	5,530,000	244,895	4,695,473	834,527	01/10/19	85%	85%	In construction	
1603079	Springs & Orangecrest Equip. Replacement Proj.	02/19/16	1,700,000	1,700,000	178,238	1,453,126	246,874	12/27/18	85%	60%	Construction in progress	
1808341	Substation Utility Storage Facility	06/11/18	407,385	407,385	56,786	69,012	338,373	01/15/19	17%	5%	In design	
1812830	Nine (9) Substation Battery Chargers Upgrade Proj.	02/12/18	384,000	384,000	187,340	353,561	30,439	01/10/19	92%	55%	Construction completed - pending asbuilts.	
1814007	Substation Capacitor Upgrade Project	01/22/18	5,306,000	5,306,000	1,883,175	2,532,931	2,773,069	01/18/19	48%	15%	Completed construction of 2 capacitors	
1816163	Substation Automation Upgrade Project	02/26/18	2,027,679	2,027,679	175,552	850,452	1,177,227	01/10/19	42%	30%	9 substations are in design - Unversity Design Completed,Casa Construction is complete	

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

Project /					Year to Date	Life to Date				Status	
Subproject	Project Description	Board	Board	Destant	Total	Total	Available	Last	-	on Proj. Est.)	Project Status
or WO		Approval Date	Approved Estimate ⁽¹⁾	Project Estimate ⁽²⁾	as of 1/31/2019	as of 1/31/2019	Balance	Activity Date	% Spent	% Completed	
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.
1822052	Harvey Lynn Substation Site Expansion	10/22/18	2,100,000	2,100,000	246,062	291,447	1,808,553	01/10/19	14%	10%	PO's will be issues next month to contractors.
1826061	Riverside power plants Arc Flash Mitigatino	06/11/18	497,000	497,000	6,663	6,810	490,190	01/10/19	1%	3%	In design
1826998	Multi-Substation Circuit Breaker Remote Racking Project	11/26/18	619,000	619,000	5,983	14,399	604,601	11/01/18	2%	2%	Board approved. In the process of issuing a PO.
1826767	Hunter Substation Replacement Project	01/14/19	2,000,000	2,000,000	32,211	49,072	1,950,928	08/15/18	2%	1%	Board approved
1816638	Freeman Substation & Mt. View Substation	05/14/18	4,202,827	4,202,827	147,455	178,960	4,023,867	01/17/19	4%	1%	In procurement phase.
1822318	Multi Substation Transformer Upgrade/ Recondition	06/25/18	3,082,617	3,082,617	114,372	116,363	2,966,254	01/10/19	4%	1%	Pending signing agreement with contractor
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%	Board approved. Completed 80% of phase 1 design
	Subtotal of SUBSTATION		-	34,765,382	3,332,748	11,734,202	23,031,180				
			=								
RECURRING	G/OBLIGATION TO SERVE										
0913192	Tyler Street Widening	08/07/15	816,000	816,000	-	973,503	(157,503)	12/01/17	119%	95%	Completed, pending as-builts.
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.
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.
1309568	Distribution Automation Program	01/18/13	960,000	960,000	228	683,070	276,930	10/01/18	71%	65%	In construction.
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	83,843	97,327	1,167,673	01/10/19	8%	1%	In design phase
1503115	Freeman-Kaiser-Harvey Lynn	12/18/15	300,000	300,000	46,520	226,521	73,479	12/27/18	76%	50%	Equipment purchased, pending start date
1518525	Jurupa Avenue - New Tract 28987	11/06/15	320,000	320,000	-	13,740	306,260	06/01/16	4%	0%	On-hold.
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.
1611216	Citywide Streetlight L.E.D. Conversion	07/25/16	1,150,000	1,150,000	52,572	545,055	604,945	12/04/18	47%	60%	In design.
1709454	12 kV Electrical Feeders for the California Air Resources Board Project	01/14/19	757,000	757,000	70,234	140,466	616,534	01/10/19	19%	1%	Design completed, In construction
1719921	Magnolia Avenue	04/24/17	2,189,489	2,189,489	410,755	1,845,178	344,311	12/27/18	84%	85%	Completed, pending as-builts.
1722321	Norte Vista Sidwalk Improvements Project	02/12/18	888,000	888,000	359,916	439,935	448,065	01/10/19	50%	15%	In construction.
1725687	Wells-Arlanza Sidewalk Improvements Project	01/08/18	460,000	460,000	328,269	405,514	54,486	12/13/18	88%	65%	In construction.
	Subtotal of RECURRING/OBLIGATION TO SERV	/E	-	14,658,796	1,505,857	10,681,760	3,977,036				

/01/17	119%	95%	Completed, pending as-builts.
/13/14	94%	95%	In construction.
/10/16	93%	99%	Completed, pending closure.
/01/18	71%	65%	In construction.
/01/18	90%	95%	Completed, pending closure.
/10/19	8%	1%	In design phase
/27/18	76%	50%	Equipment purchased, pending start date
/01/16	4%	0%	On-hold.
/01/18	102%	95%	Completed, pending closure.
/04/18	47%	60%	In design.
/10/19	19%	1%	Design completed, In construction
/27/18	84%	85%	Completed, pending as-builts.
/10/19	50%	15%	In construction.
/13/18	88%	65%	In construction.

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

Project /					Year to Date	Life to Date				o Status	
Subproject	Project Description	Board Approval	Board Approved	Project	Total as of	Total as of	Available Balance	Last Activity	-	on Proj. Est.)	Project Status
or WO		Date	Estimate ⁽¹⁾	Estimate ⁽²⁾	1/31/2019	1/31/2019	Dalarice	Date	% Spent	% Completed	
System Aut	tomation										
1619634	Operational Data Management System - Electric	06/12/17	4,907,000	2,474,500	122,062	2,321,627	152,873	12/12/18	94%	70%	In implementation phase.
1707248	Advanced Metering Infrastructure - Electric	06/12/17	3,000,000	790,000	-	-	790,000	12/20/18	0%	10%	Board approval 1/29/18 for vendor contracts
1911437	Citywide Geographic Information System Tech. Upgrade Project	12/10/18	1,206,521	480,000	-	-	480,000	12/10/18	0%	1%	Board approval 12/10/18
	Subtotal of SYSTEM AUTOMATION		-	3,744,500	122,062	2,321,627	1,422,873				
OTHER PR	OJECT										
1104202	CIS Replacement	06/01/12	9,200,000	8,859,000	245,597	8,665,094	193,906	12/19/18	98%	95%	Completed, pending closure.
	Subtotal of OTHER PROJECT		-	8,859,000	245,597	8,665,094	193,906				
RTRP											
642975	Riverside Transmission Reliability Project (RTRP)	10/17/14	42,605,521	42,605,521	664,671	29,027,282	13,578,239	01/17/19	68%	15%	In design.
0812940	Sub-Transmission Project (STP) (3)	11/06/09	24,000,000	24,000,000	-	18,312,636	5,687,364	05/31/18	76%	99%	Completed, pending as-builts.
	Subtotal of RTRP		-	66,605,521	664,671	47,339,918	19,265,603				
GRAND TOTAL ELECTRIC FUND - Open Work Orders				144,622,899	7,441,831	92,704,417	51,918,482				

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 January-19

					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 ⁽¹⁾	Project Estimate ⁽²⁾	as of 01/31/2019	as of 01/31/2019	Available Balance	Activity Date	% Spent	% Completed		
Open Work C	rders/Projects with Budgeted or Actual expenditures > \$200,0	00										
DISTRIBUT	ION PIPELINE											
1507007	Jasmine and Columbus	10/03/14	679,000	679,000	-	47,267	631,733	05/31/18	7%	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.	
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	255,742	299,988	53,012	01/16/19	85%	90%	Final grade not set. FF still need to set final domestic services and vaults, after Public Works final grading. Blow off hydrants and air valve need final placement once final grade complete.	
1905091	Iowa Ave 12-inch Water Main Extension	09/24/18	269,000	269,000	74,724	74,724	194,276	08/23/18	28%	90%	Waiting for UCR for right-of-way approval.	
	Subtotal of DISTRIBUTION PIPELINE			2,433,767	330,467	1,162,493	1,271,274					
DISTRIBUT	ION FACILITIES											
1508449	Palmyrita Well	11/07/14	215,000	215,000	-	8,932	206,068	11/16/17	4%	5%	Completed, pending closure.	
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	7,431	25,392	573,608	01/10/19	4%	4%	In construction.	
1827140	Cooley J Groundwater Well	09/24/18	811,000	811,000	30,683	37,447	773,553	01/10/19	5%	3%	In construction.	
1902331	Stiles Groundwater Well	09/24/18	327,000	327,000	53,120	53,015	273,985	07/18/18	16%	40%	In construction.	
1902332	Garner 5 Groundwater Well	09/24/18	355,000	355,000	155,168	155,168	199,832	07/18/18	44%	80%	In construction.	
	Subtotal of DISTRIBUTION FACILITIES			3,657,000	246,401	1,563,005	2,093,995					
TRANSMISSION PIPELINE												
1612632	Magnolia Ave Techite Pipe Replacement Project	07/09/18	7,335,000	7,335,000	3,134,541	3,545,405	3,789,595	01/16/19	48%	75%	In construction.	
1903811	Iowa Avenue Transmission Main Replacement	10/22/18	2,140,000	2,140,000	89,837	89,837	2,050,163	08/16/18	4%	4%	Pending start date	
	Subtotal of TRANSMISSION PIPELINE			9,475,000	3,224,378	3,635,242	5,839,758					

Riverside Public Utilities Open Capital Work Order Summary Report - Water Fund January-19

					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 ⁽¹⁾	Project Estimate ⁽²⁾	as of 01/31/2019	as of 01/31/2019	Available Balance	Activity Date	% Spent	% Completed	
L											
WATER SU	IPPLY										
1521905	Jackson Street - Phase 1	11/27/17	9,039,000	8,839,000	1,128,858	8,526,058	312,942	12/13/18	96%	55%	In construction.
1722078	Jackson St - Phase 1 & 2 Water Sites Retrofit	04/24/17	434,370	434,370	60,335	158,687	275,683	01/10/19	37%	34%	In design
	Subtotal of WATER SUPPLY		-	9,273,370	1,189,193	8,684,745	588,625				
OVOTEM A	UTOMATION		-								
		05/00/40	1 007 000	4 000 500	05 700	4 007 000			050/	700/	
1619634	Operational Data Management System - Water	05/09/16	4,907,000	1,332,500	65,726	1,267,629	64,871	12/20/18	95%	70%	In implementation phase.
1707248	Advanced Metering Infrastructure - Water	06/12/17	3,000,000	460,000	-	-	460,000	12/20/18	0%	2%	Developing business case.
	Subtotal of SYSTEM AUTOMATION		-	1,792,500	65,726	1,267,629	524,871				
OTHERS											
1202806	Riverside North Aquifer Storage & Recovery	10/07/11	1,800,000	1,800,000	-	447,714	1,352,286	07/01/17	25%	10%	Environmental phase led by SBVWD
1504840	Santa Ana River Habitat Conservation	09/05/14	325,000	325,000	-	134,256	190,744	06/30/17	41%	50%	In design
	Subtotal of OTHERS		-	2,125,000	-	581,970	1,543,030				
GRANTS A	ND CAPITAL PROJECTS										
1112059	UA 21702 - Ivy St Bridge	08/19/11	1,600,000	1,600,000	8,180	1,341,732	258,268	10/04/18	84%	99%	Completed, pending closure.
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.
	Subtotal of GRANTS AND CAPITAL		-	3,155,000	8,180	1,828,668	1,326,332				
GRAND TOTAL OF WATER FUND - Open Work Orders				31,911,637	5,064,345	18,723,752	13,187,885				

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: FEBRUARY 25, 2019 GENERAL MANAGER'S REPORT ITEM NO:

Riverside Public Utilities

Closed Work Order Reports

As of January 31, 2019

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

	·	January-19	<i>.</i>							
Project /				Board	Final					
Subproject				Approved	Project					
or WO	Project Description	Start Date	End Date	Estimate	Cost	Variance	% Variance			
CLOSED Ca	pital Work Orders with Budget or Actual Expenditures > \$	200,000								
	Cable Replacement									
1319813	Conduit and Cable Replacement for Canyon Crest Area Circuit 1218	4/10/2017	12/12/2018	\$ 967,000	\$ 744,590	\$ 222,410	23.00%			
	1) Note on Final Project Cost:									
	The Project was completed under budget. Part of the budget was set aside for esasement acquisitions, however the easements obtained were acquired without compensation due to the nature of their services.									
	2) Impact to Customer Service:									
	The proactive replacement of HMPE cable and other undergrounf facilities in the Canyon Crest area, serving mostly apartment developments had reduced the cost of reactive replacements as well as minimized outages, improving system reliability.									
	3) Impact to System Reliability:									
	This work is identified as part of the Electric System Master plan and Utility 2.0 and improves system capacity, safety and reliability.									
	Major 4/12Kv Conversions									
1411795	Magnolia - Underground Conversion	4/2/2015	12/6/2018	\$ 2,250,000	\$ 1,691,160	\$ 558,840	24.84%			
	1) Note on Final Project Cost:									
	The Project was completed under budget. Due to public works field restrictions bid units were cancelled from the construction contract.									
	2) Impact to Customer Service:									
	The installation of the underground Facilities in the vicinity of Magnolia Substation, facilitated the decommissioning of Magnolia Substation as well as the transfer of customers from a 4kV system to a more modern, reliable and improved 12kV system.									
	3) Impact to System Reliability:			-						
	This work is identified as part of the Electric System Master p	lan and Litility 2	0 and improv	ios svetom con	acity cafety and	roliability				
	This work is identified as part of the Liectile System Master p	Jan and Ounty 2.		res system tap	acity, salety allu	ienability.				

Riverside Public Utilities Closed Capital Work Order Summary Report - Water Fund January-19

Project / Board Final		
Project / Board Final		
Subproject Approved Project		
or WO Project Description Start Date End Date Estimate Cost Va	ariance % Varianc	e

CLOSED Capital Work Orders with Budget or Actual Expenditures > \$200,000

Please note: No Closed Work Orders over \$200,000 to report for the month of January 2019.

Total Water Fund - Closed Work Orders

\$ -	\$ -	\$ -

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