



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 / Subproject or WO	Project Description	Board Approval Date	Board Approved Estimate ⁽¹⁾	Project Estimate ⁽²⁾	Year to Date	Life to Date	Available Balance	Last Activity Date	Job Status		Project Status
					Total as of 1/31/2019	Total as of 1/31/2019			(Based on Proj. Est.)		
									% Spent	% Completed	

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

OVERHEAD

Various	GO-165 Pole Replacements - Citywide	09/25/17	1,125,000	1,125,000	-	832,583	292,417	Various	74%	100%	Project completed, pending final 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				

UNDERGROUND

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				

SUBSTATION

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

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									(Based on Proj. Est.)		
									% 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/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 SERVE				14,658,796	1,505,857	10,681,760	3,977,036				

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

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									% Spent	% Completed	
System Automation											
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 PROJECT											
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

Project / Subproject or WO	Project Description	Board Approval Date	Board Approved Estimate ⁽¹⁾	Project Estimate ⁽²⁾	Year to Date	Life to Date	Available Balance	Last Activity Date	Job Status		Project Status
					Total as of 01/31/2019	Total as of 01/31/2019			(Based on Proj. Est.)		
									% Spent	% Completed	
Open Work Orders/Projects with Budgeted or Actual expenditures > \$200,000											
DISTRIBUTION 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.
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%	Blow off hydrants and air valve need final placement once final grade complete. Waiting for UCR for right-of-way approval.
Subtotal of DISTRIBUTION PIPELINE				2,433,767	330,467	1,162,493	1,271,274				
DISTRIBUTION 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

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					Total as of 01/31/2019	Total as of 01/31/2019			% Spent	% Completed	
WATER SUPPLY											
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				
SYSTEM AUTOMATION											
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 AND 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

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

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%
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1) Note on Final Project Cost:

The Project was completed under budget. Part of the budget was set aside for easement 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 underground 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%
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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 plan and Utility 2.0 and improves system capacity, safety and reliability.

Total Electric Fund - Closed Work Orders

\$ 3,217,000

\$ 2,435,750

\$ 781,250

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

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 Work Orders over \$200,000 to
report for the month of January 2019.

Total Water Fund - Closed Work Orders

\$ -	\$ -	\$ -
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