



RIVERSIDE PUBLIC UTILITIES

Board Memorandum

BOARD OF PUBLIC UTILITIES

DATE: APRIL 10, 2017

GENERAL MANAGER'S REPORT

ITEM NO: 23

Riverside Public Utilities

Open Work Orders Greater than \$200,000

As of February 28, 2017

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

Project / Subproject or WO	Outside Design Work	Outside Field Work	Job Title	Board Approval Date	Board Approved Estimate	Job Estimate "Project/WO"	Life to Date Total as of 2/28/2017	Available Balance	Last Activity Date	Job Status (Based on Board Est.)		COMMENTS
										% Spent	% Completed	

Recap of open Work Orders/Projects with Budgeted or Actual expenditures > \$200,000

100051 / 04	no	yes	UA 21272 - Caltrans 91 HOV - Various Relocation Projects (WO 1022592 & 1119435-1119445)	01/21/11	4,321,774	4,321,774	3,564,056	757,718	11/30/16	82%	95%	WO 1119435 is in close-out phase pending as-builts. WO 1022592 & 1119445 have been closed.
080022 / 01	no	yes	Wood Streets Streetlights Phase I (WO 809099 & 0809101)	10/18/13	1,909,600	1,909,600	1,791,660	117,940	03/01/16	94%	90%	Pending street paving that will be completed by Public Works department. Anticipate completion by Summer 2017.
070016 / 07	yes	yes	T-29596 UG Electric Service to 116 Lots at Krameria Ave (WO 0704432 & 0704434)	07/20/07	500,000	500,000	468,292	31,708	03/13/14	94%	95%	The developer is pending the construction of 8 homes and electric service installations, construction is ongoing. Anticipated to be completed by first quarter of 2017.
070016 / 02	no	no	Tract 29515 Phase 2 (47 SFR) Lots 39-85 & Sewer Lift Station (WO 0702819 & 0702820)	11/16/07	345,000	345,000	344,419	581	06/01/16	100%	99%	Construction is completed. Project is in as-builts/close out phase, pending receipt of inspection/construction for formal GIS mapping and as-building.

Project 050009 : Conceptual Design Of Transmission Substation												
WO 642975	yes	yes	230 KV Station Conceptual Design	03/05/15	42,605,521	42,605,521	25,225,131	17,380,390	01/26/17	59%	15%	The EIR for RTRP was certified by Council on 02/05/2013. Engineering and easement acquisitions progressing. SCE seeking CPCN. RPU & SCE working jointly to obtain regulatory permits and approvals. Estimated construction start is 2nd quarter 2017. On 01/09/17, board approved item no. 6 for agreement for conveyance of easement with Bank of America National Trust and Savings Association located at 10297 Magnolia Avenue California APN 145-220-032 for the RTRP not to exceed \$81,000. On 01/09/17, board approved item no. 5 for conveyance of easement with 7509 Arlington Avenue Trust and Family Trust of Heinz F. Zwinger and Betty Zwinger located at 7509 Arlington Avenue California APN 155-290-017 for the RTRP not to exceed \$163,093.
WO 0812940	yes	yes	69 KV Station Conceptual Design	11/06/09	22,500,000	14,088,844	9,735,995	4,352,849	01/26/17	69%	99%	Construction completed 05/31/2014. 9 days ahead of schedule. Remaining work - Substation as-builts and joint pole work by AT&T along Chicago Ave.
WO 1021987	yes	yes	Phase 1A OH Installation of 3 Poles on Tenth St from Commerce to Park for the STP Project	(1)	(1)	64,000	63,362	638	03/17/11	99%	100%	Closed 08/31/2011. This WO is part of the Sub-transmission Project (STP) under project/Subproject 050009. Pending formal closure of STP project.
WO 1021988	yes	yes	Phase 1A UG Installation on Tenth St. from Commerce to Park for the STP Project	(1)	(1)	760,000	763,590	(3,590)	10/24/13	100%	100%	Closed 02/01/2012.
WO 1022853	no	yes	Phase 1B OH Distribution Work Tenth St from Park Ave to Victoria Ave	(1)	(1)	175,000	172,278	2,722	06/11/14	98%	100%	Closed 07/09/2012. This WO is part of the Sub-transmission Project (STP) under project/Subproject 050009. Pending formal closure of STP project.
WO 1022854	no	yes	Phase 1C OH Distribution Work - Pole Line from Tenth & Commerce to Twelfth St & Chicago for STP Project	07/16/10	1,500,000	1,500,000	1,734,788	(234,788)	07/24/14	116%	100%	Closed 06/18/2012. This WO is part of the Sub-transmission Project (STP) under project/Subproject 050009. Pending formal closure of STP project.
WO 1022905	no	yes	STP for Overhead to Underground at Martin Luther and Chicago, also along Ohio and Chicago Ave	(1)	(1)	500,000	500,166	(166)	10/24/13	100%	100%	Closed 03/06/2012. This WO is part of the Sub-transmission Project (STP) under project/Subproject 050009. Pending formal closure of STP project.
WO 1107488	no	no	Phase II STP - Vine St Poles	(1)	(1)	9,000	9,018	(18)	10/24/13	100%	100%	Closed 03/21/2012.

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										% Spent	% Completed	
WO 1111059	yes	yes	STP Phase 2	(1)	(1)	7,000,000	5,326,618	1,673,382	10/31/14	76%	100%	Closed 10/14/2014. This WO is part of the Sub-transmission Project (STP) under project/Subproject 050009. Pending formal closure of STP project.
Total 050009 / 01:						66,702,365	43,530,946	23,171,419				
WO 1704094			Initiation of Eminent Domain proceedings to acquire electrical facilities and real property interests from Southern California Edison within the City of Riverside	10/24/16	444,000	444,000	-	444,000	No activity	0%	0%	Board approved on 10/24/16. Scheduled for City Council on 02/28/17.
WO 1623473			Electric Asset Management System Project, Amendment to Professional Services Agreement with Westin Engineering, Inc	05/11/16	493,000	493,000	349,539	143,461	02/28/17	71%	90%	Issuing assessment report by end of March 2017.
WO 1619634	no	no	Electric ODMS Portion of Enterprise Agreement with OSIsoft.	05/09/16	2,312,000	2,312,000	1,560,224	751,776	02/28/17	67%	35%	Item approved by Board on 05/09/2016. Project currently underway. Estimated completion 07/31/17.
WO 1619571			Street and Landscape improvements at Plaza Substation	10/24/16	460,000	460,000	49,808	410,192	02/09/17	11%	50%	In Construction. Expected completion date is 03/10/2017.
WO 1616413	yes		Extension of Underground Conduits at Plaza Substation on Elizabeth Street	06/27/16	220,000	220,000	214,477	5,523	02/09/17	97%	80%	In construction. Conduit installation complete. Released for electrical facilities installation on 08/18/2016.
WO 1611216	yes	yes	City wide streetlight -Light emitting diode conversion program	07/25/16	1,150,000	1,150,000	36,566	1,113,434	12/29/16	3%	0%	Board approved 07/25/2016. Approved by the Land Use Committee of the City Council on 08/18/2016. Approved by the City Council on 09/06/2016. Agreement for RFP-1569 executed by City Manager on 09/09/2016. Purchase order 172414 in the amount of \$855,290 was issued to Benya Burnett Consultancy DBA Design Services Inc. on 09/28/2016. Notice to Proceed was issued on 10/3/2016. Project kick off meeting held on 11/15/2016. Estimated completion 9/9/2019.
WO 1607467			Replacement of Electrical Switch on Magnolia Ave. and Harrison Street.	10/24/16	230,000	230,000	38,520	191,480	02/09/17	17%	0%	In Construction phase. Civil construction is complete. Pending electrical facilities installation, Required by 2/15/2017.
WO 1606533	yes		Installation of Circuit Tie on Palm Avenue South of Tequesquite Avenue for Circuit 454	06/27/16	228,000	228,000	201,174	26,826	02/22/17	88%	80%	In construction. OH Installations Completed (By RPU), Substructure Work Completed (By HCI). Final Cabling pending (By RPU). Engineering finalizing switch settings.
WO 1604758			7105 Old Frontage 215 Rd-Joint Project with SCE to UG Lines for new development - 2000a 277/480 3p4w UG Service	N/A	N/A	208,182	126,568	81,614	02/28/17	61%	0%	100% Customer/Developer Funded Project. Issued utility design plans and service fee letter to customer in December 2016.
WO 1603079	yes	no	Springs & Orangecrest Substations 69 kV Breaker and Relay Replacement Project	02/19/16	1,700,000	1,700,000	968,941	731,059	02/28/17	57%	50%	Board Item #6 approved on 02/19/2016. Reviewing 90% drawing package.Completed equipment procurement.
WO 1601400	yes	yes	Professional Service Agreement for the Substation Switchgear Upgrade Project	07/25/16	5,530,000	5,530,000	501,904	5,028,096	02/22/17	9%	3%	In Construction. Completed the removal phase for switchgear 3 at Mountain View Substation. Waiting for lead paint abatement
WO 1525536	no	yes	Electrical Feeder Extension on Diana Ave Between Adams St and Monroe St	01/22/16	850,000	850,000	768,618	81,382	01/01/17	90%	100%	Construction complete. Pending as-builts and close out phase.
WO 1525067	no	no	Cable Rejuvenation Pilot Project--Test the treatment of underground electric cable to extend it's useful like.	07/25/16	449,000	449,000	52,329	396,671	12/29/16	12%	90%	Board approved item# 3 on 07/25/2016. Construction completed. Reviewing change order No. 3 on 2/22/17. Processing for final billing.
WO 1524282	no	no	Land Mobile Radio (LMR) system	09/26/16	3,000,000	3,000,000	100,125	2,899,875	02/09/17	3%	60%	Equipment received. LMR Installation in progress at UOC and RERC
WO 1523553			Wood Streets Streetlight Replacement Project Phase 2	02/13/17	2,300,000	2,300,000	53,959	2,246,041	01/26/17	2%	0%	Board approved on 2/13/2017. Pending start of construction.

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WO 1521822	yes	yes	Plaza Substation 4 kV to 12kV conversion Circuit 456	09/18/15	933,000	933,000	105,945	827,055	02/09/17	11%	10%	In construction phase.
WO 1521820	no	no	Plaza Substation 4 kV to 12kV conversion Circuit 452	09/18/15	1,446,000	1,446,000	230,007	1,215,993	01/27/17	16%	10%	In Construction phase. Board Item # 5 approved on 09/18/2015. Issued to field crew.
WO 1518525	no	yes	Underground Electrical Installation at Jurupa Avenue Between Rutland and Crest Avenues for New Tract 28987	11/06/15	320,000	320,000	13,740	306,260	06/01/16	4%	0%	Still active - issued to construction - 05/31/2016. However, construction is on hold by customer.
WO 1514752	yes	yes	Mobile Substation #3 - RFP 1576	05/23/16	2,198,993	2,198,993	39,643	2,159,350	06/30/16	2%	3%	In production. Expected delivery date is June 2017.
WO 1508419	no	yes	Upgrade Fiber Optic Cable Network to City Hall	06/19/15	470,000	470,000	498,825	(28,825)	11/17/16	106%	70%	Second phase to replace existing fiber in progress.
WO 1504019	yes	no	Freeman Substation Breaker Replacement Project	10/03/14	641,121	641,121	686,556	(45,435)	09/26/16	107%	100%	Project completed. Work order will be closed out next month upon confirming that all outstanding invoices have been paid off.
WO 1503125	no	yes	Magnolia Substation Circuit 46 4 KV to 12 KV Conversion, Overhead and Underground Project	04/17/15	1,833,000	1,833,000	1,052,580	780,420	01/31/17	57%	50%	In construction phase.
WO 1503115	no	yes	Pole and Overhead Switch Replacement on the Freeman-Kaiser-Harvey Lynn 69kV Transmission Line	12/18/15	300,000	300,000	173,217	126,783	01/26/17	58%	50%	Pending construction coordination with Customer. Material has been received.
WO 1502322	no	yes	Underground Switch Replacement	11/21/14	245,000	245,000	264,831	(19,831)	06/01/16	108%	80%	All contract work is complete and tasked are finished. Pending close out phase.
WO 1501824	yes	no	Plaza Substation 4 kV to 12kV conversion Circuit 454	09/18/15	1,349,000	1,349,000	67,972	1,281,028	02/09/17	5%	5%	WO approved by Board 01/09/2017, Agreement with Asplundh has been signed and is at City Clerks office waiting for approval. Estimated project start date early March 2017.
WO 1423746	no	yes	Fiber Use License Agreement With County of Riverside	01/22/16	325,000	325,000	167,997	157,003	02/27/17	52%	5%	Detail design in progress.
WO 1411795	no	yes	Magnolia 4 kV to 12 kV Underground Conversion	04/02/15	2,250,000	2,250,000	1,540,190	709,810	02/09/17	68%	90%	Formal Bid #7300 - Contracted to H. Weissker Inc. Resumed construction 01/04/2016. Substructure work completed. Crew cabling /cutover ongoing.
WO 1411145	no	yes	La Colina Substation Switchgear 3 & 4 Relay Replacement Project	03/21/14	534,051	534,051	65,647	468,404	02/09/17	12%	15%	Consultant is preparing the 60% drawing design package for review
WO 1409723	no	yes	Conduit and Cable Replacement for Canyon Crest Area Circuit 1215	11/06/15	1,175,000	1,175,000	994,595	180,405	02/23/17	85%	100%	Construction complete. Pending as-builts and close out phase.
WO 1326801	no	yes	Plaza Substation Expansion and Public Works Riverside Avenue Grade Separation Projects	03/21/14	1,446,454	1,446,454	1,227,981	218,473	07/22/16	85%	95%	In Construction phase. Pending cable re-installation by RPU Crews.
WO 1319390	no	yes	Magnolia 4 kV to 12 kV Conversion Overhead Project	09/19/14	1,577,100	1,577,100	1,748,910	(171,810)	02/18/17	111%	94%	Minor construction are needed outside of Magnolia Substation
WO 1311245	no	yes	Line Protection Relay Replacement and Substation Automation System Upgrade Project	03/21/14	1,925,805	1,925,805	1,600,572	325,233	02/09/17	83%	75%	Construction in progress.
WO 1309568	no	yes	Distribution Automation Program	01/18/13	960,000	960,000	595,856	364,144	01/12/17	62%	60%	Grid Sensor updates are being conducted for new Ingenu Network.
WO 1227700	no	yes	Magnolia - Plaza Reliability Project Phase I	11/07/14	6,700,000	6,700,000	6,670,121	29,879	01/31/17	100%	99%	Construction completed. Pending closing out Pos.
WO 1202319	no	yes	Riverside Ave RR Grade Separation Project	11/15/13	616,200	616,200	702,516	(86,316)	09/22/16	114%	95%	Construction complete. Pending As-builts and close out phase.

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										% Spent	% Completed	
WO 1104202	no	no	CIS Replacement Project	06/01/12	8,859,000	8,859,000	8,242,223	616,777	11/30/16	93%	88%	System is now live, working on post go-live fixes and enhancements. Project manager transferred from J. Tavaglione to W. Obeid. CIS closure plan is expected to be completed by 4th Quarter 2017.
WO 1024965	yes	yes	Electronic Security Monitoring and Access Control Project	09/16/11	5,000,000	5,000,000	5,078,371	(78,371)	12/29/16	102%	90%	As builds and close out in progress.
WO 1024305	yes	yes	Planning, Engineering, Training & Consulting Services for Electric SCADA System Hardware & Software Upgrades	06/27/16	3,638,307	3,638,307	2,737,329	900,978	08/10/16	75%	99%	Work Completion Date was accepted on 11/16/2015. Board Item #6 was approved on 06/27/2016, added new scopes and extended terms to 11/30/2022. PO was executed 07/26/16.
WO 1020992	yes	no	Seismic Upgrades at La Colina & Hunter Substations	05/03/13	649,885	649,885	457,843	192,042	06/01/16	70%	98%	Project on hold. La Colina was completed. Minimum fix for Hunter. Hunter will be revisited at a later time.
WO 0913192	yes	yes	Tyler Street Widening Project	08/07/15	816,000	816,000	776,217	39,783	09/22/16	95%	85%	PW Road Improvement Project: Contractor awarded with RPU Board approval, under construction.(Estimated Project completion March 2017)
Total Electric Fund - Open Work Orders						139,561,837	90,461,809	49,100,028				

Notes:

(1) This work is part of Project 050009 & included within the \$24,000,000 authorized by PU Board.

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
February 2017

Work		Board	Board		Life to Date Total		Last	Job Status (Based on Board Est.)		Comments
Order Number	Job Title	Approval Date	Approved Estimate	Job Estimate	as of 02/28/2017	Available Balance	Activity Date	% Spent	% Completed	
Recap of open capital work orders with Budgeted or Actual expenditures > \$200,000										
1112059	UA 21702 - Ivy St Bridge - Caltrans SR-91 HOV Project	08/19/11	1,600,000	1,600,000	1,326,863	273,137	11/17/16	83%	100%	Project complete. Pending punch list and final project close-out.
1112062	UA 21699 - Miscellaneous Utility Relocations - Caltrans SR-91 HOV Project	11/18/11	1,555,000	1,555,000	444,484	1,110,516	12/01/16	29%	90%	Project complete. Pending punch list and final project close-out.
1202806	The Riverside North Aquifer Storage & Recovery Project	10/07/11	1,800,000	1,800,000	706,425	1,093,575	07/01/16	39%	10%	Partners Consultants reviewing validation report.
1415931	Construction of the California and Monroe Water Main Replacement Project	12/12/14	973,500	973,500	808,549	164,951	11/17/16	83%	95%	This project has 8 items that are not completed. The contractor is in litigation with the City over this project.
1424014	Construction of the Gratton Booster Station Replacement Project	01/23/15	1,311,100	1,311,100	1,064,249	246,851	01/12/17	81%	99%	Substantially completed on 06/27/2016. Project completed on 10/24/2016. Work order to be closed after final payment is posted.
1424073	Water Asset Management (Software Procurement from OSI Soft and Consulting Services from Westin Engineering Inc for Implementation of Operations Data Management System).	06/20/14	2,530,400	2,048,689	2,079,863	(31,174)	12/21/16	102%	90%	Water asset management project was separated out from the ODMS project - this update is for the Asset Management Project only. Final payment was made to consultant. Internal operations team continuing to monitor and make improvements to new processes and system as needed.
1504840	Santa Ana River Habitat Conservation Plan	09/05/14	325,000	325,000	77,128	247,872	06/01/16	24%	0%	Under review.
1507007	Jasmine and Columbus 12-Inch Water Distribution Main Replacement Project	10/03/14	679,000	679,000	-	679,000	No Activity	0%	0%	Under review. Per M. Bates keep open.
1508449	Palmyrita Well - Rehabilitation Projects For 2014-2015	11/07/14	215,000	215,000	1,769	213,231	07/31/16	1%	0%	Per L. Ferrando project is on hold until 2017 as staff evaluates plan for continued water operations.
1515505	Construction of the Ambs Drive Water Main Replacement Project	06/06/16	1,523,000	1,523,000	595,414	927,586	02/22/17	39%	60%	Field Forces to begin construction in summer 2016. Project is anticipated to to be completed in February 2017.
1515504	Arroyo Drive Water Main Replacement Project	11/14/16	2,040,000	2,040,000	128,709	1,911,291	02/09/17	6%	0%	Pipe line installation work begins on 02/02/2017.
1515609	Construction of the Arlington Avenue & Western Avenue Water Main Replacement Project	06/06/16	1,241,000	1,241,000	333,169	907,831	02/23/17	27%	35%	Field Forces completed Phase 1 in November 2016. Phases 2 & 3 have been moved out to begin in January 2017.
1518913	Construction of the Brockton Avenue & Palm Avenue Railroad Crossings Water Pipeline Replacement Project	08/22/16	688,000	688,000	256,191	431,809	02/27/17	37%	60%	Palm Ave side bore and jack work and installation of pipe was completed on 01/31/17. Brockton Ave side work is now underway as of 02/01/17.
1521905	Jackson Street Recycled Water Pipeline Phase 1	01/22/16	500,000	500,000	478,044	21,956	02/09/17	96%	99%	Phase 1 almost completed. Seeking additional funds.
1602941	Construction of the Larchwood Place Water Main Replacement Project	10/16/15	865,000	865,000	365,644	499,356	02/09/17	42%	100%	Field Forces portion complete. Public Works paving complete
1610216	Construction of the Tree Irrigation System Project	02/19/16	240,000	240,000	202,619	37,381	01/26/17	84%	92%	Contruction started 07/05/2016 and finished on 08/26/2016. Maintenance started 09/01/2016 and ends on 12/01/2016. Maintenance of the irrigation system has been extended to June 2017.
1619634	Water ODMS Portion of Enterprise Agreement with OSIsoft	05/09/16	1,245,000	1,245,000	810,907	434,093	05/09/16	65%	20%	Item approved by Board on 05/09/2016 for an additional appropriation of \$900,000 in current FY 16-17. Project currently underway. Estimated completion 07/31/2017.
1619730	Construction of the Tenth and Eleventh Street Water Main Replacement Project	08/22/16	1,745,000	1,745,000	361,729	1,383,271	01/26/17	21%	30%	Phase 1 (10th St.) - Field Forces complete by mid-November , Phase 2 (11th St.) to begin in January 2017, after FOL (Festival of Lights).
1703247	Construction of the Interstate 215 Barton Road Interchange 48-Inch Water Pipeline Relocation and Encasement Project	09/26/16	611,000	611,000	320,243	290,757	01/26/17	52%	60%	60% of pipe installation has been completed to date. Final system shutdown and system connection will be completed by 02/10/17.
1703061	Construction of the Arlington Avenue 16-Inch Water Main Extension Project	11/14/16	1,339,000	1,339,000	33,641	1,305,359	01/27/17	3%	0%	Board approved on 11/14/2016.
1712389	Raub 7 Well Groundwater Well Rehabilitation Project	02/13/17	267,288	267,288	6,526	260,762	01/26/17	2%	0%	Board approved on 02/13/17.
1712675	Raub 6 Well Groundwater Well Rehabilitation Project	02/13/17	297,582	297,582	4,832	292,750	01/26/17	2%	0%	Board approved on 02/13/17.
1712676	Tippecanoe Well Groundwater Well Rehabilitation Project	02/13/17	301,454	301,454	5,721	295,733	01/26/17	2%	0%	Board approved on 02/13/17.



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Closed Work Order Reports

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1712677	Gage 92-3 Well Groundwater Well Rehabilitation Project	02/13/17	264,626	264,626	4,295	260,331	01/26/17	2%	0%	Board approved on 02/13/17.
1712678	Flume 3 Well Groundwater Well Rehabilitation Project	02/13/17	255,672	255,672	5,105	250,567	01/26/17	2%	0%	Board approved on 02/13/17.
Total Water Fund - Open Work Orders				23,930,911	10,422,119	13,508,792				

Items in [blue](#) represent work orders with no activity in the last 60 days.

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Closed Capital Work Order Summary Report - Electric Fund
February 2017

Work Order Number	Description	Start Date	End Date	Estimated Cost	Work Order Actual	Variance	% Variance
CLOSED Capital Work Orders with Budget or Actual Expenditures > \$200,000							
WO 1511213	Load Tap Changer (LTC) Replacement, Substation Transformer Testing, and Instrumentation Upgrade	11/16/2015	01/22/2017	\$ 3,200,000	\$ 3,105,749	\$ 94,251	2.95%
<p><i>1) Note on Final Project Cost:</i></p> <p>Total project cost slightly below estimated cost.</p>							
<p><i>2) Impact to Customer Service:</i></p> <p>Replacing the LTCs reconditions the transformers and extends their usable life. By not replacing them, failure of LTC can lead to transformer failure if it happens during peak loading season and may cause extended power outages.</p>							
<p><i>3) Impact to System Reliability:</i></p> <p>Improved the reliability of the substation by replacing old LTCs that could have caused a transformer failure.</p>							
WO 1502504	Riverside Substation Bay 4 Breaker Replacement Project	09/19/2014	01/20/2017	\$ 382,351	\$ 420,803	\$ (38,452)	-10.06%
<p><i>1) Note on Final Project Cost:</i></p> <p>Project was completed successfully. Field conditions required additional man hours of construction & test crews than initially budgeted. In addition, there was unanticipated overtime incurred which was requested by the Operations Division to reduce any potential impact on reliability during construction.</p>							
<p><i>2) Impact to Customer Service:</i></p> <p>Replacement of the old equipment will reduce the potential of equipment failure and loss of power to customers.</p>							
<p><i>3) Impact to System Reliability:</i></p> <p>System reliability will improve as the new equipment is more dependable and will require less maintenance. This translates into a reduction of potential outages and improved cost savings.</p>							
Total Electric Fund - Closed Work Orders				<u>\$ 3,582,351</u>	<u>\$ 3,526,552</u>	<u>\$ 55,799</u>	

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

Work Order Number	Description	Start Date	End Date	Estimated Cost	Work Order Actual	Variance	% Variance
CLOSED Capital Work Orders with Budget or Actual expenditures > \$200,000							
WO 1511174	Dwight Water Main Replacement Project	08/07/2015	02/09/2017	\$ 1,930,000	\$ 1,324,847	\$ 605,153	31.36%
<div> <div>1) <i>Note on Final Project Cost:</i></div> <div>The majority of the savings resulted from using City forces to install the water line.</div> <div>2) <i>Impact to Customer Service:</i></div> <div>The project will improve water delivery service to approximately 114 residential homes.</div> <div>3) <i>Impact to System Reliability:</i></div> <div>The project replaced approximately 4,500 linear feet of old cast iron main with a new 8" ductile iron main, resulting in a more reliable water supply line.</div> </div>							
Total Water Fund - Closed Work Orders				<u>\$ 1,930,000</u>	<u>\$ 1,324,847</u>	<u>\$ 605,153</u>	