

**Riverside Public Utilities
Riverside Public Utilities
Open Capital Work Order Summary Report - Electric Fund
September-20**

| 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 (Based on Proj. Est.) | | Project Status |
|-------------------------------|---------------------|---------------------------|--|------------------------------------|-----------------------------|--|-----------------------------|--|----------------------|--------------------------|-------------------------------------|----------------|----------------|
| | | | | | Total as of 9/30/2020 | | Total as of 9/30/2020 | | | | % Spent | % Completed | |

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

OVERHEAD

| | | | | | | | | | | | | | |
|-----------------------------|--|----------|-----------|-------------------|----------------|--|------------------|--|------------------|----------|------|-----|---|
| Various | GO-165 Pole Replacements - Citywide | 06/10/19 | 2,301,305 | 2,301,305 | 84,414 | | 859,331 | | 1,441,974 | Various | 37% | 85% | In Construction. |
| 080022 / 01 | Wood Streets Streetlights Phase ⁽³⁾ | 10/18/13 | 1,909,600 | 1,909,600 | - | | 1,792,642 | | 116,958 | 06/14/18 | 94% | 95% | Pending Asbuilt plans. Due to Covid19 Minimum staffing order, Asbuilts plans will be delayed. |
| 1503112 | Plaza substation - Circuit 450 | 01/28/19 | 2,174,000 | 2,174,000 | 91,467 | | 1,375,008 | | 798,992 | 9/3/2020 | 63% | 60% | In construction (on intermittent hold due to staff assigned to emergency jobs). |
| 1521822 | Plaza Substation - Circuit 456 | 09/18/15 | 933,000 | 933,000 | - | | 1,136,291 | | (203,291) | 10/31/19 | 122% | 95% | Completed, pending as-builts. |
| 1523553 | Wood Streets Streetlights Phase 2 | 02/13/17 | 2,300,000 | 2,300,000 | - | | 2,122,524 | | 177,476 | 01/31/19 | 92% | 95% | Completed, pending as-builts. |
| 1708708 | Plaza Sub 4/12kV Conversion Circuit 441 | 08/12/19 | 2,038,000 | 2,038,000 | 112,837 | | 440,547 | | 1,597,453 | 06/05/20 | 22% | 15% | Still under construction. |
| 1708710 | Plaza Substation - Circuit 458 | 04/09/18 | 1,170,000 | 1,170,000 | - | | 665,196 | | 504,804 | 06/17/19 | 57% | 95% | Completed, pending as-builts. |
| 1808449 | Plaza Substation - Circuit 448 | 07/09/18 | 973,000 | 973,000 | - | | 539,015 | | 433,985 | 10/31/19 | 55% | 95% | Completed, pending as-builts. |
| 1808451 | Plaza Substation - Circuit 443 | 03/29/18 | 415,000 | 415,000 | - | | 390,912 | | 24,088 | 10/31/19 | 94% | 95% | Completed, pending as-builts. |
| Subtotal of OVERHEAD | | | | 14,213,905 | 288,719 | | 9,321,466 | | 4,892,439 | | | | |

UNDERGROUND

| | | | | | | | | | | | | | |
|--------------------------------|---|----------|---------|------------------|--------------|--|------------------|--|----------------|----------|------|-----|-------------------------------|
| 1713398 | Canyon Crest Area 1F (Phase 1) | 01/08/18 | 739,000 | 739,000 | - | | 743,429 | | (4,429) | 03/21/19 | 101% | 99% | Completed, pending as-builts. |
| 1833153 | Conduit and Structure Installation for the Cable Replacement Project | 09/23/19 | 740,000 | 740,000 | 1,764 | | 644,727 | | 95,273 | 04/01/20 | 87% | 95% | Completed, pending as-builts. |
| 1903658 | Electrical Engineering Design Services for Pole/Vault Placement and Reconductor Project | 11/25/19 | 435,000 | 435,000 | 2,951 | | 2,951 | | 432,049 | 09/10/19 | 1% | 5% | In Design. |
| Subtotal of UNDERGROUND | | | | 1,914,000 | 4,715 | | 1,391,107 | | 522,893 | | | | |

SUBSTATION

| | | | | | | | | | | | | | |
|---------|---|----------|-----------|-----------|---------|--|-----------|--|-----------|----------|------|-----|-------------------------------|
| 1407577 | Metal Gate Replacement | 04/09/18 | 337,699 | 337,699 | 2,691 | | 313,447 | | 24,252 | 09/17/20 | 93% | 95% | Completed, pending as-builts. |
| 1603079 | Springs & Orangecrest Equip. Replacement Proj. | 02/19/16 | 1,700,000 | 1,700,000 | - | | 1,579,869 | | 120,131 | 04/01/20 | 93% | 90% | In construction. |
| 1808341 | Substation Utility Storage Facility | 06/11/18 | 407,385 | 407,385 | - | | 244,714 | | 162,671 | 12/31/19 | 60% | 70% | On hold. |
| 1814007 | Substation Capacitor Upgrade Project | 01/22/18 | 5,306,000 | 5,306,000 | 5,338 | | 4,914,877 | | 391,123 | 09/17/20 | 93% | 98% | Completed, pending as-builts. |
| 1816163 | Substation Automation Upgrade Project | 02/26/18 | 2,027,679 | 2,027,679 | 20,456 | | 1,485,017 | | 542,662 | 09/03/20 | 73% | 75% | In implementation phase. |
| 1822052 | Harvey Lynn Substation Site Expansion | 10/22/18 | 2,100,000 | 2,100,000 | 99,011 | | 2,125,851 | | (25,851) | 09/23/20 | 101% | 98% | Completed, pending as-builts. |
| 1826061 | Riverside power plants Arc Flash Mitigation | 06/11/18 | 497,000 | 497,000 | - | | 33,408 | | 463,592 | 06/10/20 | 7% | 3% | On-hold. |
| 1826998 | Multi-Substation Circuit Breaker Remote Racking Project | 11/26/18 | 619,000 | 619,000 | - | | 604,080 | | 14,920 | 05/01/20 | 98% | 99% | Completed, pending as-builts. |
| 1826767 | Hunter Substation Replacement Project | 01/14/19 | 2,000,000 | 2,000,000 | 13,787 | | 836,558 | | 1,163,442 | 08/27/20 | 42% | 50% | In design |
| 1822318 | Multi Substation Transformer Upgrade/ Recondition | 06/25/18 | 3,082,617 | 3,082,617 | 7,879 | | 2,912,768 | | 169,849 | 09/17/20 | 94% | 95% | Completed, pending as-builts. |
| 1810532 | Freeman Switchgear and Transformer Upgrade | 11/05/18 | 5,463,000 | 5,463,000 | 197,245 | | 3,710,601 | | 1,752,399 | 09/17/20 | 68% | 85% | In construction. |

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|---|---|---------------------------|--|------------------------------------|-----------------------------|-----------------------------|----------------------|--------------------------|-------------------------------------|----------------|--|
| | | | | | Total as of 9/30/2020 | Total as of 9/30/2020 | | | % Spent | % Completed | |
| | | | | | | | | | | | |
| 1906356 | Multi Substation - 69kV Circuit Breakers Replacement | 09/23/19 | 3,500,000 | 3,500,000 | 66,345 | 1,560,420 | 1,939,580 | 06/11/20 | 45% | 30% | In implementation phase. |
| 1927285 | La Colina Switchgear 3&4 Replacement Project | 06/10/19 | 480,000 | 480,000 | - | 105,298 | 374,702 | 03/19/20 | 22% | 15% | In design. |
| 1927495 | Plaza & Riverside Line Relay Replacement Project | 06/10/19 | 492,000 | 492,000 | 1,549 | 491,509 | 491 | 09/22/20 | 100% | 85% | In construction. |
| 1910518 | Substation Protection Support for Multiple Substations, with Stantec Consulting Services Inc. | 11/25/19 | 480,000 | 480,000 | - | 75,109 | 404,891 | 09/23/19 | 16% | 10% | In implementation phase. |
| 2002530 | Multi Substation Transformer Upgrade and Reconditioning | 02/24/20 | 1,883,000 | 1,883,000 | 2,385 | 2,385 | 1,880,615 | 05/26/20 | 0% | 0% | In design. |
| 2021755 | Riverside Substation 15kV Relay Replacement Project | 09/14/20 | 900,000 | 900,000 | - | 113,026 | 786,974 | 06/27/20 | 13% | 10% | In design. |
| Subtotal of SUBSTATION | | | | 31,275,380 | 416,685 | 21,108,937 | 10,166,443 | | | | |
| RECURRING/OBLIGATION TO SERVE | | | | | | | | | | | |
| 070016 / 07 | Tract 29596 Krameria Ave ⁽⁴⁾ | 07/20/07 | 500,000 | 500,000 | - | 468,292 | 31,708 | 03/13/14 | 94% | 95% | Work should be completed in CADME and the job in SPL should be able to be closed out as well. |
| 1024305 | Electric SCADA System Upgrades | 06/27/16 | 2,938,307 | 2,938,307 | - | 2,784,795 | 153,512 | 06/30/20 | 95% | 99% | Completed, pending closure. |
| 1309568 | Distribution Automation Program | 01/18/13 | 960,000 | 960,000 | - | 685,936 | 274,064 | 09/30/19 | 71% | 65% | In construction. |
| 1423748 | Freeman Substation to Orangecrest Substation | 10/22/18 | 1,265,000 | 1,265,000 | 124,846 | 914,137 | 350,863 | 09/23/20 | 72% | 70% | In construction Phase. |
| 1503115 | Freeman-Kaiser-Harvey Lynn | 12/18/15 | 380,000 | 380,000 | 183 | 228,654 | 151,346 | 08/06/20 | 60% | 50% | In construction; Start date 9/14/2020. |
| 1518525 | Jurupa Avenue - New Tract 28987 | 11/06/15 | 320,000 | 320,000 | 1,651 | 120,340 | 199,660 | 09/17/20 | 38% | 0% | In construction. |
| 1524282 | Land Mobile Radio (LMR) system (Electric Portion) | 09/26/16 | 3,000,000 | 1,650,000 | - | 1,932,310 | (282,310) | 05/28/20 | 117% | 95% | Completed, pending closure. |
| 1611216 | Citywide Streetlight L.E.D. Conversion | 07/25/16 | 1,150,000 | 1,150,000 | - | 848,677 | 301,323 | 06/30/20 | 74% | 70% | In Design. |
| 1709454 | 12 kV Electrical Feeders for the California Air Resources Board Project | 01/14/19 | 757,000 | 757,000 | - | 747,943 | 9,057 | 06/11/20 | 99% | 99% | Complete. |
| 1711020 | Fiber Management System and Professional Services Project | 08/26/19 | 650,000 | 650,000 | 14,842 | 318,533 | 331,467 | 09/17/20 | 49% | 45% | Data Migration in Process. |
| 1719921 | Magnolia Avenue Fiber Installation | 04/24/17 | 2,189,489 | 2,189,489 | 318 | 2,229,749 | (40,260) | 07/23/20 | 102% | 99% | Completed, pending closure. |
| 1722321 | Norte Vista Sidwalk Improvements Project | 02/12/18 | 888,000 | 888,000 | - | 746,064 | 141,936 | 01/28/20 | 84% | 95% | Completed, Pending as-builts. |
| 1725687 | Wells-Arianza Sidewalk Improvements Project | 01/08/18 | 460,000 | 460,000 | - | 418,894 | 41,106 | 06/01/19 | 91% | 95% | Completed, Pending as-builts. |
| 1819765 | Canyon Crest Areas 3 and 4 for Cable Rejuvenation | 07/22/19 | 1,479,000 | 1,479,000 | 1,481 | 824,215 | 654,785 | 09/17/20 | 56% | 90% | Construction recently finalized. Pending as-built (Contracts Admin to follow up with inspector). |
| 1822537 | Smart Grid Communication System Project | 07/22/19 | 459,000 | 459,000 | 4,656 | 94,297 | 364,703 | 09/17/20 | 21% | 20% | Consultant study / report in progress. |
| 1917203 | Auto Center Reliability Project | 04/22/19 | 250,000 | 250,000 | 2,876 | 192,801 | 57,199 | 09/17/20 | 77% | 90% | Reclosers installed. Pending communications work. |
| 1807494 | Magnolia Ave Street Improvemnts Project from Buchanan St to Banbury Dr | 12/09/19 | 382,000 | 382,000 | 129,993 | 144,827 | 237,173 | 06/04/20 | 38% | 2% | In Construction. PW is lead on Project. |
| 1816079 | Magnolia Ave Street Improvemnts Project from Buchanan St to Banbury Dr | 12/09/19 | 378,000 | 378,000 | 1,495 | 37,223 | 340,777 | 01/23/20 | 10% | 5% | In Construction. PW is lead on Project. |
| 1826227 | Magnolia Ave Street Improvemnts Project from Buchanan St to Banbury Dr | 12/09/19 | 602,000 | 602,000 | 1,453 | 15,767 | 586,233 | 03/05/20 | 3% | 5% | In Construction. PW is lead on Project. |
| 1818275 | Iowa Avenue Improvements Projects from MLK Blvd to University Ave | 04/13/20 | 1,430,000 | 1,430,000 | 1,202 | 116,849 | 1,313,151 | 09/17/20 | 8% | 8% | In Construction with Public Works. |
| Subtotal of RECURRING/OBLIGATION TO SERVE | | | | 19,087,796 | 284,996 | 13,870,303 | 5,217,493 | | | | |

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|--|--|---------------------------|--|------------------------------------|-----------------------------|-----------------------------|----------------------|--------------------------|-------------------------------------|----------------|--|
| | | | | | Total as of 9/30/2020 | Total as of 9/30/2020 | | | % Spent | % Completed | |
| | | | | | | | | | | | |
| System Automation | | | | | | | | | | | |
| 1707248 | Advanced Metering Infrastructure - Electric | 06/12/17 | 8,678,650 | 8,678,650 | 765,598 | 3,584,078 | 5,094,572 | 08/26/19 | 41% | 35% | Alpha phase complete; Beta set-up and testing underway. |
| 1619634 | Operational Data Management System - Electric | 05/09/16 | 4,907,000 | 2,474,500 | - | 2,510,050 | (35,550) | 08/11/20 | 101% | 95% | In implementation phase. |
| 1911437 | Citywide Geographic Information System Tech. Upgrade Project | 12/10/18 | 1,206,521 | 480,000 | - | - | 480,000 | 11/07/18 | 0% | 1% | Board approval 12/10/18. |
| 1914017 | Cyber Security Upgrade Project RERC and Springs | 03/25/19 | 220,024 | 220,024 | (896) | 178,595 | 41,429 | 08/31/20 | 81% | 10% | Board approved 4/25. Equipment on hand. |
| 1916742 | Phase 1 LED Conversion | 06/24/19 | 8,560,000 | 8,560,000 | 1,684,245 | 3,693,791 | 4,866,209 | 05/28/20 | 43% | 0% | ON HOLD. |
| 1718078 | Streetlight Replacement Proj- Phase 3 | 07/22/19 | 1,849,000 | 1,849,000 | 78,915 | 614,064 | 1,234,936 | 09/17/20 | 33% | 52% | In Construction. |
| Subtotal of SYSTEM AUTOMATION | | | | 22,262,174 | 2,527,861 | 10,580,578 | 11,681,596 | | | | |
| OTHER PROJECT | | | | | | | | | | | |
| 1104202 | CIS Replacement | 06/01/12 | 9,200,000 | 8,859,000 | - | 8,788,446 | 70,554 | 06/24/19 | 99% | 95% | Completed, pending closure. |
| Subtotal of OTHER PROJECT | | | | 8,859,000 | - | 8,788,446 | 70,554 | | | | |
| RTRP | | | | | | | | | | | |
| 050009/01 | Riverside Transmission Reliability Project (RTRP) (5) | 01/20/06 | 216,515,521 | 216,515,521 | 506,533 | 44,881,930 | 171,633,591 | 09/22/20 | 57% | 17% | Phase I construction (69kV) in progress, Remaining project pieces in Planning and Design stages. |
| Subtotal of RTRP | | | | 216,515,521 | 506,533 | 44,881,930 | 171,633,591 | | | | |
| GRAND TOTAL ELECTRIC FUND - Open Work Orders | | | | 314,127,776 | 4,029,509 | 109,942,767 | 204,185,009 | | | | |

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) Work includes both WO 809099 & 0809101
- (4) Work includes both WO 0704432 & 0704434
- (5) Work includes WO 642975, WO 2006768, WO 2001119
 WO 642975 has Board Approval 08-24-20 authorize to increase wo by \$ 144,910,000 .
 WO 2006768 has Board Approval 11-25-19 with Estimate of 4,109,600 (which is within the amount of 71,605,521).
 WO 2001119 has Board Approval 08-26-19 with Estimate of 585,000 (which is within the amount of 71,605,521).

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