

EMERGENCY WORK FOR PRIMARY CABLE BURN-UP ON MERLIN DRIVE AND LANCELOT COURT

Riverside Public Utilities – Energy Delivery

Board of Public Utilities
November 26, 2018

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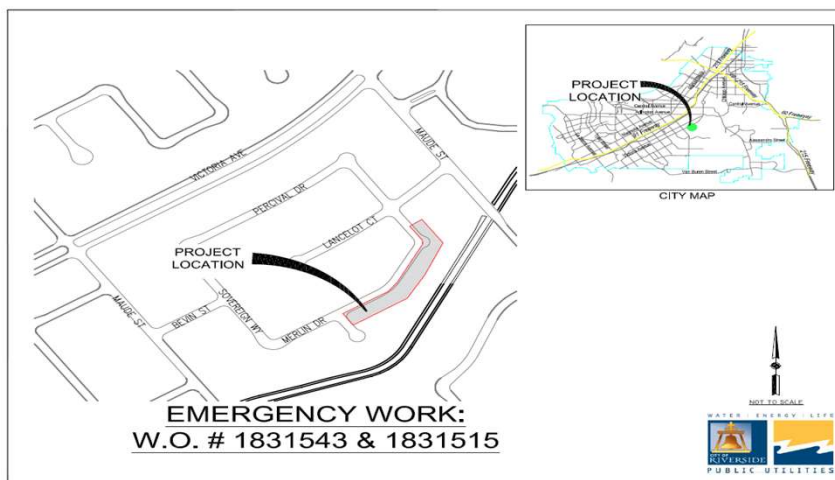
BACKGROUND

1. May 30, 2018 - section of 12 kV Cable in Conduit (CIC) faulted on Merlin Drive easterly of Lancelot Court interrupting service to approximately 9 customers
2. CIC is located underground, typically over 40 years old, brittle and very difficult to remove faulted cables
3. Restoration and repairs required crews to install temporary above ground generators

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BACKGROUND - LOCATION



12 kV Cable in Conduit (CIC) faulted on Merlin Drive

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DISCUSSION

1. High voltage facilities installed above ground pose a risk to the public and should be limited
2. City of Riverside Charter Article XII, Section 1202(b)(2), allows work to be done without prior approval to preserve life, health or property
3. As soon as practicable thereafter, the matter shall be presented to the Board of Public Utilities

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DISCUSSION

1. Contract crews from Doty Bros, from Contractors' Panel, were immediately directed to install 520 feet of trenching and 520 feet of conduit to restore electrical system to normal operating condition
2. Work started on June 1, 2018 and completed June 8, 2018
3. Contractor's cost totaled \$71,803, including weekend work and RPU Inspection
4. City crews installed all electrical cables and accessories for a total amount of \$8,980



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DISCUSSION

1. A plan to replace cable of this type has been implemented
2. Prioritization is based on age of cable and CIC and historical frequency of cable failures
3. Intent is to replace cable prior to failure but this cable failed ahead of planned replacement
4. The condition of failed cable and impact of outage will determine future priority for area



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Recommendation

That the Board of Public Utilities approve Work Order No. 1831543 in the amount of \$71,803 and Work Order No. 1831515 in the amount of \$8,980 for a total amount of \$80,783, in accordance with the City of Riverside Charter Article XII, section 1202(b)(2), for emergency work completed due to the primary cable burn-up on Merlin Drive and Lancelot Court.