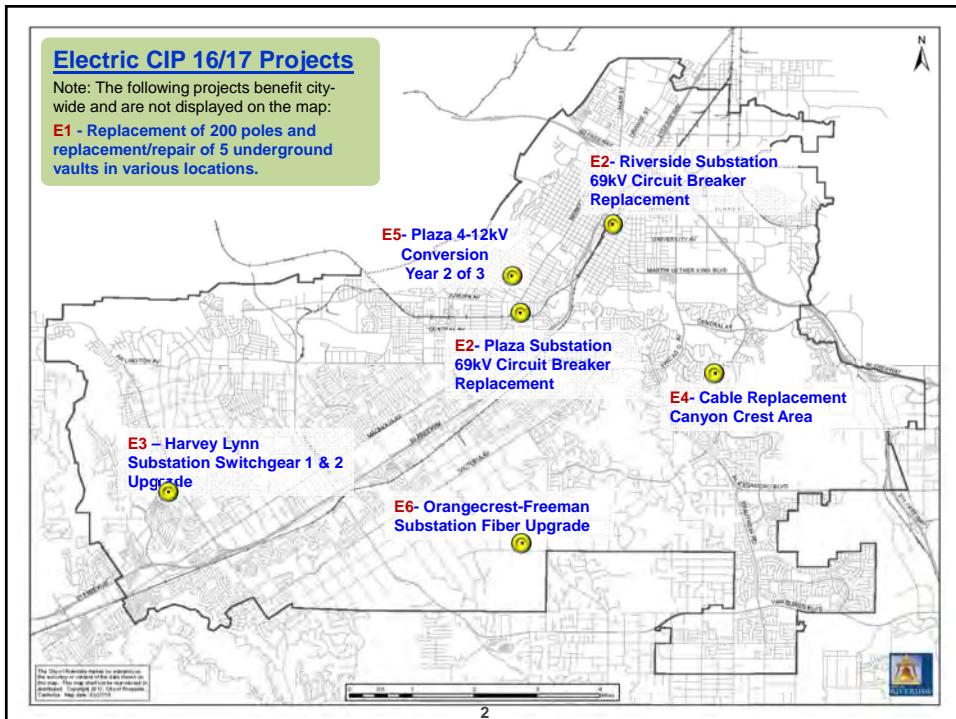
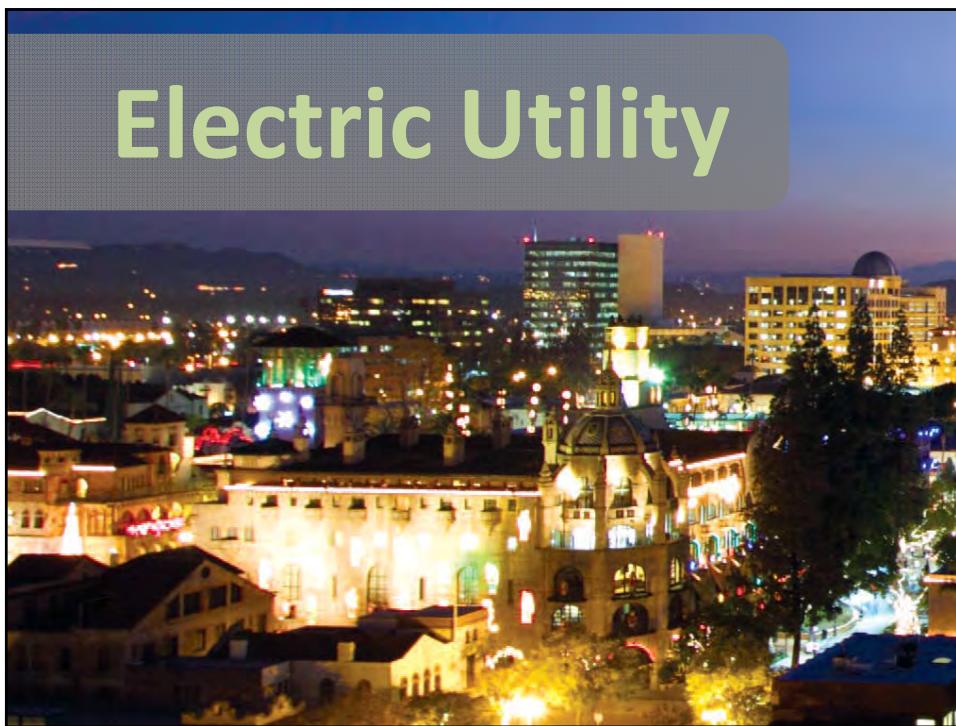


Electric Utility



FY 2016/17 CIP Budget – Electric Utility
Repair/Replacement



Replacement of 200 Poles

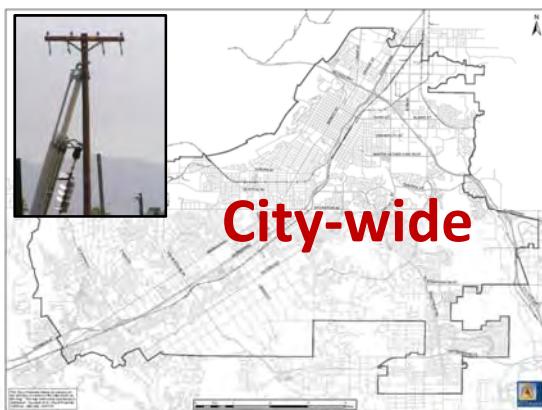


Repair or Replacement of
5 Underground Vaults



3

FY 16-17 Projects
Repair/Replacement



- Replacement of 200 poles.
Repair/ replacement of 5 underground vaults at various locations throughout the City as a result of inspections
- Estimated Project Cost - **\$1,900,000**
- Ward – All
- Map location – **E1**



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4

FY 2016/17 CIP Budget – Electric Utility

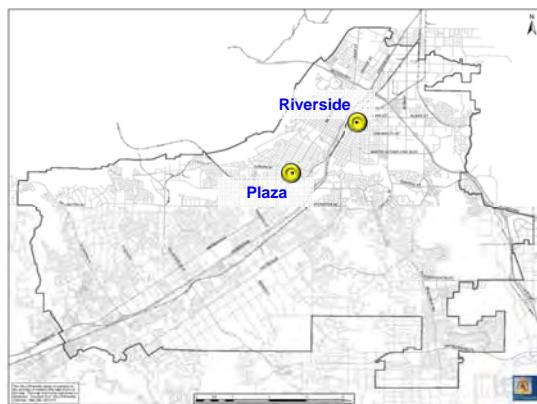
Substation Bus & Upgrades

Substation Breaker Replacement



5

FY 16-17 Projects Substation Bus & Upgrades



- 69kV (kilo-Volt) Circuit Breaker Replacement – Riverside, Plaza Substations
- Estimated Project Cost - \$1,700,000
- Ward – 1,2,3
- Map location – E2



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FY 2016/17 CIP Budget – Electric Utility

Substation Transformer/Switchgear Additions



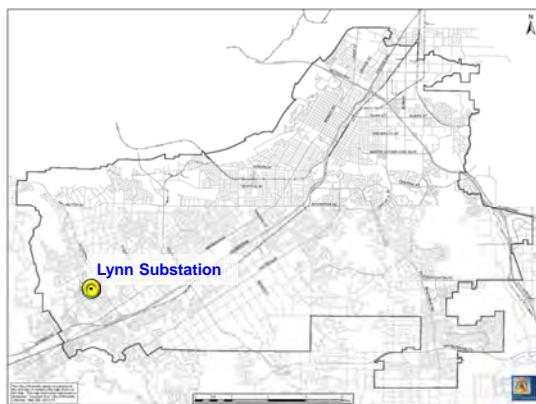
Substation Switchgear Upgrades



7



FY 16-17 Projects Substation Transformer/Switchgear Additions



- Harvey Lynn Substation Switchgear Upgrade
- Estimated Project Cost - **\$4,400,000**
- Ward – 5,6,7
- Map location – **E3**

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8



FY 2016/17 CIP Budget – Electric Utility

Aging Infrastructure Replacement



4-12kV Conversion Program

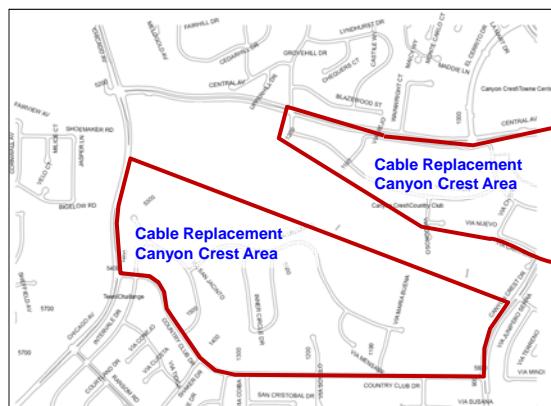


Underground Cable Replacement Program

9



FY 16-17 Projects Aging Infrastructure Replacement



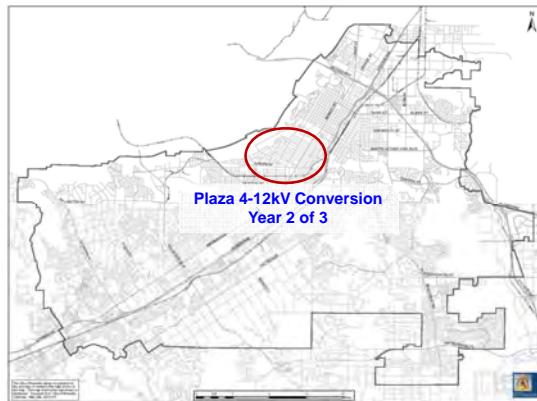
- Underground Cable replacement – Canyon Crest Areas
- Estimated Project Cost - **\$1,500,000**
- Ward – 2
- Map location – **E4**

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FY 16-17 Projects Aging Infrastructure Replacement



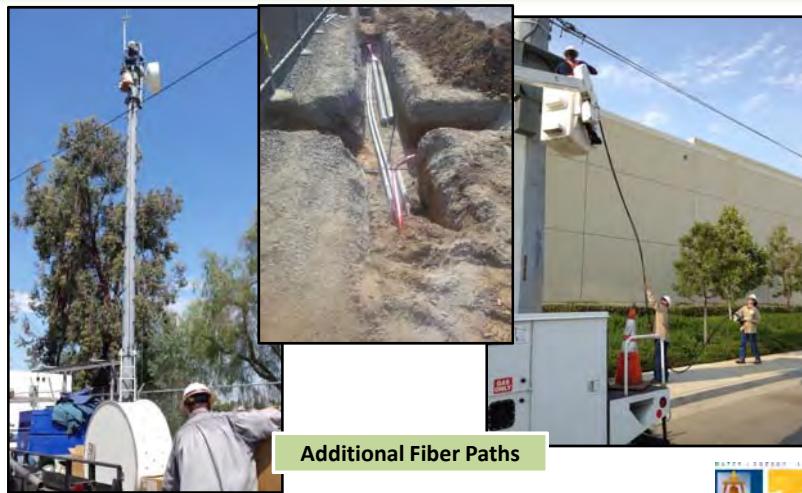
- Plaza Substation Area 4-12kV (kilo-Volt) conversion – Year 2 of 3
- Estimated Project Cost - **\$2,800,000**
- Ward – 1, 3
- Map location – **E5**



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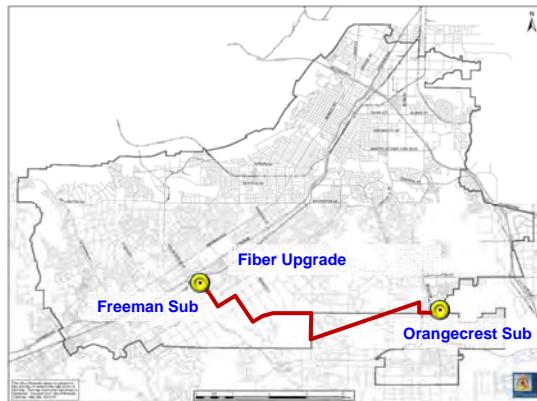
11

FY 2016/17 CIP Budget – Electric Utility City-Wide Communications



FY 16-17 Projects

City-wide Communication Network



- Orangecrest-Freeman Substation fiber upgrade
- Estimated Project Cost - **\$1,400,000**
- Ward – 4,5
- Map location – **E6**

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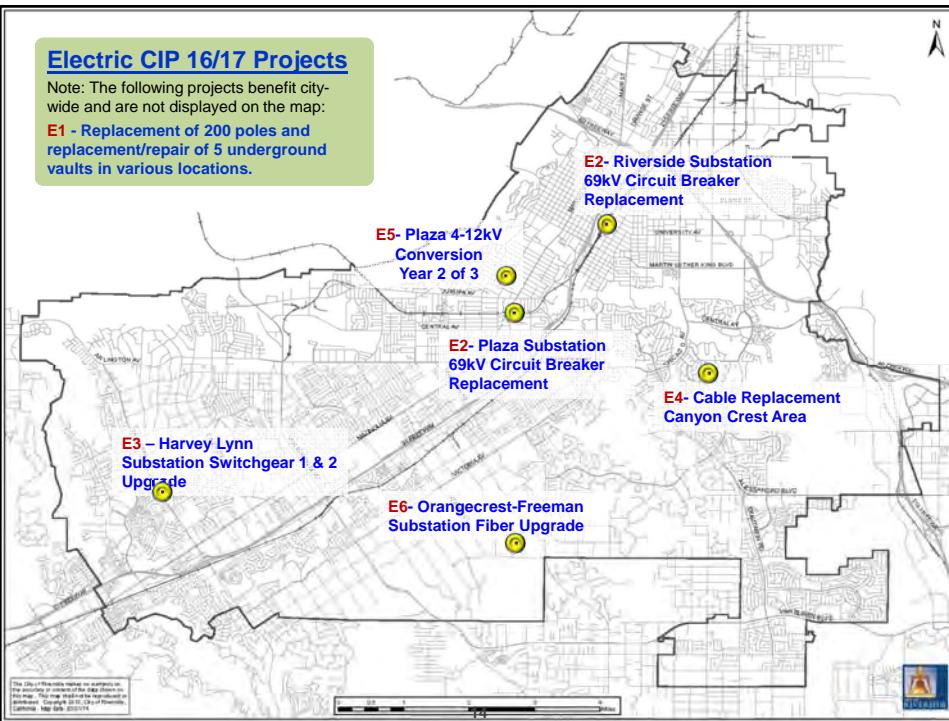


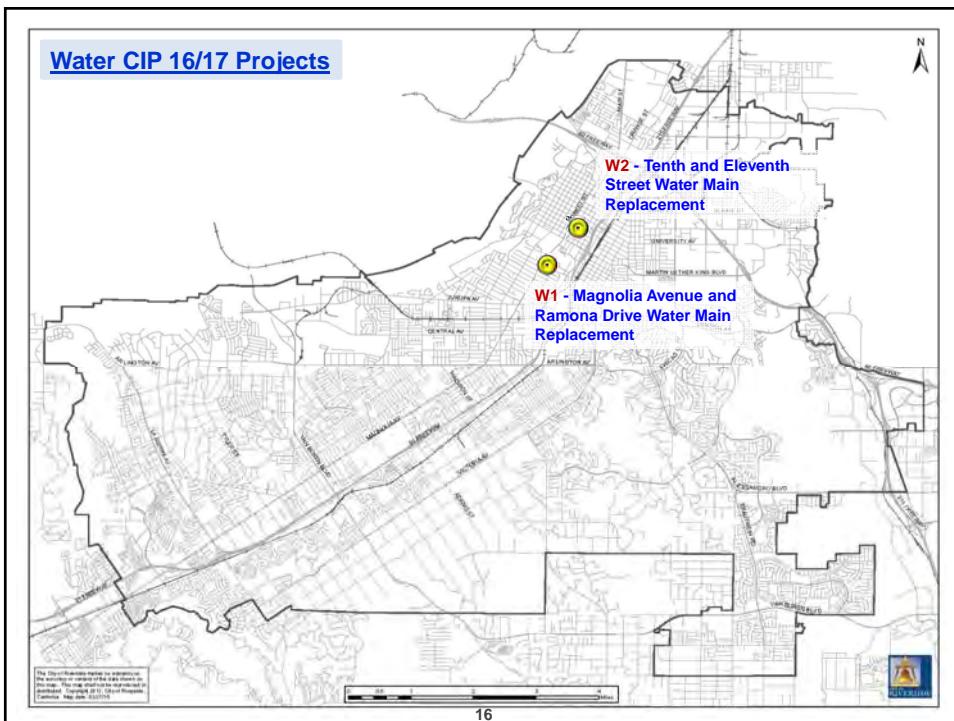
13

Electric CIP 16/17 Projects

Note: The following projects benefit city-wide and are not displayed on the map:

E1 - Replacement of 200 poles and replacement/repair of 5 underground vaults in various locations.





FY 2016/17 CIP Budget – Water Utility

Main Replacement Projects



17



FY 16-17 Projects Magnolia Avenue and Ramona Drive Water Main Replacement



- Replace old and undersized cast iron/steel mains and build ~ 7,400 LF of new ductile iron water mains for water system reliability.
- Estimated Project Cost – **\$3,240,000**
- Ward – 1
- Map location – **W1**



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FY 16-17 Projects

Tenth and Eleventh Street Water Main Replacement



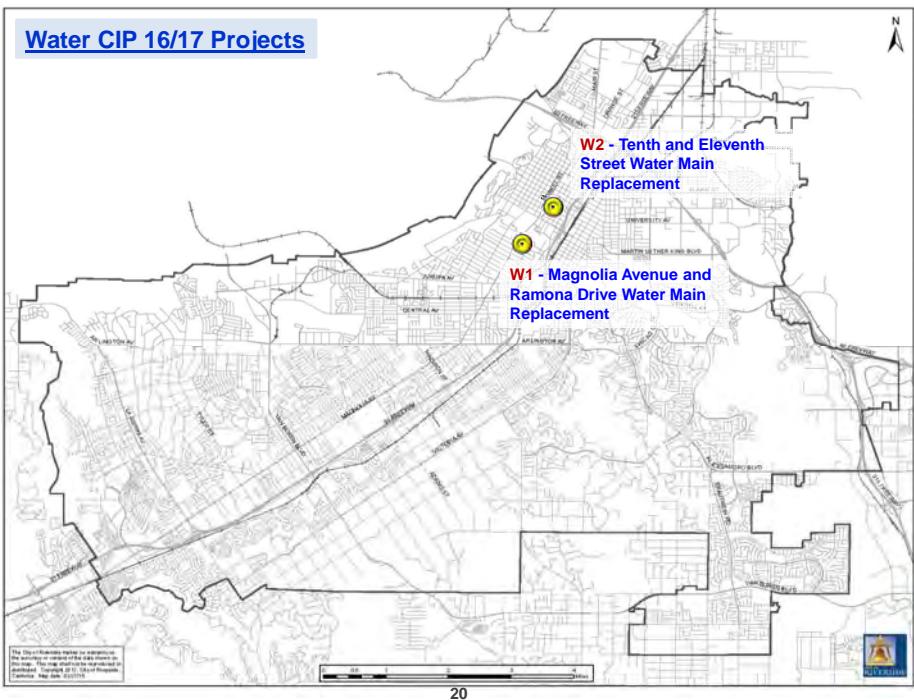
- Replace old and undersized cast iron/steel mains and build ~ 4,100 LF of new ductile iron water mains for water system reliability.
- Estimated Project Cost – **\$2,210,000**
- Ward – 1
- Map location – **W2**



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Water CIP 16/17 Projects



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