

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

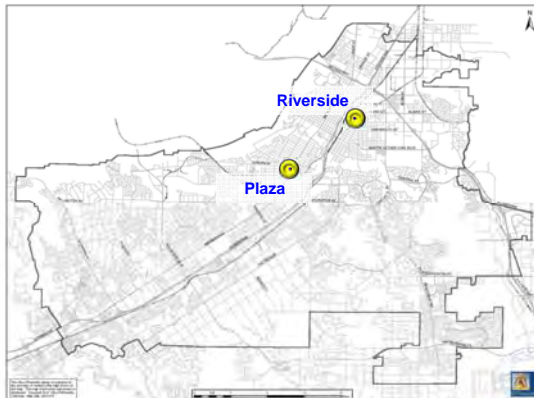
Substation Bus & Upgrades

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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6

FY 2016/17 CIP Budget – Electric Utility

Substation Transformer/Switchgear Additions

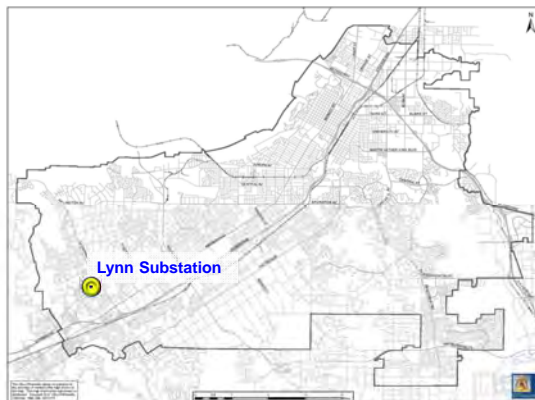


Substation Switchgear Upgrades



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

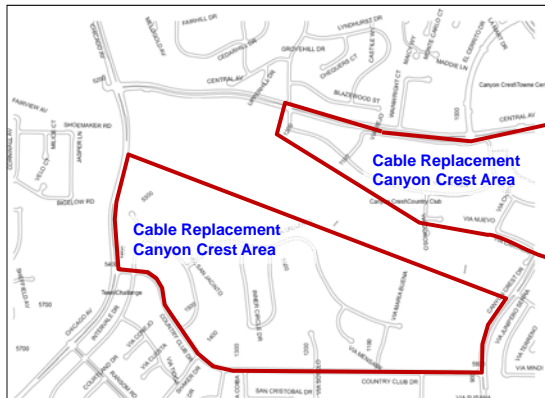


Underground Cable Replacement Program



9

FY 16-17 Projects Aging Infrastructure Replacement



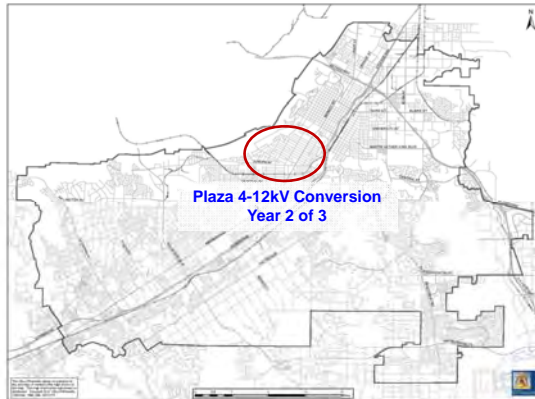
- Underground Cable replacement – Canyon Crest Areas
- Estimated Project Cost - **\$1,500,000**
- Ward – 2
- Map location – **E4**



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10

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**

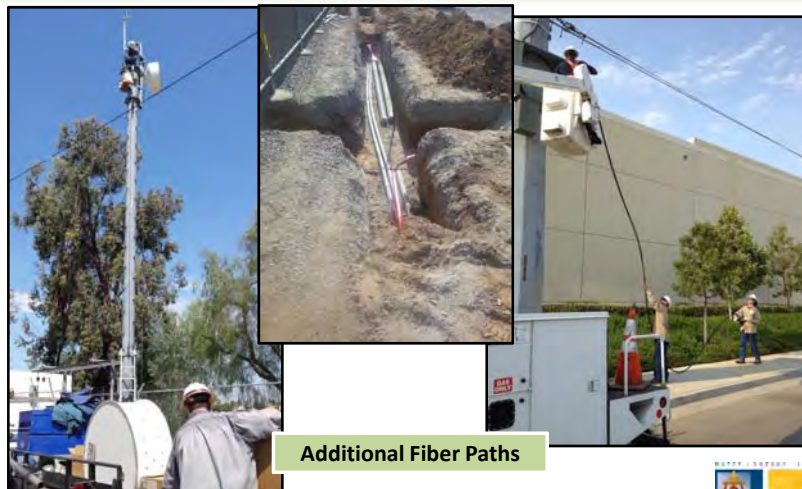
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11

FY 2016/17 CIP Budget – Electric Utility

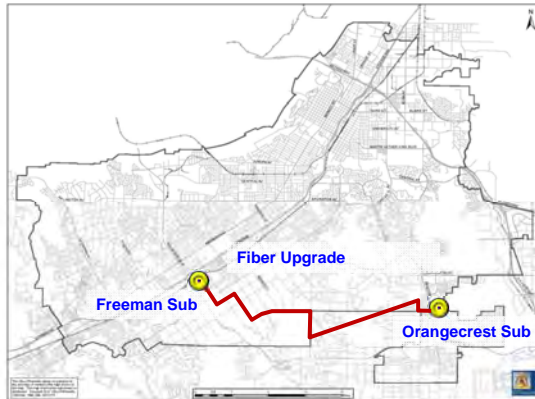
City-Wide Communications



Additional Fiber Paths



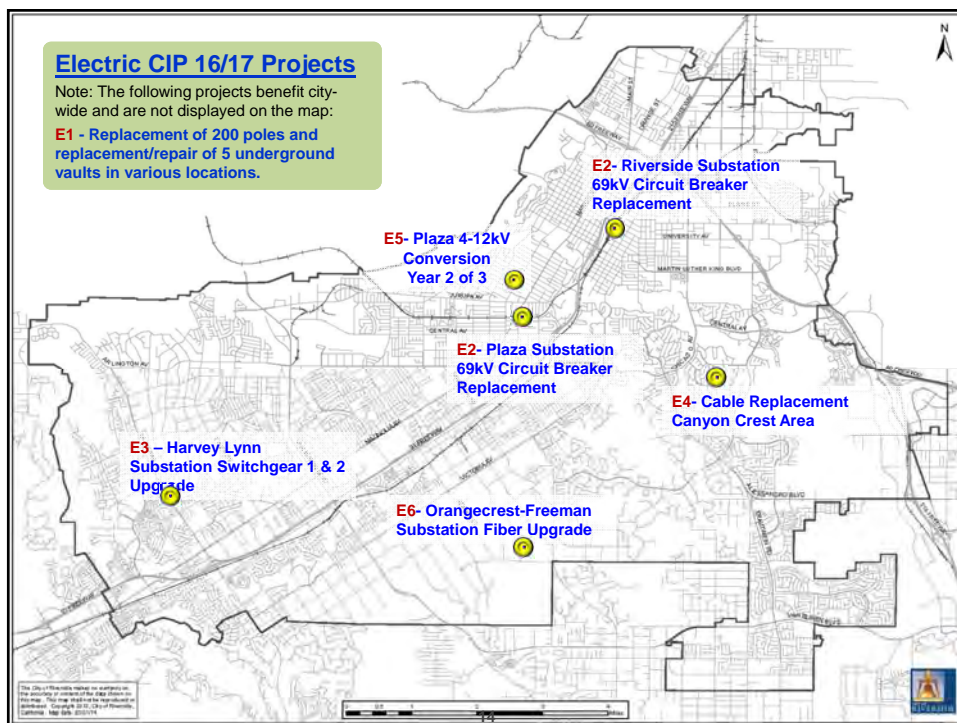
FY 16-17 Projects City-wide Communication Network

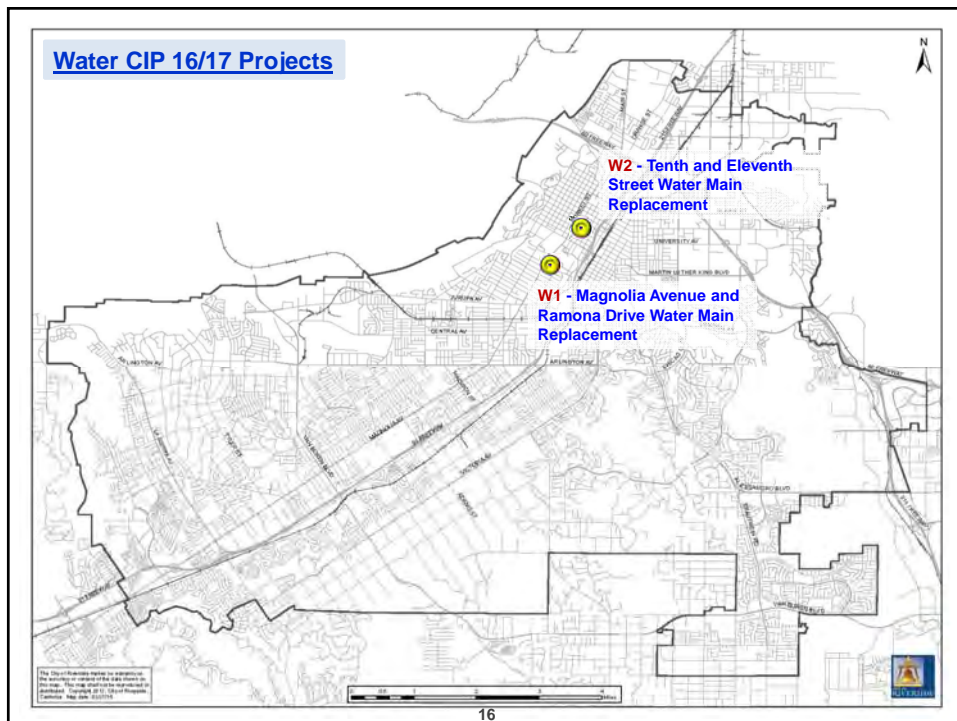


- Orangecrest-Freeman Substation fiber upgrade
- Estimated Project Cost - **\$1,400,000**
- Ward – 4,5
- Map location – **E6**

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13





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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18

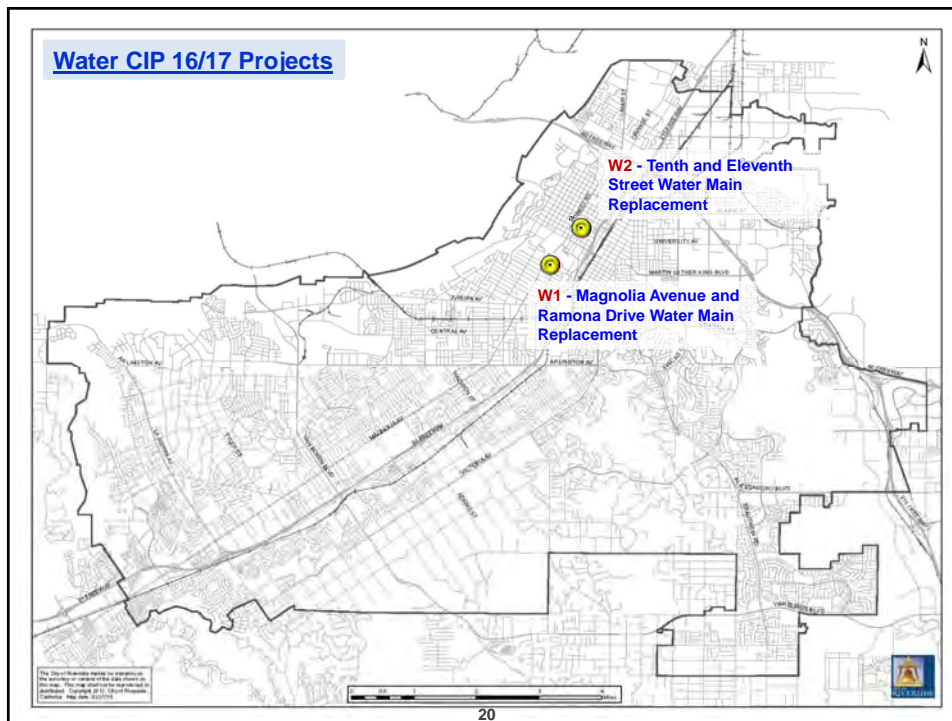
FY 16-17 Projects Tenth and Eleventh Street Water Main Replacement



- 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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19



20