



Support and Participation in Riverside County's Broadband Fiber to the Premise Master Plan

Innovation and Technology

City Council Meeting
February 21, 2017

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INTRODUCTION

1. This presentation and report requests the City Council to Adopt a Resolution setting forth support and participation in Riverside County's Broadband Fiber to the Premise Master Plan
2. The County's goal is to create the conditions for the private sector to see the new opportunities that will lead to the construction of the largest such high-speed broadband network in the country
3. The County will seek out broadband providers who will work with the County to ensure that every home and every business within the City and County has access to high-quality broadband services, at affordable rates.



2

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BACKGROUND

1. On September 20, 2016 Riverside County adopted a resolution setting forth their support for a Broadband Fiber to the Premise Master Plan
2. Initiative is known as RIVCOconnect
3. The City is seeking to support and participate in this Master Plan



3

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HIGH-SPEED BROADBAND

What are we calling High-Speed Broadband and what should it cost?

1. Gigabit Internet speed is defined as 1 Gigabit of data transferred per second (Gbps)
2. The County's plan would provide all residences and businesses in the City and County of Riverside, with such service most optimally provided by way of Fiber Optic cabling to every home, or Fiber to the Premises (FTTP)
3. The County asserts that 1Gbps residential service should be available at rates provided in other Gig communities - \$70 per month



4

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HIGH-SPEED BROADBAND (CONT.)



What is RIVCOconnect all about?

1. Privately-owned and operated – Not funded by County, City, or other communities
2. Remove the roadblocks, offer assets at a reasonable rate to invite carriers to bid for the build-out
3. This is what **RIVCOconnect** wants to bring to the City and County of Riverside



5

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THE BENEFITS... WHY



What benefits will fall to the County, Cities, Tribes, schools? Why is this important to have?

1. Higher speed Internet connections, lower costs
2. Bridge the Digital Divide to bring the 21st Century to all Riverside County residents, schools and businesses
3. Employment tools for those in need of work; research capabilities for students and schools; analytics, metrics and marketing for businesses; health care and assistance for seniors; Telemedicine; 4K video streaming; telecommuting potential; and digital access for all, despite socio-economic status.



6

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THE BENEFITS... WHY (CONT.)



What benefits will fall to the County, Cities, Tribes, schools? Why is this important to have?

1. Attract high-tech businesses, expand higher education, attract new college graduates and retain local students.
2. Better careers, better place to raise families



7

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THE OBSTACLES – WHAT'S STANDING IN THE WAY?



1. It is estimated that *as much as 30% of the cost* to build out a fiber network is taken up in permitting process inefficiencies, regulatory burdens, high cost of land acquisitions, and onerous costs and time constraints to bring fiber into the rights of way.
2. Permitting Processes, Building Codes and Other Levels of Red Tape (Municipal, County, State)



8



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THE OBSTACLES – WHAT'S STANDING IN THE WAY? (CONT.)



1. Land availability for fiber huts and network devices, CEQA.
2. Access to poles and other assets for infrastructure
3. Vendor Hesitation – Why take the chance? They can legally service smaller areas that present lower risk of investment. What benefits can we offer that will justify a greater commitment on their part?



9

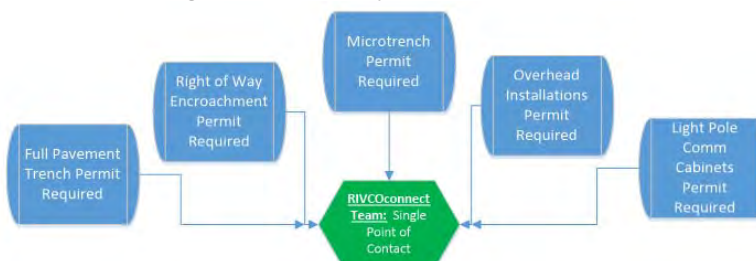
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SOLUTIONS: WHAT RIVCOCONNECT IS DOING... PERMITTING PROCESSES



Incentivize the construction of private networks by expediting permitting processes and eliminating overlapping documents and steps.

Current County processes for permitting traffic construction have been streamlined by providing a single point of contact, simplifying the submission of applications and drawings, the use of deposit-based fees, and by allowing up to thirty blocks, thirty streets, or even an entire neighborhood on just one permit application



10

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SOLUTIONS: WHAT RIVCOCONNECT IS DOING... ACCESS TO SMALL PARCELS, ASSETS AND EASEMENTS



1. Fiber Networks require the placement of Fiber Huts
2. One hut for every 30,000 households.
3. Requires a 20 X 36 foot plot of ground
4. Wide array of communications hardware and equipment need to be placed.



11



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SOLUTIONS: WHAT RIVCOCONNECT IS DOING... ACCESS TO SMALL PARCELS, ASSETS AND EASEMENTS (CONT.)



1. Need to compile a database of available assets
2. Vaults and pedestals
3. Pole boxes
4. Light poles
5. Rights of way
6. Anchor tenancy options



12



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...AND WHAT YOU CAN DO TO MAKE IT HAPPEN!



1. Evaluate your own internal permitting procedures and see where they can be streamlined. Coordinated cross-jurisdictional permitting processes provide our best chance for success
2. Determine what municipal assets and infrastructure might be made available – at a reasonable cost – to the awarded service providers
 - A. To aid in a timely and efficient build out of the fiber network.
 - B. This might include plots of land for fiber enclosures, street light or traffic poles, rooftops or new development (for new fiber conduits)



13

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...AND WHAT YOU CAN DO TO MAKE IT HAPPEN! (CONT.)



1. Anchor Tenancy – offer to become a customer to the new provider
2. And last but not least, please join us – sign the Resolution and become part of the new Gigabit County



14

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RECOMMENDATION

That the City Council Adopt a Resolution setting forth support and participation in Riverside County's Broadband Fiber to the Premise Master Plan.

