

# **Dig Once Policy Update**

## **Enhancing Fiber Deployment & Coordination**

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# Enhancing Fiber Deployment

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# Background

## Emerging landscape for voice and DATA

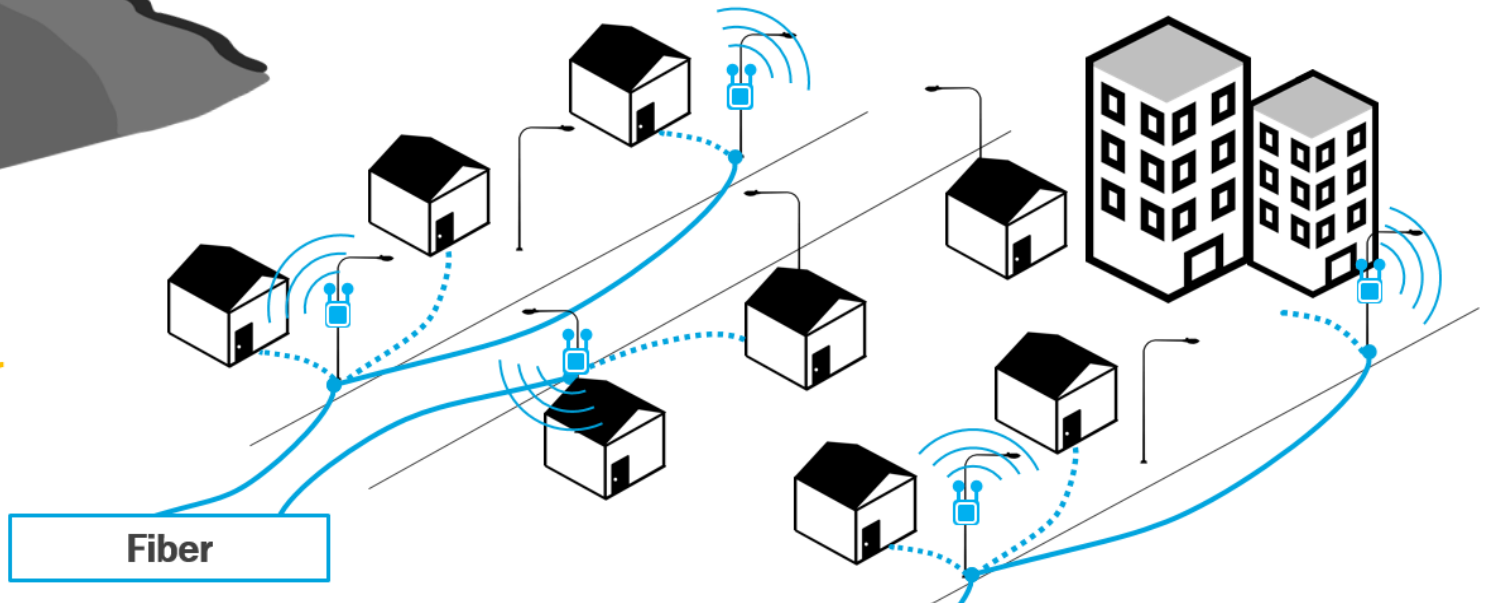
*Effective in Dense Urban, Urban, and Suburban*



**Cell towers: carry all mobile voice & some data**

 **4G/5G Small-Cells**

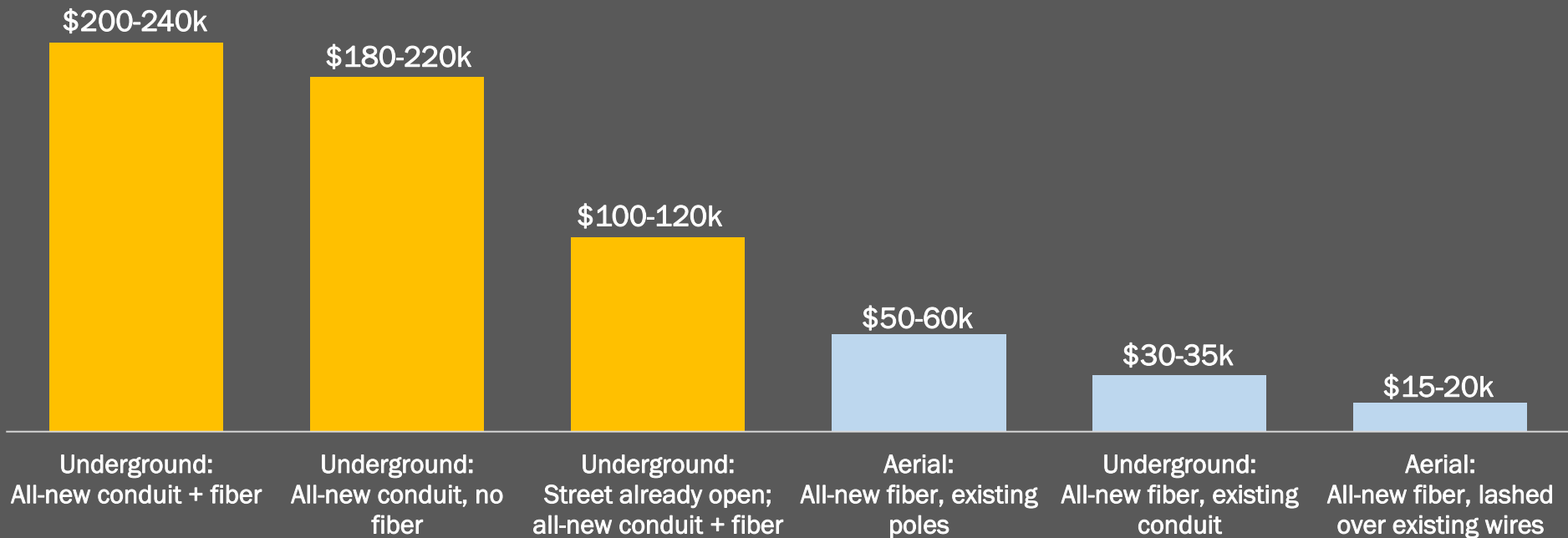
**Gigabit speed  
up to 50x faster**



**Fiber**

# Background

## Fiber deployment costs (per mile)



These costs are for **passing fiber along or through the street**, not connecting individual buildings (i.e., fiber-to-the-premises, FTTP). Providing FTTP would entail an **additional cost of \$2,000-6,000 per building**. Aerial costs include make-ready for new poles, design, cable placement, splicing and quality control.

**Source:** Consultant analysis, CTC reports on connecting schools to fiber, Santa Cruz FTTH analysis and other sources

# Goals and Desired Outcomes



Increase Speed of Deployment

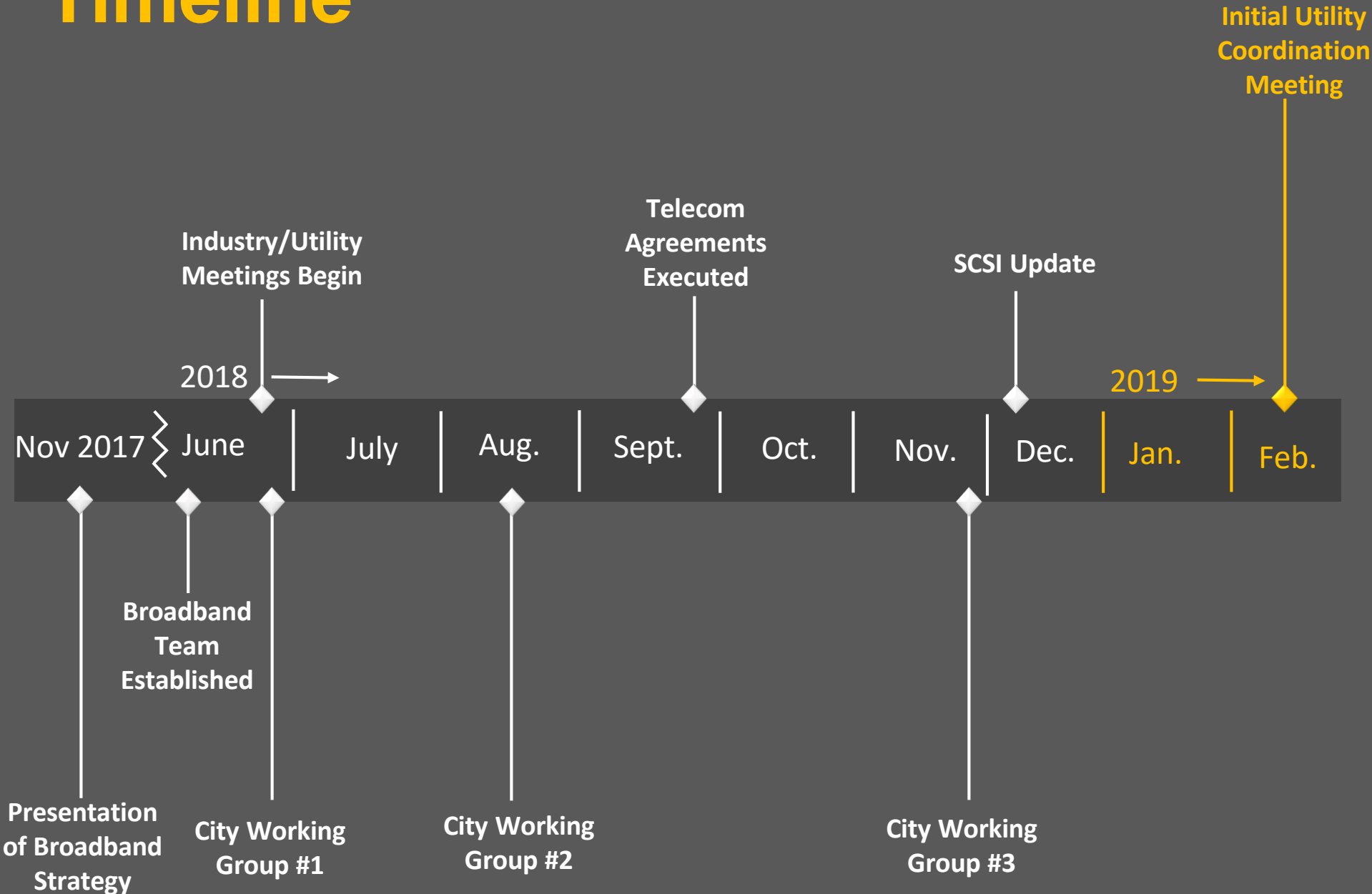


Reduce Cost and Disruption

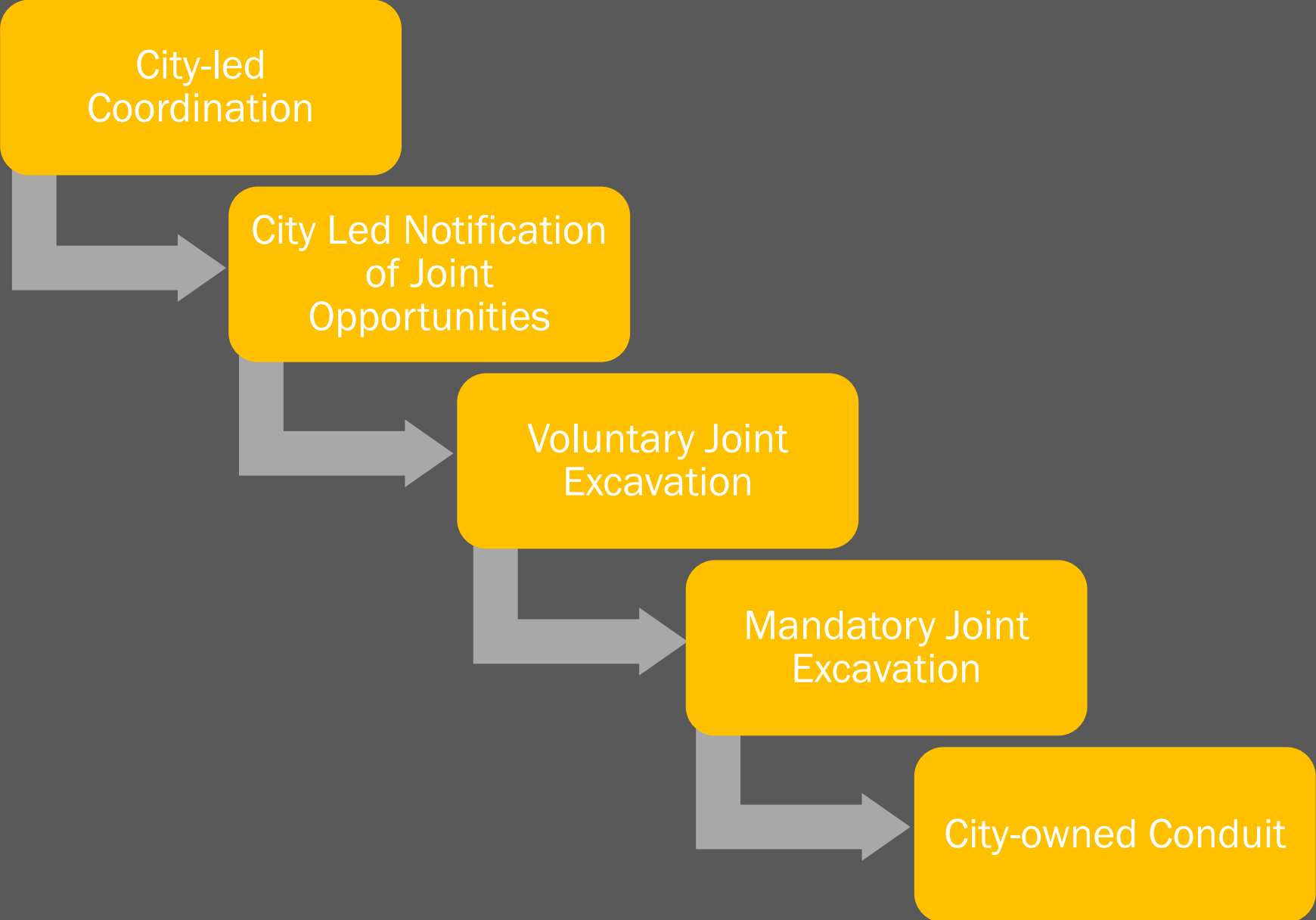


Preserve the Integrity of City Assets

# Timeline



# Options to Enhance Fiber Deployment



# Current Efforts

## Data

- Expanding GIS & Spatial Capabilities
- Sharing City street moratorium and future paving plans

## Process

- Communicating requirements and review standards
- Streamlining permit contacts and teams
- Evaluating additional technology to ease permit submissions

## Relationships

- Continuing to evaluate and establish new public-private partnerships



# Next Steps

1

Continue to expand current efforts

2

Hold February coordination meeting with utilities

3

Evaluate potential pilot opportunities

4

Provide update to the Committee in May 2019

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