

Florida League of Cities

August 10, 2022

City Connectivity:
***"Making Progress by
Connecting One
Community at a Time"***

Courtney Violette
Magellan, COO

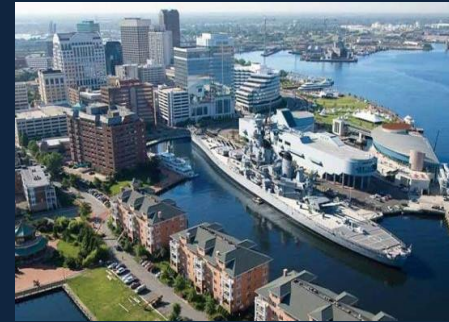
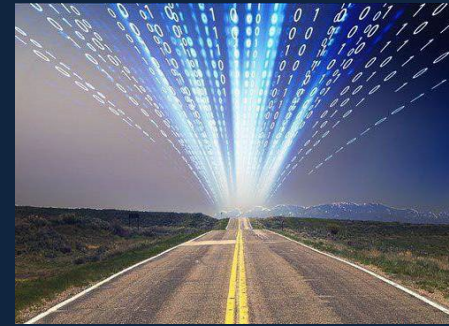


Proven Process. Proven Results.

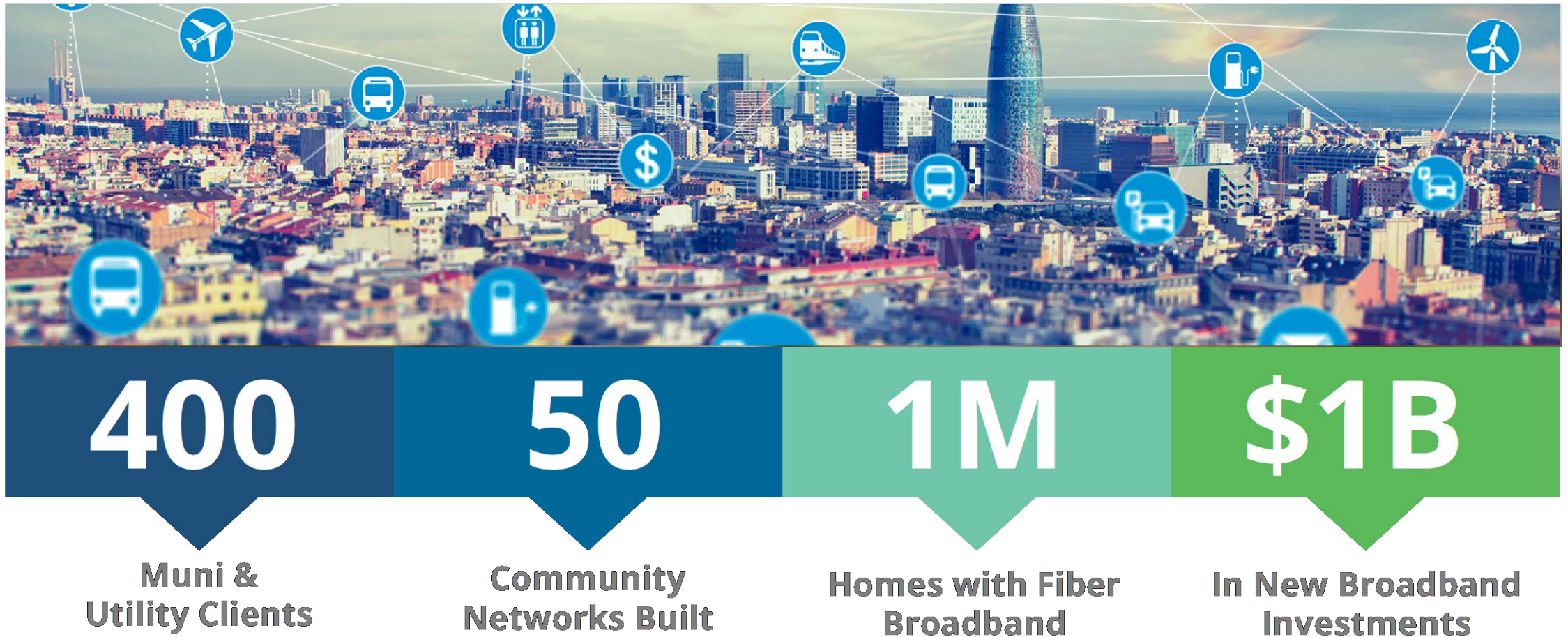


Over 400 municipalities, broadband providers and utilities/coops rely on Magellan to develop their fiber and broadband networks.

- Purpose-built to support economic development, education, healthcare, smart city and the internet of things
- Custom-designed fiber and wireless broadband networks to achieve each community's unique goals



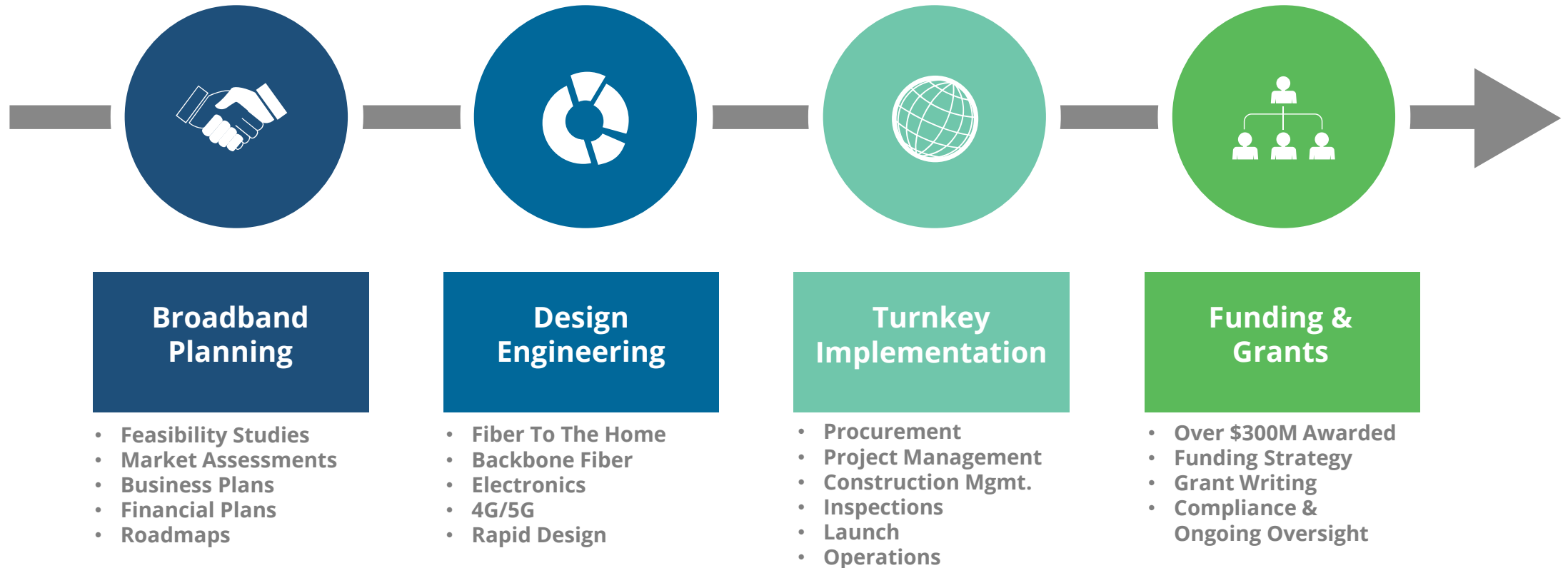
Overview



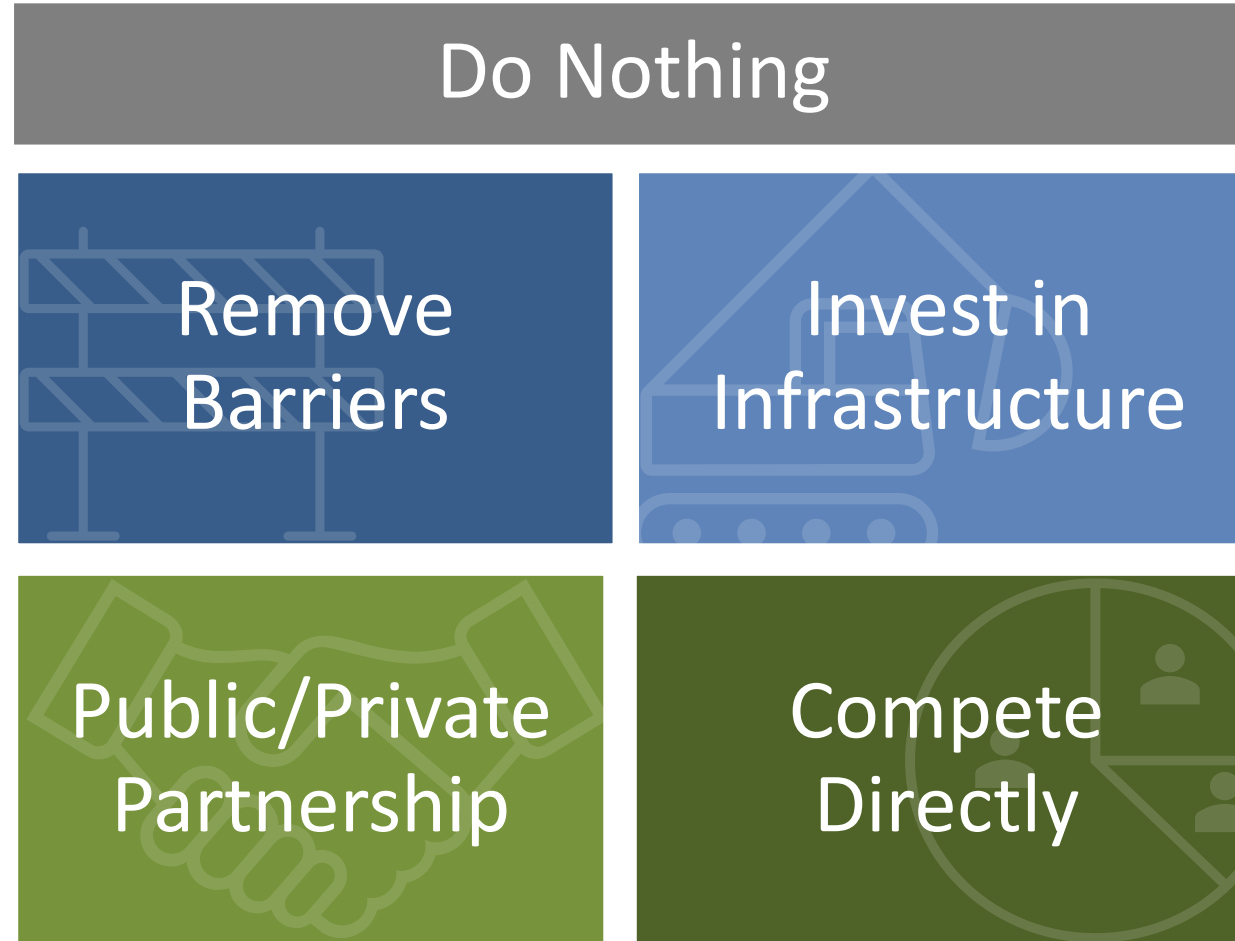
Turnkey Broadband Development



PLANNING, ENGINEERING, IMPLEMENTATION & FUNDING



Role of Government



Local Government's Role In Broadband



Counties, cities & school districts have **positive impacts** on broadband in thousands of communities across the U.S.

Broadband **includes all connectivity within communities**, to all users

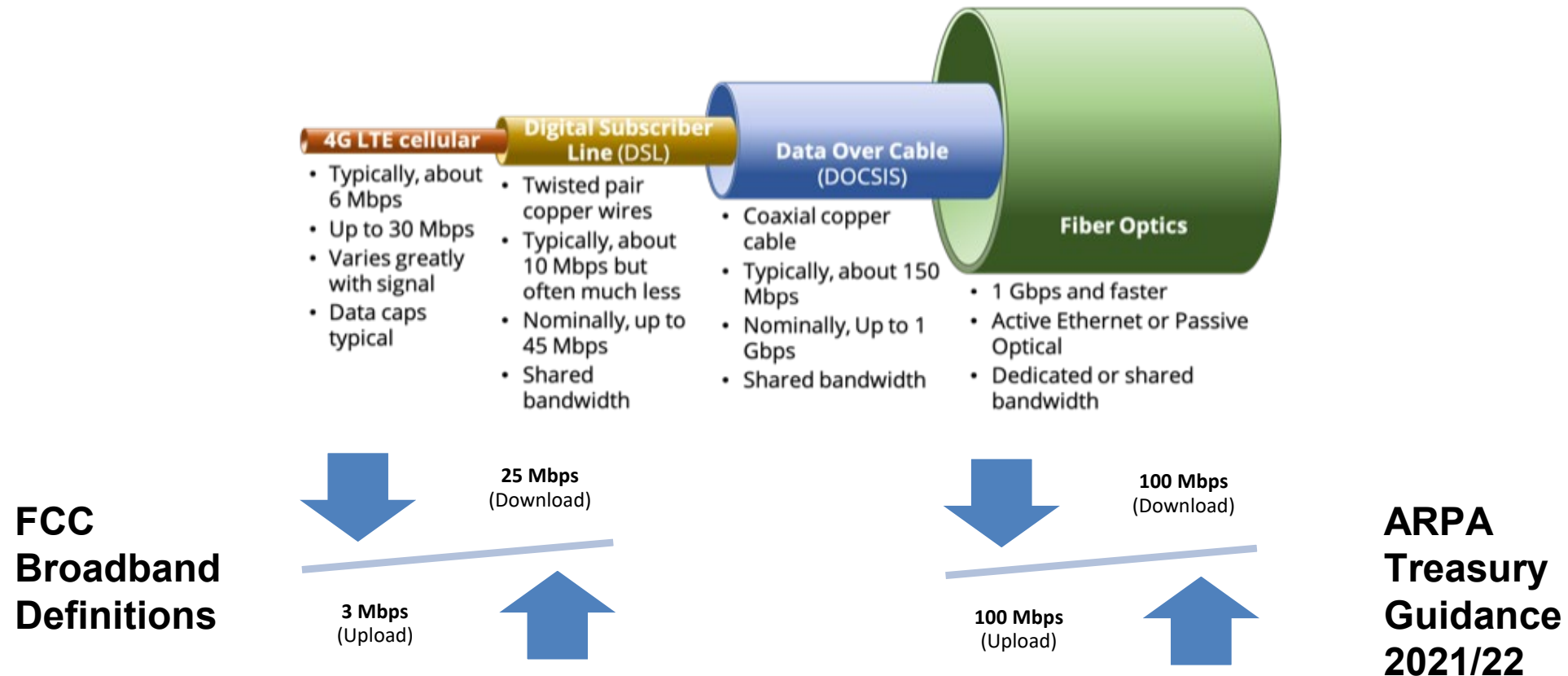
Fiber-rich communities are **better positioned for the digital economy**

Fiber & wireless infrastructures are **critical local governments needs**

Ownership creates **maximum benefits for communities**

- **Reduces** ongoing telecommunications **costs**
- **Supports connectivity needs** of schools, libraries, healthcare & public safety
- **Enables** modernized water, sewer and electric **communications**
- **Creates a platform** for broadband & introduces **competitive, affordable solutions** that can empower private-sector providers

What is Broadband?



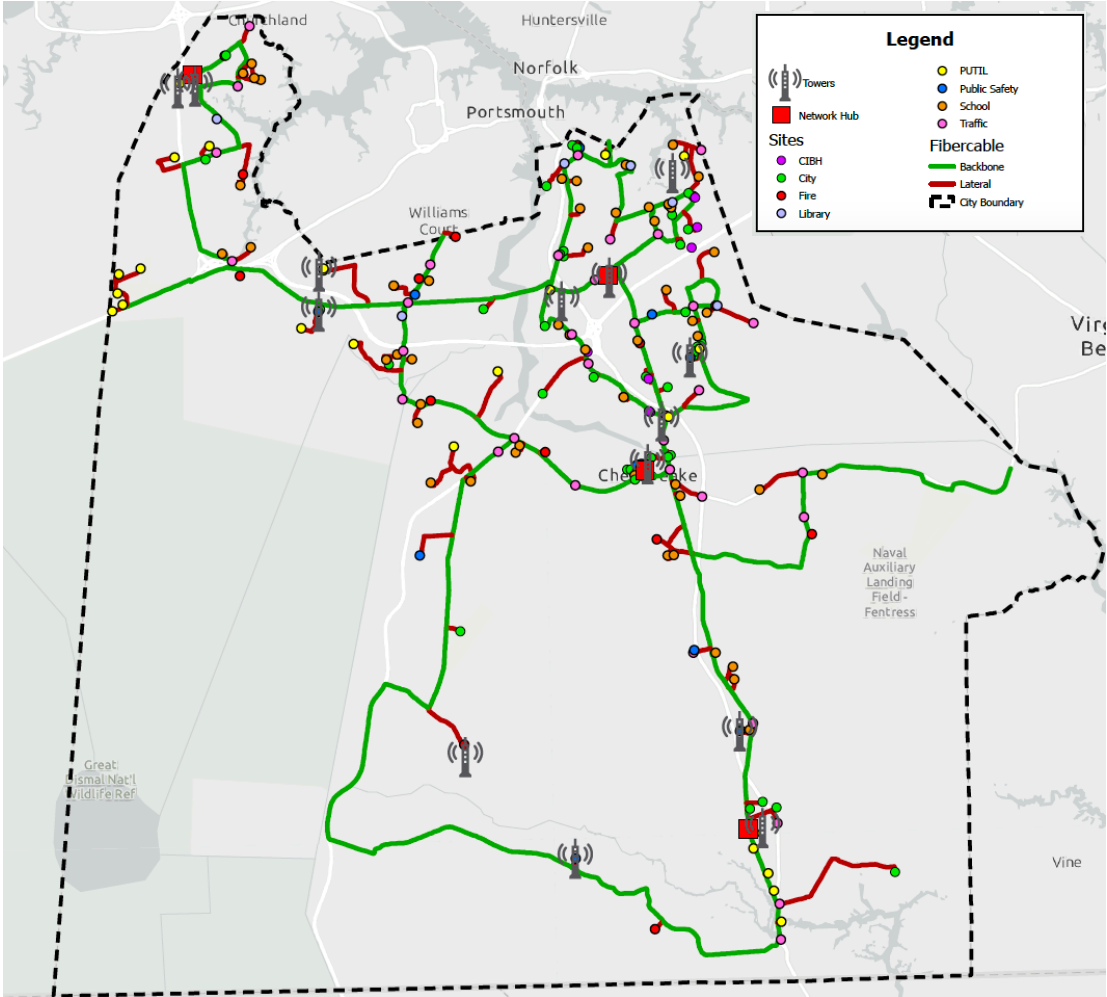
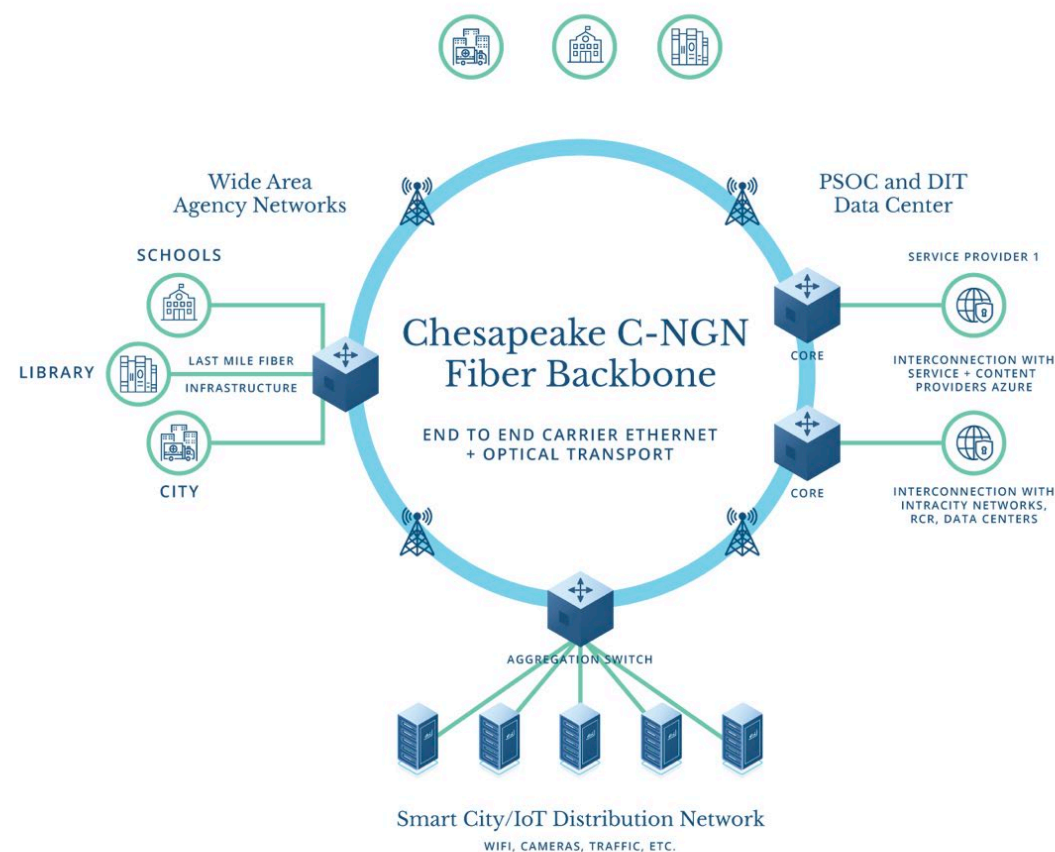
Final Rule 1/7/22

“Examples of need include lack of access to a connection that reliably meets or exceeds symmetrical 100 Mbps download and upload speeds, lack of affordable access to broadband service, or lack of reliable broadband service.”

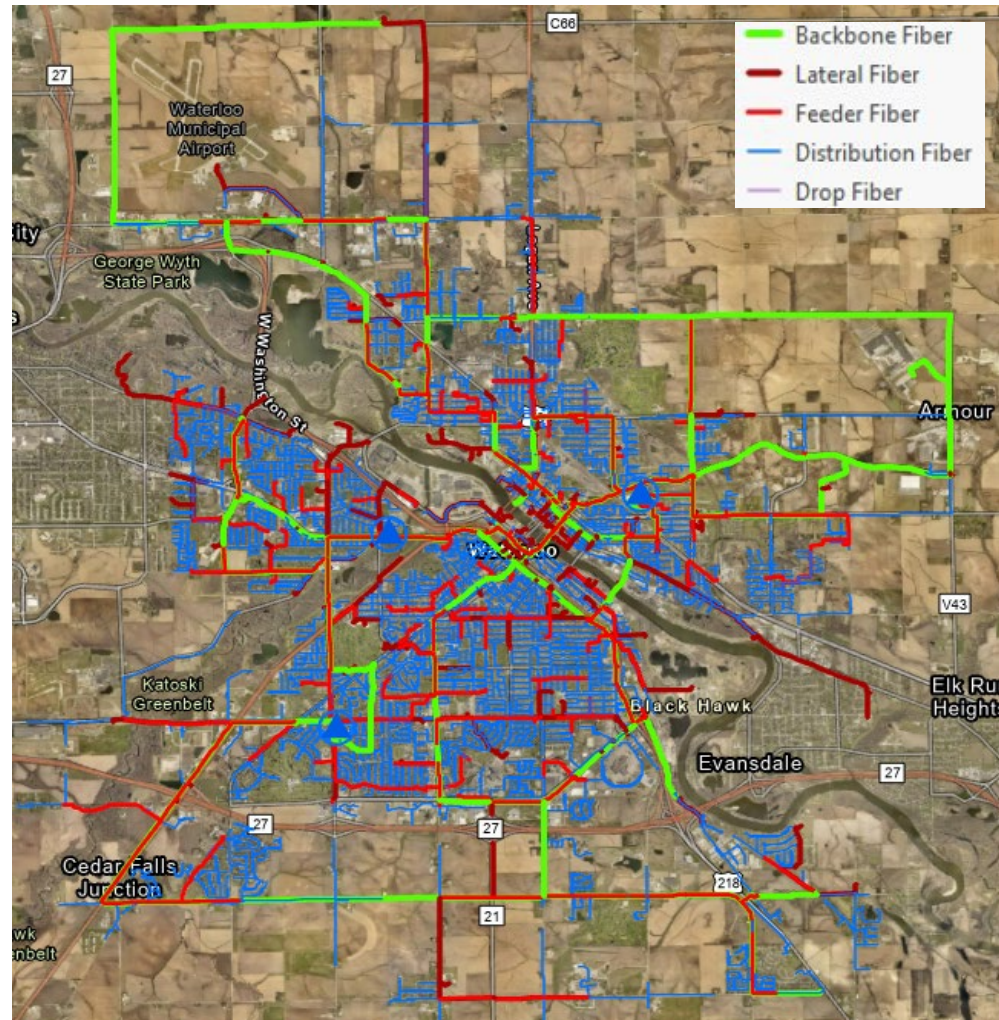
Determining Connectivity Needs



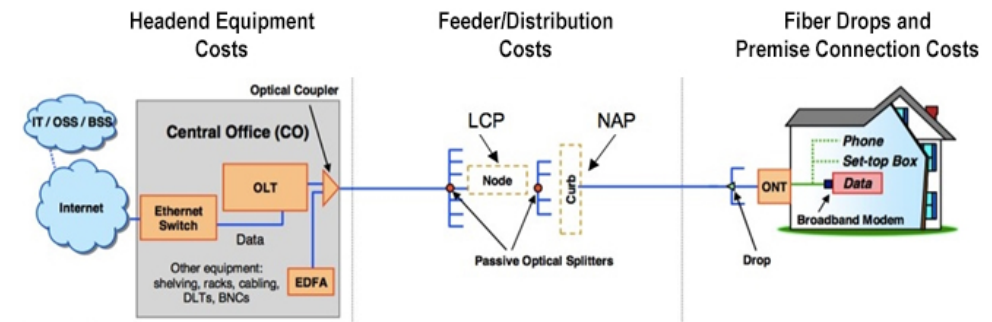
Plan for Fiber-Optic Backbone Connectivity to Support the Municipal Enterprise



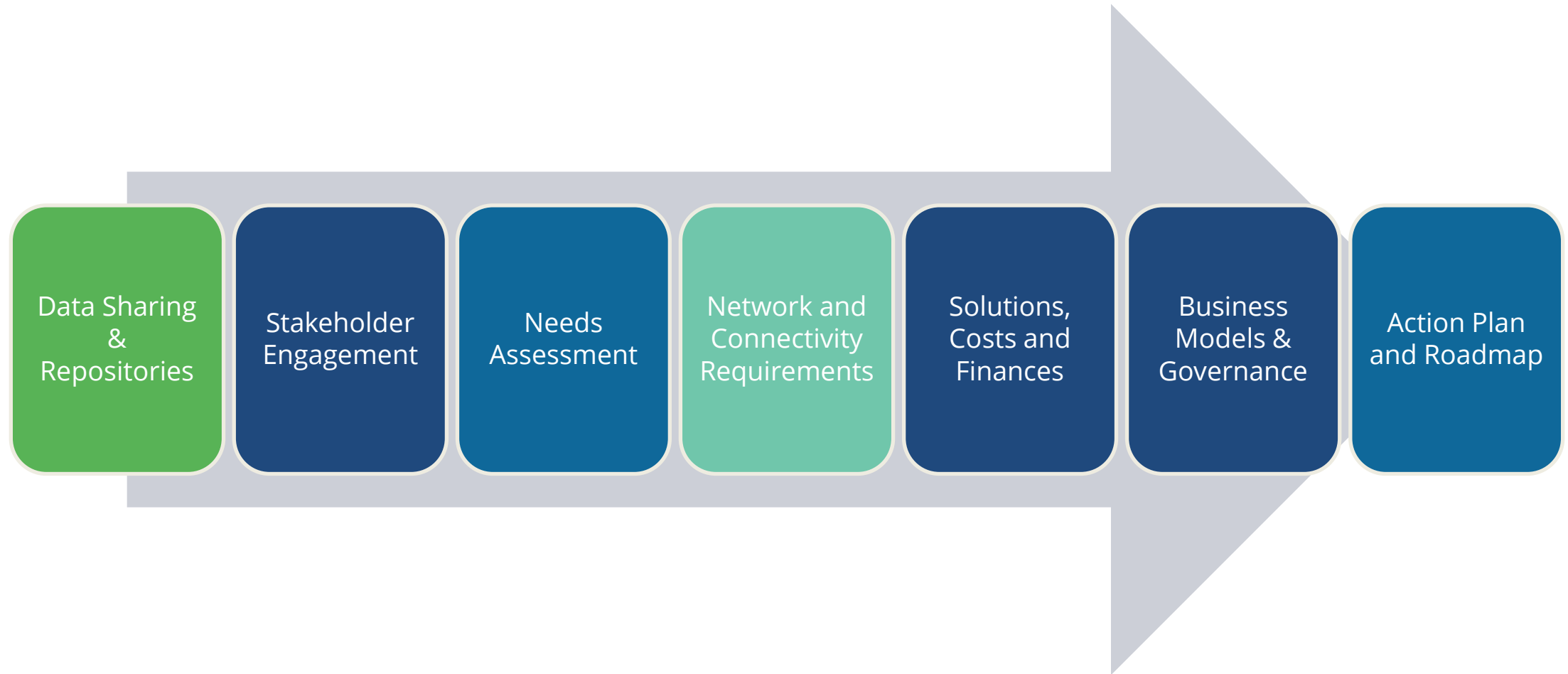
Determining Connectivity Needs



Last-Mile Connectivity for Residents and Businesses



Methodology/Approach



Methodology/Approach



The Broadband Planning Toolkit follows a nine (9) step process:



Trends across the U.S.



Enterprise Backbone and Wireless
Connectivity and Smart City



Last-Mile Retail Services
(residential/business)



What are cities doing in Florida?



Enterprise Backbone and Wireless
Connectivity and Smart City



CITY OF FORT LAUDERDALE



WINTER HAVEN
The Chain of Lakes City



Last-Mile Retail Services
(residential/business)



FORT PIERCE UTILITIES AUTHORITY

City of
Gainesville



Funding

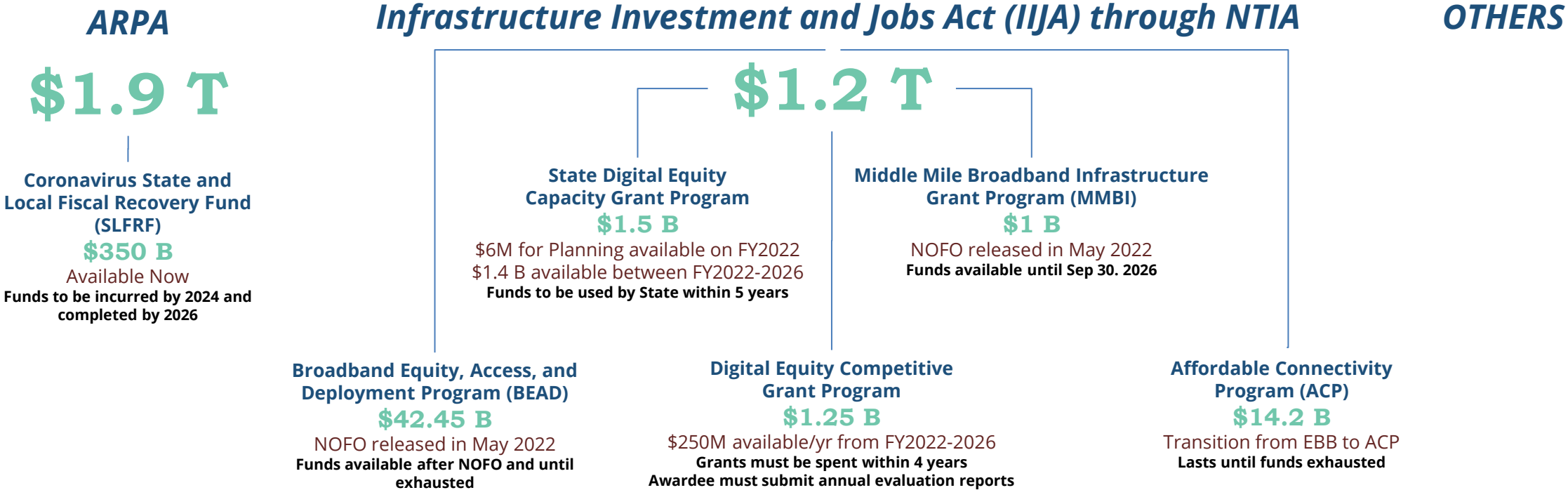


Bonds

Special Assessments

State of Florida Grants

Federal



WHAT CAN YOU DO AS A CITY IN FLORIDA?

1. Plan for the future, understand your city's connectivity needs not only today but over the next 5, 10 and even 20 years.
2. Understand and evaluate the networks and services that you utilize today and inventory your networks. Most cities have multiple disparate networks for city IT, utilities, traffic, public safety, and to support a mobile workforce.
3. Work with your Community Anchor partners and your community to understand their needs, and to collaborate and cost share where possible.
4. Build, own and operate network infrastructure and assets where it makes sense, including fiber and wireless networks, and towers.
5. Engage with your current providers, partner with and incentivize new providers to enter your market to drive competition and lower pricing
6. And even, deploy last-mile infrastructure and services where warranted.

Questions to Ask



1 What are my City's connectivity requirements today? Tomorrow?

2 What are my partner's and other Community Anchor requirements?

3 Where are Service Providers providing service, at what speeds and what costs?

4 Are there gaps of service in my community? Is there a Digital Divide or at-risk populations within our community?

5 Are our residents and businesses well served, and are they happy with the services offered in our community?

6 What role should our local government play?

Thank You!

For more information, connect with us at
sales@magellanbroadband.com
or call **[888.960.5299](tel:888.960.5299)**



www.magellanbroadband.com