Florida League of Cities

August 10, 2022

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

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Proven Process. Proven Results.



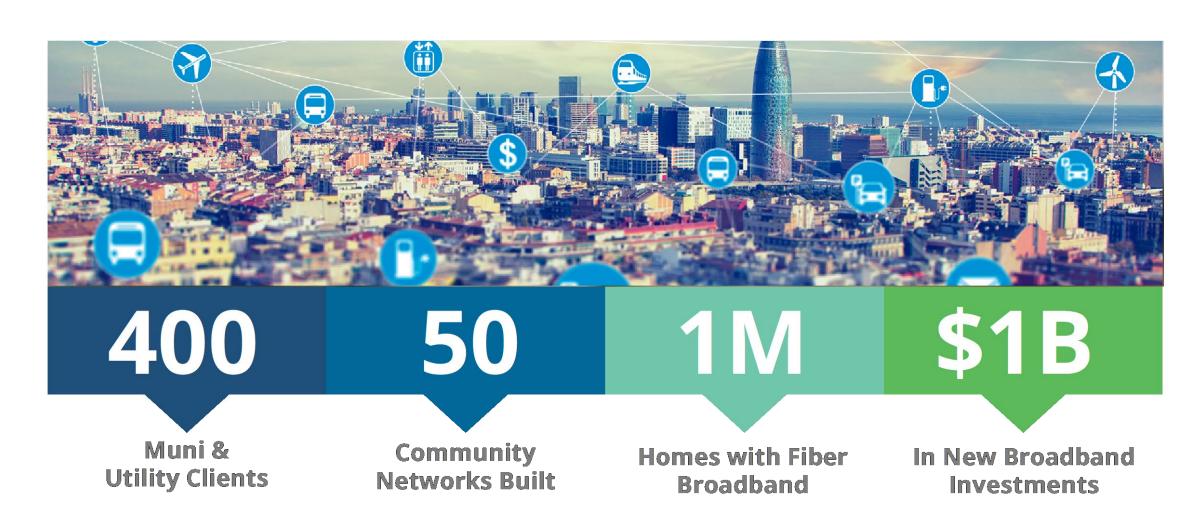
Over 400 municipalities, broadband providers and utilities/coops rely on Magellan to develop their fiber and broadband networks.

- Purpose-builtto 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

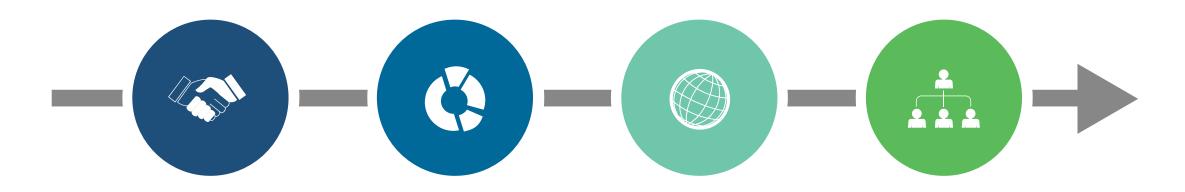




Turnkey Broadband Development



PLANNING, ENGINEERING, IMPLEMENTATION & FUNDING



Broadband Planning

- Feasibility Studies
- Market Assessments
- Business Plans
- Financial Plans
- Roadmaps

Design Engineering

- Fiber To The Home
- Backbone Fiber
- Electronics
- 4G/5G
- Rapid Design

Turnkey Implementation

- Procurement
- Project Management
- Construction Mgmt.
- Inspections
- Launch
- Operations

Funding & Grants

- Over \$300M Awarded
- Funding Strategy
- Grant Writing
- Compliance & Ongoing Oversight

Role of Government





Remove Barriers Invest in Infrastructure

Public/Private Partnership

Compete Directly

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?

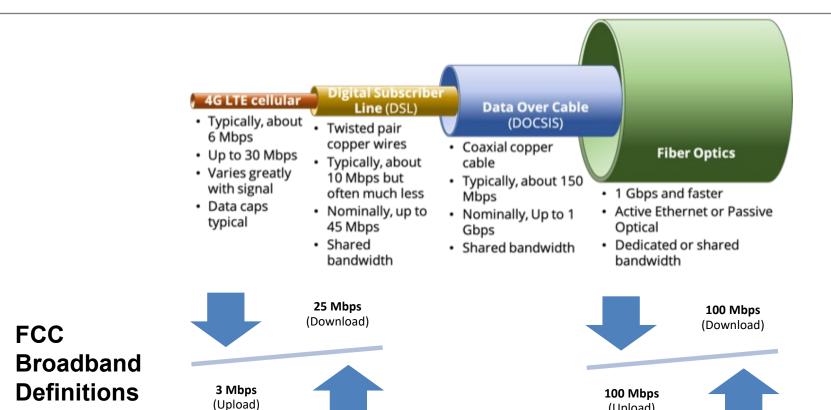


ARPA

Treasury

Guidance

2021/22



Final Rule 1/7/22

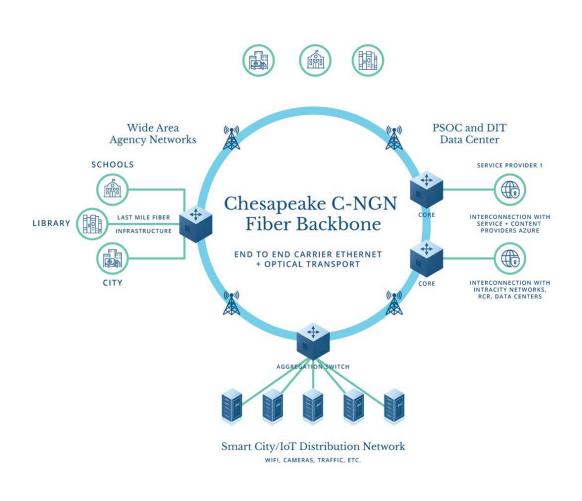
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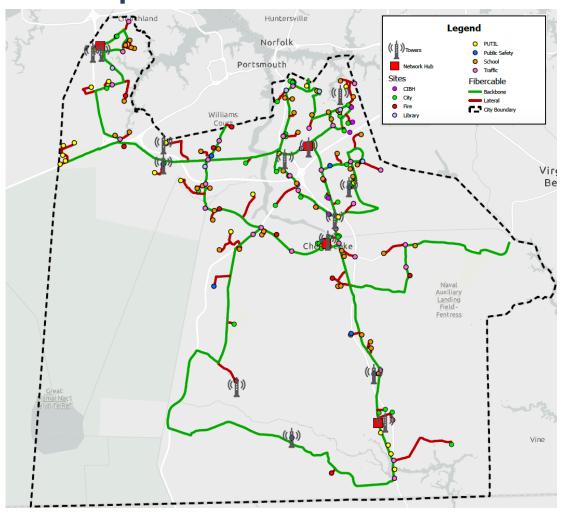
"Examples of need include lack of access to a connection that reliably meets or exceeds symmetrical 100 Mbps download and upload speeds, lack of affordable access to broadband service, or lack of reliable broadband service."

Determining Connectivity Needs



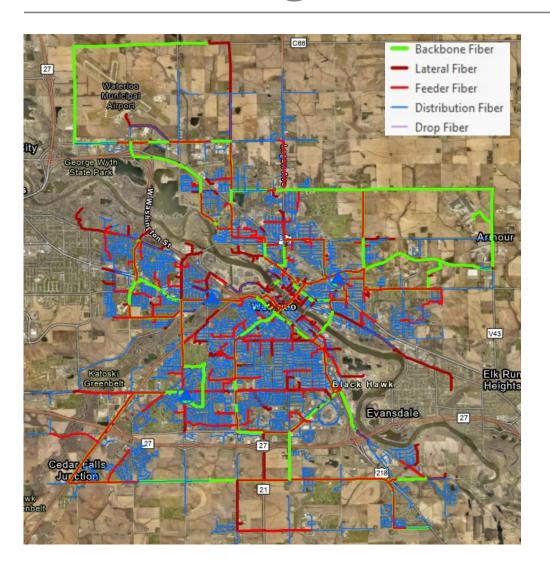
Plan for Fiber-Optic Backbone Connectivity to Support the Municipal Enterprise



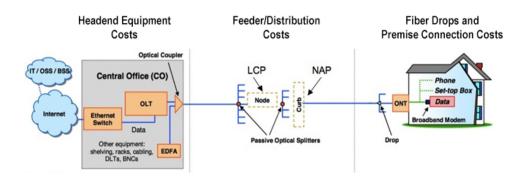


Determining Connectivity Needs





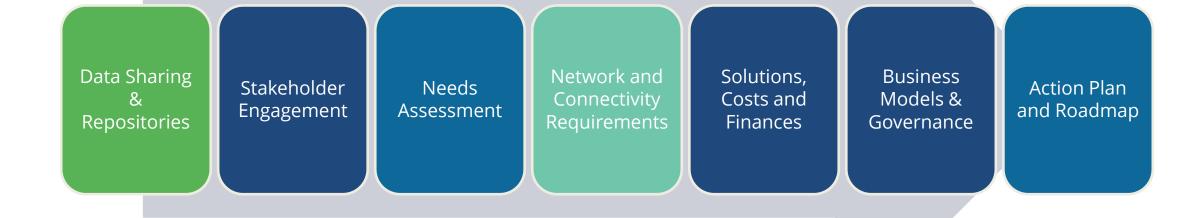
Last-Mile Connectivity for Residents and Businesses





Methodology/Approach





Methodology/Approach



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

Florida Department of Economic Opportunity

BROADBAND PLANNING TOOLKIT

A Guide to Establishing Local Technology Planning Teams













Identify

Community

Priorities







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 Last-Mile Retail Services (residential/business)































Funding



OTHERS

Bonds

Special Assessments

State of Florida Grants

Federal

ARPA

\$1.9 T

Coronavirus State and Local Fiscal Recovery Fund (SLFRF)

\$350 B

Available Now

Funds to be incurred by 2024 and completed by 2026

Infrastructure Investment and Jobs Act (IIJA) through NTIA

\$1.2 T

State Digital Equity
Capacity Grant Program

\$1.5 B

\$6M for Planning available on FY2022 \$1.4 B available between FY2022-2026

Funds to be used by State within 5 years

Middle Mile Broadband Infrastructure Grant Program (MMBI)

\$1 B

NOFO released in May 2022

Funds available until Sep 30. 2026

Broadband Equity, Access, and Deployment Program (BEAD)

\$42.45 B

NOFO released in May 2022

Funds available after NOFO and until exhausted

Digital Equity Competitive Grant Program

\$1.25 B

\$250M available/yr from FY2022-2026

Grants must be spent within 4 years
Awardee must submit annual evaluation reports

Affordable Connectivity Program (ACP)

\$14.2 B

Transition from EBB to ACP
Lasts until funds exhausted

Florida Cities



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



- What are my City's connectivity requirements today? Tomorrow?
- What are my partner's and other Community Anchor requirements?
- Where are Service Providers providing service, at what speeds and what costs?
- Are there gaps of service in my community? Is there a Digital Divide or at-risk populations within our community?
- Are our residents and businesses well served, and are they happy with the services offered in our community?
- What role should our local government play?



Thank You!

For more information, connect with us at sales@magellanbroadband.com
or call 888.960.5299



www.magellanbroadband.com