

# Community Broadband Partnership Models

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*Institute for Local Self-Reliance*

July 12, 2023

*@CommunityNets*

*CommunityNets.org*



# Institute for Local Self-Reliance

- Formed in 1974
- [ilsr.org](http://ilsr.org)
- Focuses
  - Local Banking
  - Energy Democracy
  - Independent Business
  - Waste to Wealth & Composting
- Community Broadband Networks
  - *CommunityNets.org*



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### Nationwide Push to Address ACP Anemia

By Sean Gonsalves on Mar 15, 2023

The White House, in coordination with the Federal Communication Commission (FCC) and the U.S. Commerce Department, has kicked off a major push to get more of the estimated 52 million eligible households across the nation to take advantage of the Affordable Connectivity Program (ACP).



### Our Affordable Connectivity Program Dashboard is Back and Better Than Ever



### New Bill Could Make Colorado Friendly State for Municipal Broadband

By Sean Gonsalves on Mar 21, 2023

Earlier this month, a new Colorado bill was introduced that, if passed, would rid the state of a law designed to protect monopoly Internet service providers (ISPs) from competition.

LATEST PODCAST

**Lessons from a Rural County - Episode 544 of the Community Broadband Bits Podcast**

From grant requests that have gotten short-circuited by a local WISP



### Building for

### Gina Birch Loves Digital Equity at the Ashbury Center in Cleveland

By Sean Gonsalves on Mar 17, 2023

In the second episode of our new Building for Digital Equity podcast, Gina Birch talks about how she trained digital navigators at the Ashbury Senior Computer Community Center in Cleveland to help enroll eligible households into the Affordable Connectivity Program, and why working with trusted messengers and organizations is key



### Lewis County Pushes Forward with Open Access Fiber Plan

# ACPDashboard.com

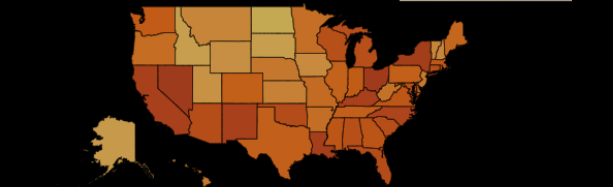
## Affordable Connectivity Program

Last updated: 8/31/2022

Dashboard created by the Institute for Local Self-Reliance

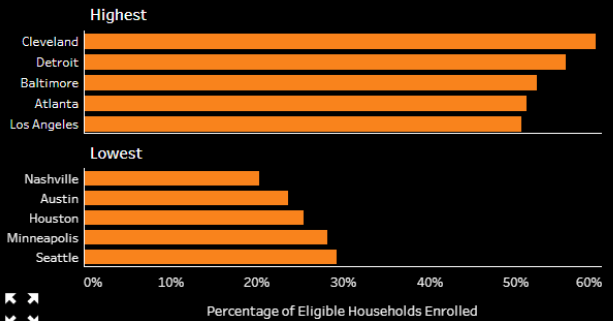
### Enrollment by State

Percentage of Eligible Households Enrolled  
9.6% 57.6%



See Enrollment by State See Enrollment by Zip Code

### Metro-Area Enrollment



**13 of 37 Million**

Households Currently Enrolled of Eligible

**36.5 Percent**

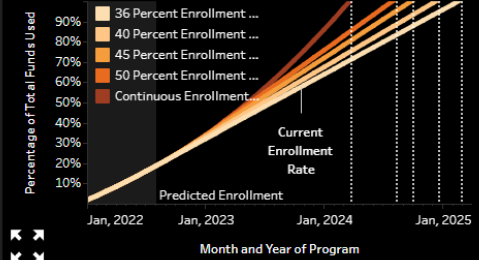
Eligible Households Enrolled Nationwide



**\$12.6 Billion**

Funds Remaining

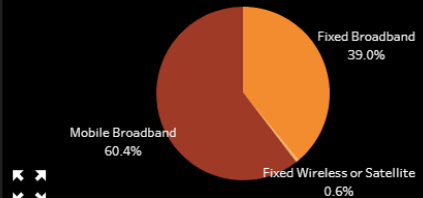
### When Will Funding Run Out?



**\$411 Million**

Spent Each Month

### Subscribers by Service Type



# Community Broadband Bits Podcast



*A weekly podcast featuring interviews with people building community networks and shaping Internet policy.*

From officials championing a municipal network in Mont Belvieu, Texas, to farmers building a broadband cooperative in Minnesota, to digital inclusion leaders in San Francisco, we sit down with the folks on the ground working to bring better connectivity to their communities.

[MuniNetworks.org/broadbandbits](https://MuniNetworks.org/broadbandbits)

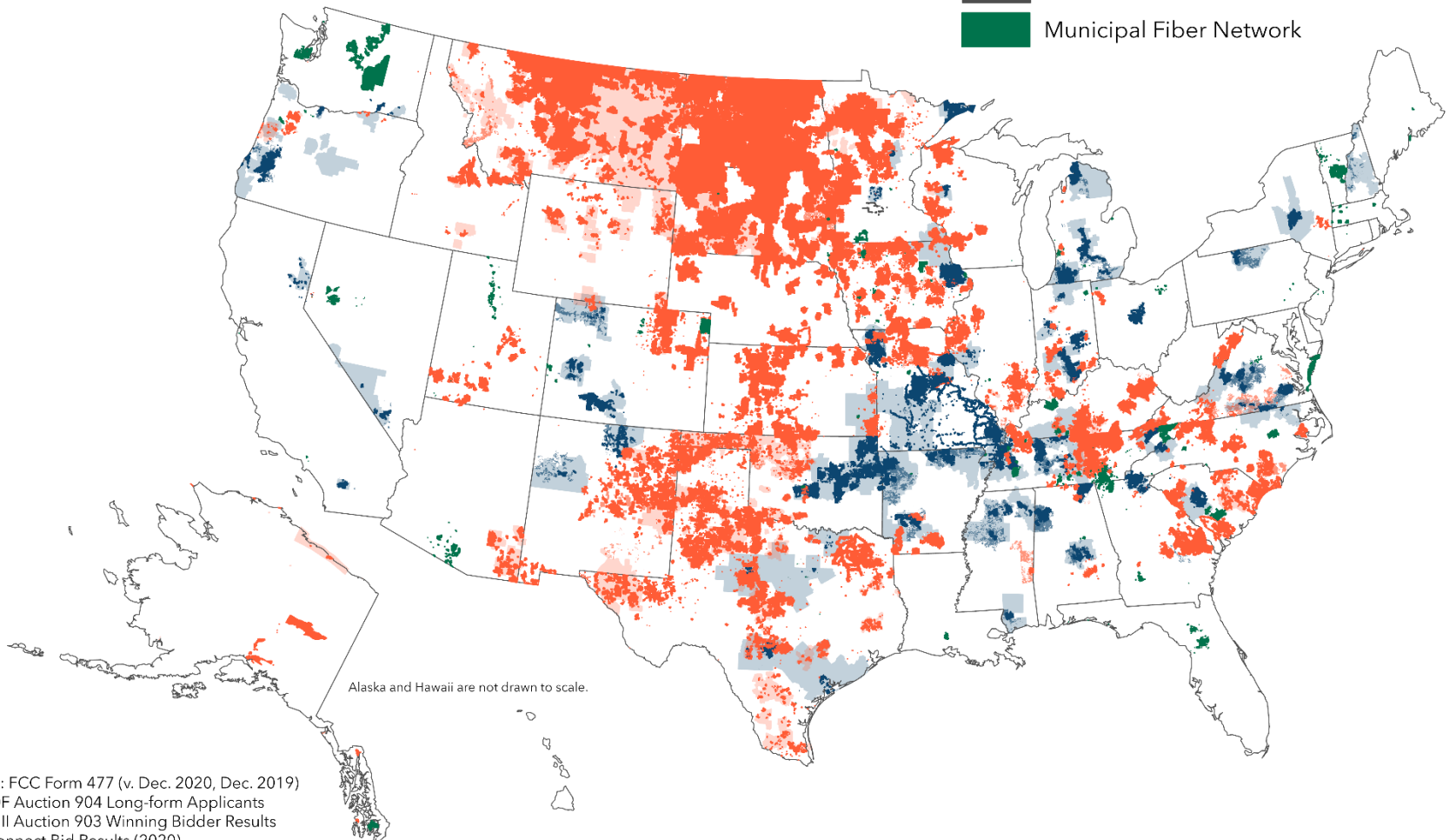
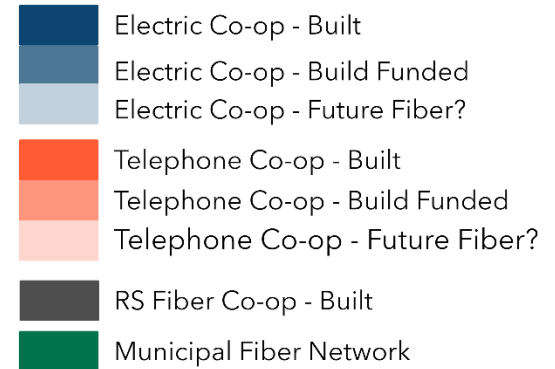


## ConnectThisShow.com



### Building for Digital Equity

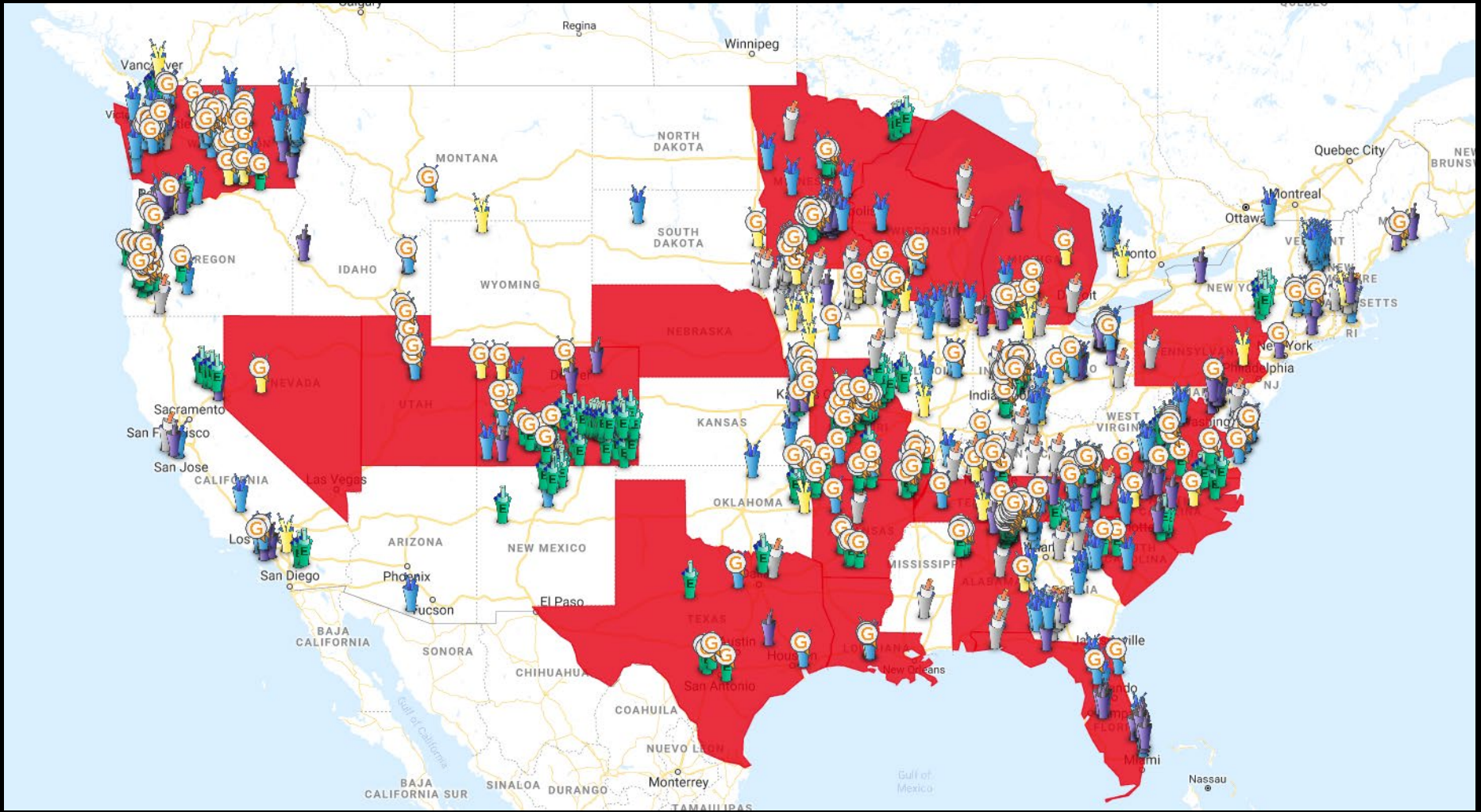
## BuildingforDigitalEquity.com



# Tennessee Electric Co-ops

- 21 electric cooperatives serving homes and businesses
- 13 already have fiber-to-the-home projects
  - 1-2 appear ready to get started
  - Some are also doing wireless in edge conditions
  - Vast majority of them are offering gigabit speeds
- Partnerships
  - Middle Tennessee Electric, Duck Electric, United Communications
  - Fort Loudoun Electric Cooperative working with BreezeAir and AirHawk on edge of their fiber
  - Appalachian Electric working with Twilight
  - Powell Valley Electric partnered with Scott County Telephone Co-op





[MuniNetworks.org/communitymap](https://MuniNetworks.org/communitymap)

# It's Not About the Technology



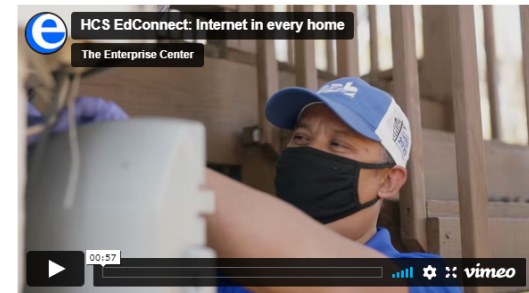
# Ten Years of Fiber Optic and Smart Grid Infrastructure in Hamilton County, Tennessee

Bento J. Lobo, Ph.D., CFA  
First Tennessee Bank Distinguished Professor of Finance  
The University of Tennessee at Chattanooga

August 31, 2020

## Welcome to HCS EdConnect

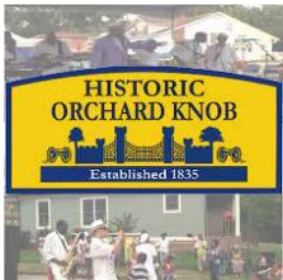
No-cost, high-speed home internet from EPB is now available to Hamilton County students and their families!



01 ————— 04

The World's Fastest just got Faster. 25 Gig Internet is here.

## Chattanooga Coalition Tackling Internet Access, Devices, and Healthcare in Neighborhood Project

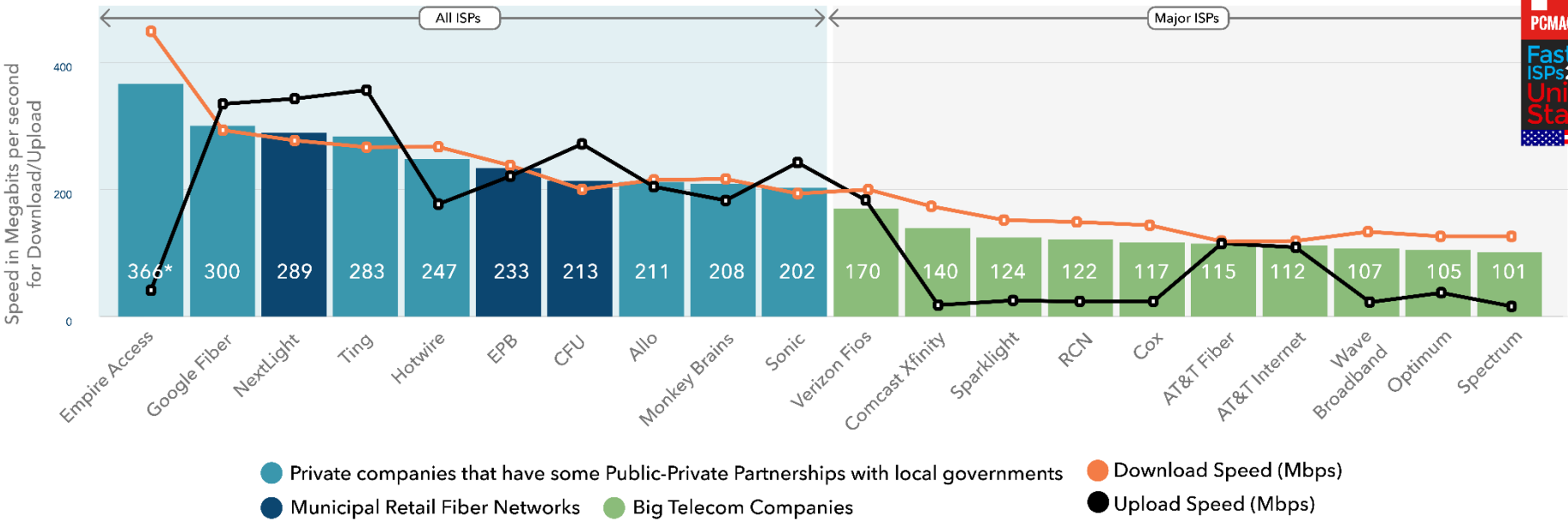


Posted April 1, 2022 by [Ry Marcattilio](#)

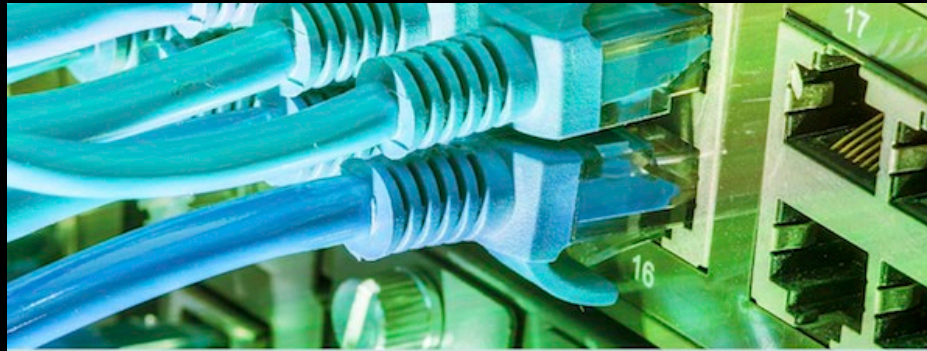
A recently announced \$610,000 grant award from the Tennessee Valley Authority to a partnership in Chattanooga, Tennessee will fund a pilot project to fund a set of holistic interventions in the Orchard Knob neighborhood to create healthier, more cost-efficient, better-connected homes for 1,000 residents.

The initiative, driven by a coalition made up of the Enterprise Center, EPB Fiber, Parkridge Health System, Habitat for Humanity, Tech Goes Home, and the Orchard Knob Neighborhood Association, aims to tackling an array of social determinants of health all at once. From The Chattanooga:

## ISP Speeds 2021 – United States All ISPs and Major ISPs



\*Number Indicates PCMag Speed Index Representing 80 Percent Download Speed + 20 Percent Upload Speed

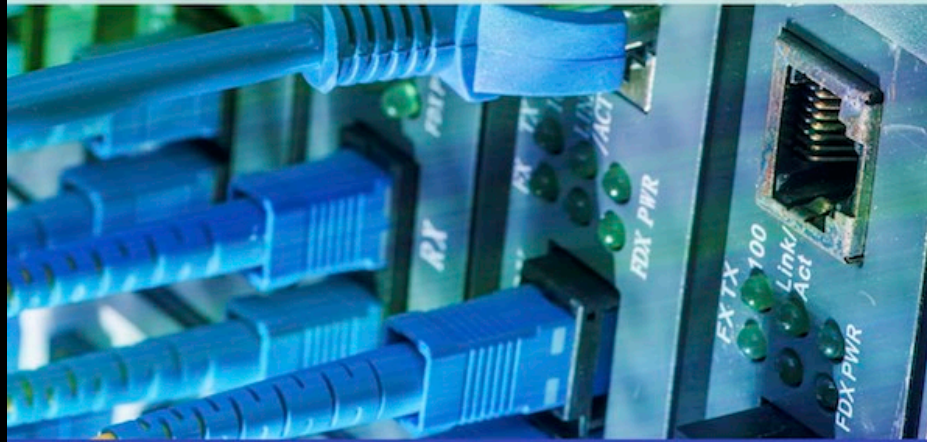


# Successful Strategies for Broadband Public-Private Partnerships

Written by Patrick Lucey and Christopher Mitchell

[@PluceyTECH](#)

[@CommunityNets](#)



July 2016

**ILSR**  
INSTITUTE FOR  
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[ilsr.org/ppp-fiber](http://ilsr.org/ppp-fiber)



*A grassroots initiative to advance broadband in rural Michigan*

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# Lyndon Township Passes Broadband Bond!


[www.mbcoop.org](http://www.mbcoop.org)



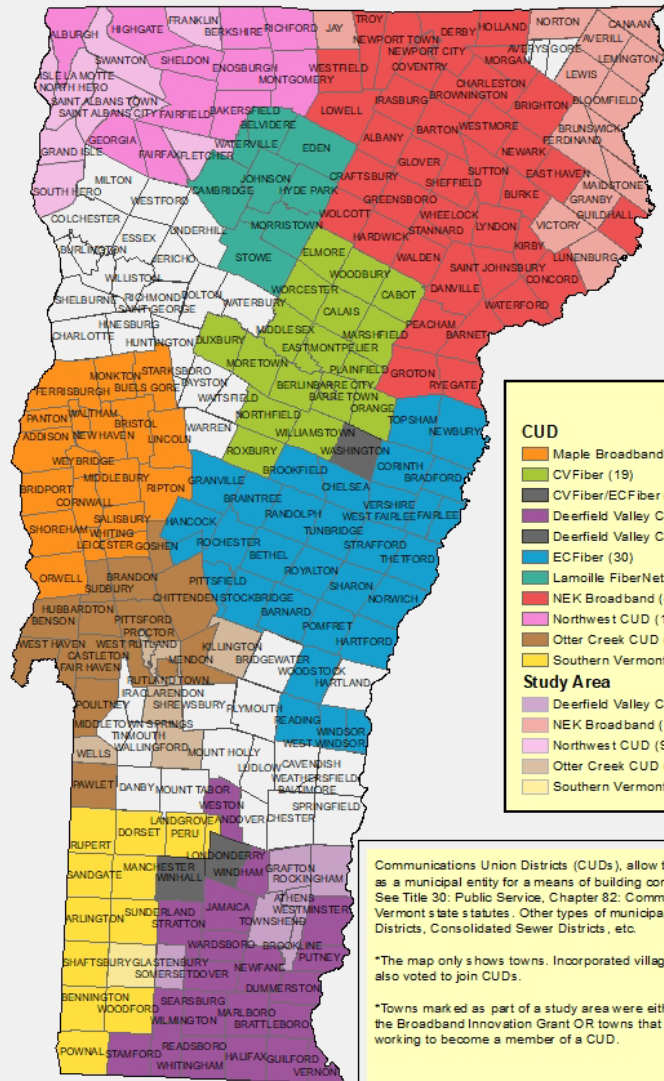
# RS Fiber: Fertile Fields for New Rural Internet Cooperative

Written by Scott Carlson and Christopher Mitchell

 @SDCMediaWriter

 @CommunityNets

# Communications Union Districts



**Legend**

**CUD**

- Maple Broadband (20)
- CV Fiber (19)
- CV Fiber/EC Fiber (1)
- Deerfield Valley CUD (20)
- Deerfield Valley CUD/Southern Vermont CUD (2)
- EC Fiber (30)
- Lamoille FiberNet CUD (8)
- NEK Broadband (40)
- Northwest CUD (11)
- Otter Creek CUD (15)
- Southern Vermont CUD (12)

**Study Area**

- Deerfield Valley CUD (6)
- NEK Broadband (13)
- Northwest CUD (9)
- Otter Creek CUD (6)
- Southern Vermont CUD (1)

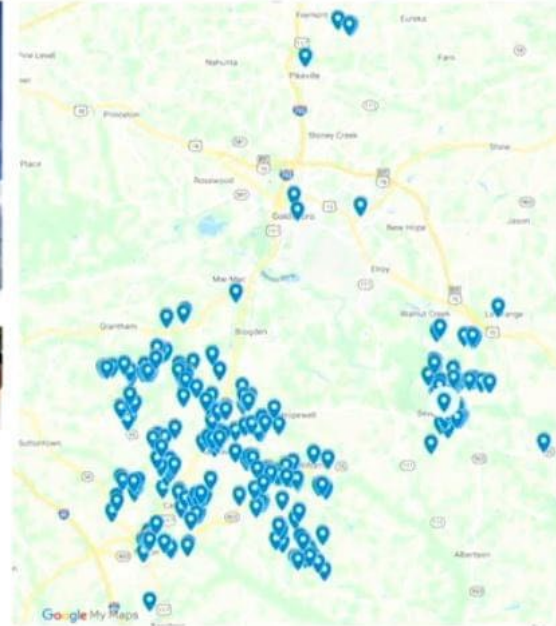
Communications Union Districts (CUDs), allow two or more towns to bond together as a municipal entity for a means of building communication infrastructure together. See Title 30: Public Service, Chapter 82: Communications Union Districts in Vermont state statutes. Other types of municipal districts include Solid Waste Districts, Consolidated Sewer Districts, etc.

\*The map only shows towns. Incorporated villages, such as Enosburg Falls, have also voted to join CUDs.

\*Towns marked as part of a study area were either included in studies funded by the Broadband Innovation Grant OR towns that are actively engaging with or working to become a member of a CUD.



# Wayne Co Customers - May 1, 2020



- Tower Agreements in place with Wayne County, Wayne Water Districts, Town of Mount Olive, and private owners.
- Fiber in Goldsboro and Mount Olive

<http://openbb.net>  
704-237-0102

One successful model has been a **Private Investment, Public Facilitation** approach. This is one of the approaches recommended by the [Coalition for Local Internet Choice](#) (CLIC) and we've seen successful examples of this in North Carolina. This model typically includes:

- Making public real estate assets like towers, building rooftops, fiber, and conduit available.
- Sharing GIS information on these assets.
- Streamlining the permitting and inspection processes, such as one-touch-make-ready on pole attachments, and a dig-once policy on buried fiber.
- Providing an economic development incentive to attract ISP investment.

# Springfield City Utilities partnering with CenturyLink to expand high speed internet access



Google fiber  
in  
Huntsville



Hey *Colorado Springs*,  
nice to meet you!

We're Ting, and we're working with Colorado Springs Utilities to bring gigabit fiber Internet service to you as the network is built.

[Sign up for more information](#)





## Consolidated Gains Eight More Public-Private Broadband Partnerships

Posted on March 26, 2021 by [Phil Britt](#) [Share](#)

Consolidated Communications

Fiber Broadband

Rural Broadband

[Home](#) » [Consolidated Gains Eight More Public-Private Broadband Partnerships](#)

Consolidated Communications will use public-private partnerships with eight New Hampshire communities to bring them fiber-to-the premises broadband networks. It is the latest in a string of Consolidated public-private broadband partnerships.

Consolidated has a growing strategy for these types of arrangements, recently announcing completion of one across three other [New Hampshire towns](#) and a new project in [Brooklin, Maine](#).

The company said that the partnerships are a key component of its plans to expand rural broadband access. Subscriber fees help offset the cost of the operating agreement, so residents don't see resulting tax increases.



VS



# Fort Morgan taps Allo Communications as likely fiber service partner



Jenni Grubbs / Fort Morgan Times

Randy Olson, fiber blowing machine operator from Schumann Communications, oversees the pulling of fiber optic cable through the conduits under Riverview Avenue from Grant to Ensign streets July 5. Construction of the backbone of the city's fiber network is expected to be completed yet in August.

By **JENNI GRUBBS** | [jgrubbs@fortmorgantimes.com](mailto:jgrubbs@fortmorgantimes.com) | The Fort Morgan Times

PUBLISHED: August 2, 2017 at 6:15 p.m. | UPDATED: April 24, 2019 at 10:37 a.m.

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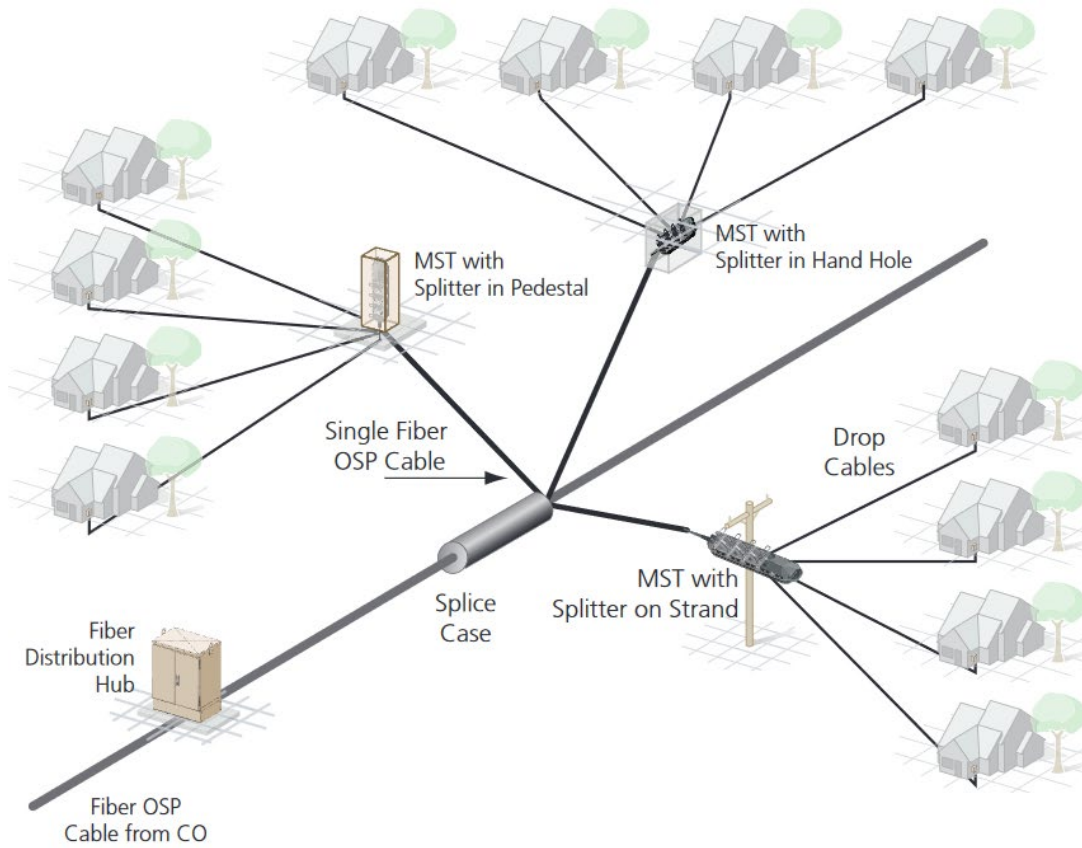
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# OmniReach® FTTX Solutions

## Multipoint Service Terminal (MST) with Splitter

MST with Splitter Offers a Value-Based Solution for Last Mile FTTP installs



# Open Access - UTOPIA



★★★★★  
(71 Reviews)



★★★★★  
(145 Reviews)



★★★★★  
(11 Reviews)



★★★★★  
(169 Reviews)



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No Reviews Available



★★★★★  
(64 Reviews)



★★★★★  
(124 Reviews)



★★★★★  
(123 Reviews)



★★★★★  
(1426 Reviews)



★★★★★  
(98 Reviews)



★★★★★  
(254 Reviews)



★★★★★  
(200 Reviews)



★★★★★  
(15 Reviews)



★★★★★  
(103 Reviews)

Ammon's Model: The Virtual End of Cable Monopolies



# Ammon's Model:

*The Virtual End of Cable Monopolies*



[bit.ly/ammon-lid-fiber](http://bit.ly/ammon-lid-fiber)



# Conduit in Lincoln, Nebraska and West Des Moines, Iowa

## What is a conduit?

- Pathway of High Density Polyethylene (HDPE)
- Long, continuous lengths
- Flexible, ship on reels
- Typically buried underground
- Used to protect fiber optic cables





# A Public Housing Digital Inclusion Blueprint

Monkeybrains and San Francisco Deliver a Sustainable Gig

By Hannah Rank and Christopher Mitchell

 @sreknar

 @communitynets

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NETWORKS

[ilsr.org/sf-broadband-public-housing](https://ilsr.org/sf-broadband-public-housing)

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