

H-GAC: Bringing Back Main Street Rural and Small Town Downtown Revitalization Summit

Jennifer Harris

***State Program Director:
Connected Texas***

October 22nd, 2019



Connected Texas



WHY

We believe that everyone should have opportunities to improve their lives, families, and communities regardless of who they are, where they live, or how they begin.

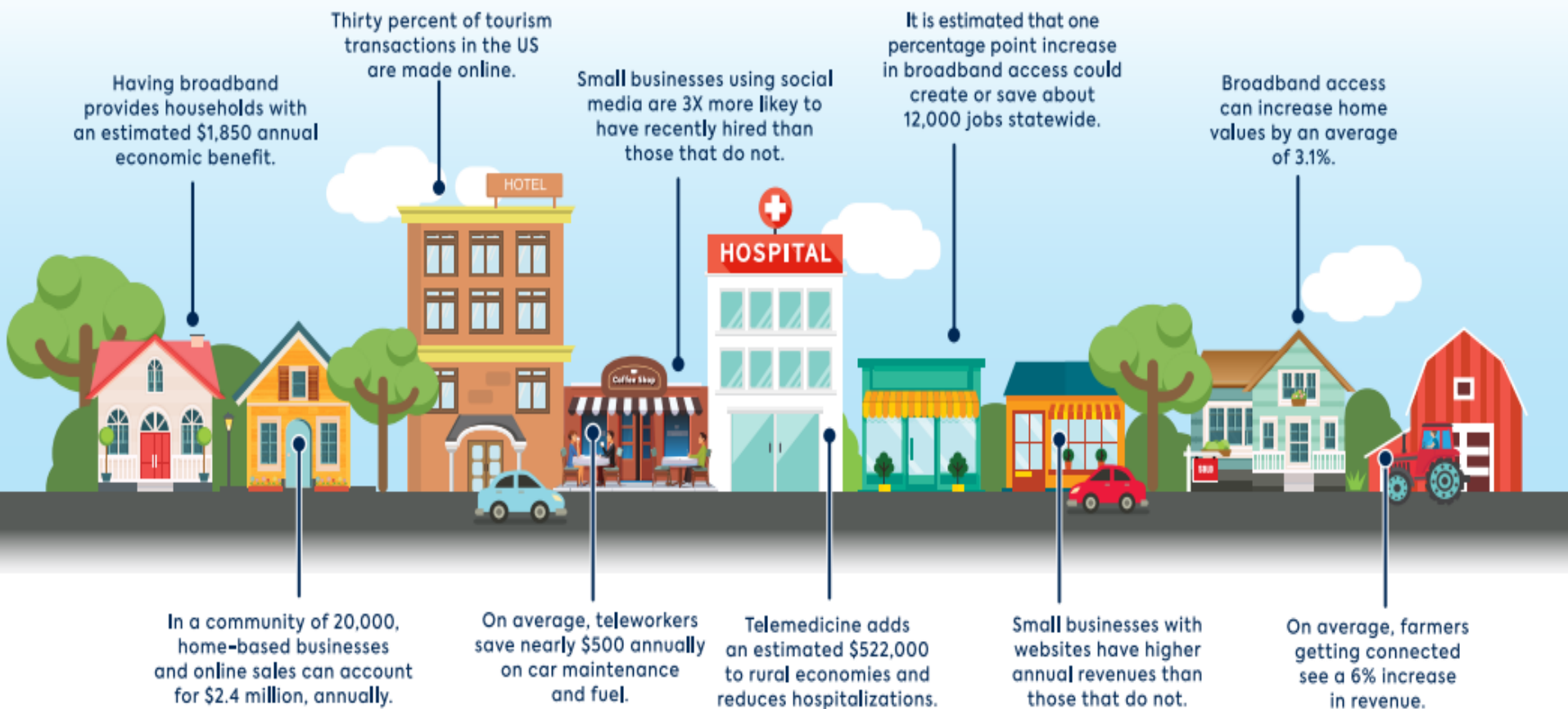
HOW

We develop and provide the tools, resources, and methods that help states and communities create and implement solutions to their broadband and digital technology gaps.

WHAT

We assess and plan for the expansion of broadband access, adoption, and use. We empower people with technology skills and resources to improve their quality of life, and we develop public-private partnerships to bring technology access to targeted geographies and population.

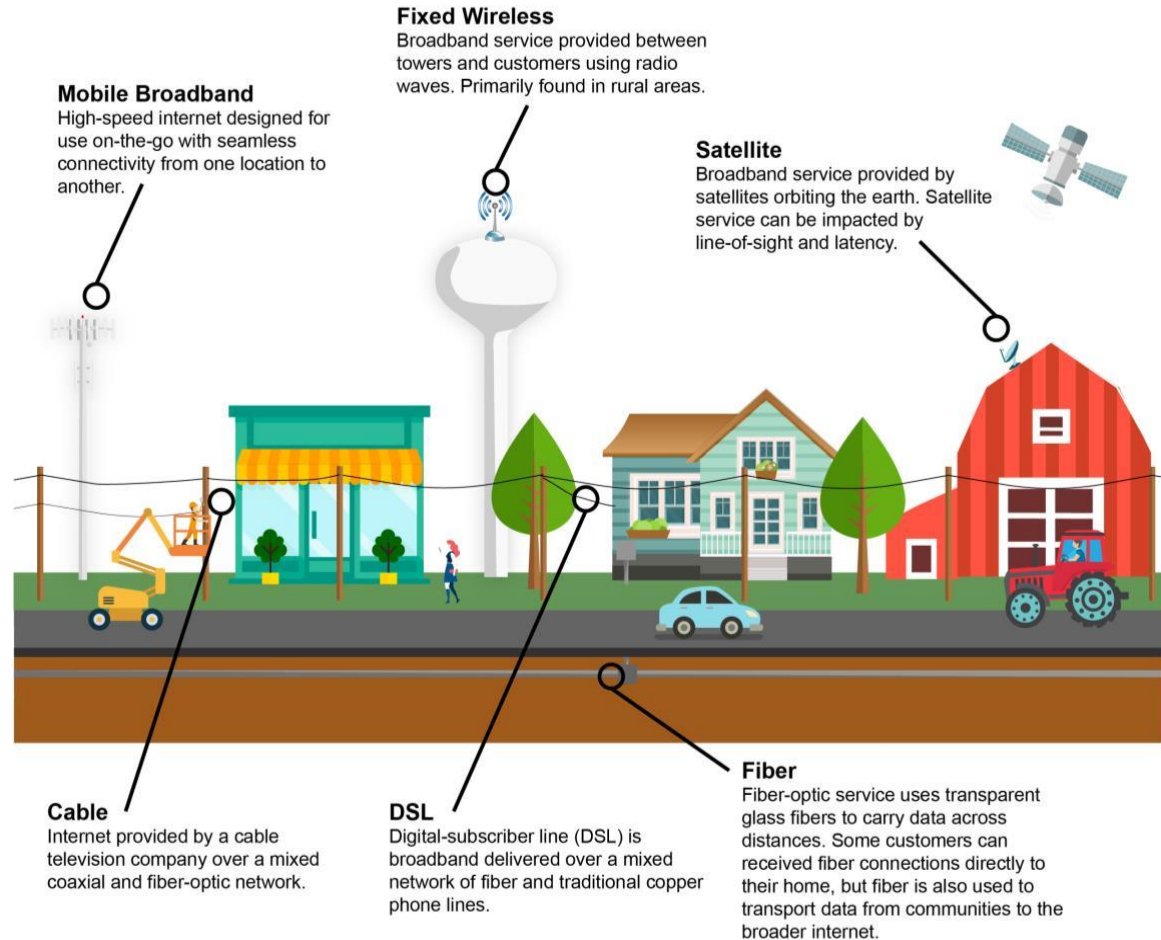
Benefits of Use



Broadband Defined









- Broadband: More commonly referred to as high-speed internet access, technically, any kind of connection other than dial-up. Connection is always on.
- Fixed, terrestrial broadband: Service designed for permanent, stationary use at a home, business, or institution
- Mobile broadband: Wireless internet service designed for continuous use on a portable device
- FCC definition of broadband is 25/3 Mbps



Broadband Defined



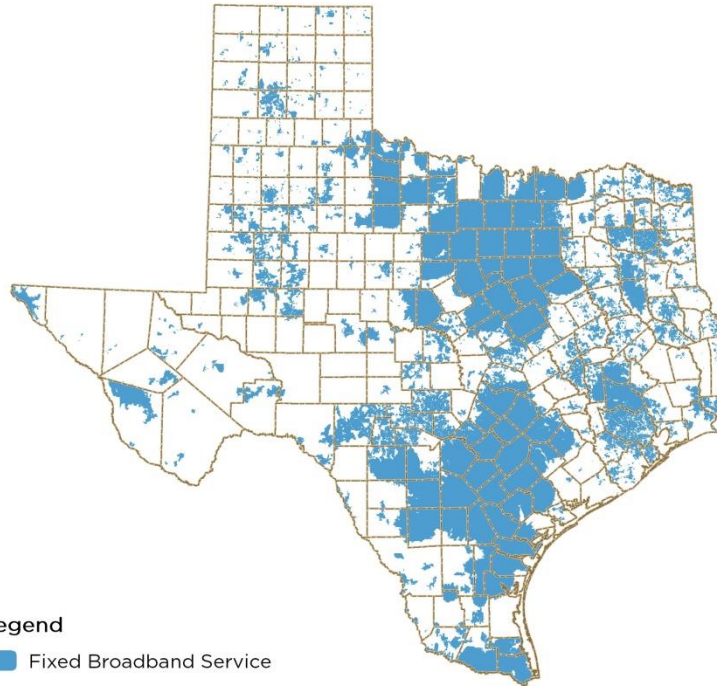
	 10 Mbps	 25 Mbps	 1 Gbps
Estimated time to download 2 GB file:	29 minutes	11 minutes	17 seconds
Devices Supported:	 1 or 2	 3 to 5	 10+
Activities Supported:	Web surfing, e-mail, & moderate HD streaming	Heavy HD streaming, video conferencing, large file transfer	Extreme HD, real-time streaming, frequent & huge file transfers
Primarily used by:	Homes & Some Businesses	Homes & Businesses	Businesses & Some Homes

Texas' Broadband Service



Texas Broadband Service

Fixed Broadband at Least 25 Mbps Download/3 Mbps Upload



Legend

■ Fixed Broadband Service

Published February 7, 2019

Data Source: FCC Form 477 Broadband Deployment
Data as of June 30, 2017, released September 10, 2018.

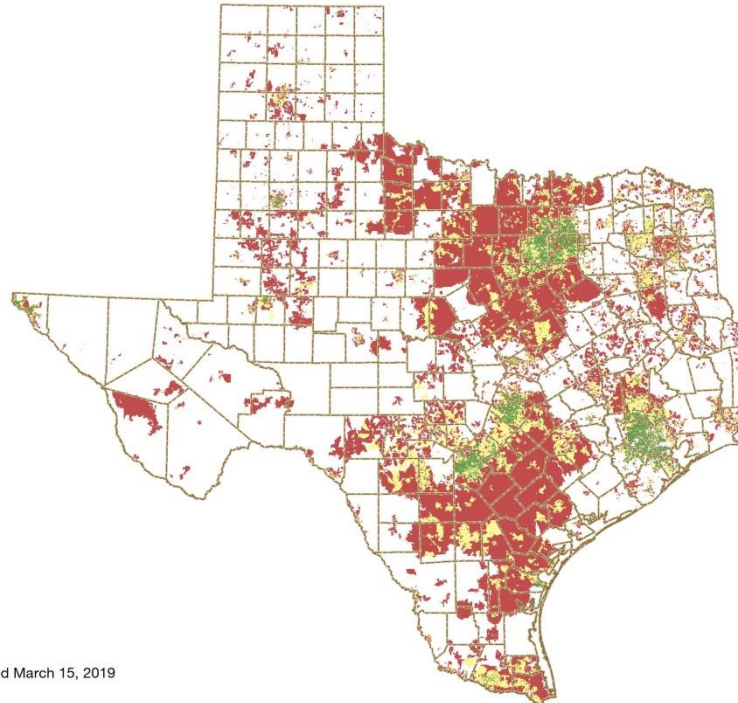
All Rights Reserved. © Copyright 2019, Connected Nation, Washington, D.C. 20010.

Texas' Broadband Service



Texas Broadband Service

Fixed Broadband at Least 25 Mbps Download/3 Mbps Upload



Published March 15, 2019

Legend

- Low Data Confidence
- Medium Data Confidence
- High Data Confidence
- Unserved Area

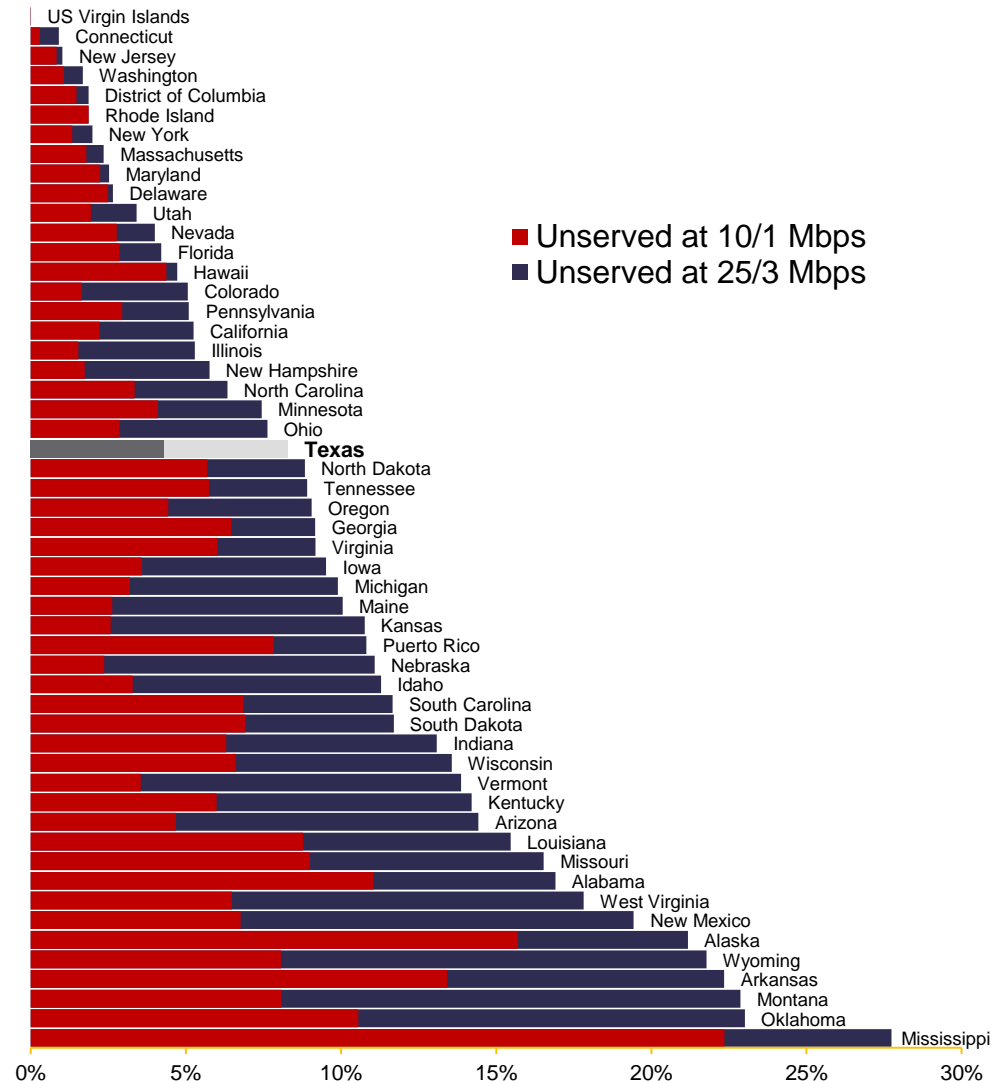
A low confidence rating does not mean that CN believes there is not broadband available in that census block or that the provider-filed data is incorrect, only that it warrants investigation to confirm whether or not broadband is available to all locations within the census block.

Data Source: FCC Form 477 Broadband Deployment Data as of June 30, 2017, released September 10, 2018.

Texas' Broadband Access



- Approximately **1.8 million** Texans lack access to high-speed internet service.
- Texas ranks **23rd** among other states and territories for broadband availability at 25/3 Mbps.
- Nearly **one-quarter** of Texas residents have access to only one broadband provider offering speeds of at least 25/3 Mbps



Broadband Framework



Access

Physical connection to high-speed infrastructure.

Adoption

Recognizing the value in broadband and subscribing either at home, work, and/or via public institutions.

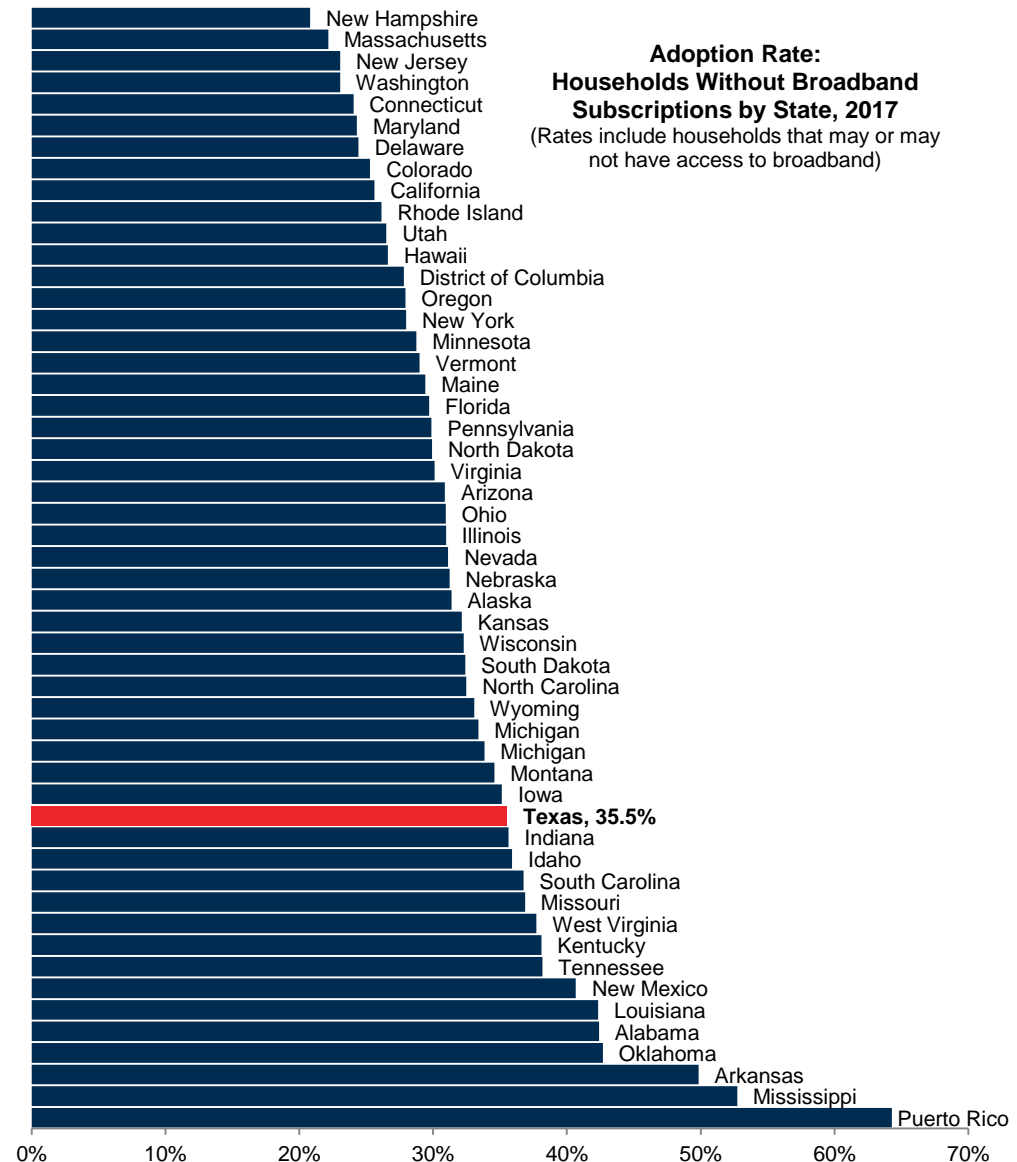
Use

Having the skills necessary to utilize and leverage broadband and related technologies across sectors.

Texas' Broadband Adoption



- **35.5%** of Texas households do not subscribe to fixed, terrestrial broadband service such as DSL, cable, fixed wireless or fiber.
- Texas **38th** is in broadband adoption among other states and territories.



Connected Texas



Core competencies include:

- Network mapping, validation, and analysis
- Residential and business technology research
- Local, state, and national policy analysis and capacity building
- Community technology planning

"Our mission is to improve lives by providing innovative solutions that expand the access, adoption, and use of high-speed internet and its related technologies to all people. Everyone belongs in a Connected Nation."

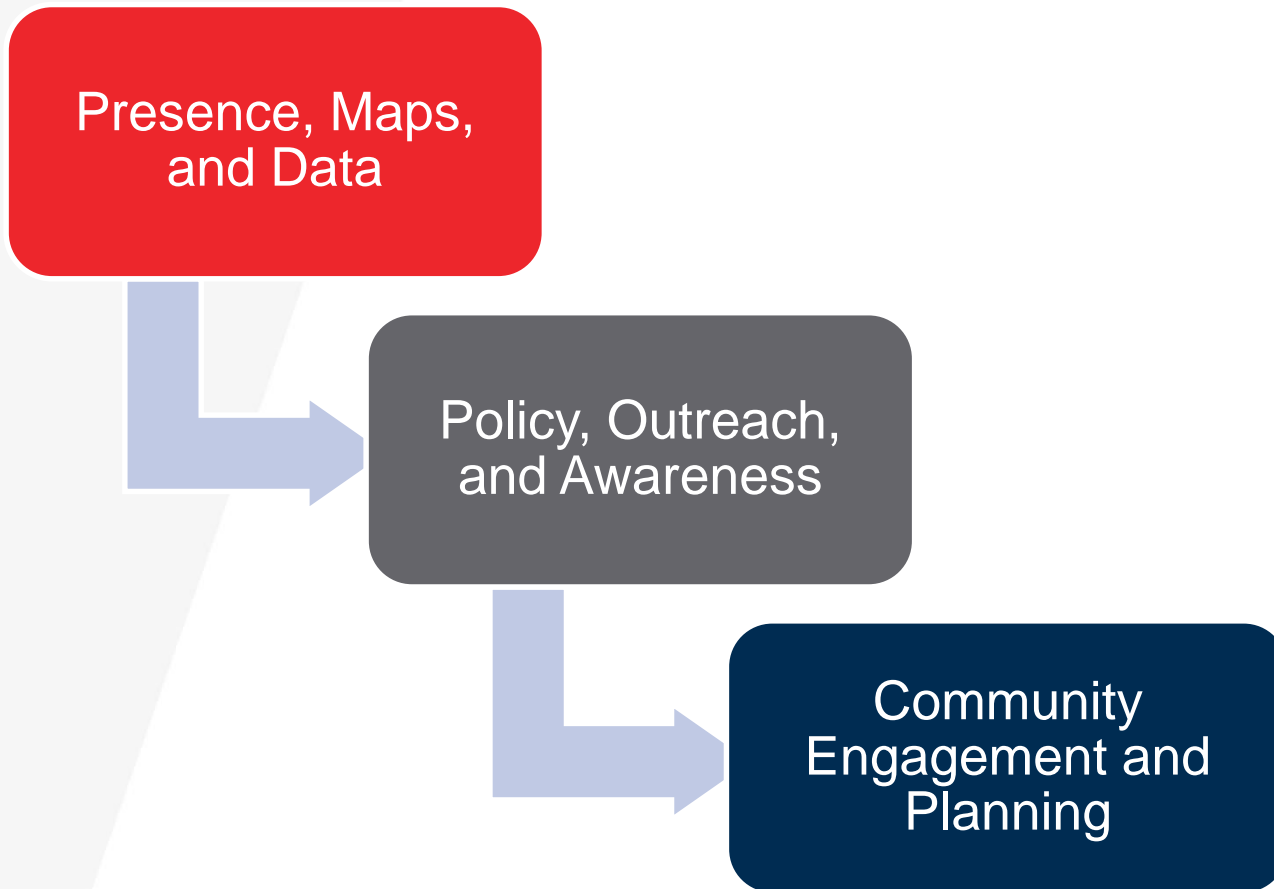
What Have We Learned



Communities Want:

- Accurate broadband maps and data at the local level
- Student access to online resources to succeed outside the classroom
- Local planning resources to stimulate broadband infrastructure investment
- Connectivity to support telehealth and improve overall rural access to healthcare services
- State leadership to respond to local needs and proactively coordinate broadband activities and policies
- Efficient ways to identify and pursue funding and resources

Program Launch – June 2019



QUESTIONS?

Jennifer Harris

State Program Director
Connected Nation, Texas

512.962.8032

jharris@connectednation.org



**CONNECTED
NATIONSM**

Texas