



pennsylvania
DEPARTMENT OF COMMUNITY
& ECONOMIC DEVELOPMENT

PA BROADBAND DEVELOPMENT AUTHORITY: BROADBAND LISTENING SESSIONS

CO-HOSTED WITH PENN STATE EXTENSION

PA BROADBAND DEVELOPMENT AUTHORITY

Mission: *To foster and create equitable, affordable, and robust high-speed broadband internet infrastructure and services connecting Pennsylvania for the 21st century and beyond.*

Established by Act 96 of 2021

- Governed by 11-member board
 - Four members of the General Assembly
 - Secretaries for the Department of Agriculture, Community and Economic Development (DCED), Education, General Services, and the Budget
 - Executive Director of the Center for Rural Pa
 - Chairperson of the PUC
- DCED provides administrative and staff support
 - Continue to build staff capacity

Purpose:

- Single point of contact for state broadband initiatives and efforts
- Identifying and coordinating federal and state funding opportunities
- Developing and approving a statewide broadband plan

FEDERAL FUNDING OPPORTUNITIES

The Infrastructure Investment and Jobs Act (IIJA) has three main programs to support broadband development

- **Broadband Equity, Access, and Deployment (BEAD)**
- **Digital Equity Act**
- **Middle Mile Infrastructure**

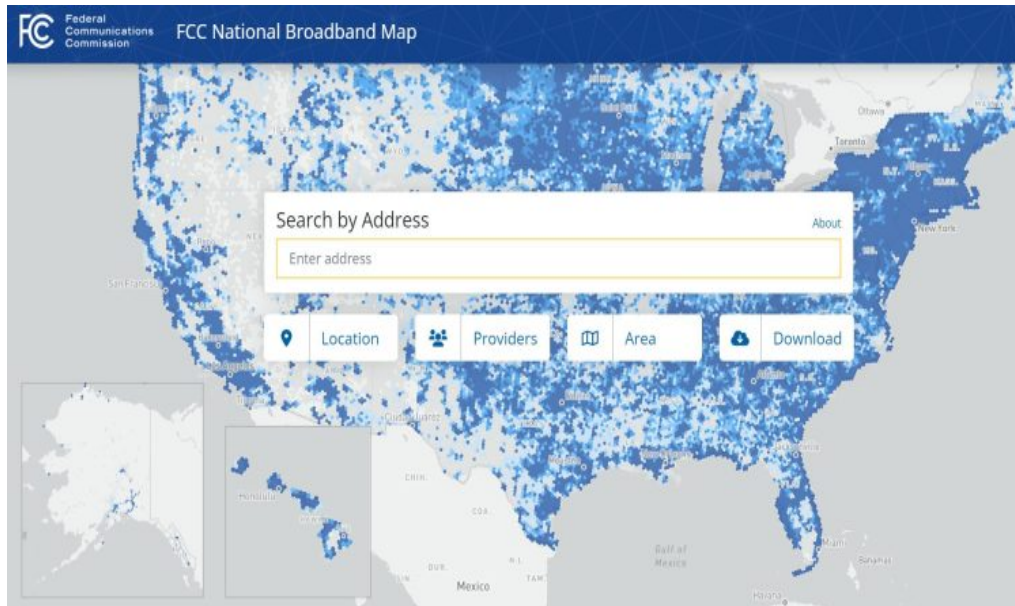
The American Rescue Plan Act (ARPA)

- **Capital Projects Funds (CPF)**
 - \$279 million
 - Program plans under review



FCC NATIONAL BROADBAND MAP

MAP OVERVIEW



What is the Map?

- Implemented under Broadband Deployment Accuracy and Technology Availability (DATA) Act of March 2020
- Publicly accessible map, data-based depicting where fixed and mobile broadband is available across the US
- NTIA will utilize this map to identify remaining BEAD funds to be allocated to states
- [FCC National Broadband Map](#)

What is the difference in the data?

- Previous Map:
 - Census block level only
- New Map: Two unique sets
 - 1) *Broadband Serviceable Location*: individual structures (i.e. homes, businesses) that can use broadband service
 - 2) *Provider Submitted Data*: Internet Service Provider (ISP) locations where broadband service is offered the FCC's [Broadband Data Collection \(BDC\)](#)

IMPACT ON PENNSYLVANIA

- More accurately depict deficiencies
- Comprehensive vehicle that allows for a robust challenge process
- Ensure maximum BEAD allocation for the commonwealth
- Help local level governments and organizations to identify project areas
- Inform the Authority on areas of need when reviewing applications through future subgrant programs
- Allow for individual challenges, which means constituents may submit information directly to the FCC about the services received at their home/business



FCC CHALLENGE PROCESSES

A. Individual Challenges

a. Map

- Location
- Availability



b. FCC Speed Test

- Mobile



B. Bulk Challenges

a. Broadband Data Collection (BDC) System

- [Location or “Fabric” Challenges](#)
- [Availability Challenges](#)

b. Partnership with the Authority

- Penn State Extension

MAP
DEMONSTRATION

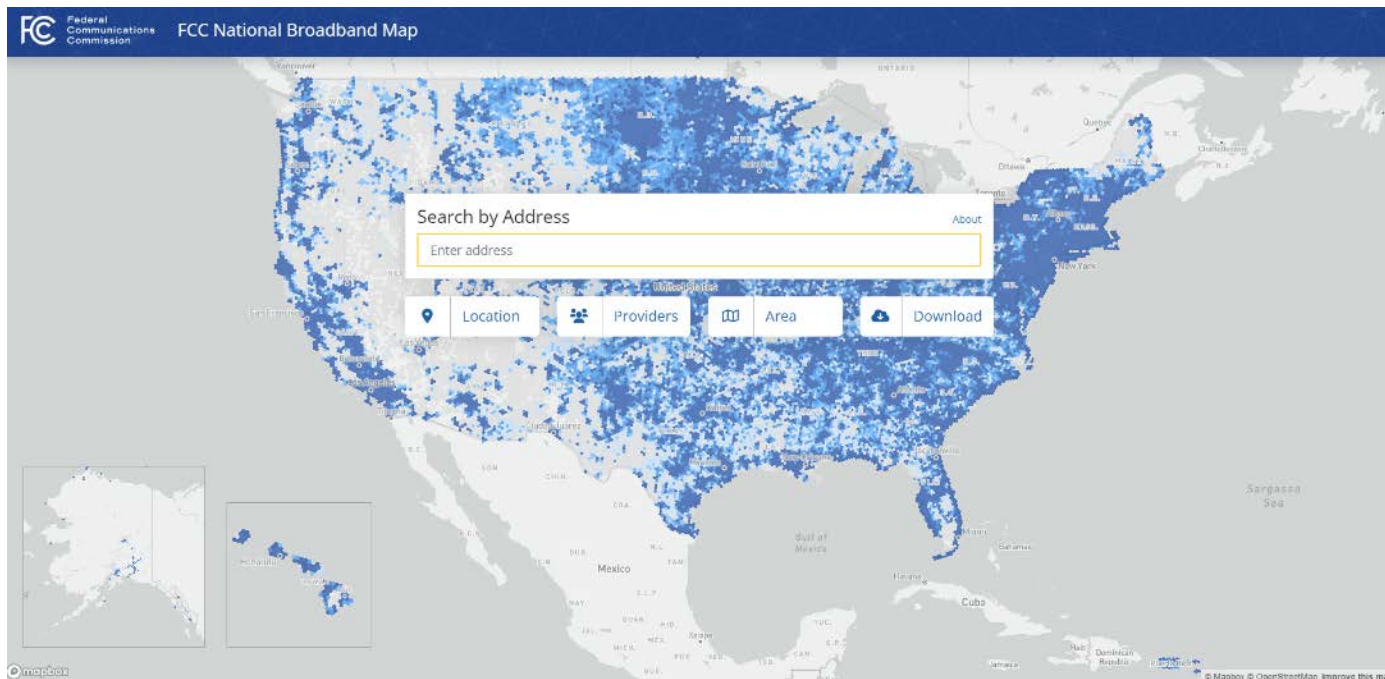
FCC BROADBAND CHALLENGE INSTRUCTIONS

NOTE: These challenges are for a lack of available service

If you have an internet provider listed (Comcast, Verizon, Zito or other high-speed provider) as available BUT you are choosing not to pay for the service, please DO NOT submit a challenge!

CHECKING YOUR ADDRESS

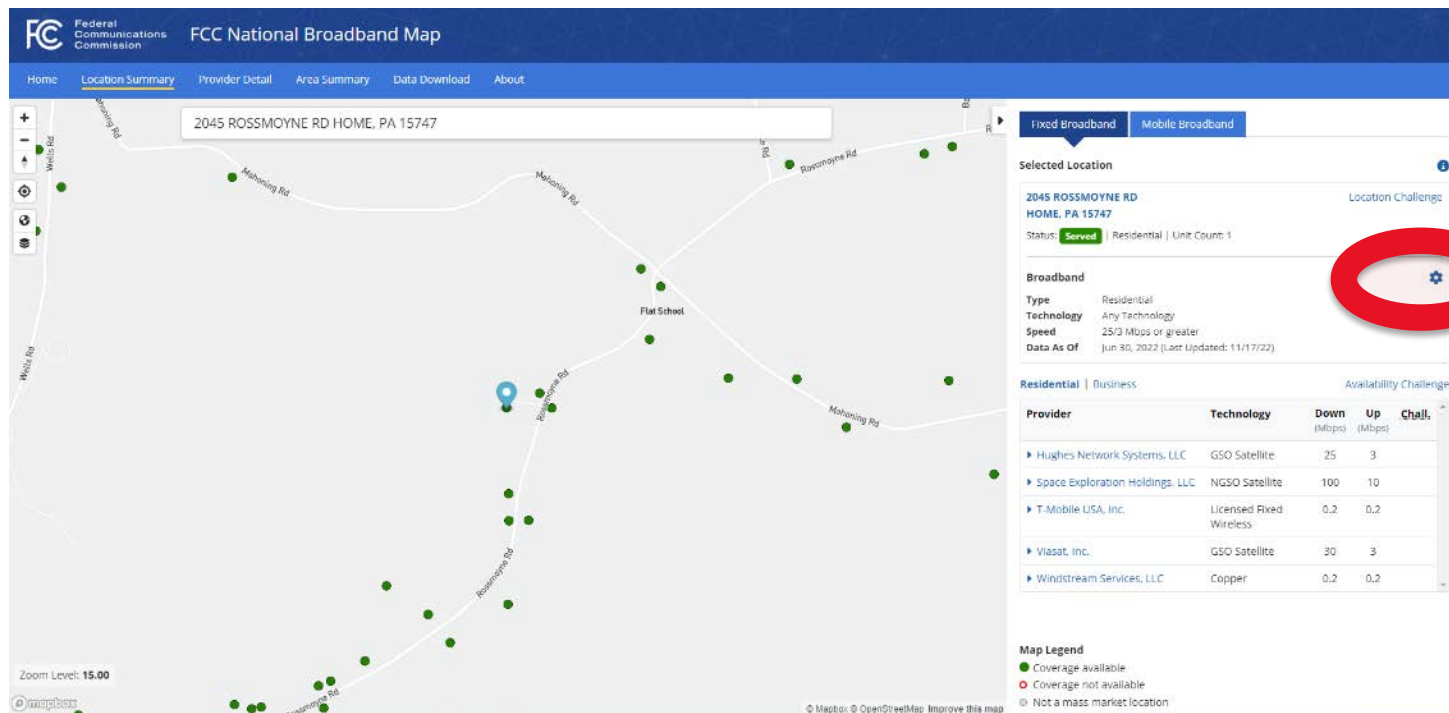
Navigate to broadbandmap.fcc.gov – or search for “FCC Broadband Map” in any search engine (such as Google, Bing, Yahoo) using your computer or cell phone. You will see this page:



FIND YOUR LOCATION

Type your address and hit enter.

Now click the 'gear' icon (circled here)



Federal Communications Commission
FCC National Broadband Map

Home | **Location Summary** | Provider Detail | Area Summary | Data Download | About

2045 ROSSMOYNE RD HOME, PA 15747

Fixed Broadband | Mobile Broadband

Selected Location

2045 ROSSMOYNE RD HOME, PA 15747

Status: **Served** Residential | Unit Count: 1

Broadband

Type: Residential
 Technology: Any Technology
 Speed: 25/3 Mbps or greater
 Data As Of: Jun 30, 2022 (Last Updated: 11/17/22)

Residential | Business

Provider	Technology	Down (Mbps)	Up (Mbps)	Chall.
Hughes Network Systems, LLC	GSO Satellite	25	3	
Space Exploration Holdings, LLC	NGSO Satellite	100	10	
T-Mobile USA, Inc.	Licensed Fixed Wireless	0.2	0.2	
Viasat, Inc.	GSO Satellite	30	3	
Windstream Services, LLC	Copper	0.2	0.2	

Map Legend
 ● Coverage available
 ○ Coverage not available
 □ Not a mass market location

SELECT TECHNOLOGY

IMPORTANT!!!!

Make sure 'All Wired
and Licensed Fixed
Wireless' AND ' $\geq 25/3$ '
Are selected!!!



Fixed Broadband Settings

Data As Of

Jun 30, 2022 (Last Updated: 11/17/22) ▾

Business/Residential

Residential ▾

Technologies

- Any Technology
- All Wired
- All Terrestrial
- All Wired and Licensed Fixed Wireless
- Copper
- Cable/Fiber
 - Cable
 - Fiber
- All Satellite
 - GSO Satellite
 - NGSO Satellite
- All Fixed Wireless
 - Unlicensed Fixed Wireless
 - Licensed Fixed Wireless
- Other

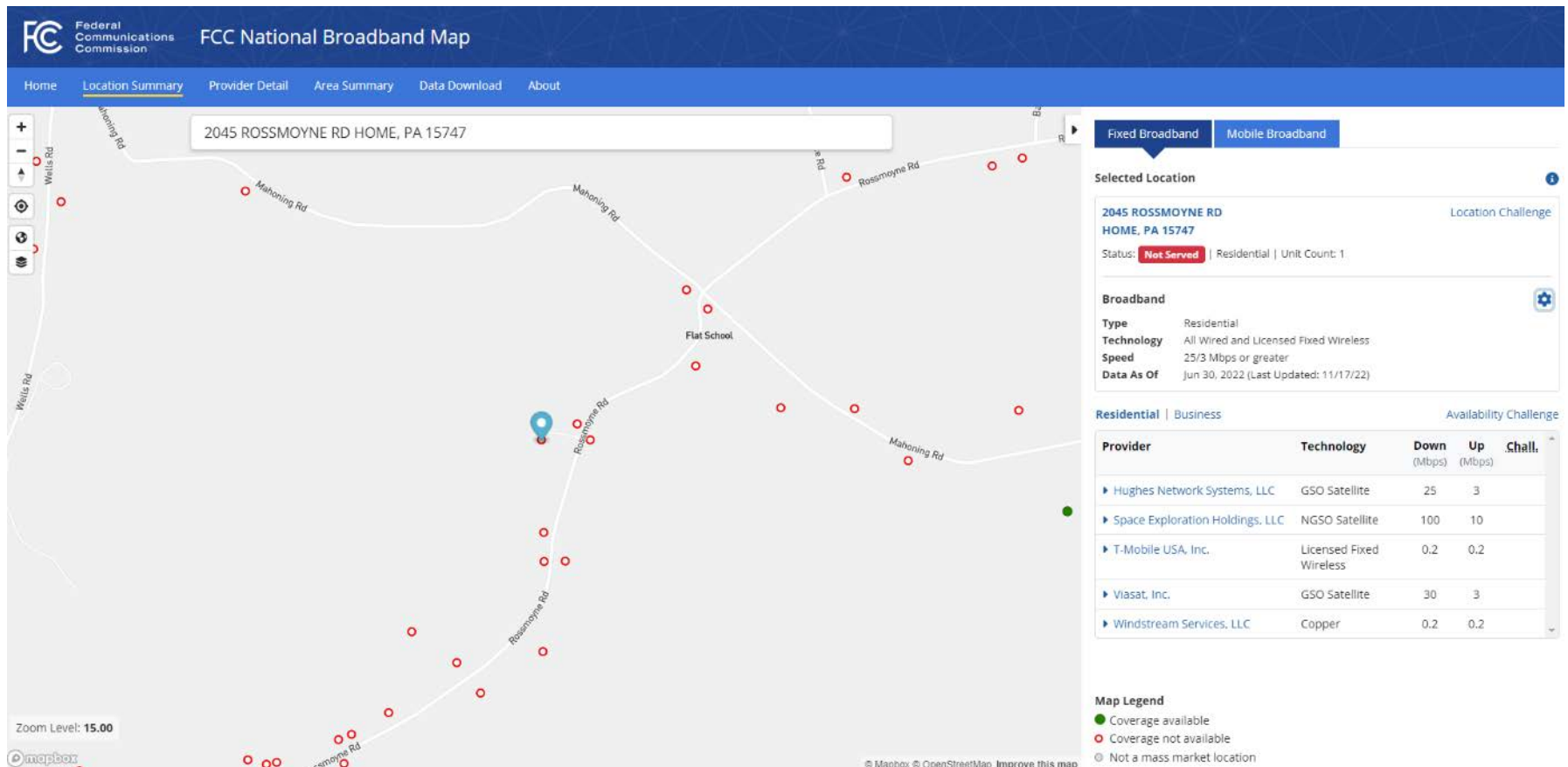
Speed (Mbps)

- $\geq 0.2/0.2$
- $\geq 10/1$
- $\geq 25/3$
- $\geq 100/20$
- $\geq 250/25$
- $\geq 1000/100$



RED CIRCLE

The FCC already lists this as unserved, no challenge needed



FCC National Broadband Map
 Home | Location Summary | Provider Detail | Area Summary | Data Download | About

2045 ROSSMOYNE RD HOME, PA 15747

Selected Location: **2045 ROSSMOYNE RD HOME, PA 15747** (Location Challenge)
 Status: **Not Served** | Residential | Unit Count: 1

Broadband
 Type: Residential
 Technology: All Wired and Licensed Fixed Wireless
 Speed: 25/3 Mbps or greater
 Data As Of: Jun 30, 2022 (Last Updated: 11/17/22)

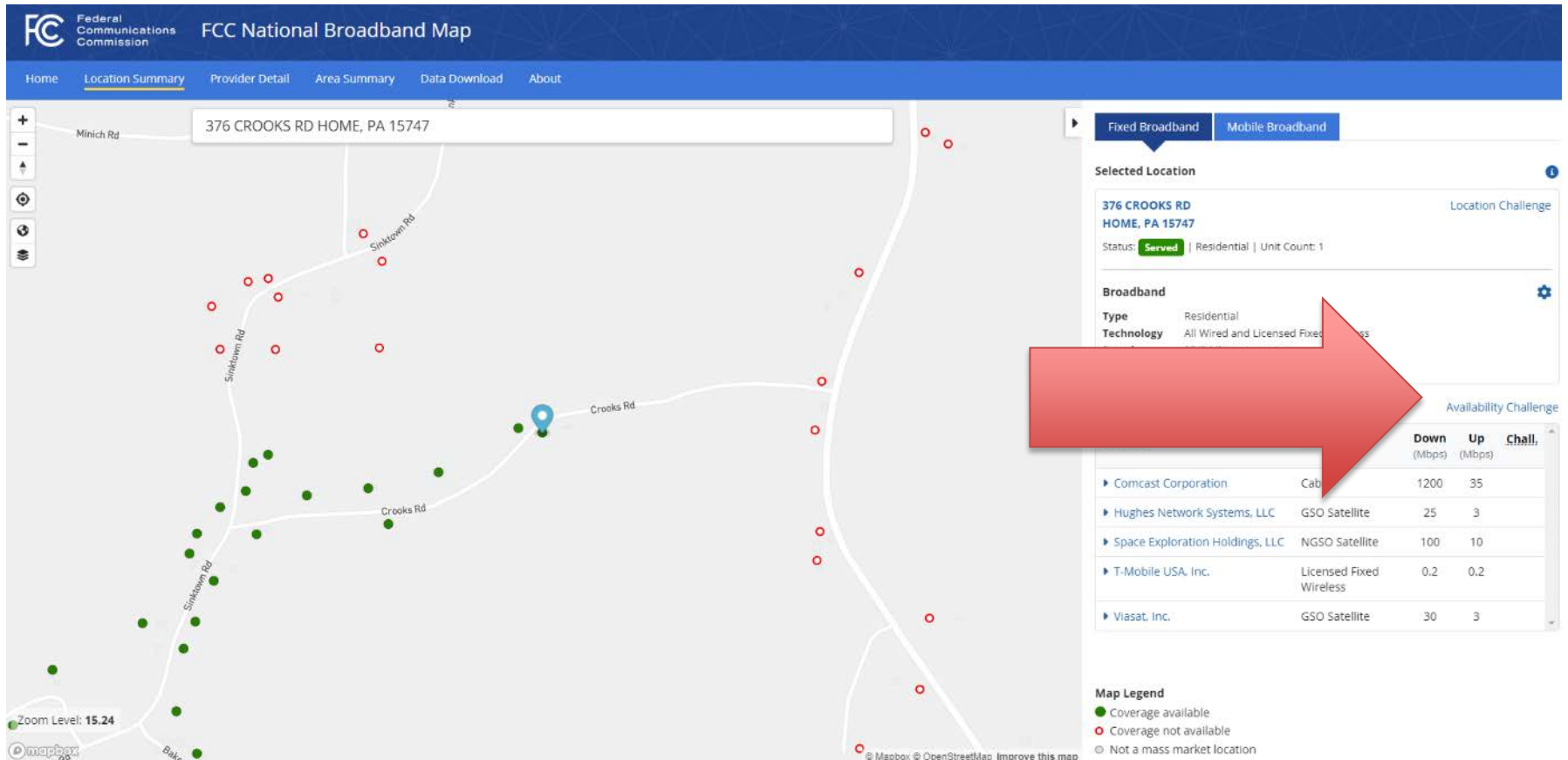
Residential | Business (Availability Challenge)

Provider	Technology	Down (Mbps)	Up (Mbps)	Chall.
Hughes Network Systems, LLC	GSO Satellite	25	3	
Space Exploration Holdings, LLC	NGSO Satellite	100	10	
T-Mobile USA, Inc.	Licensed Fixed Wireless	0.2	0.2	
Viasat, Inc.	GSO Satellite	30	3	
Windstream Services, LLC	Copper	0.2	0.2	

Map Legend
 ● Coverage available
 ○ Coverage not available
 ○ Not a mass market location

GREEN CIRCLE

If your location is GREEN and you cannot access high-speed internet, click 'Availability Challenge'



Federal Communications Commission
FCC National Broadband Map

Home | Location Summary | Provider Detail | Area Summary | Data Download | About

Search: 376 CROOKS RD HOME, PA 15747

Selected Location: **376 CROOKS RD HOME, PA 15747** Location Challenge
 Status: **Served** | Residential | Unit Count: 1

Broadband
 Type: Residential
 Technology: All Wired and Licensed Fixed Wireless

Availability Challenge

Provider	Technology	Down (Mbps)	Up (Mbps)	Chall.
Comcast Corporation	Cable	1200	35	
Hughes Network Systems, LLC	GSO Satellite	25	3	
Space Exploration Holdings, LLC	NGSO Satellite	100	10	
T-Mobile USA, Inc.	Licensed Fixed Wireless	0.2	0.2	
Viasat, Inc.	GSO Satellite	30	3	

Map Legend
 ● Coverage available
 ○ Coverage not available
 ○ Not a mass market location

AVAILABILITY CHALLENGE

Select a provider to challenge (ignore satellite and low-speed providers) – hit the ‘Submit’ button

Availability Challenge ✕
Dispute the Information on the Services Offered at this Location

Location
376 CROOKS RD HOME, PA 15747

Location ID
1024501024

Select Provider

Select	Provider	Technology	Down (Mbps)	Up (Mbps)
<input type="button" value="Select"/>	Comcast Corporation	Cable	1200	35
<input type="button" value="Select"/>	Hughes Network Systems, LLC	GSO Satellite	25	3
<input type="button" value="Select"/>	Space Exploration Holdings, LLC	NGSO Satellite	100	10
<input type="button" value="Select"/>	T-Mobile USA, Inc.	Licensed Fixed Wireless	0.2	0.2
<input type="button" value="Select"/>	Viasat, Inc.	GSO Satellite	30	3



SUBMITTING A CHALLENGE

1. Select 'Send my challenge to the selected provider'
 2. Enter name, email, phone (optional) and why you are challenging
 3. Click 'Submit'
- Congratulations! You've completed the challenge process!

Availability Challenge

Dispute the Information on the Services Offered at this Location

<input checked="" type="checkbox"/>	Comcast Corporation	Cable	1200	35
<input type="checkbox"/>	Hughes Network Systems, LLC	GSO Satellite	25	3
<input type="checkbox"/>	Space Exploration Holdings, LLC	NGSO Satellite	100	10
<input type="checkbox"/>	T-Mobile USA, Inc.	Licensed Fixed Wireless	0.2	0.2
<input type="checkbox"/>	Viasat, Inc.	GSO Satellite	30	3

Challenge or Feedback

Enter information about yourself and your dispute. If the information meets the criteria for a challenge, it will be shared with the provider for review and follow up. All fields required unless marked optional.

- Send my challenge to the selected provider
 I'm giving feedback about the information above but not submitting a challenge

Your Contact Information

Name

Email

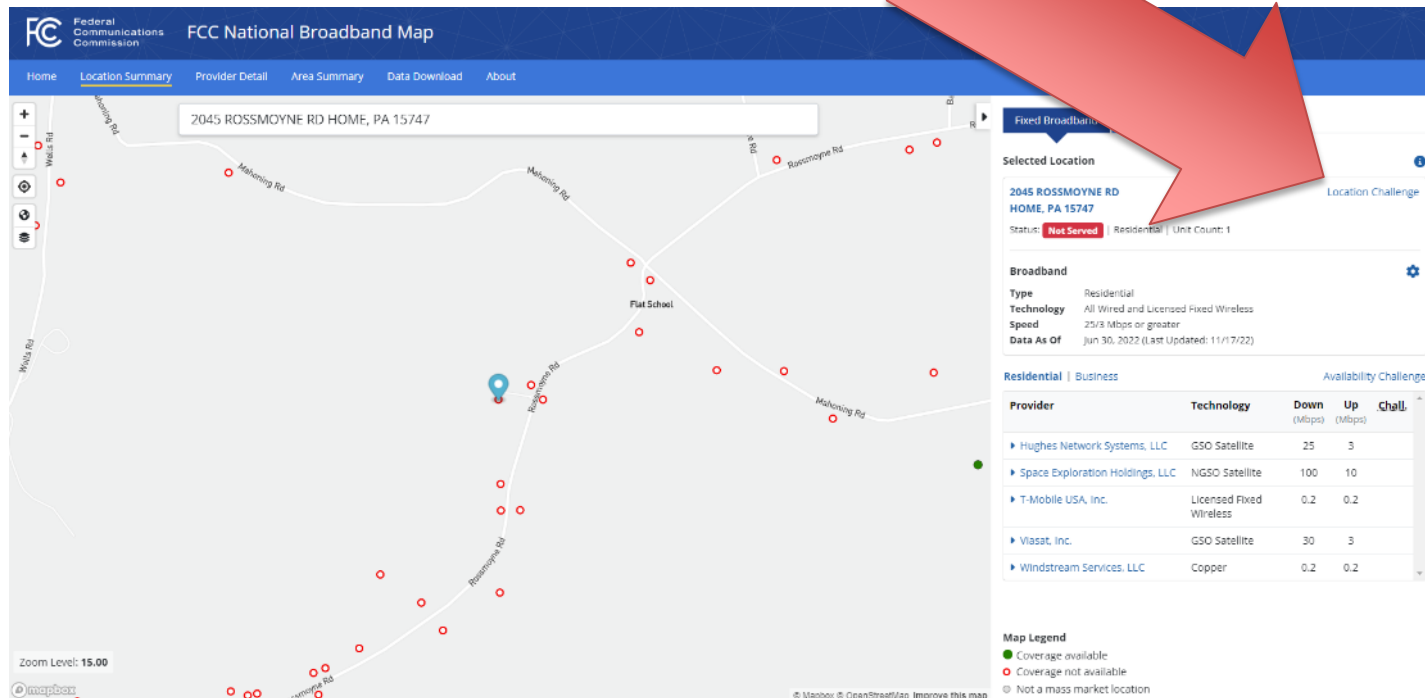
Phone Number (optional)

Tell Us More About Your Challenge

Describe Your Dispute

INCORRECT ADDRESS?

NOTE: If your address is incorrect, you may submit a location challenge by selecting the option



FCC National Broadband Map

Home Location Summary Provider Detail Area Summary Data Download About

2045 ROSSMOYNE RD HOME, PA 15747

Fixed Broadband

Selected Location

2045 ROSSMOYNE RD HOME, PA 15747 Location Challenge

Status: **Not Served** Residential | Unit Count: 1

Broadband

Type Residential

Technology All Wired and Licensed Fixed Wireless

Speed 25/8 Mbps or greater

Data As Of Jun 30, 2022 (Last Updated: 11/17/22)

Residential | Business Availability Challenge

Provider	Technology	Down (Mbps)	Up (Mbps)	Chall.
Hughes Network Systems, LLC	GSO Satellite	25	3	
Space Exploration Holdings, LLC	NGSO Satellite	100	10	
T-Mobile USA, Inc.	Licensed Fixed Wireless	0.2	0.2	
Viasat, Inc.	GSO Satellite	30	3	
Windstream Services, LLC	Copper	0.2	0.2	

Map Legend

- Coverage available
- Coverage not available
- ⊙ Not a mass market location

HOW TO SUBMIT BULK AVAILABILITY DATA TO THE AUTHORITY

Key and Example Challenge Data – Tab 1

Name:	This contact should be whomever the Authority/Penn State can contact with questions. Not necessarily the individual submitting the data.
Email:	
Phone:	
County/Municipality:	

SERVICE ADDRESS	LOCATION ID	PROVIDER NAME	TECHNOLOGY TYPE	DOWNLOAD SPEED ADVERTISED	UPLOAD SPEED ADVERTISED
Physical address of challenge location (i.e. home,business)	This is accessible through the Map. Once an address has been searched this information will be displayed by clicking the "Availability Challenge" option.	Internet Service Provider to be challenged	What is the means of technology used for service (i.e. cable/satellite/fixed wireless, etc.) This will be found on the same page as the Location ID	The speed at which the challenged provider claims to offer service. This can be found on the same page as the Location ID	The speed at which the challenged provider claims to offer service. This can be found on the same page as the Location ID

Example of Challenge Data:

SERVICE ADDRESS	LOCATION ID	PROVIDER NAME	TECHNOLOGY TYPE	DOWNLOAD SPEED ADVERTISED	UPLOAD SPEED ADVERTISED
Jane Williams	1234567899	Comcast	Cable	1000	50
Scott Johnson	1234567890	Hughes Net	Satellite	25	3
Eric Thomas	2345678901	T-Mobile	Licensed Fixed Wireless	0.2	0.2
David Green	3456789012	Verizon	Copper	0.2	0.2

Bulk Challenge Data – Tab 2

Name:	
Email:	
Phone:	
County/Municipality:	

SERVICE ADDRESS	LOCATION ID	PROVIDER NAME	TECHNOLOGY TYPE	DOWNLOAD SPEED ADVERTISED	UPLOAD SPEED ADVERTISED
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NEXT STEPS

- Review the map data and prepare challenges
- Submit challenge data to the Authority **1/9/23**
- Identify potential project areas



Q&A

HOW CAN YOU REACH US?

GENERAL QUESTIONS:

KALIE SNYDER, ECONOMIC DEVELOPMENT CONSULTANT, KALSNYDER@PA.GOV

TECHNICAL QUESTIONS:

KYLE SNYDER, BROADBAND PLANNING SPECIALIST, KYSNYDER@PA.GOV