



**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 21<sup>st</sup> 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**

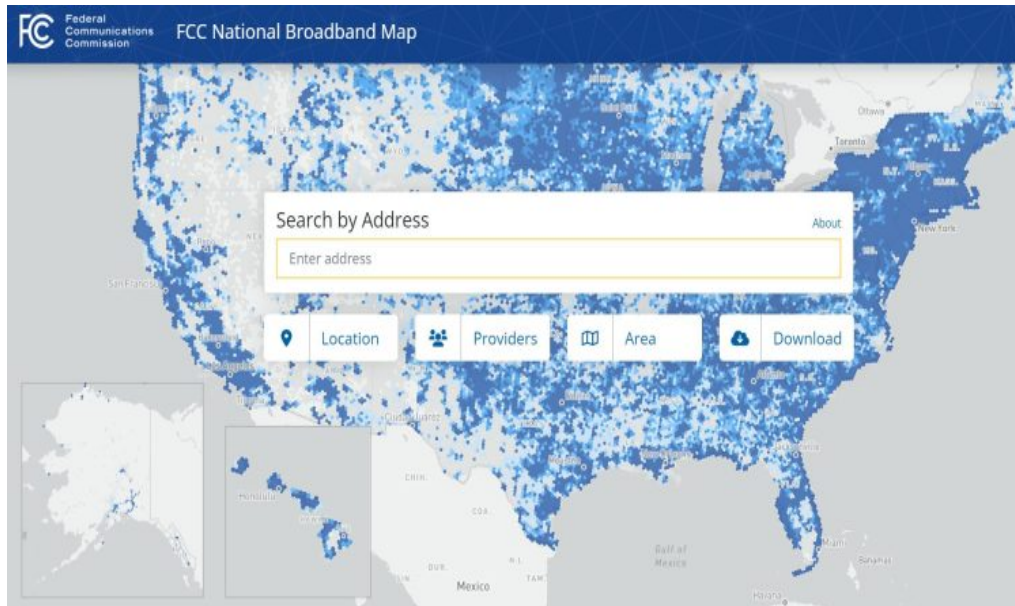
The American Rescue Plan Act (ARPA)

- **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



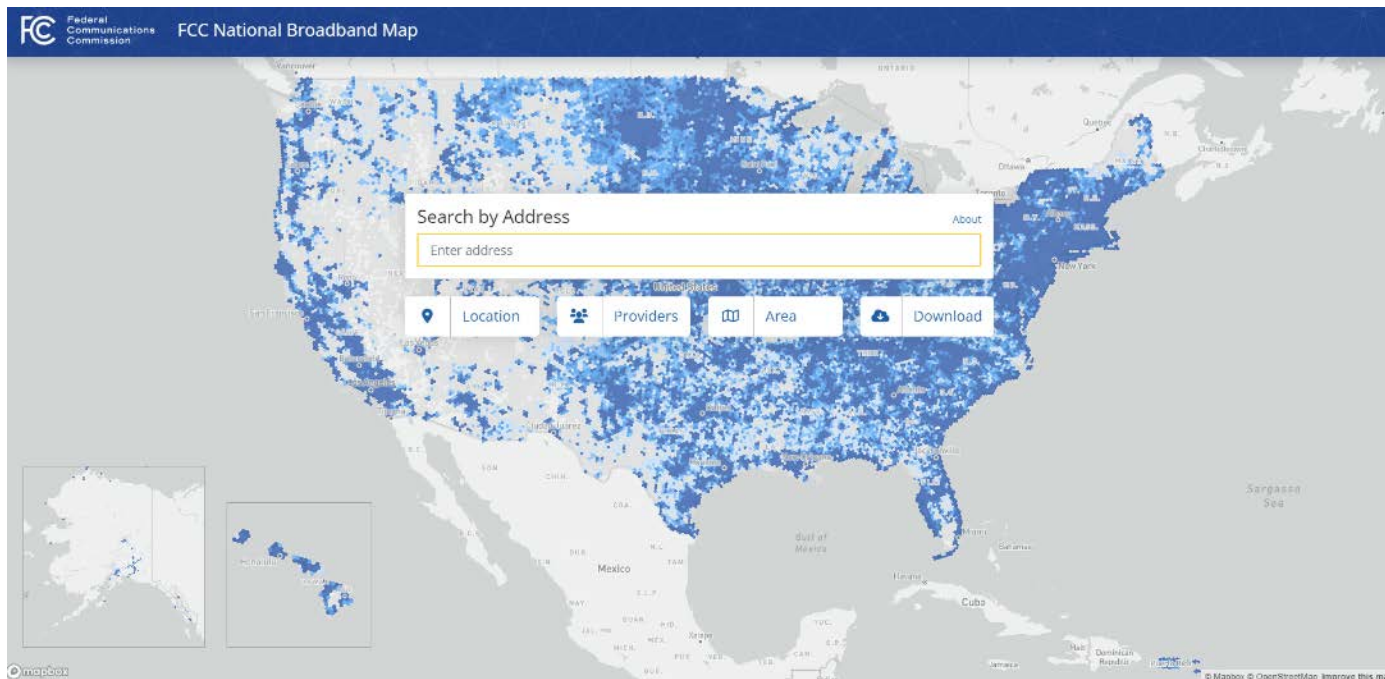
## FCC BROADBAND CHALLENGE INSTRUCTIONS

*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](http://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)

The screenshot shows the FCC National Broadband Map interface. The search bar contains the address "2045 ROSSMOYNE RD HOME, PA 15747". The map displays the location with a blue pin and green dots indicating coverage. The right-hand panel shows details for the selected location, including its status as "Served" and residential unit count. Below this, there is a table of broadband providers and their service details. A red arrow points to a gear icon in the "Selected Location" section, which is circled in red.

**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

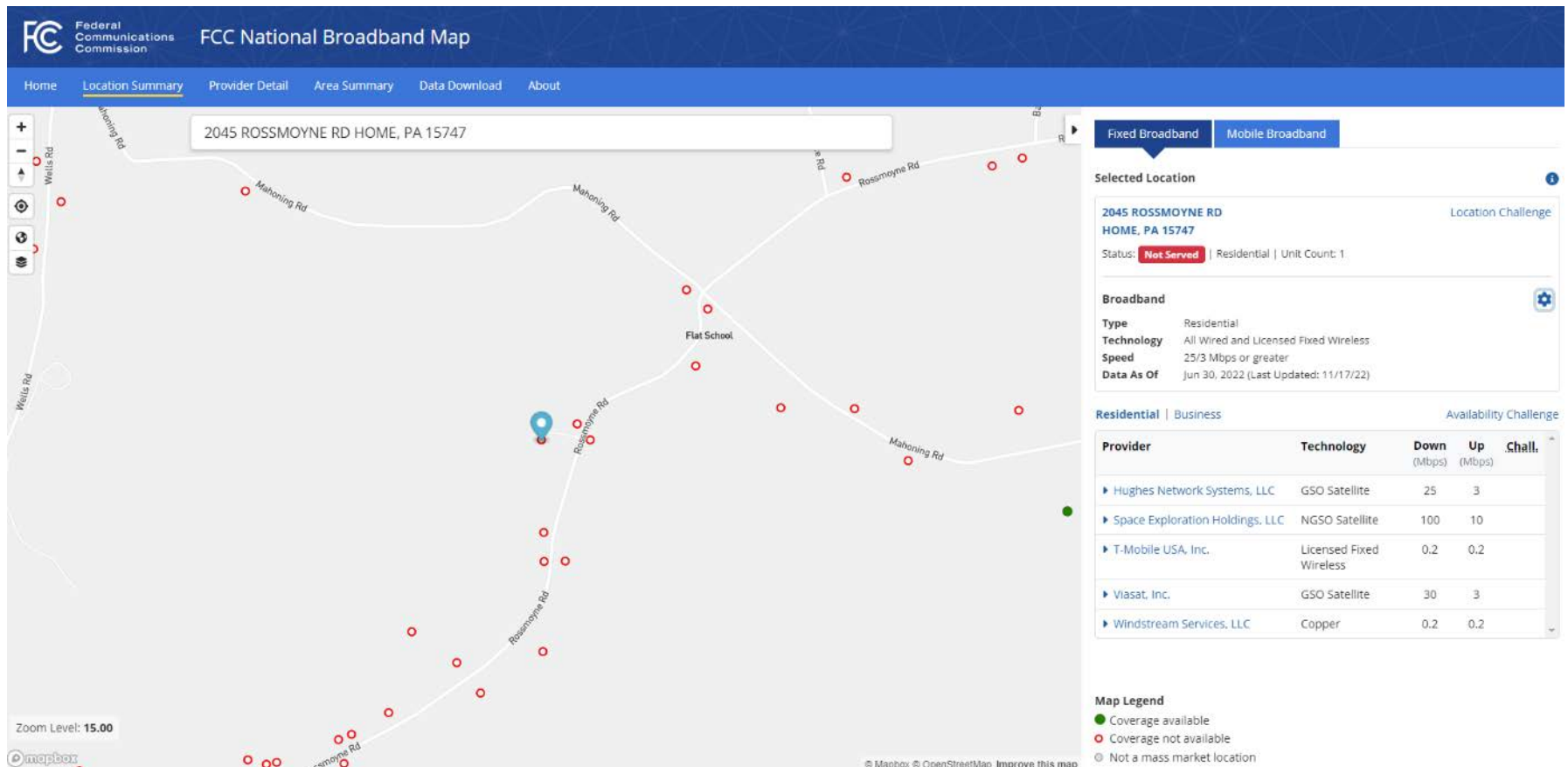
Speed (Mbps)

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



# 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

Fixed Broadband | Mobile Broadband

**Selected Location** Location Challenge

**2045 ROSSMOYNE RD HOME, PA 15747**

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

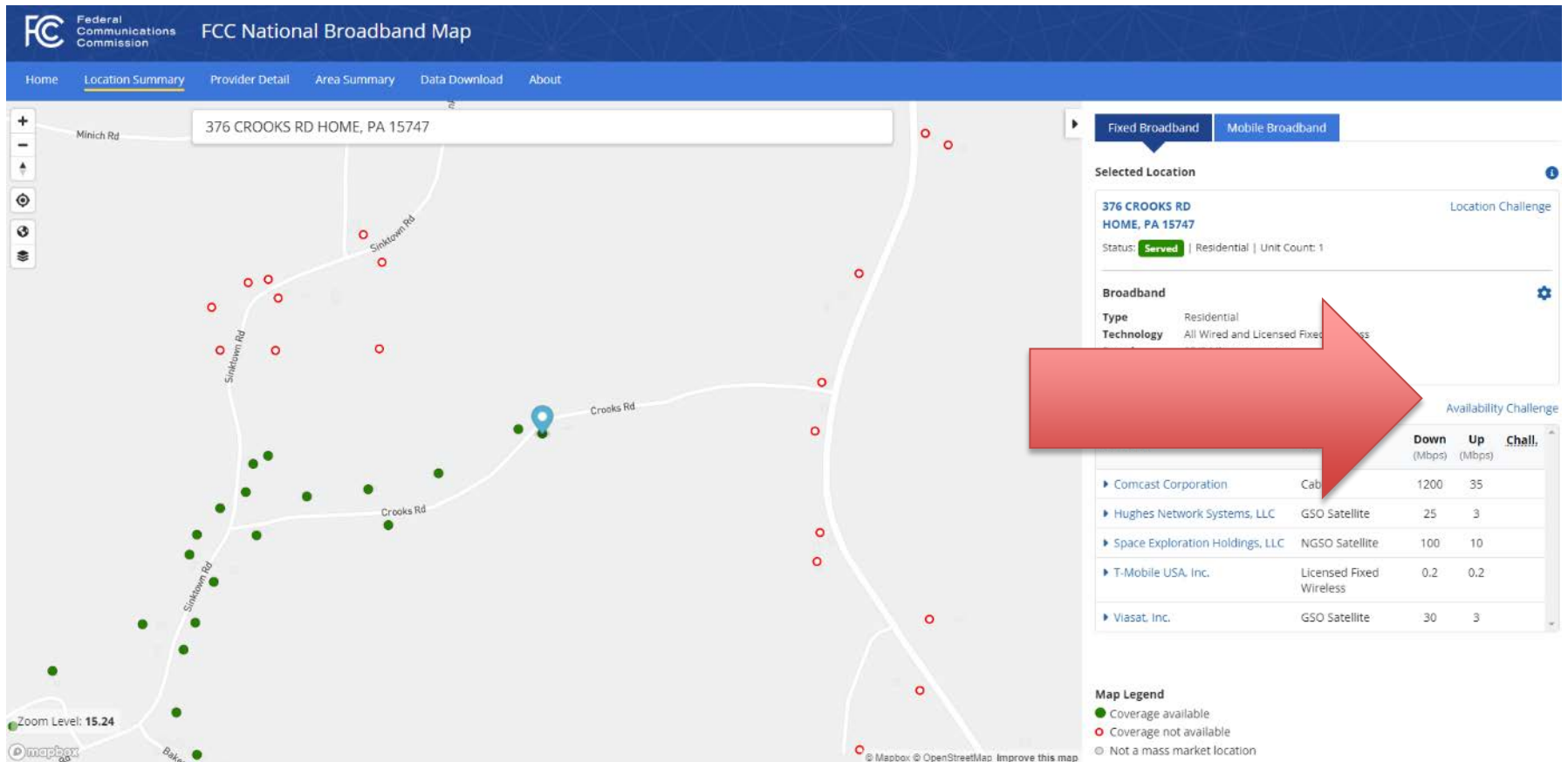
| Provider                          | Technology              | Down (Mbps) | Up (Mbps) | Chall. |
|-----------------------------------|-------------------------|-------------|-----------|--------|
| ▶ Hughes Network Systems, LLC     | GSO Satellite           | 25          | 3         |        |
| ▶ 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

Zoom Level: 15.00  
 © Mapbox © OpenStreetMap Improve this map

# 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

|                                 |                         | 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

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**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         |

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# 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)

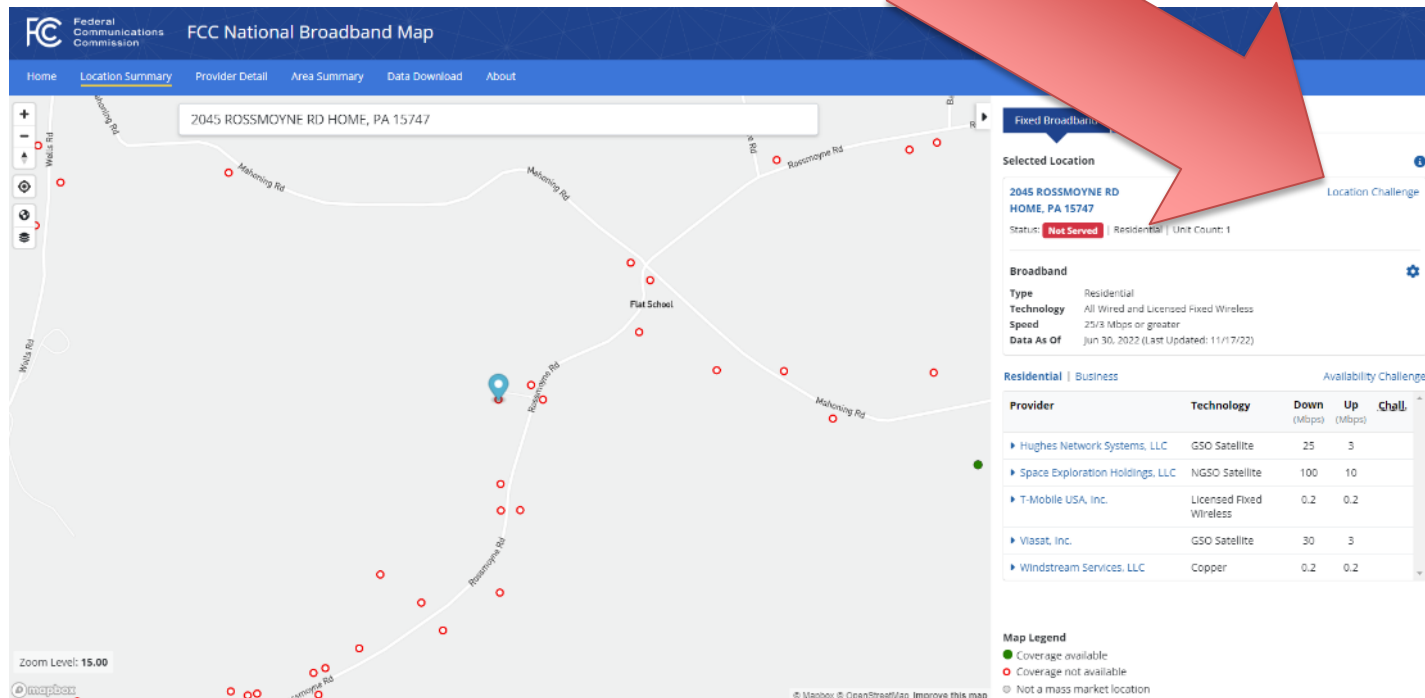
### Tell Us More About Your Challenge

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

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

| 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  | Smith's Internet        | Cable                   | 1000                      | 50                      |
| Scott Johnson   | 1234567890  | ABC Provider            | Satellite               | 25                        | 3                       |
| Eric Thomas     | 2345678901  | Wireless World Internet | Licensed Fixed Wireless | 0.2                       | 0.2                     |
| David Green     | 3456789012  | Wired For You           | Copper                  | 0.2                       | 0.2                     |

## Bulk Challenge Data – Tab 2

|                             |  |
|-----------------------------|--|
| <b>Name:</b>                |  |
| <b>Email:</b>               |  |
| <b>Phone:</b>               |  |
| <b>County/Municipality:</b> |  |

| SERVICE ADDRESS | LOCATION ID | PROVIDER NAME | TECHNOLOGY TYPE | DOWNLOAD SPEED ADVERTISED | UPLOAD SPEED ADVERTISED |
|-----------------|-------------|---------------|-----------------|---------------------------|-------------------------|
|-----------------|-------------|---------------|-----------------|---------------------------|-------------------------|

## 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](mailto:KALSNYDER@PA.GOV)

TECHNICAL QUESTIONS:

KYLE SNYDER, BROADBAND PLANNING SPECIALIST, [KYSNYDER@PA.GOV](mailto:KYSNYDER@PA.GOV)