

United States Senate

WASHINGTON, DC 20510-4804

COMMITTEES
APPROPRIATIONS
ARMED SERVICES
ENERGY AND NATURAL RESOURCES
VETERANS' AFFAIRS

July 18, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

In 2015 when the Federal Communications Commission's (FCC) broadband coverage maps indicated that 99.9% of Americans had wireless coverage, I invited your predecessor, Tom Wheeler, to West Virginia to see for himself just how bad coverage was on the ground. Sadly, four years later and after writing countless letters to you on this subject, questioning you about it in hearings, and even challenging one of your agency's federal coverage maps, the FCC's maps are still woefully inaccurate, and they are hurting the economy and the people of West Virginia.

As you know, last November, I became the only member of Congress ever to submit a formal and successful challenge to a federal broadband coverage map when I participated in the Mobility Fund Phase II (MF-II) Challenge Process. The aptly named Challenge Process for MF-II did have its flaws, but rather than considering it the end of an imperfect experiment, we should look to it as the beginning of a new, collaborative mapping process that encourages people to participate. That is why I introduced the Map Improvement Act (S. 1485) with Senator Gardner, which, if passed, would require the establishment of a user-friendly public feedback mechanism to validate carrier reported data. The people of West Virginia can certainly tell you where they do and do not have coverage. We just need to give them a voice in the process.

While I am encouraged by reports that you are considering establishing a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

In June, my staff visited Harman's Luxury Cabins in Cabins, West Virginia, located within the Monongahela National Forest and near some of the most iconic sites in West Virginia like Seneca Rocks, Spruce Knob and Dolly Sods. These cabins are an ideal place for anglers, hikers, bikers, hunters, and rafters who want to explore all that area has to offer. Unfortunately, I have been alerted that Harman's has received several cancelations due to their unreliable internet service.

West Virginia is an outdoorsman's dream and the perfect location for an office retreat or a weekend getaway. However, while people may choose to visit my state to unplug, that does not necessarily mean they want to be completely disconnected. The lack of broadband access is

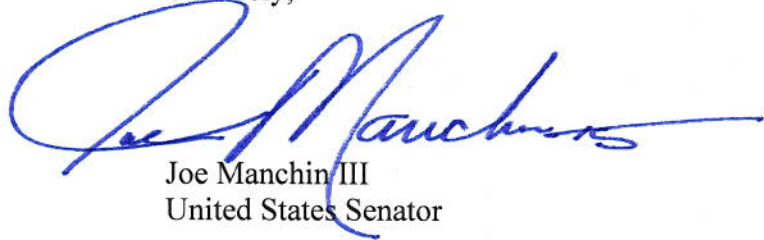
having devastating impacts on the tourism industry in my state, one of our largest economic drivers. Ironically, the same things that attract people to visit my beautiful state - our tall mountains, lush forests, rolling hills and roaring rapids - make broadband deployment astronomically expensive.

Using the Ookla Speed Testing Application on a Samsung Galaxy phone to test their fixed broadband service from Frontier Communications, my office received the following speed results at Harman's:

1. .03mbps down / .1mbps up (Frontier)
2. .12mbps down / .04mbps up (Frontier)
3. .25mbps down / .04mbps up (Frontier)
4. .19mbps down / .24mbps up (Frontier)

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Harman's Luxury Cabins in Cabins, WV depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

JOE MANCHIN III
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August 14, 2019

The Honorable Ajit Pai
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Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Great Cacapon, West Virginia which is a short drive to Cacapon Resort State Park. The park, which is a popular spot for fishing, hiking and camping, is also undergoing an expansion right now, which will transform the area and provide an opportunity to bring more visitors to the park.

With places like Cacapon Resort State Park, it is no secret that West Virginia is an outdoorsman's dream and the perfect location for an office retreat or a weekend getaway. However, while people may choose to visit my state to unplug, that does not necessarily mean they want to be completely disconnected. The lack of broadband access is having devastating impacts on the tourism industry in my state, one of our largest economic drivers. Further, the lack of quality internet coverage in Great Cacapon is hurting students who are unable to complete their homework or use online textbooks because of a slow or non-existent connection.

Using the Ookla Speed Testing Application on an iPad to test their fixed broadband service from Frontier Communications, my office received the following speed results at Great Cacapon

- 5.88mbps down / 0.62mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Great Cacapon depend on the promise of universal service, and it is our job to make good on that promise.

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I received correspondence from Masontown, West Virginia in the northeastern part of the state and only a short drive away from iconic Cooper's Rock State Park. While this area is known for its natural beauty, many working people, including healthcare workers, also call Masontown home. Fixed broadband access is especially necessary for those in the healthcare field, who need to preserve patient safety and comply with HIPAA regulations. If fixed broadband is unavailable and unreliable, the safety and security of residents' private information may be vulnerable.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having devastating impacts on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state - our tall mountains, lush forests, rolling hills and roaring rapids - make broadband deployment astronomically expensive.

Using the Ookla Speed Testing Application on an iPhone XS to test their fixed broadband service from Frontier Communications, my office received the following speed results from Masontown:

- 0.0mbps down/ 0.0mbps up
- 6.88mbps down / 0.0mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Masontown depend on the promise of universal service, and it is our job to make good on that promise.

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I received correspondence from two different constituents that live in a residential area in Wheeling, West Virginia, located along the Ohio River in the foothills of the Appalachian Mountains. Wheeling is known for being the first capital city of WV, and holds a rich history. Unfortunately, I have been alerted that residents of Wheeling have had difficulty accessing information for work and school due to their unreliable internet service.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having devastating impacts on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state - our tall mountains, lush forests, rolling hills and roaring rapids - make broadband deployment astronomically expensive.

Using the Ookla Speed Test Application on a PC Running Windows 10 and an Aesus laptop to test their fixed broadband services from Frontier Communications, my office received the following speed results in Wheeling, WV:

- 11.38 mbps down / 0.77 mbps up
- 3.75 mbps down/ 0.46 mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Wheeling, WV depend on the promise of universal service, and it is our job to make good on that promise.

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I received correspondence from a constituent that lives in a residential area in Sandyville, West Virginia, located near Sandy Creek, between Ravenswood and Ripley. Unfortunately, I have been alerted that residents of Sandyville have had difficulty accessing information for work and school due to their unreliable internet service.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having devastating impacts on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state - our tall mountains, lush forests, rolling hills and roaring rapids - make broadband deployment astronomically expensive.

Using the 10.14.5 version of Mojave on a Macbook laptop, 2017 to test their fixed broadband service from Frontier Communications, my office received the following speed results from Sandyville:

- 3.0 mbps down / 0.7 mbps up
- 5.7 mbps down / 0.7 mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Sandyville depend on the promise of universal service, and it is our job to make good on that promise.

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I received correspondence from a constituent in Charleston, West Virginia, the capital of our beautiful state. This growing area is home to our state government, world-class healthcare institutions, and a vibrant array of local businesses, artists, and musicians. The people of Charleston rely on high-speed internet to govern, provide treatment, and conduct business. Additionally, the Charleston area is home to the largest school district in the state, meaning many students require high-speed internet in order to do homework or attend online classes. Any impediment to internet access could be detrimental to this bustling area.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having devastating impacts on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state - our tall mountains, lush forests, rolling hills and roaring rapids - make broadband deployment astronomically expensive.

Using the Ookla Speed Testing Application on a Samsung Galaxy S9+ to test their fixed broadband service from Frontier Communications, my office received the following speed results from Charleston:

- 2.75mbps down / 0.68mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Charleston depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



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I received correspondence from a constituent in Bruceton Mills, West Virginia in the northeastern part of the state and home to the Big Bear Lake campgrounds, where many people come to visit and enjoy the lake as well as the mountain scenery. West Virginia is an outdoorsman's dream and the perfect location for an office retreat or a weekend getaway. However, while people may choose to visit my state to unplug, that does not necessarily mean they want to be completely disconnected.

The lack of broadband access is having devastating impacts on the tourism industry in my state, one of our largest economic drivers. Ironically, the same things that attract people to visit my beautiful state - our tall mountains, lush forests, rolling hills and roaring rapids - make broadband deployment astronomically expensive.

Using the Ookla Speed Testing Application on a laptop to test their fixed broadband service from Frontier Communications, my office received the following speed results from Bruceton Mills:

- 6.17mbps down / .70mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Bruceton Mills depend on the promise of universal service, and it is our job to make good on that promise.

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My office received speed tests from Renick, West Virginia where customers are being charged for much more than the technology will provide them with. Renick is located just on the edge of the George Washington and Jefferson national forests and adjacent to the National Radio Quiet Zone. The lack of efficient and reliable broadband access to the town of Renick is detrimental to the area's economy, driven primarily by the national forests and ski resorts nearby. Ironically, the same things that attract people to visit my beautiful state - our tall mountains, lush forests, rolling hills and roaring rapids - make broadband deployment astronomically expensive.

Using the Ookla Speed Testing Application on a Windows 10 computer to test their fixed broadband service from Frontier Communications, my office received the following speed results at Renick:

- 5.87mbps down / 0.59mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Renick depend on the promise of universal service, and it is our job to make good on that promise.

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My office received speed tests from the town of Petersburg, West Virginia, located within a short drive of Smoke Hole Caverns, Seneca Rocks, Spruce Knob, and the greater Dolly Sods wilderness area. These places are some of West Virginia's most popular attractions, especially for folks who like to fish, hike, bike, hunt, raft and experience all the incredible natural beauty that West Virginia has to offer.

For tourists traveling from areas such as Washington D.C., Petersburg is the last stop before entering the Monongahela National Forest. Reliable broadband connectivity is something both tourists and residents of the Petersburg area lack consistently, and this is having devastating impacts on the tourism industry in my state, one of our largest economic drivers. Ironically, the same things that attract people to visit my beautiful state - our tall mountains, lush forests, rolling hills and roaring rapids - make broadband deployment astronomically expensive.

Using the Frontier Internet Speed Test Tool Application on an iPad to test their mobile broadband service from Frontier Communications, my office received the following speed results from Petersburg:

- 2.2mbps down / 0.2mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Petersburg depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

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October 9, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

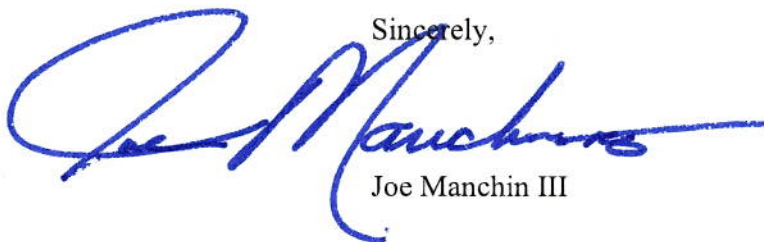
I have received correspondence from another constituent in Great Cacapon, West Virginia which is a short drive to Cacapon Resort State Park. The park, a popular spot for fishing, hiking, and camping, is undergoing an expansion right now, which will transform the area and provide an opportunity to bring more visitors to the park. While some of these visitors may appreciate the chance to unplug, that does not necessarily mean they want to be completely disconnected. For West Virginia to continue to develop its tourism industry in places like Great Cacapon, broadband access is critical. Further, the lack of quality internet coverage in Great Cacapon is hurting students who are unable to complete their homework or use online textbooks because of a slow or non-existent connection.

Using the Ookla Speed Testing Application on a Dell desktop PC to test their fixed broadband service from Frontier Communications, my office received the following speed results at Great Cacapon:

- 5.38mbps down / 0.48mbps up
- 3.10mbps down / 0.25mbps up
- 0.41mbps down / 0.20mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Great Cacapon depend on the promise of universal service, and it is our job to make good on that promise.

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I have received correspondence from a constituent in Clarksburg, West Virginia, the home of the West Virginia Italian Heritage Festival. The area boasts a rapidly growing airport with connections to Chicago and Washington, DC and the Mid-Atlantic Aerospace Complex, which hosts some of our nation's most critical aerospace companies, including Aurora Flight Sciences, a subsidiary of Boeing; Bombardier; Pratt & Whitney Engine Services; and Lockheed Martin. It is also home to the FBI Criminal Justice Information Services (CJIS) Division, the largest division of the FBI, which employs thousands in the community. Any impediment to internet access could be detrimental to this bustling area.

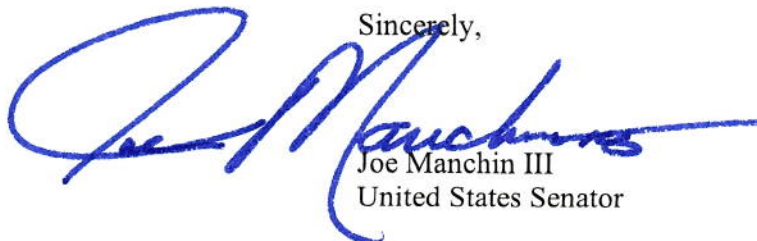
West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having devastating impacts on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state - our tall mountains, lush forests, rolling hills and roaring rapids - make broadband deployment astronomically expensive.

Using the Frontier Wireless Speed Testing Application on a Dell laptop to test their fixed broadband service from Frontier Communications, my office received the following speed results at Clarksburg:

- 1.7mbps down / 0.60mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Clarksburg depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



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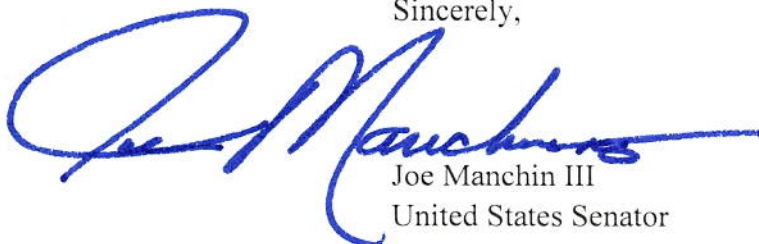
I have received correspondence from a constituent in Berkeley Springs, West Virginia in the state's eastern panhandle. The local mineral springs has been drawing visitors to the area since the mid-1800s and the area remains a popular tourist destination today. Both Cacapon State Park Resort and Coolfont Resort are significant economic drivers for the area. The state park, a popular spot for fishing, hiking, and camping, is also undergoing an expansion right now, which will transform the area and provide an opportunity to bring more visitors to the park. While some of these visitors my appreciate the chance to unplug, that does not necessarily mean they want to be completely disconnected. For West Virginia to continue to develop its tourism industry in places like Berkeley Springs, broadband access is critical.

Using the AT&T Speed Testing Application on a Lenovo PC wireless device to test their fixed broadband service from Frontier Communications, my office received the following speed results at Berkeley Springs:

- 1.23mbps down / 0.51mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Berkley Springs depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



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I have received correspondence from a constituent in Tornado, West Virginia, which is an essential part of the Charleston metropolitan area. For many years, the people of Tornado played a key role in America's defense industries and helped power our country to victory in WWII. Today, Tornado is a vital suburb of Charleston and thrives when there is reliable internet. Any impediment to internet access could be detrimental to this bustling area.

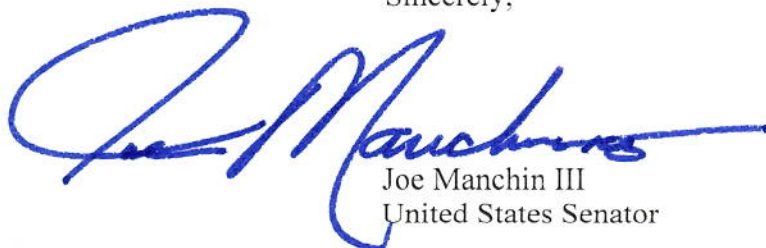
West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state - our tall mountains, lush forests, rolling hills and roaring rapids - make broadband deployment astronomically expensive.

Using the Ookla Speed Testing Application on a Dell Desktop PC to test their fixed broadband service from Frontier Communications, my office received the following speed results from Tornado:

- 1.47mbps down / 0.28mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Tornado depend on the promise of universal service, and it is our job to make good on that promise.

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While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Mount Nebo, West Virginia, a key tourist destination in Central West Virginia, which is home to the beautiful Summersville Lake at the foot of the Gauley River National Recreation Area, and Carnifex Ferry Battlefield State Park. West Virginia is an outdoorsman's dream and the perfect location for an office retreat or a weekend getaway. While some of these visitors may enjoy the chance to unplug, that doesn't necessarily mean they want to be completely disconnected. Furthermore, consistent high-speed broadband is essential to the day-to-day management of growing tourism focused businesses.

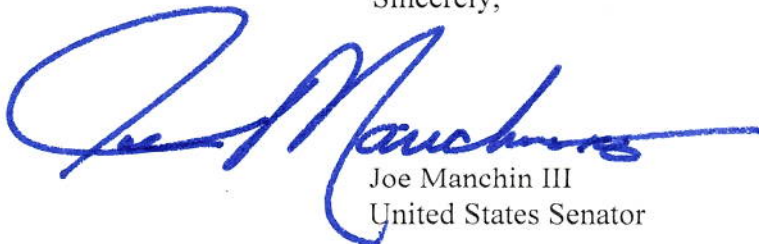
The lack of broadband access is having devastating impacts on the tourism industry in my state, one of our largest economic drivers. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Speed Testing Application on a Dell Laptop PC to test their fixed broadband service from Frontier Communications, my office received the following speed results from Mount Nebo:

- 5.4mbps down / 0.49mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Mount Nebo depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

JOE MANCHIN III
WEST VIRGINIA

SUITE 306
HART BUILDING
WASHINGTON, DC 20510
(202) 224-3954

United States Senate

WASHINGTON, DC 20510-4804

COMMITTEES

APPROPRIATIONS
ARMED SERVICES
ENERGY AND NATURAL RESOURCES
VETERANS' AFFAIRS

October 9, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Jane Lew, West Virginia which sits along Hackers Creek in North Central West Virginia and is just a short drive from Clarksburg and Fairmont. This location makes Jane Lew a home to many of the people that contribute to the economic and social wellbeing of our state. Unfortunately, I have been alerted that residents of Jane Lew have had difficulty accessing information for work and school due to their unreliable internet service.

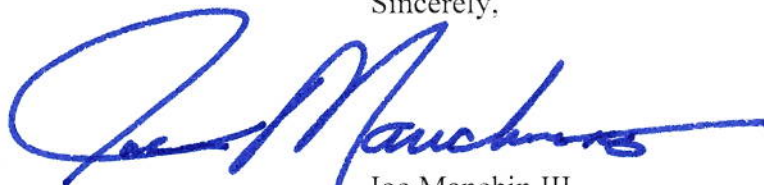
West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Speed Testing Application on an Apple iPhone 6 to test their fixed broadband service from Frontier Communications, my office received the following speed results from Jane Lew:

- 1.31mbps down / 0.31mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Jane Lew depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

United States Senate

WASHINGTON, DC 20510-4804

COMMITTEES
APPROPRIATIONS
ARMED SERVICES
ENERGY AND NATURAL RESOURCES
VETERANS' AFFAIRS

October 9, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

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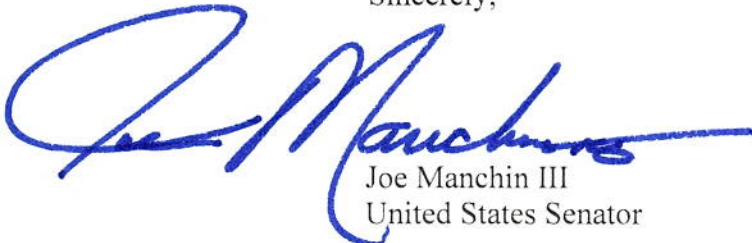
I have received correspondence from a constituent in Cameron, West Virginia, located in the Northern Panhandle and part of the Wheeling, WV metropolitan area. This area has a rich history, immense natural beauty, and countless hard working West Virginians. Unfortunately, I have been alerted that residents of Cameron are having difficulty accessing information for work and school due to their unreliable internet service. The lack of consistent broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state.

Using the Speakeasy Speed Testing Application on a Dell Laptop PC to test their fixed broadband service from Frontier Communications, my office received the following speed results from Cameron:

- 5.79mbps down / 0.61mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Cameron depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

JOE MANCHIN III
WEST VIRGINIA

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(202) 224-3954

United States Senate

WASHINGTON, DC 20510-4804

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ENERGY AND NATURAL RESOURCES
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October 9, 2019

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Federal Communications Commission
445 12th Street SW
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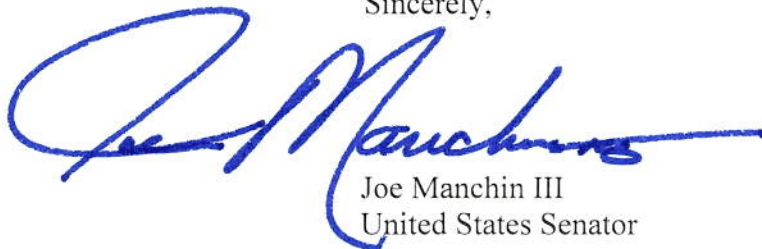
I have received correspondence from a constituent in Bruceton Mills, West Virginia in the Northeastern part of the state and home to the Big Bear Lake campgrounds, where many people come to visit and enjoy the lake as well as the beautiful mountain scenery. West Virginia is an outdoorsman's dream and the perfect location for an office retreat or a weekend getaway. Unfortunately, reliable broadband connectivity is something both tourists and residents of Bruceton Mills lack consistently. This lack of quality internet coverage in Bruceton Mills, like many small towns across the state, continues to stunt economic development projects that could provide jobs to local residents.

Using the Ookla Speed Testing Application on an iPhone 6 to test their fixed broadband service from AT&T Internet, my office received the following speed results from Bruceton Mills:

- 2.35mbps down / 2.52mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Bruceton Mills depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

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WEST VIRGINIA

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WASHINGTON, DC 20510
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October 9, 2019

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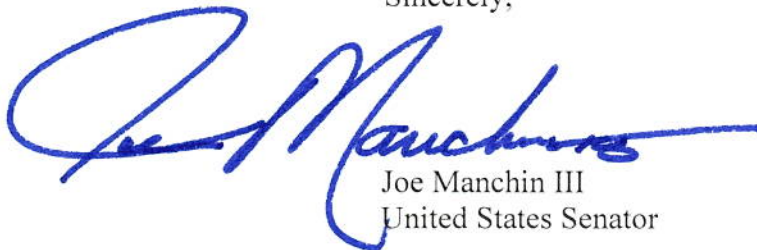
I have received correspondence from a constituent in Belington, West Virginia, home to Audra State Park and Laura Hill Battlefield, a Civil War battleground, which are two popular attractions that bring in both native West Virginians and tourists alike. West Virginia is an outdoorsman's dream and the perfect location for an office retreat or a weekend getaway. While some of these visitors may appreciate the chance to unplug, that does not necessarily mean they want to be completely disconnected. For West Virginia to continue to develop its tourism industry in places like Belington, broadband access is critical.

Using the Ookla Speed Testing Application on a Dell Desktop PC to test their fixed broadband service from Frontier Communications, my office received the following speed results from Belington:

- 22.56mbps down / 1.56mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Belington depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

JOE MANCHIN III
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October 9, 2019

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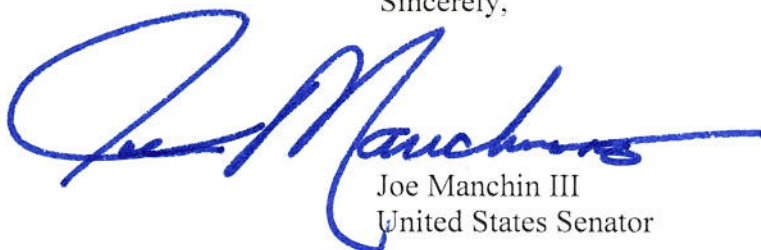
I have received correspondence from a constituent in Wheeling, West Virginia, located along the Ohio River in the foothills of the Appalachian Mountains. Wheeling, WV is known for being the first capital city of West Virginia and his home to major entertainment attractions like the Wheeling Island Hotel-Casino-Racetrack and Capitol Theatre, the largest in the state. Reliable and constituent broadband internet is non-negotiable in this bustling metropolitan region. Unfortunately, I have been alerted that residents of Wheeling are reporting unreliable internet service.

Using the Ookla Speed Testing Application on an Asesus Laptop PC to test their fixed broadband service from Frontier Communications, my office received the following speed results in Wheeling, WV:

- 3.75mbps down / 0.46mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Wheeling, WV depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

JOE MANCHIN III
WEST VIRGINIA

SUITE 306
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WASHINGTON, DC 20510
(202) 224-3954

United States Senate

WASHINGTON, DC 20510-4804

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ENERGY AND NATURAL RESOURCES
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October 9, 2019

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Federal Communications Commission
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I have received correspondence from a constituent in Aurora, West Virginia, located at the foot of the Monongahela National Forest in the Northeastern part of the state. Aurora is also home to Cathedral State Park as well as a countless hard working West Virginians who rely on consistent broadband access to attract tourists from across the country. Unfortunately, I have been alerted that residents of Aurora are having difficulty with reliable internet.

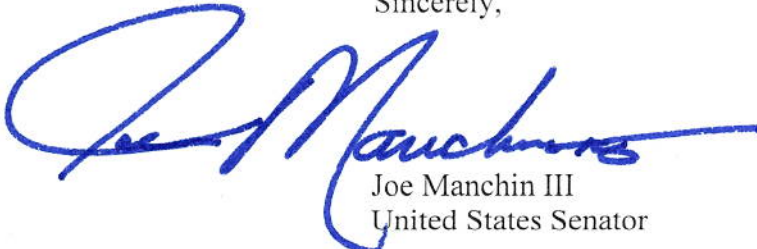
West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having devastating impacts on resident's ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive. For West Virginia to continue to develop its tourism industry, broadband access is critical.

Using the Ookla Speed Testing Application on a Dell Laptop PC to test their fixed broadband service from Frontier Communications, my office received the following speed results from Aurora:

- 1.7mbps down / 0.3mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Aurora depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

United States Senate

WASHINGTON, DC 20510-4804

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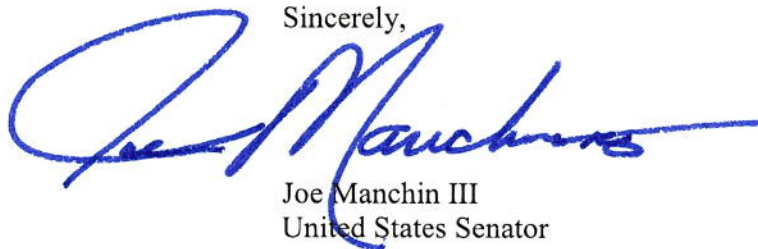
I have received correspondence from a constituent in Beverly, West Virginia, a short drive to Monongahela National Forest and Kumbrabow State Forest. Historic Beverly was one of the first settlements west of the Alleghenies, with dozens of pre-Civil War buildings and a rich history. It is just a short drive to the Rich Mountain Battlefield, one of the first engagements of the Civil War. Thousands of tourists traveling to the Monongahela National Forest and Kumbrabow, pass through Beverly each year. Unfortunately, reliable broadband connectivity is something both tourists and residents of the Beverly area lack consistently. This lack of quality internet coverage in Beverly, like many small towns across the state, continues to stunt economic development projects that could provide jobs local residents.

Using the Frontier Speed Test Application on an Apple iPhone 5SE to test their fixed broadband service from Frontier Communications, my office received the following speed results at Beverly:

- 2.1mbps down / 0.30mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Beverly depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

United States Senate

WASHINGTON, DC 20510-4804

COMMITTEES
APPROPRIATIONS
ARMED SERVICES
ENERGY AND NATURAL RESOURCES
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October 9, 2019

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Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

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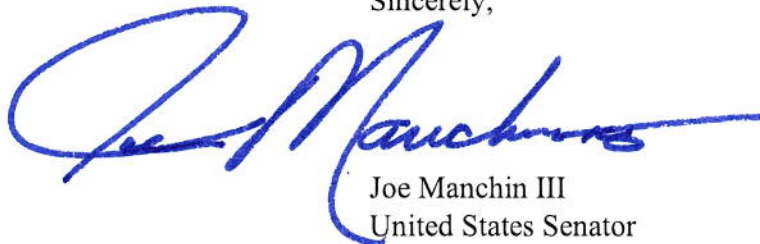
I have received correspondence from a constituent in Rivesville, West Virginia, a short drive to the University of West Virginia. Rivesville is a historic West Virginia town that grew with the mining and industrial economy boom. The closure of the Rivesville Power Plant precipitated many local job losses and has forced Rivesville to reinvent itself through innovation in the tourist and services industries. Without reliable internet, it is difficult to start and build new businesses. West Virginia is a full of ingenious people with entrepreneurial spirit, however the lack of reliable broadband access prevents our state from reaching its full potential.

Using the Ookla Speed Testing Application on a household desktop to test their fixed broadband service from Frontier Communications, my office received the following speed results at Rivesville:

- 7.01mbps down / 0.87mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Rivesville depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

United States Senate

WASHINGTON, DC 20510-4804

COMMITTEES
APPROPRIATIONS
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ENERGY AND NATURAL RESOURCES
VETERANS' AFFAIRS

October 9, 2019

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Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

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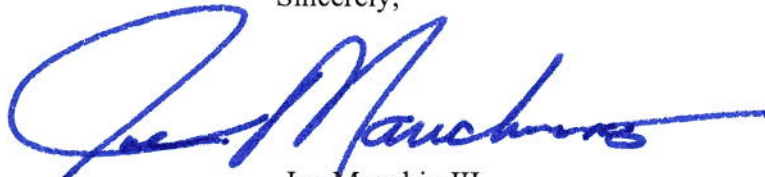
I have received correspondence from a constituent in Philippi, West Virginia, a short drive from Morgantown and Buckhannon. Philippi was the scene of the first land battle of the American Civil War and is home to Alderson-Broaddus University, which is renowned for its nursing and physician assistant programs. The largest employers in the community, Broaddus Hospital and Alderson-Broaddus University, rely heavily on fixed broadband access to take care of patients and train future providers. If fixed broadband is unavailable and unreliable, the safety and security of residents may be vulnerable.

Using the Speedtest.net application on an HP laptop with Windows 10 to test their fixed broadband service from Frontier Communications, my office received the following speed results at Philippi:

- 0.58mbps down / 0.19mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Philippi depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

United States Senate

WASHINGTON, DC 20510-4804
October 9, 2019

COMMITTEES
APPROPRIATIONS
ARMED SERVICES
ENERGY AND NATURAL RESOURCES
VETERANS' AFFAIRS

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Berkeley Springs, West Virginia in the state's Eastern Panhandle. The local mineral springs has been drawing visitors to the area since the mid-1800s and the area remains a popular tourist destination today. Both Cacapon State Park Resort and Coolfont Resort are significant economic drivers for the area. The state park, a popular spot for fishing, hiking, and camping, is also undergoing an expansion right now, which will transform the area and provide an opportunity to bring more visitors to the park. While some of these visitors appreciate the chance to unplug, that does not necessarily mean they want to be completely disconnected. For West Virginia to continue to develop its tourism industry in places like Berkeley Springs, broadband access is critical.

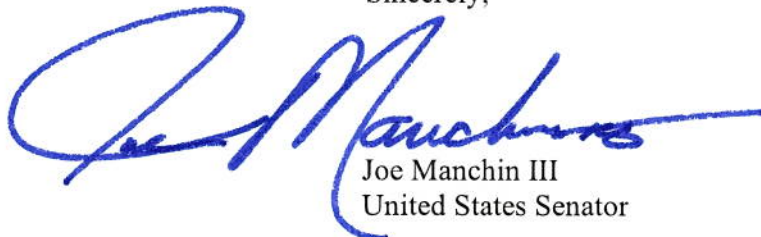
The lack of broadband access is having devastating impacts on the tourism industry in my state, one of our largest economic drivers. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Speed Testing Application on a Dell Laptop PC to test their fixed broadband service from AT&T Mobile Broadband Service, my office received the following speed results from Berkeley Springs:

- 1.74mbps down / 9.23mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Berkeley Springs depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

JOE MANCHIN III
WEST VIRGINIA

SUITE 306
HART BUILDING
WASHINGTON, DC 20510
(202) 224-3864

United States Senate

WASHINGTON, DC 20510-4804
October 23, 2019

COMMITTEES
APPROPRIATIONS
ARMED SERVICES
ENERGY AND NATURAL RESOURCES
VETERANS' AFFAIRS

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

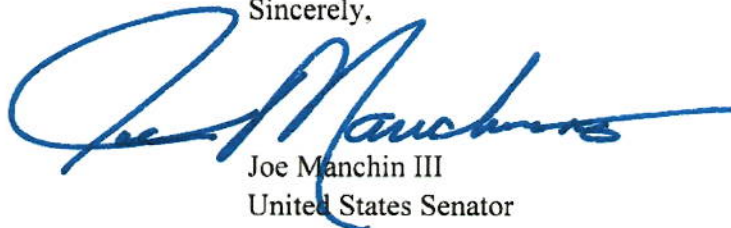
I have received correspondence from a constituent in Ranson, West Virginia which is a short drive to Harpers Ferry National Historical Park. Harpers Ferry, a popular spot for fishing, hiking, tubing and camping, was the home of John Brown's raid and served as a precursor to the US Civil War. As a result, Harper's Ferry is one of the most visited areas of West Virginia. While some of these visitors may appreciate the chance to unplug, that does not necessarily mean they want to be completely disconnected. For West Virginia to continue to develop its tourism industry in places like Ranson, broadband access is critical.

Using the WhistleOut Speed Testing Application on a Dell Desktop Computer to test their fixed broadband service from Frontier Communications, my office received the following speed results in Ranson:

- 1.05mbps down / 0.0mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Ranson depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

JOE MANCHIN III
WEST VIRGINIA

SUITE 306
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WASHINGTON, DC 20510
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United States Senate

WASHINGTON, DC 20510-4804

October 23, 2019

COMMITTEES
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The Honorable Ajit Pai
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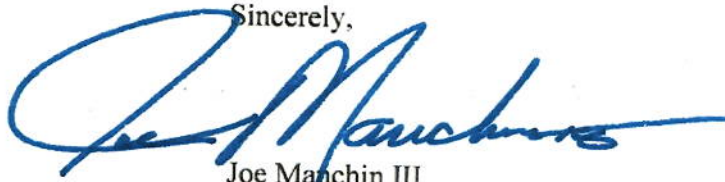
I have received correspondence from a constituent in Shepherdstown, West Virginia which is a short drive to Harpers Ferry National Historical Park. Harpers Ferry, a popular spot for fishing, hiking, tubing and camping, was the home of John Brown's raid and served as a precursor to the American Civil War. As a result, Harper's Ferry is one of the most visited areas of West Virginia. While some of these visitors may appreciate the chance to unplug, that does not necessarily mean they want to be completely disconnected. For West Virginia to continue to develop its tourism industry in places like Shepherdstown, broadband access is critical.

Using the Ookla Speed Testing Application on a Dell Desktop Computer to test their fixed broadband service from Frontier Communications, my office received the following speed results in Shepherdstown:

- 5.01mbps down / 0.42mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Shepherdstown depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

JOE MANCHIN III
WEST VIRGINIA

SUITE 306
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October 23, 2019

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I have received correspondence from a constituent in Harrisville, West Virginia which sits along the North Fork Hughes River and is just a short drive from Parkersburg. This location makes Harrisville a home to many of the people that contribute to the economic and social wellbeing of our state. Unfortunately, I have been alerted that residents of Harrisville have had difficulty accessing information for work and school due to their unreliable internet service.

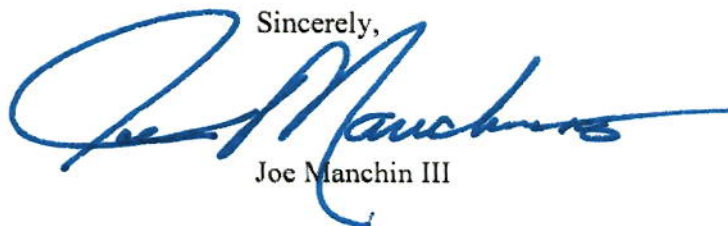
West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Speed Testing Application on an iPhone 7 to test their fixed broadband service from Armstrong, my office received the following speed results in Harrisville:

- 2.40mbps down / 0.45mbps up
- 1.67 mbps down/ 0.65mbps up
- 3.46 mbps down/ 0.19 mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Harrisville depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III

JOE MANCHIN III
WEST VIRGINIA

SUITE 306
HART BUILDING
WASHINGTON, DC 20510
(202) 224-3954

United States Senate

WASHINGTON, DC 20510-4804
October 23, 2019

COMMITTEES
APPROPRIATIONS
ARMED SERVICES
ENERGY AND NATURAL RESOURCES
VETERANS' AFFAIRS

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

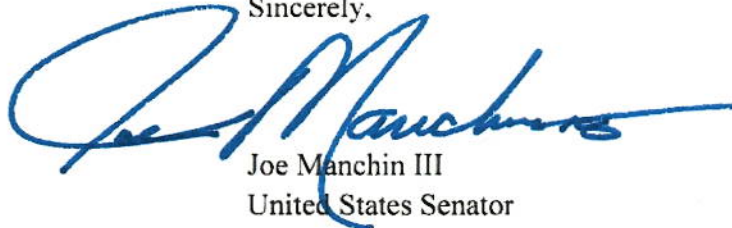
I have received correspondence from a constituent in Beckley, West Virginia which is a short drive to the New River Gorge. The Gorge, a popular spot for fishing, hiking, rafting and camping, had an estimated 1.3 million visitors cycle through over the course of 2018, including over 100,000 people during the New River Gorge's Annual Bridge Day. While some of these visitors may appreciate the chance to unplug, that does not necessarily mean they want to be completely disconnected. For West Virginia to continue to develop its tourism industry in places like Beckley, broadband access is critical.

Using the Ookla Speed Testing Application on an iPhone 8 to test their fixed broadband service from Suddenlink, my office received the following speed results in Beckley:

- 19mbps down / 7.89mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Beckley depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

JOE MANCHIN III
WEST VIRGINIA

SUITE 306
HART BUILDING
WASHINGTON, DC 20510
(202) 224-3954

United States Senate

WASHINGTON, DC 20510-4804

October 24, 2019

COMMITTEES
APPROPRIATIONS
ARMED SERVICES
ENERGY AND NATURAL RESOURCES
VETERANS' AFFAIRS

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Morgantown, West Virginia which is home to West Virginia University and countless business hubs and innovation centers centered in our beautiful state. Morgantown is truly a home to many of the people that contribute to the economic and social wellbeing of our state. Unfortunately, I have been alerted that residents of Morgantown have had difficulty accessing information for work and school due to their unreliable internet service.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Speed Testing Application on an Apple iPad to test their fixed broadband service from Frontier Communications, my office received the following speed results in Morgantown:

- 1.01mbps down / 0.33mbps up

These numbers are well below your agency's definition of broadband and the advertised speed they were given by their provider. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Morgantown depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator
(Enclosure)

November 5, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Philippi, West Virginia which is located in Barbour County. Barbour County is filled with history and beauty, especially in small towns like Belington and Philippi. Alderson Broaddus University and Broaddus Hospital are not only the largest employers in the community, but also the site of one of the oldest and most established Physician Assistant programs in the world. Furthermore, Philippi and Barbour County was the site of the first land battle of the American Civil War.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla speed test Applications on an iPad to test their fixed broadband service from Frontier, my office received the following speed results in Philippi:

- 2.59mbps down/ 0.66mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Philippi depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 5, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Dryfork, West Virginia which is located in Randolph County. Located in the East-Central part of the state, Randolph County is home to scenic rivers and soaring mountain tops; its Allegheny Mountains form some of the most rugged and high ridges in West Virginia. There are many cave systems in the area, attracting numerous adventurers to the state. The Dolly Sods recreational area has a storied history back to World War I and is one of many high elevation grassy balds.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Application on a personal computer to test their fixed broadband service from Frontier, my office received the following speed results in Dryfork:

- 1.7mbps down/ 0.35mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Dryfork depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 5, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Genoa, West Virginia which is located in Wayne County. Wayne County plays an important role in the future of our state. Not only is it home to the Huntington Tri-State Airport, which serves approximately 100,000 passengers annually, but it also serves as an intersection point for CSX railroad lines as well as a port for river transportation. Furthermore, Wayne County borders Cabell County, which is home to Marshall University, the state's second largest public university.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Frontier speed testing application on a personal computer to test their fixed broadband service from Frontier, my office received the following speed results in Genoa:

- 3.0mbps down/ 0.0mbps up
- 0.32mbps down/ 0.0mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Genoa depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 5, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Washington, West Virginia which is located in Wood County. Sitting along the Ohio border, Wood County has several important features. At the center of Wood County sits Parkersburg, its county seat as well as the third largest town in West Virginia. The Bureau of Fiscal Service headquarters is located in the county while tourist attractions like Blennerhassett Island remind us of the natural and historic beauty present in the state and specifically, in Wood County.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using a speed testing application on a personal computer to test their fixed broadband service from Frontier, my office received the following speed results in Washington:

- 1.8mbps down/ 0.0mbps up
- 2.0mbps down/ 0.0mbps up
- 1.8mbps down/ 0.0mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Washington depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 5, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Volga, West Virginia which is located in Barbour County. Barbour County is filled with history and beauty, especially in small towns like Belington and Philippi. Alderson Broaddus University and Broaddus Hospital are not only the largest employers in the community, but also the site of one of the oldest and most established Physician Assistant programs in the world. Furthermore, Philippi and Barbour County was the site of the first land battle of the American Civil War.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the FCC Application on a personal computer to test their fixed broadband service from Frontier, my office received the following speed results in Volga:

- 4.0mbps down/ 0.60mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Volga depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 5, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Philippi, West Virginia which is located in Barbour County. Barbour County is filled with history and beauty, especially in small towns like Belington and Philippi. Alderson Broaddus University and Broaddus Hospital are not only the largest employers in the community, but also the site of one of the oldest and most established Physician Assistant programs in the world. Furthermore, Philippi and Barbour County was the site of the first land battle of the American Civil War.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Application on a Desktop PC to test their fixed broadband service from Frontier, my office received the following speed results in Philippi:

- 0.61mbps down/ 0.05mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Philippi depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 5, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Philippi, West Virginia which is located in Barbour County. Barbour County is filled with history and beauty, especially in small towns like Belington and Philippi. Alderson Broaddus University and Broaddus Hospital are not only the largest employers in the community, but also the site of one of the oldest and most established Physician Assistant programs in the world. Furthermore, Philippi and Barbour County was the site of the first land battle of the American Civil War.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla and Google speed test Applications on a Desktop PC to test their fixed broadband service from Frontier, my office received the following speed results in Philippi:

- 2.13mbps down/ 0.42mbps up
- 2.23mbps down / 0.23mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Philippi depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 5, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in West Union, West Virginia which is located in Doddridge County, and is home to beautiful farms and industrial lands alike. Along with farmland and the timber industry, natural gas reserves and oil wells have been the primary economic drivers since their discovery over 120 years ago. But beyond its economic importance, the county's history looms large with the presence of numerous buildings on the National Historic Registry and locations that were stops along the Underground Railroad.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the FCC speed test Applications on a personal computer to test their fixed broadband service from Frontier, my office received the following speed results in West Union:

- 5.14mbps down/ 4.26mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like West Union depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 5, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Salem, West Virginia which is located in Harrison County, and is home to bustling towns like Clarksburg and Bridgeport and beautiful communities like Salem. Harrison County is also vital to travel in our state as it contains a major portion of I-79, an important interstate for business and college traffic, and travel to facilities like Clarksburg's Veterans Affairs Medical Center.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Application on a personal computer to test their fixed broadband service from Frontier, my office received the following speed results in Salem:

- 4.83mbps down/ 1.1mbps up
- 5.27mbps down/ 1.22mbps up
- 0.51mbps down/ 1.84mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Salem depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 5, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Philippi, West Virginia which is located in Barbour County. Barbour County is filled with history and beauty, especially in small towns like Belington and Philippi. Alderson Broaddus University and Broaddus Hospital are not only the largest employers in the community, but also the site of one of the oldest and most established Physician Assistant programs in the world. Furthermore, Philippi and Barbour County was the site of the first land battle of the American Civil War.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Application on a personal computer to test their fixed broadband service from Frontier, my office received the following speed results in Philippi:

- 1.53mbps down/ 0.37mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Philippi depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 5, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Philippi, West Virginia which is located in Barbour County. Barbour County is filled with history and beauty, especially in small towns like Belington and Philippi. Alderson Broaddus University and Broaddus Hospital are not only the largest employers in the community, but also the site of one of the oldest and most established Physician Assistant programs in the world. Furthermore, Philippi and Barbour County was the site of the first land battle of the American Civil War.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Application on an iPhone to test their fixed broadband service from Frontier, my office received the following speed results in Philippi:

- 0.96mbps down/ 0.17mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Philippi depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 5, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Elkins, West Virginia which is located in Randolph County. Located in the East-Central part of the state, Randolph County is home to scenic rivers and soaring mountain tops; its Allegheny Mountains form some of the most rugged and high ridges in West Virginia. There are many cave systems in the area, attracting numerous adventurers to the state. The Dolly Sods recreational area has a storied history back to World War I and is one of many high elevation grassy balds.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using a speed testing application on a personal computer to test their fixed broadband service, my office received the following speed results in Elkins:

- 0.0599mbps down/ 0.00368mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Elkins depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 5, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Salem, West Virginia which is located in Harrison County, and is home to bustling towns like Clarksburg and Bridgeport and beautiful communities like Salem. Harrison County is also vital to travel in our state as it contains a major portion of I-79, an important interstate for business and college traffic, and travel to facilities like Clarksburg's Veterans Affairs Medical Center.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Application on an iPhone to test their mobile broadband service from AT&T, my office received the following speed results in Salem:

- 3.94mbps down/ 0mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Salem depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 5, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Kingwood, West Virginia which is located in Preston County in the North-Central part of the state. Within its borders resides the Monongahela National Forest, home to Spruce Knob-Seneca Rocks National Recreation Area which boasts some of the best rock climbing on the East Coast. The annual Buckwheat Festival, held in Preston County, celebrates over 75 years of local agriculture and artisan bakeries around the county.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using a speed testing application on an iPhone 10 to test their mobile broadband service from AT&T, my office received the following speed results in Kingwood:

- 4.49mbps down/ 0.84mbps up
- 5.29mbps down/ 0.83mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Kingwood depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Roanoke, West Virginia which is located in Lewis County. Centrally located in our state and a short drive to Clarksburg and Fairmont, Lewis County serves as a residential hub for many of our state's hard-working citizens. Furthermore, Lewis County is a recreational destination as the home of Stonewall Jackson Lake State Park. The park's centerpiece, Stonewall Jackson Lake, is a flood control project of the United States Army Corps of Engineers.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla service on a computer to test their fixed broadband service from Frontier, my office received the following speed results in Roanoke:

- 0.81 Mbps Up/2.29 Mbps Down

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Roanoke depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Terra Alta, West Virginia which is located in Preston County in the North-Central part of the state. Within its borders resides the Monongahela National Forest, home to Spruce Knob-Seneca Rocks National Recreation Area which boasts some of the best rock climbing on the East Coast. The annual Buckwheat Festival, held in Preston County, celebrates over 75 years of local agriculture and artisan bakeries around the county.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the FCC speed test Application on an Apple iPad to test their fixed broadband service from Frontier, my office received the following speed results in Terra Alta:

- 5.61mbps down/ 0.662mbps up
- 5.51mbps down/ 0.669mbps up
- 5.45mbps down/ 0.651mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Terra Alta depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Jane Lew, West Virginia which is located in Lewis County. Centrally located in our state and a short drive to Clarksburg and Fairmont, Lewis County serves as a residential hub for many of our state's hard-working citizens. Furthermore, Lewis County is a recreational destination as the home of Stonewall Jackson Lake State Park. The park's centerpiece, Stonewall Jackson Lake, is a flood control project of the United States Army Corps of Engineers.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Application on a desktop PC to test their fixed broadband service from Frontier, my office received the following speed results in Jane Lew:

- 2.2 Mbps Up/ 0.36 Mbps Down

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Jane Lew depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Clarksburg, West Virginia which is located in Harrison County, and is home to bustling towns like Clarksburg and Bridgeport and beautiful communities like Salem. Harrison County is also vital to travel in our state as it contains a major portion of I-79, an important interstate for business and college traffic, and travel to facilities like Clarksburg's Veterans Affairs Medical Center.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using a speed testing application on an Apple iPad to test their fixed broadband service from Frontier, my office received the following speed results in Clarksburg:

- 12.09mbps down/ 0.9mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Clarksburg depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Clarksburg, West Virginia which is located in Harrison County, and is home to bustling towns like Clarksburg and Bridgeport and beautiful communities like Salem. Harrison County is also vital to travel in our state as it contains a major portion of I-79, an important interstate for business and college traffic, and travel to facilities like Clarksburg's Veterans Affairs Medical Center.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the FCC speed testing application on a desktop computer to test their fixed broadband service from Frontier, my office received the following speed results in Clarksburg:

- 4.26mbps down/ 0.638mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Clarksburg depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Salem, West Virginia which is located in Harrison County, and is home to bustling towns like Clarksburg and Bridgeport and beautiful communities like Salem. Harrison County is also vital to travel in our state as it contains a major portion of I-79, an important interstate for business and college traffic, and travel to facilities like Clarksburg's Veterans Affairs Medical Center.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla speed testing application on an Apple iPad Pro to test their fixed broadband service from Frontier, my office received the following speed results in Salem:

- 1.42mbps down/ 0.64mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Salem depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Weston, West Virginia which is located in Lewis County. Centrally located in our state and a short drive to Clarksburg and Fairmont, Lewis County serves as a residential hub for many of our state's hard-working citizens. Furthermore, Lewis County is a recreational destination as the home of Stonewall Jackson Lake State Park. The park's centerpiece, Stonewall Jackson Lake, is a flood control project of the United States Army Corps of Engineers.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla speed testing application on a desktop personal computer to test their fixed broadband service from Frontier, my office received the following speed results in Weston:

- 4.34mbps down/ 0.92mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Weston depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Augusta, West Virginia which is located in Hampshire County. As our state's oldest county, Hampshire County is home to the Potomac Scenic Railroad and Cacapon Mountain. One of the most famous features of Hampshire County is Capon Springs, a medicinal spring where an all-inclusive resort offers golf, fishing, swimming, hiking, and outdoor activities with famous guests including President Franklin Pierce and Daniel Webster.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla speed test Application on a desktop PC to test their fixed broadband service from Frontier, my office received the following speed results in Augusta:

- 0.48mbps down/ 0.0mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Augusta depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Weston, West Virginia which is located in Lewis County. Centrally located in our state and a short drive to Clarksburg and Fairmont, Lewis County serves as a residential hub for many of our state's hard-working citizens. Furthermore, Lewis County is a recreational destination as the home of Stonewall Jackson Lake State Park. The park's centerpiece, Stonewall Jackson Lake, is a flood control project of the United States Army Corps of Engineers.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla speed testing application on a desktop personal computer to test their fixed broadband service from Frontier, my office received the following speed results in Weston:

- 7.76mbps down/ 0.83mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Weston depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Lost Creek, West Virginia which is located in Harrison County, and is home to bustling towns like Clarksburg and Bridgeport and beautiful communities like Salem. Harrison County is also vital to travel in our state as it contains a major portion of I-79, an important interstate for business and college traffic, and travel to facilities like Clarksburg's Veterans Affairs Medical Center.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the FCC speed testing application on a personal computer to test their fixed broadband service from Frontier, my office received the following speed results in Lost Creek:

- 5.85mbps down/ 0.93mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Lost Creek depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Lost Creek, West Virginia which is located in Harrison County, and is home to bustling towns like Clarksburg and Bridgeport and beautiful communities like Salem. Harrison County is also vital to travel in our state as it contains a major portion of I-79, an important interstate for business and college traffic, and travel to facilities like Clarksburg's Veterans Affairs Medical Center.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Frontier speed testing application on a personal computer to test their fixed broadband service from Frontier, my office received the following speed results in Lost Creek:

- 5.9mbps down/ 0.7mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Lost Creek depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Wallace, West Virginia which is located in Harrison County, and is home to bustling towns like Clarksburg and Bridgeport and beautiful communities like Salem. Harrison County is also vital to travel in our state as it contains a major portion of I-79, an important interstate for business and college traffic, and travel to facilities like Clarksburg's Veterans Affairs Medical Center.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla speed testing application on a desktop personal computer to test their fixed broadband service from Frontier, my office received the following speed results in Wallace:

- 3.16mbps down/ 0.50mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Wallace depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Clarksburg, West Virginia which is located in Harrison County, and is home to bustling towns like Clarksburg and Bridgeport and beautiful communities like Salem. Harrison County is also vital to travel in our state as it contains a major portion of I-79, an important interstate for business and college traffic, and travel to facilities like Clarksburg's Veterans Affairs Medical Center.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using a speed testing application on a personal computer to test their fixed broadband service from Frontier, my office received the following speed results in Clarksburg:

- 2.92mbps down/ 0.695mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Clarksburg depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Salem, West Virginia which is located in Harrison County, and is home to bustling towns like Clarksburg and Bridgeport and beautiful communities like Salem. Harrison County is also vital to travel in our state as it contains a major portion of I-79, an important interstate for business and college traffic, and travel to facilities like Clarksburg's Veterans Affairs Medical Center.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using a speed testing application on a desktop PC to test their fixed broadband service from Frontier, my office received the following speed results in Salem:

- 10.97mbps down/ 0.96mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Salem depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Bridgeport, West Virginia which is located in Harrison County, and is home to bustling towns like Clarksburg and Bridgeport and beautiful communities like Salem. Harrison County is also vital to travel in our state as it contains a major portion of I-79, an important interstate for business and college traffic, and travel to facilities like Clarksburg's Veterans Affairs Medical Center.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using a speed testing application on a desktop computer to test their fixed broadband service from Frontier, my office received the following speed results in Bridgeport:

- 3.5mbps down/ 0.63mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Bridgeport depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
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Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Clarksburg, West Virginia which is located in Harrison County, and is home to bustling towns like Clarksburg and Bridgeport and beautiful communities like Salem. Harrison County is also vital to travel in our state as it contains a major portion of I-79, an important interstate for business and college traffic, and travel to facilities like Clarksburg's Veterans Affairs Medical Center.

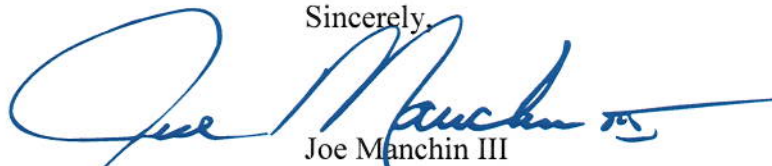
West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Application on an Apple iPhone to test their fixed broadband service from Frontier, my office received the following speed results in Clarksburg:

- 0.3mbps down/ 0.04mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Clarksburg depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

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The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
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Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Slanesville, West Virginia which is located in Hampshire County. As our state's oldest county, Hampshire County is home to the Potomac Scenic Railroad and Cacapon Mountain. One of the most famous features of Hampshire County is Capon Springs, a medicinal spring where an all-inclusive resort offers golf, fishing, swimming, hiking, and outdoor activities with famous guests including President Franklin Pierce and Daniel Webster.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla speed test Application on a desktop PC to test their fixed broadband service from Frontier, my office received the following speed results in Slanesville:

- 1.34mbps down/ 0.97mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Slanesville depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
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Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Charleston, West Virginia which is located in Kanawha County. Kanawha County is home to our state's capital, Charleston. Kanawha County is our most populated county and is home to a number of key features that our state relies on such as the University of Charleston and Yeager Airport. It also is an entertainment destination in our state as the West Virginia Power baseball team, the Clay Center and the Charleston Civic Center all call Kanawha County home.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Frontier speed testing application on a Man-mini desktop personal computer to test their fixed broadband service from Frontier, my office received the following speed results in Charleston:

- 0.47mbps down/ 0.28mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Charleston depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Lumberport, West Virginia which is located in Harrison County, and is home to bustling towns like Clarksburg and Bridgeport and beautiful communities like Salem. Harrison County is also vital to travel in our state as it contains a major portion of I-79, an important interstate for business and college traffic, and travel to facilities like Clarksburg's Veterans Affairs Medical Center.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla speed testing application on a desktop PC to test their fixed broadband service from Frontier, my office received the following speed results in Lumberport:

- 4.44mbps down/ 0.93mbps up
- 8.17mbps down/ 1.13mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Lumberport depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Walkersville, West Virginia which is located in Lewis County. Centrally located in our state and a short drive to Clarksburg and Fairmont, Lewis County serves as a residential hub for many of our state's hard-working citizens. Furthermore, Lewis County is a recreational destination as the home of Stonewall Jackson Lake State Park. The park's centerpiece, Stonewall Jackson Lake, is a flood control project of the United States Army Corps of Engineers.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Broadband WV service on a desktop computer to test their fixed broadband service from Frontier my office received the following speed results in Walkersville:

- 0.2 Mbps Up/0.7 Mbps Down

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Walkersville depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Jane Lew, West Virginia which is located in Lewis County. Centrally located in our state and a short drive to Clarksburg and Fairmont, Lewis County serves as a residential hub for many of our state's hard-working citizens. Furthermore, Lewis County is a recreational destination as the home of Stonewall Jackson Lake State Park. The park's centerpiece, Stonewall Jackson Lake, is a flood control project of the United States Army Corps of Engineers.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Application on a desktop PC to test their fixed broadband service from Frontier, my office received the following speed results in Jane Lew:

- 2.2 Mbps Up/ 0.36 Mbps Down

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Jane Lew depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Salem, West Virginia which is located in Doddridge County, and is home to beautiful farms and industrial lands alike. Along with farmland and the timber industry, natural gas reserves and oil wells have been the primary economic drivers since their discovery over 120 years ago. But beyond its economic importance, the county's history looms large with the presence of numerous buildings on the National Historic Registry and locations that were stops along the Underground Railroad.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the FCC Application on an iPhone 10 to test their fixed broadband service from Frontier, my office received the following speed results in Salem:

- 0.745mbps down/ 0.527mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Salem depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Weston, West Virginia which is located in Lewis County. Centrally located in our state and a short drive to Clarksburg and Fairmont, Lewis County serves as a residential hub for many of our state's hard-working citizens. Furthermore, Lewis County is a recreational destination as the home of Stonewall Jackson Lake State Park. The park's centerpiece, Stonewall Jackson Lake, is a flood control project of the United States Army Corps of Engineers.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the FCC Application on a phone to test their mobile broadband service from Sprint, my office received the following speed results in Weston:

- 0.14 Mbps Up/2.17 Mbps Down

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Weston depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Aurora, West Virginia which is located in Preston County in the North-Central part of the state. Within its borders resides the Monongahela National Forest, home to Spruce Knob-Seneca Rocks National Recreation Area which boasts some of the best rock climbing on the East Coast. The annual Buckwheat Festival, held in Preston County, celebrates over 75 years of local agriculture and artisan bakeries around the county.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the FCC speed test Application on an Apple iPhone to test their fixed broadband service from Frontier and their mobile broadband service from US Cellular, my office received the following speed results in Aurora:

- 3.76mbps down/ 3.7mbps up
- 2.78mbps down/ 1.99mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Aurora depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Pool, West Virginia which is located in Nicholas County and serves as an outdoor haven to West Virginians and visitors alike. Within its borders resides Summersville Lake, the largest lake in West Virginia with over 60 miles of shoreline, and the Monongahela National Forest, with 1.7 million acres of forest, 921,000 of which are federally owned. These natural wonders bring a large number of visitors to Nicholas County each year.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using a speed testing application on a personal computer to test their fixed broadband service, my office received the following speed results in Pool:

- 5.42mbps down/ 0.94mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Pool depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Lost Creek, West Virginia which is located in Harrison County, and is home to bustling towns like Clarksburg and Bridgeport and beautiful communities like Salem. Harrison County is also vital to travel in our state as it contains a major portion of I-79, an important interstate for business and college traffic, and travel to facilities like Clarksburg's Veterans Affairs Medical Center.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using a speed testing application on a personal computer to test their fixed broadband service from Frontier, my office received the following speed results in Lost Creek:

- 10.0mbps down/ 1.61mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Lost Creek depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Augusta, West Virginia which is located in Hampshire County. As our state's oldest county, Hampshire County is home to the Potomac Scenic Railroad and Cacapon Mountain. One of the most famous features of Hampshire County is Capon Springs, a medicinal spring where an all-inclusive resort offers golf, fishing, swimming, hiking, and outdoor activities with famous guests including President Franklin Pierce and Daniel Webster.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the FCC speed test Application on an iPhone XR to test their fixed broadband service from Frontier, my office received the following speed results in Augusta:

- 4.87mbps down/ 0.562mbps up
- 1.45mbps down/ 0.65mbps up
- 5.84mbps down/ 0.772mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Augusta depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Capon Springs, West Virginia which is located in Hampshire County. As our state's oldest county, Hampshire County is home to the Potomac Scenic Railroad and Cacapon Mountain. One of the most famous features of Hampshire County is Capon Springs, a medicinal spring where an all-inclusive resort offers golf, fishing, swimming, hiking, and outdoor activities with famous guests including President Franklin Pierce and Daniel Webster.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla speed test Application on an iPhone 8 to test their fixed broadband service from Frontier, my office received the following speed results in Capon Springs:

- 0.02mbps down/ 0.09mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Capon Springs depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Shinnston, West Virginia which is located in Harrison County, and is home to bustling towns like Clarksburg and Bridgeport and beautiful communities like Salem. Harrison County is also vital to travel in our state as it contains a major portion of I-79, an important interstate for business and college traffic, and travel to facilities like Clarksburg's Veterans Affairs Medical Center.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the FCC speed testing application on an Apple iPhone to test their mobile broadband service from US Cellular, my office received the following speed results in Shinnston:

- 1.93mbps down/ 0.36mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Shinnston depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Salem, West Virginia which is located in Harrison County, and is home to bustling towns like Clarksburg and Bridgeport and beautiful communities like Salem. Harrison County is also vital to travel in our state as it contains a major portion of I-79, an important interstate for business and college traffic, and travel to facilities like Clarksburg's Veterans Affairs Medical Center.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Application on an Apple Air device to test their fixed broadband service from Shentel, my office received the following speed results in Salem:

- 1.79mbps down/ 1.0mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Salem depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Walton, West Virginia which is located in Roane County. In 1856, Virginia General Assembly created the county and named it after the jurist Spencer Roane. Centrally located, the county is within 250 miles of eight metropolitan areas and provides companies with unique opportunities to access major markets. The Artists' Colony also serves as a haven for local artists to display, sell, and collaborate on art projects throughout the state.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the FCC speed test Application on an Apple iPhone to test their fixed broadband service from Frontier, my office received the following speed results in Walton:

- 0.441mbps down/ 0.315mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Walton depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Danese, West Virginia which is located in Fayette County, and is home to some of the world's best whitewater rafting on the New River, one of the oldest rivers in the world. Year after year, millions of people visit the New River Gorge for rafting as well as fishing, hiking and camping. Fayette County is also home to Bridge Day, where over 100,000 people can walk across the New River Gorge Bridge and watch BASE jumpers jump 876 feet down to the bottom of the Gorge.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the FCC Application on a Samsung phone to test their mobile broadband service, my office received the following speed results in Danese:

- 5.7mbps down/ 0.55mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Danese depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Walkersville, West Virginia which is located in Lewis County. Centrally located in our state and a short drive to Clarksburg and Fairmont, Lewis County serves as a residential hub for many of our state's hard-working citizens. Furthermore, Lewis County is a recreational destination as the home of Stonewall Jackson Lake State Park. The park's centerpiece, Stonewall Jackson Lake, is a flood control project of the United States Army Corps of Engineers.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla service on a laptop to test their fixed broadband service from Exede, my office received the following speed results in Walkersville:

- 3.04 Mbps Up/10.07 Mbps Down

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Walkersville depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Lost Creek, West Virginia which is located in Harrison County, and is home to bustling towns like Clarksburg and Bridgeport and beautiful communities like Salem. Harrison County is also vital to travel in our state as it contains a major portion of I-79, an important interstate for business and college traffic, and travel to facilities like Clarksburg's Veterans Affairs Medical Center.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using a speed testing application on an Apple iPhone 11 to test their mobile broadband service from US Cellular, my office received the following speed results in Lost Creek:

- 3.23mbps down/ 1.54mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Lost Creek depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Weston, West Virginia which is located in Lewis County. Centrally located in our state and a short drive to Clarksburg and Fairmont, Lewis County serves as a residential hub for many of our state's hard-working citizens. Furthermore, Lewis County is a recreational destination as the home of Stonewall Jackson Lake State Park. The park's centerpiece, Stonewall Jackson Lake, is a flood control project of the United States Army Corps of Engineers.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the FCC Application on an iPhone to test their mobile broadband service from my AT&T, my office received the following speed results in Weston:

- 0.742 Mbps Up/11.3Mbps Down

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Weston depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Weston, West Virginia which is located in Lewis County. Centrally located in our state and a short drive to Clarksburg and Fairmont, Lewis County serves as a residential hub for many of our state's hard-working citizens. Furthermore, Lewis County is a recreational destination as the home of Stonewall Jackson Lake State Park. The park's centerpiece, Stonewall Jackson Lake, is a flood control project of the United States Army Corps of Engineers.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the FCC Application on an iPhone 7+ to test their mobile broadband service Sprint, my office received the following speed results in Weston:

- 0.102 Mbps Up/0.126 Mbps Down

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Weston depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Lost Creek, West Virginia which is located in Hampshire County. As our state's oldest county, Hampshire County is home to the Potomac Scenic Railroad and Cacapon Mountain. One of the most famous features of Hampshire County is Capon Springs, a medicinal spring where an all-inclusive resort offers golf, fishing, swimming, hiking, and outdoor activities with famous guests including President Franklin Pierce and Daniel Webster.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla speed test Application on an iPhone XR to test their mobile broadband service from US Cellular and fixed broadband service from Suddenlink, my office received the following speed results in Lost Creek:

- 1.16mbps down/ 0.19mbps up
- 10.4mbps down/ 5.69mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Lost Creek depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 6, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Pool, West Virginia which is located in Nicholas County and serves as an outdoor haven to West Virginians and visitors alike. Within its borders resides Summersville Lake, the largest lake in West Virginia with over 60 miles of shoreline, and the Monongahela National Forest, with 1.7 million acres of forest, 921,000 of which are federally owned. These natural wonders bring a large number of visitors to Nicholas County each year.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using a speed testing application on a personal computer to test their fixed broadband service, my office received the following speed results in Pool:

- 5.42mbps down/ 0.94mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Pool depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 7, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Masontown, West Virginia which is located in Preston County in the North-Central part of the state. Within its borders resides the Monongahela National Forest, home to Spruce Knob-Seneca Rocks National Recreation Area which boasts some of the best rock climbing on the East Coast. The annual Buckwheat Festival, held in Preston County, celebrates over 75 years of local agriculture and artisan bakeries around the county.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla speed testing application on an iPhone 8 to test their fixed broadband service from Frontier, my office received the following speed results in Masontown:

- 0.12mbps down/ 0.0mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Masontown depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 7, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Beverly, West Virginia which is located in Preston County in the North-Central part of the state. Within its borders resides the Monongahela National Forest, home to Spruce Knob-Seneca Rocks National Recreation Area which boasts some of the best rock climbing on the East Coast. The annual Buckwheat Festival, held in Preston County, celebrates over 75 years of local agriculture and artisan bakeries around the county.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla speed testing application on an Apple iPad to test their fixed broadband service from Frontier, my office received the following speed results in Beverly:

- 2.56mbps down/ 0.37mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Beverly depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 7, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from constituents in Berea, West Virginia which is located in Ritchie County. Founded in 1843 and named after a prominent American publisher of the Richmond Enquirer, Thomas Ritchie, Ritchie County is home to many outdoor attractions that draw people to the area, including North Bend State Park and Lake, and the North Bend Trail which makes up part of the 5,500 mile American Discovery Trail that follows in the steps of Lewis and Clark. Within the county is also State Route 47, a designated part of the National Scenic Byway.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla speed testing application on a personal computer to test their fixed broadband service from Zoom Internet, my office received the following speed results in Berea:

- 1.07mbps down/ 0.07mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Berea depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 7, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from constituents in Canaan Valley, West Virginia which is located in Tucker County. Located in Northeastern West Virginia on the Allegheny Plateau, Tucker County is part of the Monongahela National Forest. Its main economic drivers are coal and limestone quarries, livestock and dairy farms, and lumber production from the National Forest. There are also two state parks in the area, Blackwater Falls and Canaan Valley. The splendor of the outdoors leaves visitors breathless and local residents filled with state pride, while the fresh air and awe inspiring sites draw people from across the country to Tucker County.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla speed testing application on a personal computer to test their fixed broadband service from WVNET, my office received the following speed results in Canaan Valley:

- 2.74mbps down/ 0.59mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Canaan Valley depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 7, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from constituents in Parsons, West Virginia which is located in Tucker County. Located in Northeastern West Virginia on the Allegheny Plateau, Tucker County is part of the Monongahela National Forest. Its main economic drivers are coal and limestone quarries, livestock and dairy farms, and lumber production from the National Forest. There are also two state parks in the area, Blackwater Falls and Canaan Valley. The splendor of the outdoors leaves visitors breathless and local residents filled with state pride, while the fresh air and awe inspiring sites draw people from across the country to Tucker County.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla speed testing application on a personal computer to test their fixed broadband service from Frontier, my office received the following speed results in Parsons:

- 0.18mbps down/ 0.08mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Parsons depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 7, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Morgantown, West Virginia which is located in Monongalia County. "Mon" County is home to West Virginia University (WVU), our state's largest university and R1 research institution. Monongalia County also has a growing number of business hubs and innovation centers driving entrepreneurship in our state. Furthermore, Monongalia County sits approximately an hour away from Pittsburgh, a city that is reinventing itself and becoming a technological and scientific innovator.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Application on an iPad to test their fixed broadband service from Frontier, my office received the following speed results in Morgantown:

- 0.33 Mbps Up/ 1.01 Mbps Down

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Morgantown depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 7, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Creston, West Virginia which is located in Wirt County. Situated in Western West Virginia and split almost perfectly down the center by the Little Kanawha River, the residents of Wirt County are hardworking individuals that contribute to the economic and social well-being of our great state. Spending time in Wirt County would give any non-West Virginia an accurate representation of the people and landscape of West Virginia.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla speed testing application on a personal computer to test their fixed broadband service from Frontier, my office received the following speed results in Creston:

- 22.64mbps down/ 1.7mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Creston depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 7, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Fairmont, West Virginia which is located in Marion County. Best known for the city of Fairmont, Marion County is and has always been a home for many of us. I, myself, am proud to say that I was born and raised in beautiful Farmington, which is nestled in Marion County. Marion County is also home to Fairmont State University that helps educate and shape the future leaders of our state and nation.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Service on a computer to test their fixed broadband service from Frontier, my office received the following speed results in Fairmont:

- 1.77 Mbps Up/11.81 Mbps Down

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Fairmont depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 7, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Pentress, West Virginia which is located in Monongalia County. "Mon" County is home to West Virginia University (WVU), our state's largest university and R1 research institution. Monongalia County also has a growing number of business hubs and innovation centers driving entrepreneurship in our state. Furthermore, Monongalia County sits approximately an hour away from Pittsburgh, a city that is reinventing itself and becoming a technological and scientific innovator.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the FCC Application on an iPhone X to test their mobile broadband service from Sprint, my office received the following speed results in Pentress:

- 2.02 Mbps Up/1.84 Mbps Down

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Pentress depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 7, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Clarksburg, West Virginia which is located in Harrison County, and is home to bustling towns like Clarksburg and Bridgeport and beautiful communities like Salem. Harrison County is also vital to travel in our state as it contains a major portion of I-79, an important interstate for business and college traffic, and travel to facilities like Clarksburg's Veterans Affairs Medical Center.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla speed testing application on a personal computer to test their fixed broadband service from Frontier, my office received the following speed results in Clarksburg:

- 11.23mbps down/ 0.79mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Clarksburg depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 7, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Core, West Virginia which is located in Monongalia County. "Mon" County is home to West Virginia University (WVU), our state's largest university and R1 research institution. Monongalia County also has a growing number of business hubs and innovation centers driving entrepreneurship in our state. Furthermore, Monongalia County sits approximately an hour away from Pittsburgh, a city that is reinventing itself and becoming a technological and scientific innovator.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla service on a Desktop PC to test their fixed broadband service from Frontier, my office received the following speed results in Core:

- 0.63 Mbps Up/2.57 Mbps Down

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Core depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 7, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Bruceton Mills, West Virginia which is located in Preston County in the North-Central part of the state. Within its borders resides the Monongahela National Forest, home to Spruce Knob-Seneca Rocks National Recreation Area which boasts some of the best rock climbing on the East Coast. The annual Buckwheat Festival, held in Preston County, celebrates over 75 years of local agriculture and artisan bakeries around the county.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Google speed testing application on a Samsung Galaxy to test their fixed broadband service from Frontier, my office received the following speed results in Bruceton Mills:

- 5.66mbps down/ 0.74mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Bruceton Mills depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 7, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Mannington, West Virginia which is located in Marion County. Best known for the city of Fairmont, Marion County is and has always been a home for many of us. I, myself, am proud to say that I was born and raised in beautiful Farmington, which is nestled in Marion County. Marion County is also home to Fairmont State University that helps educate and shape the future leaders of our state and nation.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Application on a phone to test their fixed broadband service from Frontier, my office received the following speed results in Mannington:

- 2.15 Mbps Up/ 5.98 Mbps Down

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Mannington depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 7, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Morgantown, West Virginia which is located in Monongalia County. "Mon" County is home to West Virginia University (WVU), our state's largest university and R1 research institution. Monongalia County also has a growing number of business hubs and innovation centers driving entrepreneurship in our state. Furthermore, Monongalia County sits approximately an hour away from Pittsburgh, a city that is reinventing itself and becoming a technological and scientific innovator.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the FCC speed testing application on an iPhone 8+ to test their fixed broadband service from Frontier, my office received the following speed results in Morgantown:

- 4.40mbps down/ 0.45mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Morgantown depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 7, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Terra Alta, West Virginia which is located in Preston County in the North-Central part of the state. Within its borders resides the Monongahela National Forest, home to Spruce Knob-Seneca Rocks National Recreation Area which boasts some of the best rock climbing on the East Coast. The annual Buckwheat Festival, held in Preston County, celebrates over 75 years of local agriculture and artisan bakeries around the county.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the FCC speed testing application on a smart phone to test their mobile broadband service from US Cellular, my office received the following speed results in Terra Alta:

- 6.18mbps down/ 0.763mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Terra Alta depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 8, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from constituents in Job, West Virginia which is located in Randolph County. Located in the East-Central part of the state, Randolph County is home to scenic rivers and soaring mountain tops; its Allegheny Mountains form some of the most rugged and high ridges in West Virginia. There are many cave systems in the area, attracting numerous adventurers to the state. The Dolly Sods recreational area has a storied history back to World War I and is one of many high elevation grassy balds.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Google Internet Speedtest Application on an iPhone 6s Plus to test their fixed broadband service from Frontier, my office received the following speed results in Job:

- 0.14mbps down/0.09mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Job depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 8, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Montcalm, West Virginia which is located in Mercer County. Mercer County has the highest mean elevation and offers an abundance of natural beauty and history, and is home to Pipestem Resort State Park. As one of our southernmost counties, towns like Bluefield and Princeton, have helped shape the state and the country through their contribution to our nation's energy security.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Speedtest Application on a personal laptop to test their fixed broadband service from HughesNet, my office received the following speed results in Montcalm:

- 0.71mbps down/ 6.04mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Montcalm depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 8, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Augusta, West Virginia which is located in Hampshire County. As our state's oldest county, Hampshire County is home to the Potomac Scenic Railroad and Cacapon Mountain. One of the most famous features of Hampshire County is Capon Springs, a medicinal spring where an all-inclusive resort offers golf, fishing, swimming, hiking, and outdoor activities with famous guests including President Franklin Pierce and Daniel Webster.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the FCC speed test Application on a Samsung Galaxy S8+ to test their fixed broadband service from Frontier, my office received the following speed results in Augusta:

- 2.1mbps down/ 0.413mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Augusta depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 8, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Pentress, West Virginia which is located in Monongalia County. "Mon" County is home to West Virginia University (WVU), our state's largest university and R1 research institution. Monongalia County also has a growing number of business hubs and innovation centers driving entrepreneurship in our state. Furthermore, Monongalia County sits approximately an hour away from Pittsburgh, a city that is reinventing itself and becoming a technological and scientific innovator.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the FCC speed test Application on an iPhone X to test their mobile broadband service from Sprint, my office received the following speed results in Pentress

- 2.02mpbs down/ 1.84mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Pentress depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 12, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Fairview, West Virginia which is located in Marion County. Best known for the city of Fairmont, Marion County is and has always been a home for many of us. I, myself, am proud to say that I was born and raised in beautiful Farmington, which is nestled in Marion County. Marion County is also home to Fairmont State University that helps educate and shape the future leaders of our state and nation.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using a Speedtest Application on a personal computer to test their fixed broadband service from Frontier, my office received the following speed results in Fairview:

- 1.3mbps down/ 0.23mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Fairview depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 12, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from constituents in Job, West Virginia which is located in Randolph County. Located in the East-Central part of the state, Randolph County is home to scenic rivers and soaring mountain tops; its Allegheny Mountains form some of the most rugged and high ridges in West Virginia. There are many cave systems in the area, attracting numerous adventurers to the state. The Dolly Sods recreational area has a storied history back to World War I and is one of many high elevation grassy balds.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Google Speedtest Application on an iPhone 6 Plus to test their fixed broadband service from Frontier, my office received the following speed results in Job:

- 0.09mbps down/ 0.14mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Job depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 12, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Jane Lew, West Virginia which is located in Lewis County. Centrally located in our state and a short drive to Clarksburg and Fairmont, Lewis County serves as a residential hub for many of our state's hard-working citizens. Furthermore, Lewis County is a recreational destination as the home of Stonewall Jackson Lake State Park. The park's centerpiece, Stonewall Jackson Lake, is a flood control project of the United States Army Corps of Engineers.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using a Speedtest Application on a personal computer to test their mobile broadband service from AT&T, my office received the following speed results in Jane Lew:

- 5.9mbps down/ 0.00mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Jane Lew depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 12, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Ripley, West Virginia which is located in Jackson County. Located along the West Virginia and Ohio border, Jackson County serves as a residential hub for many of our state's hard-working citizens, including our state's farmers, as Jackson County is home to one of the highest number of farms in West Virginia. Furthermore, Jackson County is a central hub for transportation in the state due to its location to the Ohio River and its barge traffic as well as the presence of Interstate 77 and the CSX Railroad.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Speedtest Application on a personal computer to test their fixed broadband service from Frontier, my office received the following speed results in Ripley:

- 0.67mbps down/ 0.41mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Ripley depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 12, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Yellow Spring, West Virginia which is located in Harrison County, and is home to bustling towns like Clarksburg and Bridgeport and beautiful communities like Salem. Harrison County is also vital to travel in our state as it contains a major portion of I-79, an important interstate for business and college traffic, and travel to facilities like Clarksburg's Veterans Affairs Medical Center.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the Ookla Speedtest Application on an iPhone 8 to test their fixed broadband service from Frontier, my office received the following speed results in Yellow Spring:

- 0.32mbps down/ 0.12mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Yellow Spring depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)

November 12, 2019

The Honorable Ajit Pai
Chairman
Federal Communications Commission
445 12th Street SW
Washington, DC 20554

Dear Chairman Pai,

While I am encouraged to hear that your agency is planning to implement a formal public feedback mechanism to improve broadband coverage maps, the people of West Virginia need help now. Until a more viable process is established, I will be providing you with real coverage data from people on the ground in West Virginia and a brief description of the challenges they face personally, professionally, and economically as a result of their unreliable broadband service.

I have received correspondence from a constituent in Stonewood, West Virginia which is located in Harrison County, and is home to bustling towns like Clarksburg and Bridgeport and beautiful communities like Salem. Harrison County is also vital to travel in our state as it contains a major portion of I-79, an important interstate for business and college traffic, and travel to facilities like Clarksburg's Veterans Affairs Medical Center.

West Virginia is a wonderful place to live with vibrant, caring communities that value connection. However, the lack of broadband access is having a devastating impact on residents' ability to work, learn, and connect in my state. Ironically, the same things that attract people to live and work in my beautiful state – our tall mountains, lush forests, rolling hills and roaring rapids – make broadband deployment astronomically expensive.

Using the FCC Speedtest Application on an iPhone to test their fixed broadband service from Frontier, my office received the following speed results in Stonewood:

- 5.22mbps down/ 1.35mbps up

These numbers are below your agency's definition of broadband. I hope you will use this data to validate the information West Virginia's broadband providers have submitted to the FCC and ensure that they are eligible for any and all relevant broadband grants and other resources. Places like Stonewood depend on the promise of universal service, and it is our job to make good on that promise.

Sincerely,



Joe Manchin III
United States Senator

(Enclosure)