KANDIYOHI COUNTY AND CITY OF WILLMAR ECONOMIC DEVELOPMENT COMMISSION (EDC) BROADBAND AND ADVANCED TECHNOLOGY COMMITTEE MEETING

MINUTES

June 1, 2020 Via ZOOM Video Conference

Present: Mark Boeschen, Donna Boonstra, Dean Bouta, Bruce DeBlieck, Tim Furr, Jason

Hulstein, Roger Imdieke, Michelle Marotzke, Les Nelson, Rollie Nissen, Glenn

Otteson, Gregg Price, Ramsey Schaffnit and David Sisser

Staff: Connie Schmoll, Business Development Manager

Secretarial: Nancy Birkeland, Legal & Administrative Assistants, Inc. (LAA)

Chairperson Mark Boeschen called the meeting to order at approximately 12:05 p.m.

MINUTES—Jason Hulstein noted a correction in the May 4th Minutes; Willmar schools had three days rather than three weeks to prepare for distance learning.

IT WAS MOVED BY Rollie Nissen, SECONDED BY Dave Sisser, to approve the Minutes of the May 4, 2020 meeting with the correction from three weeks to three days under Internet access for students. MOTION CARRIED.

UNFINISHED BUSINESS

Broadband survey. The committee reviewed the 2020 Broadband Survey responses from 296 individuals as of May 28, 2020 (see attached). Connie Schmoll noted as to the first question, no responses were received from Prinsburg or Raymond. Of note is that a majority of the respondents, 48.62%, have internet connection from a telephone company and 60.69% say their internet connection is not sufficient. Individual comments as to questions 8 and 9 were reviewed. Chair Boeschen noted there weren't too many responses under question 8 as to healthcare. Schmoll stated the survey will be available until mid-June. She will be announcing the survey on the radio. Chair Boeschen suggested focusing on the two communities that have not responded and rural areas of the county. Schmoll will obtain an updated report at the end of the week. This survey will help in this committee's attempts to get broadband funded and quotes can be use in any grant application. Surprises included those who are using cell phone hotspots or have no access at all. The following volunteered to share the survey: Tim Furr with Ridgewater College staff and students; Hulstein with Willmar Public Schools staff; Michelle Marotzke with MACCRAY and CMC schools; and Gregg Price with CarrisHealth administration. Schmoll will check with Ryan Thielen about sharing it with Procore and Joanna Schrupp with the MinnWest Technology Campus. Respondents should be encouraged not to reply a second time.

NEW BUSINESS

Approve new member. Chair Boeschen stated Hulstein would like to join this committee.

IT WAS MOVED by Ramsey Schaffnit, SECONDED BY Dave Sisser, to approve Jason Hulstein as a member of the Kandiyohi County and City of Willmar Economic Development Commission's Broadband and Advanced Technology Committee. MOTION CARRIED.

REPORTS

Schools and broadband. Hulstein stated they are just trying to get through the school year. The video for Willmar's graduates is online and has had 3,000 views. They have been doing a follow up survey with the teachers on using distance learning. Roger Imdieke stated he emailed Bill Adams, Superintendent of New London-Spicer School District, who informed him that 165 families (363 students or 25%) did not have effective/efficient internet at their homes. Hulstein stated the technology director at NL-S supplied families with mobile cell hotspots for about 45 families. Devices that were distributed to families will be returned to the schools.

Minnesota Rural Broadband Coalition. Chair Boeschen reported the Coalition's meeting is tomorrow. Schmoll forwarded the agenda and meeting information to the committee. The email included a link to the American Connection Project regarding rural broadband. Schmoll is unable to attend the meeting, but Nancy Birkeland will attend and take note of important items.

Kandiyohi Power Cooperative. Imdieke reported he and Schmoll spoke with Dale Anderson, chair of Kandiyohi Power Cooperative's board, director Larry Powers, and the new CEO Sonja Bogart, who were very receptive to the idea of possibly having a role in area broadband. Bogart was current on what has been happening with other cooperatives and rural broadband. Schmoll sent Bogart the EDC's 2016 survey and township surveys. Bogart toured Meeker Cooperative Light and Power Association, but would like to tour it again to get more detail. Schmoll encouraged Kandiyohi Power Cooperative to become a member of the Minnesota Rural Broadband Coalition and referred them to the American Connection Project. Schmoll and Aaron Backman will be having a conference call with Bogart as to local economic development matters. Chair Boeschen recommended having a representative from the Cooperative on this committee would be helpful. Imdieke noted an invite was extended to Bogart and she was informed her predecessor had been a member of this committee.

Other. Imdieke recommended this committee stay connected with federal legislators as to federal funding that is becoming available. Schmoll suggested the EDC's survey results could be sent to the federal legislators and Nissen recommended it be shared with the Intergovernmental Relations office. Chair Boeschen stated step 2 should be for the subcommittee to meet and decide how to use the survey results. It was suggested the Legislative Subcommittee could do some of this work. Chair Boeschen will try and work on something now for when the legislature meets in June. Schmoll stated it could be a follow up of the letter she previously sent.

ADJOURNMENT—There being no further business,

IT WAS MOVED, SECONDED AND CARRIED to adjourn the meeting.

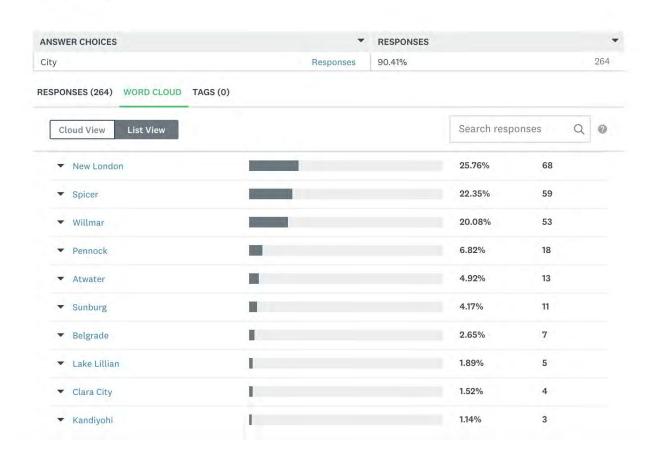
The meeting was adjourned at approximately 12:48 p.m.

NEXT MEETING—The next committee meeting is **12 noon, Monday, July 6, 2020** via ZOOM video conference.



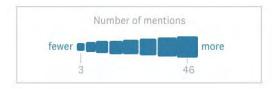
What is the physical location of your home worksite?

Answered: 292 Skipped: 0



Townships:

Norway Lake Holland Harrison Kandiyohi Arctander Lake
Colfax Irving New London Mamre
Lake Andrew City Dovre Township Willmar
Gennessee Burbank Andrew Green Lake

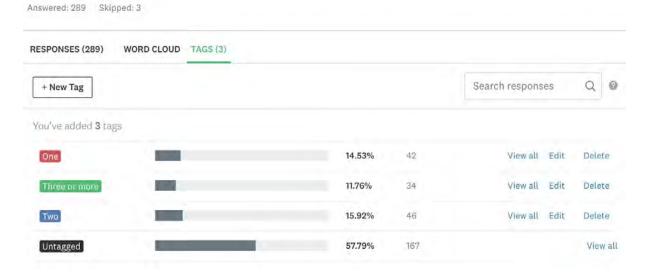




How many members of your household are working from home?

Answered: 291 Skipped: 1 RESPONSES (291) WORD CLOUD TAGS (3) Search respons + New Tag You've added 3 tags One 39.86% 116 View all Three or mare 2.75% View all Two 42.96% View all Untagged 14.43% 42

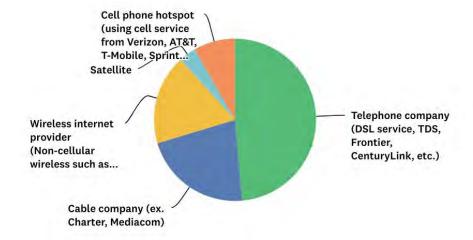
How many students in your home are using the internet to participate in distance learning?





What type of internet connection do you use for working remotely from home?

Answered: 290 Skipped: 2

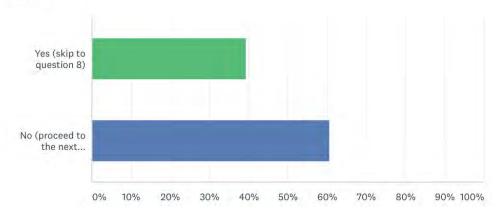


AN	SWER CHOICES	*	RESPON	SES •
*	Telephone company (DSL service, TDS, Frontier, CenturyLink, etc.)		48.62%	141
•	Cable company (ex. Charter, Mediacom)		21.72%	63
*	Wireless internet provider (Non-cellular wireless such as LTD, MVTV)		17.93%	52
*	Satellite		3.45%	10
*	Cell phone hotspot (using cell service from Verizon, AT&T, T-Mobile, Sprint or other to connect to the internet)		8.28%	24
го	TAL			290



Has your internet connection been sufficient for you?

Answered: 290 Skipped: 2

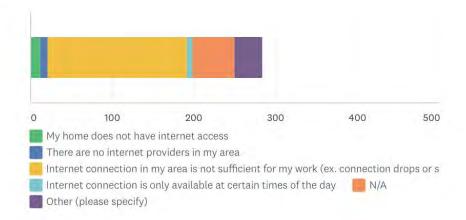


ANSWER CHOICES	▼ RESPONSES	
▼ Yes (skip to question 8)	39.31%	114
▼ No (proceed to the next question)	60.69%	176
TOTAL		290



Do you experience any of the following internet or connectivity issues? Check all that apply.

Answered: 245 Skipped: 47

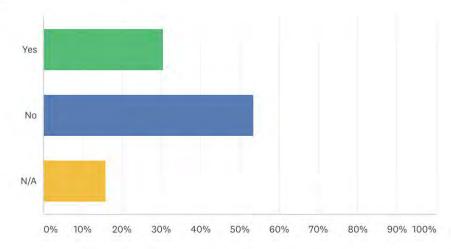


NSWER CHOICES	*	RESPONSES	, ,
My home does not have internet access		4.90%	12
There are no internet providers in my area		3.67%	9
Internet connection in my area is not sufficient for my work (ex. connection drops or slows down)		69.80%	171
Internet connection is only available at certain times of the day		2.86%	7
N/A		20.82%	51
Other (please specify)	Responses	13.88%	34
otal Respondents: 245			



Do you have to use a public site or other hot spot to upload/ download assignments, classwork or communication from work or school?





ANSWER CHOICES	▼ RESPONSES	*
▼ Yes	30.56%	77
▼ No	53.57%	135
▼ N/A	15.87%	40
TOTAL		252

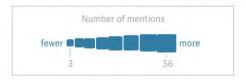
Customize



How has internet been helpful for you or your household during this pandemic?

RESPONSES (253)	WORD CLOUD TAGS (0)			
Cloud View	ist View	Search responses	Q	6

connected family use Zoom necessary business essential
able work remotely children fine stay connected connection
online day allowed us internet access helpful stay
meetings order connect people service remote able
phone keep issues need keeps us school evening



Q8 How has internet been helpful for you or your household during this pandemic?

Answered: 257 Skipped: 39

#	RESPONSES	DATE
1	Yes	5/30/2020 6:27 PM
2	WE USE IT FOR EMAIL AND GOOGLE MOSTLY	5/29/2020 6:46 PM
3	WORK FROM HOME AND DISTANCE LEARNING	5/29/2020 3:34 PM
4	Video conferencing has been very helpful.	5/28/2020 2:18 PM
5	Sometimes	5/27/2020 9:02 PM
6	Zoom. Webx. Homework. College class	5/27/2020 6:42 PM
7	online school, being able to run my business from home instead of being on the location	5/27/2020 3:36 PM
8	I am happy to have internet access; however, broadband internet is desperately needed!	5/27/2020 2:33 PM
9	Getting connected with family, work, school,	5/27/2020 8:31 AM
10	It has given us a ''social' life, kept us connected to family and friends as well as school.	5/27/2020 7:45 AM
11	I get to work from home.	5/27/2020 7:42 AM
12	Allows me to work at home	5/27/2020 7:15 AM
13	Allowed us to continue with school and work at home where otherwise we won't have been.	5/26/2020 1:43 PM
14	There is no provider that can get it to us.	5/26/2020 11:59 AM
15	Allows slow completion of work.	5/26/2020 9:03 AM
16	We get our paper online. My husband is on the board for some non-profits and they have meetings online. I have an exercise class that is online. It is used throughout the day.	5/25/2020 6:54 AM
17	Realize how slow it is. Cannot download larger files	5/24/2020 11:08 AM
18	It has not been helpful. Need reset multiple times a day.	5/23/2020 10:16 PM
19	We couldn't work or have kids e learn without it	5/23/2020 9:24 AM
20	I work from home and my son is home and uses the internet for meetings, etc.	5/22/2020 8:11 PM
21	I can work from home.	5/22/2020 8:19 AM
22	A great deal	5/21/2020 9:34 PM
23	I have been able to work and my child has been able to participate in distance learning.	5/21/2020 8:59 PM
24	It hasn't	5/21/2020 6:54 PM
25	It has been essential for continuing to work from home and do distance learning but also for entertainment and social connection for the family	5/21/2020 3:19 PM
26	It has not due to downloading problems and not enough bandwidth.	5/21/2020 2:55 PM
27	Can work from home	5/21/2020 2:26 PM
28	IT HAS MADE IT SO OUR EMPLOYEE CAN WORK FROM HOME.	5/21/2020 1:22 PM
29	It has been essential. We would not be able to get anything done without it!	5/21/2020 1:07 PM
30	Work, keeping connected with family, keeping up with news, use for entertainment	5/21/2020 12:07 PM
31	If it was reliable and you could get sufficient bandwidth it would be very helpful. As it stands it is frustrating that we are not able to work reliably and forced to use our phones as hotspots to complete work	5/21/2020 11:17 AM
32	Works fine	5/21/2020 11:03 AM
33	It has kept us employed and engaged in school.	5/21/2020 10:33 AM
34	Gathering information.	5/21/2020 10:18 AM
35	Has allowed me to work from home essentially without interruption.	5/21/2020 9:30 AM

El	DC Broadband Survey - Spring 2020	SurveyMonkey
36	I am able to work and the connection stays up	5/21/2020 9:21 AM
37	Work and schooling done from home. Able to stay home and do our work.	5/21/2020 9:21 AM
38	connection to the world	5/21/2020 9:04 AM
39	It's been critical in continuing to be able to do the work necessary to remain employed. If I didn't have a workable internet solution I'd be severely disadvantaged at best, and either unemployed or made to come into a physical office and endanger my health.	5/21/2020 8:56 AM
40	very - I still do some work from home and use zoom for meetings	5/21/2020 8:53 AM
11	kept me workingsomewhat	5/21/2020 8:41 AM
42	Made it possible for us to continue our jobs from home.	5/21/2020 8:28 AM
43	"This pandemic" is not correct. It should read; "How has internet has been helpful during this time of government actions restricting normal activities during this pandemic?". If that is the question then I would say it has been more important due to these government-imposed restrictions.	5/21/2020 8:24 AM
14	Access to information, work	5/21/2020 8:24 AM
45	stay working and distance learning	5/21/2020 8:20 AM
46	Has allowed us to work from home and do virtual visits with family and friends. Extremely helpful!	5/21/2020 7:27 AM
47	Gives us something to do since we are not able to go out anywhere or get together with other family or friends.	5/21/2020 7:08 AM
48	N/A	5/21/2020 7:06 AM
19	N/A	5/21/2020 7:06 AM
50	We work everyday and need internet. We have been frustrated without decent internet	5/21/2020 6:59 AM
51	Allowed for me to work from home and students to distance learn	5/20/2020 9:56 PM
52	No homework here, but for our personal use we need it. Taxes, Bank, farm maps. it has quit or really slow	5/20/2020 9:33 PM
53	News, work, homework, zoom with friends. Movies	5/20/2020 9:09 PM
54	Keeps me up to date on Covid issues and other health related issues	5/20/2020 9:03 PM
55	Allowed both of my college age children to take their classes online as well as allowing us as parents to work from home.	5/20/2020 8:37 PM
56	Yes work office, direct deposit of payroll, pull rail cars online. Important stuff	5/20/2020 7:46 PM
57	We are able to stay at home more.	5/20/2020 6:51 PM
58	I can continue to do my work and not always have to drive in to work. I've order groceries online and picked them up. Some TV viewing is done via limited streaming.	5/20/2020 6:19 PM
59	Connect with friends and family	5/20/2020 5:49 PM
60	Helpful for kids to connect to school. Helpful to remote work. Need better options especially if this is what school looks like in the fall.	5/20/2020 5:47 PM
61	It's vital for me to work from home.	5/20/2020 5:43 PM
62	I am illustrating a children's book and am constantly using my iPad Pro. I am 82 so I lack some skills, yet I am so hoping we can soon get Broadband.	5/20/2020 5:39 PM
63	keeps us in touch with vital services, and communicating with loved ones during social distancing and self isolation	5/20/2020 5:09 PM
64	I have been able to work from home and avoid contact with people	5/20/2020 3:54 PM
65	Communicating with others. Meetings.	5/20/2020 3:40 PM
66	It allows myself to work from home, and my sister to learn remotely. It also provides my mother,	5/20/2020 3:36 PM

67 We had Hughsnet Satalite and that was not sufficient for work. We switched to Frontier fiber at our road and to the house. Now works great! 5/20/2020 3:32 PM 68 I remote access into my work computer. I could not work from home without internet access. When my home service slows down too much, I have to use my phone's hotspot to access my remote desktop. 5/20/2020 3:12 PM 69 by understanding demand is high during this pandemic and traffic goes to network provider is high, it is great. 5/20/2020 3:07 PM 70 I wouldn't have been able to work from home without it. 5/20/2020 3:07 PM 71 Turning in assignments and working from home 5/20/2020 3:07 PM 72 We can't work at home as much as we would like because the upload speed and latency isn't good enough for midiple people. We prioritize the sudent traffic and the adults go to work cover though we have the option of working I have been unable to get service even if I pay for some build out. 5/20/2020 3:01 PM 73 Ifne 5/20/2020 2:59 PM 5/20/2020 2:59 PM 74 Will have both used it for connecting to work 5/20/2020 2:59 PM 75 When the speed is operating at an acceptable level, it allows us to work from home. This is described the case with its service. 5/20/2020 2:59 PM 76 We need it and continue and that have enough service to work from home. 5/20/2020 2:59 PM <tr< th=""><th></th><th>who runs a daycare, video content to entertain the children. However, this comes at the cost of connection speed and stability for both my sister and I, but it is unavoidable.</th><th></th></tr<>		who runs a daycare, video content to entertain the children. However, this comes at the cost of connection speed and stability for both my sister and I, but it is unavoidable.	
When my home service slows down too much. I have to use my phone's hotspot to access my remote desktop. by understanding demand is high during this pandemic and traffic goes to network provider is high, it is great. To I wouldn't have been able to work from home without it. Turning in assignments and working from home. Turning in assignments and working from home. We can't work at home as much as we would like because the upload speed and latency isn't good enough for multiple people. We prioritize the student traffic and the adults go to work even be upload for the prioritize the student traffic and the adults go to work even we have been unable to get service even if I pay for good enough for multiple people. We prioritize the student traffic and the adults go to work even be upload on County Road's needs wired network. Since moving I have been unable to get service even if I pay for good enough for multiple people. We prioritize the student traffic and the adults go to work even in I pay for good enough for multiple people. We prioritize the getter college road on County Road's needs wired network. Since moving I have been unable to get service even if I pay for good enough for multiple people. We prioritize the getter college road on County Road's needs wired network. Since moving I have been unable to get service even if I pay for good enough the service. We have been able to roomecting to work from home. Sciolo2020 2:19 PM We have been able to work remotely. Most use our CenturyLink service while I do most of my good enough the service of the work remotely. Most use our CenturyLink service while I do most of my good enough the service to use it. Lis is a struggle to keep the wiff working. Calling Frontier often and that is very difficult. Sciolo2020 2:09 PM We have been able to work remotely. Most use our CenturyLink service while I do most of my good enough the service of the work from and set up virtual meetings Lis as truggle to keep the wiff working. Calling Frontier often and that is very	67		5/20/2020 3:23 PM
right. it is great. 5/20/2020 3:07 PM 70 I wouldn't have been able to work from home without it. 5/20/2020 3:07 PM 71 Turning in assignments and working from home 5/20/2020 3:07 PM 72 We can't work at home as much as we would like because the upload speed and latency isn't good enough for multiple people. We prioritize the student traffic and the adults go to work even and on County Road 5 needs wired network. Since moving I have been unable to get service even if I pay for some build out. 5/20/2020 3:01 PM 73 fine 5/20/2020 2:59 PM 74 WE have both used it for connecting to work 5/20/2020 2:29 PM 75 When the speed is operating at an acceptable level, it allows us to work from home. This is often not the case with lots service. 5/20/2020 2:19 PM 76 We need it and don't have enough service to work from home. 5/20/2020 2:19 PM 77 Allowed me to have meetings at home, but upload speeds are terrible. 5/20/2020 2:19 PM 78 Needed to continue our work 5/20/2020 2:19 PM 79 We have been able to work remotely. Most use our CenturyLink service while I do most of my work will a VZW hotspot 5/20/2020 2:19 PM 80 My intermet has been a constant frustration because work and school means we have to prioritize who gets to use it. 5/20/2	68	When my home service slows down too much, I have to use my phone's hotspot to access my	5/20/2020 3:12 PM
Turning in assignments and working from home 72 We can't work at home as much as we would like because the upload speed and latency isn't good enough for multiple people. We prioritize the student traffic and the adults go to work even through we have the option of working from home. North of Ridgewater College road on County Road 5 needs wired network. Since moving I have been unable to get service even if I pay for some build out. 73 Ifine 74 WE have both used it for connecting to work 75 When the speed is operating at an acceptable level, it allows us to work from home. This is office nor the case with tids service. 76 We need it and don't have enough service to work from home. 77 Allowed me to have meetings at home, but upload speeds are terrible. 78 Needed to continue our work 79 We have been able to work remotely. Most use our CenturyLink service while I do most of my work via a XZVM hotspot 80 My internet has been a constant frustration because work and school means we have to prioritize who gets to use it. 81 It is a struggle to keep the wiff working. Calling Frontier often and that is very difficult. 82 Jeologo 20 2.02 PM 83 This is a seasonal property. No internet in the area 84 Allowed me to work from and set up virtual meetings 85 Keeps us informed of day to day updates regarding pandemic. 87 Selozo 20 2.01 PM 88 enabled 1 to work from home and one child finishing college online. 89 Allowed me to work from home and one child finishing college online. 89 Selozo 20 2.02 1.47 PM 89 Enabled 1 to work remotely and student to finish school. 80 Figure 20 2.02 1.43 PM 81 It has given us the ability to do our jobs from home. 82 Selozo 20 2.02 1.43 PM 83 PM 84 Allowed me to work remotely and student to finish school. 85 Jeologo 20 1.45 PM 86 Able to work from home and one child finishing college online. 87 Jeologo 20 1.45 PM 87 Selozo 20 1.45 PM 88 Linkspire access to info 98 readily more access to info 98 Vork has continued as usual (our office is in our home) and our children	69		5/20/2020 3:09 PM
We can't work at home as much as we would like because the upload speed and latency isn't good enough for multiple people. We prioritize the student traffic and the adults go to work even though we have the option of working from home. North of Ridgewater College road on County Road 5 needs wired network. Since moving I have been unable to get service even if I pay for some build out. 73 fine	70	I wouldn't have been able to work from home without it.	5/20/2020 3:07 PM
about on outpin for multiple people. We prioritize the student traffic and the adults go to work even through we have the option of working from home. North of Ridgewater College road on County Scal 5 needs wired network. Since moving I have been unable to get service even if I pay for some build out. 73 fine 5/20/2020 2:59 PM 74 WE have both used it for connecting to work 5/20/2020 2:54 PM 75 When the speed is operating at an acceptable level, it allows us to work from home. This is often not the case with tids service. 5/20/2020 2:19 PM 76 We need it and don't have enough service to work from home. 5/20/2020 2:19 PM 77 Allowed me to have meetings at home, but upload speeds are terrible. 5/20/2020 2:19 PM 78 Needed to continue our work 5/20/2020 2:09 PM 79 We have been able to work remotely. Most use our CenturyLink service while I do most of my work via a VZW hotspot 5/20/2020 2:09 PM 80 My internet has been a constant frustration because work and school means we have to prioritize who gets to use it. 5/20/2020 2:09 PM 81 It is a struggle to keep the wifi working. Calling Frontier often and that is very difficult. 5/20/2020 2:09 PM 82 I can work from home, but I was already doing that 5/20/2020 1:57 PM 83 This is a seasonal propert	71	Turning in assignments and working from home	5/20/2020 3:07 PM
We have both used it for connecting to work 5/20/2020 2:54 PM When the speed is operating at an acceptable level, it allows us to work from home. This is often not the case with Ids service. When need it and don't have enough service to work from home. 5/20/2020 2:19 PM Allowed me to have meetings at home, but upload speeds are terrible. 5/20/2020 2:13 PM Needed to continue our work Needed to continue our work We have been able to work remotely. Most use our CenturyLink service while I do most of my work via a VZW hotspot My internet has been a constant frustration because work and school means we have to prioritize who gets to use it. It is a struggle to keep the wiff working. Calling Frontier often and that is very difficult. 1 can work from home, but I was already doing that Allowed me to work from and set up virtual meetings Keeps us informed of day to day updates regarding pandemic. Able to work from home and one child finishing college online. Keeps us informed of work, education, as well as entertainment. It's been working flawlessly. It's been used for work, education, as well as entertainment. It's been working flawlessly. Fizo/2020 1:38 PM Pes enabled 1 to work remotely and student to finish school. 1 thas given us the ability to do our jobs from home. 1 thas given us the ability to do our jobs from home. 1 thas given us the ability to do our jobs from home. 1 thas given us the ability to do our jobs from home. 1 thas given us the ability to do our jobs from home. 1 thas given us the ability to do our jobs from home. 1 thas given us the ability to do our jobs from home. 1 thas given us the ability to do our jobs from home. 2 thas on it at the same time trying to get work done. It is helpful late at night or early in the morning when no one else is on it.	72	good enough for multiple people. We prioritize the student traffic and the adults go to work even though we have the option of working from home. North of Ridgewater College road on County Road 5 needs wired network. Since moving I have been unable to get service even if I pay for	5/20/2020 3:01 PM
When the speed is operating at an acceptable level, it allows us to work from home. This is often not the case with tds service. We need it and don't have enough service to work from home. 5/20/2020 2:19 PM Allowed me to have meetings at home, but upload speeds are terrible. 5/20/2020 2:13 PM Needed to continue our work We have been able to work remotely. Most use our CenturyLink service while I do most of my work via a VZW hotspot Why internet has been a constant frustration because work and school means we have to prioritize who gets to use it. It is a struggle to keep the wifi working. Calling Frontier often and that is very difficult. 1 It is a struggle to keep the wifi working. Calling Frontier often and that is very difficult. 1 It is a struggle to keep the wifi working. Calling Frontier often and that is very difficult. 1 It is a struggle to keep the wifi working. Calling Frontier often and that is very difficult. 1 It is a sa seasonal property. No internet in the area 1 It is a seasonal property. No internet in the area 1 It is a seasonal property. No internet in the area 1 It is a seasonal property. No internet in the area 1 It is been used for work, remaind and ene child finishing college online. 1 It's been used for work, education, as well as entertainment. It's been working flawlessly. 1 It's been used for work, education, as well as entertainment. It's been working flawlessly. 1 It has given us the ability to do our jobs from home. 1 It has given us the ability to do our jobs from home. 1 It has given us the ability to do our jobs from home. 1 It has given us the ability to do our jobs from home. 2 It has given us the ability to do our jobs from home. 3 It has given us the ability to do our jobs from home. 2 It has given us the ability to do our jobs from home. 3 It has given us the ability to do our jobs from home. 2 It has given us the ability to do our jobs from home. 3 It has been as it is so slow for three kids and two adults to be on it at the same time trying to	73	fine	5/20/2020 2:59 PM
often not the case with tds service. 76 We need it and don't have enough service to work from home. 77 Allowed me to have meetings at home, but upload speeds are terrible. 78 Needed to continue our work 79 We have been able to work remotely. Most use our CenturyLink service while I do most of my work via a VZW hotspot 80 My internet has been a constant frustration because work and school means we have to prioritize who gets to use it. 81 It is a struggle to keep the wifi working. Calling Frontier often and that is very difficult. 82 I can work from home, but I was already doing that 83 This is a seasonal property. No internet in the area 84 Allowed me to work from and set up virtual meetings 85 Keeps us informed of day to day updates regarding pandemic. 86 Able to work from home and one child finishing college online. 87 It's been used for work, education, as well as entertainment. It's been working flawlessly. 88 enabled 1 to work remotely and student to finish school. 89 skip 89 readily more access to info 89 readily more access to info 89 that has given us the ability to do our jobs from home. 80 that has given us the ability to do our jobs from home. 81 thas given us the ability to do our jobs from home. 82 lt hasn't been as it is so slow for three kids and two adults to be on it at the same time trying to get work done. It is helpful late at night or early in the morning when no one else is on it.	74	WE have both used it for connecting to work	5/20/2020 2:54 PM
Allowed me to have meetings at home, but upload speeds are terrible. 5/20/2020 2:13 PM Needed to continue our work Needed to continue our work We have been able to work remotely. Most use our CenturyLink service while I do most of my work via a VZW hotspot My internet has been a constant frustration because work and school means we have to prioritize who gets to use it. It is a struggle to keep the wiff working, Calling Frontier often and that is very difficult. 5/20/2020 2:07 PM It is a seasonal property. No internet in the area Allowed me to work from home, but I was already doing that Keeps us informed of day to day updates regarding pandemic. 5/20/2020 1:47 PM Keeps us informed of day to day updates regarding pandemic. 5/20/2020 1:47 PM It's been used for work, education, as well as entertainment. It's been working flawlessly. F/20/2020 1:38 PM It's been used for work, education, as well as entertainment. It's been working flawlessly. F/20/2020 1:38 PM readily more access to info readily more access to info Yes It has given us the ability to do our jobs from home. Work has continued as usual (our office is in our home) and our children were able to easily participate in school distance learning. It hasn't been as it is so slow for three kids and two adults to be on it at the same time trying to get work done. It is helpful late at night or early in the morning when no one else is on it.	75		5/20/2020 2:22 PM
Needed to continue our work Needed to continue our work We have been able to work remotely. Most use our CenturyLink service while I do most of my work via a VZW hotspot My internet has been a constant frustration because work and school means we have to prioritize who gets to use it. It is a struggle to keep the wifi working. Calling Frontier often and that is very difficult. 1 can work from home, but I was already doing that 1 can work from home and one child finishing college online. 1 can work from home, but I was already doing that 1 can work from home, but I was already doing that 1 can work from home, but I was already	76	We need it and don't have enough service to work from home.	5/20/2020 2:19 PM
We have been able to work remotely. Most use our CenturyLink service while I do most of my work via a VZW hotspot My internet has been a constant frustration because work and school means we have to prioritize who gets to use it. It is a struggle to keep the wifi working. Calling Frontier often and that is very difficult. 1 can work from home, but I was already doing that 1 can work from home, but I was already doing that 1 can work from home, but I was already doing that 1 can work from home, but I was already doing that 1 can work from home, but I was already doing that 1 can work from home, but I was already doing that 1 can work from home, but I was already doing that 1 can work from home, but I was already doing that 1 can work from home, but I was already doing that 1 can work from home, but I was already doing that 1 can work from home, but I was already doing that 1 can work from home, but I was already doing that 1 can work from home, but I was already doing that 1 can work from home, but I was already doing that 1 can work from home, but I was already doing that 1 can work from home, but I was already doing that 1 can work from home, but I was already doing that 1 can work from home, but I was already doing that 1 can work from home, and one child finishing college online. 1 can work from home and one child finishing college online. 1 can work from home and one child finishing college online. 1 can work from home and one child finishing college online. 1 can work from home and one child finishing college online. 1 can work from home and one child finishing college online. 1 can work from home and one child finishing college online. 1 can work from home and one child finishing college online. 1 can work from home and one child finishing college online. 1 can work from home and one child finishing college online. 1 can work from home and one child finishing college online. 1 can work from home and one child finishing college online. 1 can work from home and one child fin	77	Allowed me to have meetings at home, but upload speeds are terrible.	5/20/2020 2:13 PM
My internet has been a constant frustration because work and school means we have to prioritize who gets to use it. It is a struggle to keep the wifi working. Calling Frontier often and that is very difficult. It is a struggle to keep the wifi working. Calling Frontier often and that is very difficult. It is a struggle to keep the wifi working. Calling Frontier often and that is very difficult. S/20/2020 2:07 PM It is a seasonal property. No internet in the area Allowed me to work from home, but I was already doing that Keeps us informed of day to day updates regarding pandemic. Keeps us informed of day to day updates regarding pandemic. Able to work from home and one child finishing college online. S/20/2020 1:47 PM It's been used for work, education, as well as entertainment. It's been working flawlessly. S/20/2020 1:45 PM enabled 1 to work remotely and student to finish school. S/20/2020 1:38 PM skip readily more access to info Yes It has given us the ability to do our jobs from home. S/20/2020 1:34 PM Work has continued as usual (our office is in our home) and our children were able to easily participate in school distance learning. It hasn't been as it is so slow for three kids and two adults to be on it at the same time trying to get work done. It is helpful late at night or early in the morning when no one else is on it.	78	Needed to continue our work	5/20/2020 2:11 PM
It is a struggle to keep the wifi working. Calling Frontier often and that is very difficult. 1 can work from home, but I was already doing that 1 can work from home, but I was already to day updates regarding pandemic. 1 can work from home, but I was already to day updates regarding pandemic. 1 can work from home, but I was already to day updates regarding pandemic. 1 can work from home, but I was already to day updates regarding pandemic. 1 can work from home, but I was a season all provided pandemic. 1 can	79		5/20/2020 2:09 PM
I can work from home, but I was already doing that 5/20/2020 2:06 PM This is a seasonal property. No internet in the area 5/20/2020 1:57 PM Allowed me to work from and set up virtual meetings 5/20/2020 1:49 PM Keeps us informed of day to day updates regarding pandemic. 5/20/2020 1:47 PM Able to work from home and one child finishing college online. 5/20/2020 1:47 PM It's been used for work, education, as well as entertainment. It's been working flawlessly. 5/20/2020 1:45 PM enabled 1 to work remotely and student to finish school. 5/20/2020 1:38 PM skip readily more access to info 7/20/2020 1:36 PM Yes 1t has given us the ability to do our jobs from home. 1t's heen as it is so slow for three kids and two adults to be on it at the same time trying to get work done. It is helpful late at night or early in the morning when no one else is on it.	80		5/20/2020 2:08 PM
This is a seasonal property. No internet in the area Allowed me to work from and set up virtual meetings Keeps us informed of day to day updates regarding pandemic. Keeps us informed of day to day updates regarding pandemic. 5/20/2020 1:47 PM Able to work from home and one child finishing college online. 1's been used for work, education, as well as entertainment. It's been working flawlessly. Enabled 1 to work remotely and student to finish school. S/20/2020 1:45 PM skip skip skip readily more access to info readily more access to info Yes S/20/2020 1:38 PM 1't has given us the ability to do our jobs from home. S/20/2020 1:34 PM It has given us the ability to do our jobs from home. Work has continued as usual (our office is in our home) and our children were able to easily participate in school distance learning. It hasn't been as it is so slow for three kids and two adults to be on it at the same time trying to get work done. It is helpful late at night or early in the morning when no one else is on it.	81	It is a struggle to keep the wifi working. Calling Frontier often and that is very difficult.	5/20/2020 2:07 PM
Allowed me to work from and set up virtual meetings Keeps us informed of day to day updates regarding pandemic. 5/20/2020 1:49 PM Able to work from home and one child finishing college online. 5/20/2020 1:47 PM It's been used for work, education, as well as entertainment. It's been working flawlessly. 5/20/2020 1:45 PM enabled 1 to work remotely and student to finish school. 5/20/2020 1:38 PM skip readily more access to info readily more access to info Yes 1t has given us the ability to do our jobs from home. Work has continued as usual (our office is in our home) and our children were able to easily participate in school distance learning. It hasn't been as it is so slow for three kids and two adults to be on it at the same time trying to get work done. It is helpful late at night or early in the morning when no one else is on it.	82	I can work from home, but I was already doing that	5/20/2020 2:06 PM
Keeps us informed of day to day updates regarding pandemic. 5/20/2020 1:47 PM Able to work from home and one child finishing college online. 5/20/2020 1:47 PM It's been used for work, education, as well as entertainment. It's been working flawlessly. 5/20/2020 1:45 PM enabled 1 to work remotely and student to finish school. 5/20/2020 1:38 PM skip readily more access to info readily more access to info Yes It has given us the ability to do our jobs from home. Work has continued as usual (our office is in our home) and our children were able to easily participate in school distance learning. It hasn't been as it is so slow for three kids and two adults to be on it at the same time trying to get work done. It is helpful late at night or early in the morning when no one else is on it.	83	This is a seasonal property. No internet in the area	5/20/2020 1:57 PM
Able to work from home and one child finishing college online. 5/20/2020 1:47 PM It's been used for work, education, as well as entertainment. It's been working flawlessly. 6/20/2020 1:45 PM enabled 1 to work remotely and student to finish school. 5/20/2020 1:38 PM skip readily more access to info readily more access to info 1/20/2020 1:38 PM 1/20/2020 1:38 PM It has given us the ability to do our jobs from home. 1/20/2020 1:34 PM Work has continued as usual (our office is in our home) and our children were able to easily participate in school distance learning. It hasn't been as it is so slow for three kids and two adults to be on it at the same time trying to get work done. It is helpful late at night or early in the morning when no one else is on it.	84	Allowed me to work from and set up virtual meetings	5/20/2020 1:49 PM
1t's been used for work, education, as well as entertainment. It's been working flawlessly. 5/20/2020 1:45 PM enabled 1 to work remotely and student to finish school. 5/20/2020 1:38 PM skip freadily more access to info readily more access to info Yes 1t's been working flawlessly. 5/20/2020 1:38 PM 5/20/2020 1:36 PM 1t's been as it is so slow for three kids and two adults to be on it at the same time trying to get work done. It is helpful late at night or early in the morning when no one else is on it.	85	Keeps us informed of day to day updates regarding pandemic.	5/20/2020 1:47 PM
enabled 1 to work remotely and student to finish school. 5/20/2020 1:38 PM 5/20/2020 1:38 PM 5/20/2020 1:38 PM 7/20 readily more access to info 1/20/2020 1:36 PM 1/20 Yes 1/20/2020 1:34 PM 1/20 It has given us the ability to do our jobs from home. 1/20/2020 1:34 PM 1/20 Work has continued as usual (our office is in our home) and our children were able to easily participate in school distance learning. 1/20/2020 1:11 PM 1/20 It hasn't been as it is so slow for three kids and two adults to be on it at the same time trying to get work done. It is helpful late at night or early in the morning when no one else is on it.	86	Able to work from home and one child finishing college online.	5/20/2020 1:47 PM
skip 5/20/2020 1:38 PM readily more access to info 7/20/2020 1:36 PM 1/20/2020 1:36 PM 1/20/2020 1:34 PM 1/20/2020 1:34 PM 1/20/2020 1:38 PM 1/20/2020 1:34 PM 1/20/2020 1:28 PM 1/20/2020 1:28 PM 1/20/2020 1:11 PM	87	It's been used for work, education, as well as entertainment. It's been working flawlessly.	5/20/2020 1:45 PM
readily more access to info 7/20/2020 1:36 PM 7/2020 1:36 PM 1/2020 1:34 PM 1/2020 1:38 PM 1/2020 1:36 PM	88	enabled 1 to work remotely and student to finish school.	5/20/2020 1:38 PM
91 Yes 5/20/2020 1:34 PM 92 It has given us the ability to do our jobs from home. 5/20/2020 1:28 PM 93 Work has continued as usual (our office is in our home) and our children were able to easily participate in school distance learning. 5/20/2020 1:11 PM 94 It hasn't been as it is so slow for three kids and two adults to be on it at the same time trying to get work done. It is helpful late at night or early in the morning when no one else is on it.	89	skip	5/20/2020 1:38 PM
18 It has given us the ability to do our jobs from home. 19 Work has continued as usual (our office is in our home) and our children were able to easily participate in school distance learning. 19 It hasn't been as it is so slow for three kids and two adults to be on it at the same time trying to get work done. It is helpful late at night or early in the morning when no one else is on it. 20 20/2020 1:28 PM 20 20/2020 1:11 PM 21 20/2020 1:257 PM	90	readily more access to info	5/20/2020 1:36 PM
Work has continued as usual (our office is in our home) and our children were able to easily 5/20/2020 1:11 PM participate in school distance learning. It hasn't been as it is so slow for three kids and two adults to be on it at the same time trying to get work done. It is helpful late at night or early in the morning when no one else is on it.	91	Yes	5/20/2020 1:34 PM
participate in school distance learning. 1 It hasn't been as it is so slow for three kids and two adults to be on it at the same time trying to get work done. It is helpful late at night or early in the morning when no one else is on it. 5/20/2020 12:57 PM	92	It has given us the ability to do our jobs from home.	5/20/2020 1:28 PM
get work done. It is helpful late at night or early in the morning when no one else is on it.	93		5/20/2020 1:11 PM
95 tremendously 5/20/2020 12:51 PM	94		5/20/2020 12:57 PM
	95	tremendously	5/20/2020 12:51 PM

130	school and work has been able to be completed	5/20/2020 8:47 AM
131	Like being connected but I can't watch a movie. I live in the country and it's tough to get a movie on Netflix	5/20/2020 8:44 AM
132	Would be nice to have at our place so we could work from home.	5/20/2020 8:23 AM
133	Keeping communication going	5/20/2020 8:16 AM
134	Extremely important	5/20/2020 8:13 AM
135	No change in internet usage	5/20/2020 8:12 AM
136	Nothing different than before the craziness.	5/20/2020 7:43 AM
137	Stay connect with work, and schooling	5/20/2020 7:38 AM
138	We can keep working and doing school at the same time.	5/20/2020 7:36 AM
139	needed to continue working from home.	5/20/2020 7:14 AM
140	It's crucial to have connect ability	5/20/2020 7:06 AM
141	Able to do work from home. Without it, have to pay through the nose for a hotspot on a phone or go into town.	5/20/2020 6:50 AM
142	very important	5/20/2020 6:47 AM
143	Being able to work and access school related sites and communicate with teachers in the needed apps	5/20/2020 6:44 AM
144	Absolutely necessary	5/20/2020 6:19 AM
145	Not especially helpful other than as a search engine. It has not allowed me to work from home. Two people can't be on the internet at a time.	5/20/2020 6:02 AM
146	Receive and send data related to work. Research information related to work	5/20/2020 5:39 AM
147	Working from home	5/19/2020 11:25 PM
148	Remote work plus connecting for meetings and family	5/19/2020 11:21 PM
149	Many meetings online	5/19/2020 11:18 PM
150	Needed it to continue with schoolwork and work.	5/19/2020 11:04 PM
151	Allows continuous contact to friends and relatives as well as business transactions.	5/19/2020 10:57 PM
152	It has provided access to school distance learning with a few glitches	5/19/2020 10:47 PM
153	Two of us work from home. We need internet access that will work for both of us at any time of day or evening. Could not work from home without it.	5/19/2020 10:35 PM
154	It is the link to everything	5/19/2020 10:34 PM
155	Na	5/19/2020 10:20 PM
156	The internet is essential to perform work duties and school work.	5/19/2020 10:11 PM
157	Keeps my job for me	5/19/2020 10:09 PM
158	Watching television, at home learning, zoom meetings	5/19/2020 9:37 PM
159	Working at home	5/19/2020 9:31 PM
160	Major source of information and communication.	5/19/2020 9:29 PM
161	Allows my wife to work from home	5/19/2020 9:25 PM
162	Keep in contact with others (ZoomSkype)	5/19/2020 9:19 PM
	October to consider a second filtres and the constitution of the	E/40/0000 0:40 DM
163	Couldn't work and live without it	5/19/2020 9:12 PM

E	EDC Broadband Survey - Spring 2020	SurveyMonkey
165	To be able to work from home. We have had to juggle its usage at times so that it didn't drop out.	5/19/2020 9:06 PM
166	Marginal	5/19/2020 8:58 PM
167	Stay connected, however not as well as we would like	5/19/2020 8:52 PM
168	We already homeschool and our family business is farming. Nothing changed big.	5/19/2020 8:51 PM
169	I can work and kids can do school work	5/19/2020 8:49 PM
170	Lifeline	5/19/2020 8:48 PM
171	We are able to have all three elementary students do distance learning and one parent at home working 6 days a week	5/19/2020 8:39 PM
172	It's allowed us to stay connected and work from home!	5/19/2020 8:23 PM
173	Distant learning, purchasing essentials on line while staying home.	5/19/2020 8:09 PM
174	Necessary but not sufficient	5/19/2020 7:55 PM
175	In touch	5/19/2020 7:55 PM
176	Just like any day, need to look for answers, download items, shop.	5/19/2020 7:50 PM
177	Zoom meetings primarily	5/19/2020 7:39 PM
178	Work, school, local news, etc.	5/19/2020 7:36 PM
179	It gives us access to local and national newspapers	5/19/2020 7:17 PM
180	Working from home	5/19/2020 6:50 PM
181	Made it possible to work from home.	5/19/2020 6:45 PM
182	Only way to connect for education	5/19/2020 6:45 PM
183	One member of household was moved from an office in Willmar to work from home, required per company guidelines. We use Zoom for our religious services 3 times a week and have also used Zoom to connect with family that have had health issues during this time, and we weren't allowed to visit them in the hospital	5/19/2020 6:08 PM
184	if it works,it gets ms by	5/19/2020 5:49 PM
185	Even slow internet is better than no internet. Had to spend 60 minutes uploading kids assignments just last night as internet was too slow	5/19/2020 5:37 PM
186	Schooling	5/19/2020 5:35 PM
187	Necessary to have reliable, fast service which we don't have	5/19/2020 5:33 PM
188	Same a pre pandemic	5/19/2020 5:27 PM
189	Even though the connection is slow at times, we have been able to work from home when needed and have been able to do distance learning for college. But still frustrating when the connections slow and when both residents need to be on at the same time.	5/19/2020 5:19 PM
190	Keeping in touch with family	5/19/2020 5:19 PM
191	It has allowed us to work from home	5/19/2020 5:11 PM
192	no change	5/19/2020 5:11 PM
193	Can work from home	5/19/2020 5:07 PM
194	We need it to work.	5/19/2020 5:07 PM
195	Being able to work & do school work	5/19/2020 5:05 PM
196	Yes essential	5/19/2020 5:03 PM
197	Working remotely from home and children having to do virtual school.	5/19/2020 5:03 PM
198	Allows us to get schoolwork done, but is slower than usual.	5/19/2020 4:54 PM

199	Work, Information, news, staying in touch with friends and family	5/19/2020 4:49 PM
200	Work and information	5/19/2020 4:48 PM
201	We could not survive without internet. I cannot imagine sitting in my car trying to work and get the school assignments done using public wifi.	5/19/2020 4:47 PM
202	OK	5/19/2020 4:38 PM
203	It has allowed us to work from home but with frustrating connection issues for video meetings and uploads/downloads.	5/19/2020 4:32 PM
204	Helpful	5/19/2020 4:28 PM
205	I work using video and phone - everyone connects using internet	5/19/2020 4:25 PM
206	We have used the internet about the same before, during and after the pandemic.	5/19/2020 4:23 PM
207	to keep up with my workflow	5/19/2020 4:22 PM
208	Quick access to internet	5/19/2020 4:20 PM
209	keeps me employed	5/19/2020 4:16 PM
210	something is better than nothing	5/19/2020 4:14 PM
211	Business as usual	5/19/2020 4:11 PM
212	Extremely helpful! Wouldn't be able to do our jobs without it.	5/19/2020 4:11 PM
213	Staying connected.	5/19/2020 4:11 PM
214	Videoconferencing, email, cloud-based computing, web applications	5/19/2020 4:09 PM
215	Has allowed us to work remotely, participate in zoom calls etc., and maintain social distance	5/19/2020 4:08 PM
216	Since we were a non essential business the only people that worked from the office were our Accountant and me. I came in because our internet at home is super slow. We have to turn off our phones, Ipad and anything else in order to use it for our computers. Only one computer at a time.	5/19/2020 4:06 PM
217	too slow, so not real helpful	5/19/2020 4:06 PM
218	Work from home during the stay at home order	5/19/2020 4:04 PM
219	I can work from home 80% of the time	5/19/2020 4:04 PM
220	Ability to keep working	5/19/2020 3:59 PM
221	Internet is essential to complete the daily tasks necessary for work and school purposes.	5/19/2020 3:56 PM
222	For working from home and distance learning	5/19/2020 3:53 PM
223	I would not be able to work From home without the use of Internet / hot spot.	5/19/2020 3:52 PM
224	Zoom meetings	5/19/2020 3:51 PM
225	work from home and HS student studies at home	5/19/2020 3:51 PM
226	It's jaded for everything	5/19/2020 3:49 PM
227	very, w/o it, would be unable to perform work at all. This Wuhan virus has impacted "work at home" for all, it'll be shown to be more of a necessity once this insanity subsides.	5/19/2020 3:49 PM
	Ordering groceries, and household needs	5/19/2020 3:47 PM
228	Ordering groceries, and household needs	3/19/2020 3.47 PW
	NA	5/19/2020 3:47 PM
228 229 230		
229	NA	5/19/2020 3:47 PM

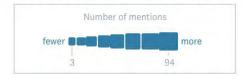
ED	OC Broadband Survey - Spring 2020	SurveyMonkey
233	Yes	5/19/2020 3:41 PM
234	Staying connected with work and family	5/19/2020 3:41 PM
235	Being able to work remotely	5/19/2020 3:40 PM
236	Yes	5/19/2020 3:39 PM
237	Necessary for work, shopping and entertainment	5/19/2020 3:33 PM
238	Distance learning for students in household. Needed to download work specific documents. During the pandemic have had to attend various online (Zoom, GoToMeeting, etc) meetings where video capabilities have been needed for viewing documents. Even the one person working away from home has needed to expand internet use for remote meetings while at home.	5/19/2020 3:31 PM
239	Online ordering, working remotely, connecting with family	5/19/2020 3:28 PM
240	Child is too young for school. Both parents have been reporting to work. We use our cell service for what is needed to work from home.	5/19/2020 3:27 PM
241	Too slow. Not helpful	5/19/2020 3:27 PM
242	allows us to connect to work site and have fewer people in office.	5/19/2020 3:26 PM
243	Without internet I would not have been able to do my job. I am fortunate that my employer will provide me with a hotspot to make up for the poor internet service that we have. My daughter has been dependent on internet for school work and social connection during the pandemic. It is necessary for my husband's business and our farm to be able to have reliable internet access.	5/19/2020 3:25 PM
244	N/A	5/19/2020 3:25 PM
245	Could not work without it	5/19/2020 3:25 PM
246	We use it for work, tv, news and music (alexa) and instead of data for our phones	5/19/2020 3:24 PM
247	ability to work from home and school	5/19/2020 3:22 PM
248	Nearly everything I do for work involves the internet.	5/19/2020 3:22 PM
249	The internet has been especially helpful for connecting with family members and my elderly parents during this time when I can visit them. The staff at Bethesda assist my parents with Facetime contact with their children. They are otherwise secluded during the stay at home and stay safe orders.	5/19/2020 3:22 PM
250	for distance learning for my college age daughter and my husbands small business needs	5/19/2020 3:20 PM
251	Don't have to return work to school. Can do continuing Ed classes online.	5/19/2020 3:18 PM
252	I had to work and home school my children from home. It was a basic necessity.	5/19/2020 3:18 PM
253	critically important	5/19/2020 3:17 PM
254	Allowed continued employment and education	5/19/2020 3:16 PM
255	qw	5/19/2020 12:25 PM
256	asdasd	5/19/2020 12:23 PM
257	Yes	5/11/2020 1:53 PM



How has internet been an issue for you or your household during this pandemic?

RESPONSES (259)	WORD CLOUD	TAGS (0)		
Cloud View	List View		Search responses	Q

lag providers bandwidth usage faster really even phone using internet users better None able always download cuts work home pandemic Streaming every day drops extremely slow go multiple upload kicks Service need work causing issues area speed sufficient slow us internet also times



Q9 How has internet been an issue for you or your household during this pandemic?

Answered: 263 Skipped: 33

#	RESPONSES	DATE
1	yes, slow, have to wait to get on line sometimes	5/30/2020 6:27 PM
2	IT'S DEFINITELY BEEN SLOWER.	5/29/2020 6:46 PM
3	NONE	5/29/2020 3:34 PM
4	No issues.	5/28/2020 2:18 PM
5	Sometimes	5/27/2020 9:02 PM
6	Still slower but we have been holding at 24-25 down	5/27/2020 6:42 PM
7	no	5/27/2020 3:36 PM
8	I have a connection that cuts in and out while on conference calls and when my kids are on zoom meetings. It is 2020! Everyone should have access to high speed internet!	5/27/2020 2:33 PM
9	It's too slow and everyone needs to be on it so we have to take turns	5/27/2020 8:31 AM
10	After 15 g a month, we no longer have internet	5/27/2020 7:45 AM
11	Connection issues around 5pm	5/27/2020 7:42 AM
12	Stops working at times. Interrupts my work	5/27/2020 7:15 AM
13	Overall well but speed could be better	5/26/2020 1:43 PM
14	YESwe don't have it.	5/26/2020 11:59 AM
15	Slow	5/26/2020 9:03 AM
16	It is slow and the video breaks up. It is hard to have a conversation when the screen freezes up.	5/25/2020 6:54 AM
17	Vary slow and not reliable to down load assignments. Have to take turns using the internet	5/24/2020 5:30 PM
18	Slower than normal due to high school age usage	5/24/2020 11:08 AM
19	Requires frequent resets through the dayevery day.	5/23/2020 10:16 PM
20	Too much use with teenagers	5/23/2020 9:24 AM
21	It can be very slow or not work at all. I have lost connection during meetings or had trouble signing in	5/22/2020 8:11 PM
22	A few times we have lost it briefly.	5/22/2020 8:19 AM
23	A little slow at times	5/21/2020 9:34 PM
24	It is very slow at times and it unexpectedly disconnects.	5/21/2020 8:59 PM
25	Limited	5/21/2020 6:54 PM
26	We did experience one day with bandwidth issues but otherwise it has been reliable	5/21/2020 3:19 PM
27	Not enough broadband width to do downloads or listen in on video conferencing	5/21/2020 2:55 PM
28	no	5/21/2020 2:26 PM
29	shopping personal contacts fact finding entertainment making appointments news	5/21/2020 2:14 PM
30	N/A	5/21/2020 1:22 PM
31	No, we had a very good provider with excellent speed and reliability prior to the beginning of the pandemic and that has not changed thus far.	5/21/2020 1:07 PM
32	occasionally it is slow.	5/21/2020 12:07 PM
33	bandwidth issues, reliability of service issues	5/21/2020 11:17 AM
34	No issues	5/21/2020 11:03 AM
35	Slow at times with multiple people on within house.	5/21/2020 10:33 AM

E	DC Broadband Survey - Spring 2020	SurveyMonkey
36	N/A	5/21/2020 10:18 AM
37	At certain times of the day, the internet either does not work or is incredibly slow.	5/21/2020 9:30 AM
38	Could be faster	5/21/2020 9:21 AM
39	Not enough speed!	5/21/2020 9:21 AM
40	unreliable availability	5/21/2020 9:04 AM
41	We have some periods where connectivity is iffy and unstable, but overall it's been highly adequate.	5/21/2020 8:56 AM
42	When it goes down or dips, that's hard. Also to stream Sunday services, I have to wait and watch the recorded video. Too much buffering.	5/21/2020 8:53 AM
43	no issues	5/21/2020 8:28 AM
44	It has not been an issue. See also answer to question #8. When you summarize this survey results, consider the number of survey invitations sent out to the number of responses. I would suggest that you should consider it most likely that those that had issue with internet were more likely to respond to this survey and those that did not have issue would respond in much fewer numbers. When you publish this result, please send it to all people you invited to take the survey. I would be very interested to see the results.	5/21/2020 8:24 AM
45	not	5/21/2020 8:24 AM
46	bandwidth/speed	5/21/2020 8:20 AM
47	Freezes. Trouble downloading info.	5/21/2020 7:27 AM
48	Our internet service is extremely slow. We are not able to stream movies on a firestick as it keeps stopping or hiccupping.	5/21/2020 7:08 AM
49	Yes, everyday.	5/21/2020 6:59 AM
50	have had no issues	5/21/2020 6:47 AM
51	Speed and constraints with 4 (WFH, 2 high school and 1 college distance learning) due to size of files	5/20/2020 9:56 PM
52	slow at times or not working at all	5/20/2020 9:33 PM
53	Slow speed. No connection	5/20/2020 9:09 PM
54	I have 3 in my household that use the internet and it's very slow or drops connections almost all the time. This has really been an issue when it comes to performing my job as I'm totally internet dependent.	5/20/2020 9:03 PM
55	Created stress when connection was poor or slow so unable to upload files for classes and to remote into my work's network to do my work.	5/20/2020 8:37 PM
56	Limit of speed	5/20/2020 7:46 PM
57	It's not available where we are located	5/20/2020 6:59 PM
58	N/A	5/20/2020 6:51 PM
59	It has allowed me to keep in touch with family through video conferencing. I was able to renew vehicle plates from home.	5/20/2020 6:19 PM
60	Slow does not meet advertised specs	5/20/2020 5:49 PM
61	We have limited options for internet. Our TDS option is supposed to be 15 speed. It is rare that happens. Most days it is a third of the speed to less. Kids cannot upload videos for school lessons and end up driving them to our business in Pennock to reach Charter Spectrum speed. Then the video sends instantly!	5/20/2020 5:47 PM
62	We need to drive to town multiple time a week to upload items.	5/20/2020 5:43 PM
63	I live on Social Security and a small amount of savings. I have to, each month, figure out how I am going to continue paying for TDS internet service. I do need internet because I am using it every day for illustrating a children's book.	5/20/2020 5:39 PM

0.4		F/00/0000 F 00 F 00
64	When it is not working, my employer is down too	5/20/2020 5:09 PM
65	low speed	5/20/2020 3:54 PM
66	Not	5/20/2020 3:40 PM
67	If any download or streams are on the network, my ability to work plummets and I am unable to help clients.	5/20/2020 3:36 PM
68	No issues, now that we have Frontier fiber running to our house!	5/20/2020 3:23 PM
69	Service slows way down, very slow or drops constantly. I have used my phone hotspot to access faster speeds.	5/20/2020 3:12 PM
70	No major issue	5/20/2020 3:09 PM
71	Snags in connection sometimes	5/20/2020 3:07 PM
72	It will shut down completely at random times	5/20/2020 3:07 PM
73	We limit users and load because we decided we couldn't rely on the service enough.	5/20/2020 3:01 PM
74	no	5/20/2020 2:59 PM
75	Have had no problems	5/20/2020 2:54 PM
76	Information loads very slowly. For online video meetings the screen stalls or can even lose the connection. Email is usually fine, but sometimes even that can have problems with large files.	5/20/2020 2:22 PM
77	Can't work at home.	5/20/2020 2:19 PM
78	Upload speeds are slow.	5/20/2020 2:13 PM
79	The speed has always been an issue and it is more of an issue now since the start of the pandemic	5/20/2020 2:11 PM
80	Our connection lags periodically as most of us are collaborating via Zoom or other intensive processes.	5/20/2020 2:09 PM
81	Deciding whether I can work or my child can submit an assignment means I have to decide between education and earning money.	5/20/2020 2:08 PM
32	Slow slow speed and sometimes it goes down completely.	5/20/2020 2:07 PM
83	no issues	5/20/2020 2:06 PM
84	None in the area	5/20/2020 1:57 PM
85	Have had some issues with speed and losing connection. But have been able to work around it. Doesn't happen often.	5/20/2020 1:49 PM
86	Reliability of the service we use (Spectrum).	5/20/2020 1:47 PM
87	Certain times the connection drops or is very slow, freezing up laptop.	5/20/2020 1:47 PM
88	Have not had any issues using Charter.	5/20/2020 1:45 PM
89	we are lucky as it has not been an issue	5/20/2020 1:38 PM
90	sporadic service	5/20/2020 1:36 PM
91	No issues	5/20/2020 1:34 PM
92	It is very slow and slows down work production and also does not allow us to use streaming services.	5/20/2020 1:28 PM
93	No issues to speak of	5/20/2020 1:11 PM
94	I have been forced to go into my office building when I know there will be high usage of Internet. I have maxed out my data plan on my cellphone which made data even slower.	5/20/2020 12:59 PM
95	It is extremely slow on downloads and uploads. It reminds me of the dial up days.	5/20/2020 12:57 PM
96	hasn't been	5/20/2020 12:51 PM

97	For the most part it works fine for us. There are times mostly during the evening where the speed may slow down, and streaming may be stalled or quality is reduced. But it's pretty rare, and we are mostly satisfied.	5/20/2020 12:47 PM
98	Cost - some cannot afford this service even outside of the pandemic.	5/20/2020 12:45 PM
99	Cost	5/20/2020 12:34 PM
100	Slow speeds, disconnects	5/20/2020 12:23 PM
101	Hasn't been to much of an issue	5/20/2020 12:08 PM
102	Speed is not fast enough	5/20/2020 11:59 AM
103	We aren't able to get fast and efficient internet at our house to be able to work from home.	5/20/2020 11:48 AM
104	slow	5/20/2020 11:39 AM
105	Way too slow	5/20/2020 11:31 AM
106	n/a	5/20/2020 11:22 AM
107	Just when it is slow it is hard to get my work done.	5/20/2020 11:16 AM
108	no change	5/20/2020 10:55 AM
109	During pandemic it's ok, but it's not fast enough to support streaming.	5/20/2020 10:45 AM
110	dMuch slower	5/20/2020 10:30 AM
111	It's slow at times.	5/20/2020 10:28 AM
112	Slow for streaming	5/20/2020 10:25 AM
113	Too slow to run any online meeting services. Takes an incredible amount of time to load school videos and upload homework assignments.	5/20/2020 10:21 AM
114	It has been OK	5/20/2020 10:15 AM
115	We had connection issues. Received an upgrade but still much slower than expected due to where we live.	5/20/2020 10:11 AM
116	to slow- crashes	5/20/2020 10:10 AM
117	It slows down and kicks some off when we're all using it at the same time.	5/20/2020 10:09 AM
118	Sometimes signal strength and getting connected is an issue almost like overload	5/20/2020 10:08 AM
119	Our slow and sketchy internet has been stressful to complete work and homework assignments. We many times go sit outside the Lake Lillian library for their internet.	5/20/2020 10:08 AM
120	Slow at times and lags.	5/20/2020 10:01 AM
121	It is so slow and doesn't allow us to upload certain school/work because of this.	5/20/2020 9:55 AM
122	Slower response on the streaming of content.	5/20/2020 9:48 AM
123	we have been blessed with very good service by having Charter cable in our home.	5/20/2020 9:45 AM
124	The most difficult part is the television working properly. The Internet for work is fine.	5/20/2020 9:45 AM
125	Can't handle more than 1 or 2 users, depending on the content.	5/20/2020 9:41 AM
126	It has been vital that I have internet.	5/20/2020 9:41 AM
127	It would have been terrible if I hadn't had it	5/20/2020 9:41 AM
128	no	5/20/2020 9:39 AM
129	With so many on line, it is so slow	5/20/2020 9:24 AM
130	at times it slows down, but hasn't been a serious issue. We just wait a while and come back to it.	5/20/2020 8:47 AM
131	Limited use for web meetings.	5/20/2020 8:44 AM

132	Can't work from home.	5/20/2020 8:23 AM
133	Slow speed	5/20/2020 8:16 AM
134	It hasn't	5/20/2020 8:13 AM
135	No change in internet usage	5/20/2020 8:12 AM
136	Not an issue.	5/20/2020 7:43 AM
137	Slow and interruptions during peek times	5/20/2020 7:38 AM
138	The strength of the signal can be low at times.	5/20/2020 7:36 AM
139	Very slow	5/20/2020 7:36 AM
140	It's a life and sanity saver!	5/20/2020 7:22 AM
141	Buffering, sometimes very slow.	5/20/2020 7:06 AM
142	Slow at times. Have to wait to upload or connect to a VPN	5/20/2020 6:50 AM
143	is a must have	5/20/2020 6:47 AM
144	Not an issue	5/20/2020 6:44 AM
145	Basically is sufficient for 1 person working. If we had multiple users would defined need something stronger and consistent.	5/20/2020 6:19 AM
146	Unable to zoom properly. Unable to upload and download or VPN into work. The speed is way too slow.	5/20/2020 6:02 AM
147	Limited to the amount of gigabytes I can use on my hotspots	5/20/2020 5:39 AM
148	Fine for one but not for more-will be upgrading to faster speed	5/19/2020 11:25 PM
149	No issues	5/19/2020 11:18 PM
150	Sometimes the speed is slow and connection drops.	5/19/2020 11:04 PM
151	It has not been an issue!?!?	5/19/2020 10:57 PM
152	Some connectivity and loading issues. We took turns to avoid glitches	5/19/2020 10:47 PM
153	Not enough bandwidth. I need to be able to upload recordings. I cannot do this from home. I have to drive to where I would otherwise be working, sit in my car in the parking lot where I can access the internet and upload my recordings there. I typically make recordings every day as I'm teaching online. It's doable but definitely inconvenient.	5/19/2020 10:35 PM
154	periodic slow downs	5/19/2020 10:34 PM
155	Slow, and disconnective	5/19/2020 10:20 PM
156	Yes to slow	5/19/2020 10:15 PM
157	1) too slow to effectively get work done. 2) currentinternet is not capable of supporting video conferencing	5/19/2020 10:11 PM
158	Its slow	5/19/2020 10:09 PM
159	Slow speeds no choices except tds and we were not happy with the continued increases in cost and ineffective internet	5/19/2020 9:51 PM
160	Slow internet speed until we changed to mvtv wireless	5/19/2020 9:37 PM
161	Slower than normal	5/19/2020 9:31 PM
162	Definite slow downs	5/19/2020 9:25 PM
163	Slow connectionLag in voice and video	5/19/2020 9:19 PM
164	It is very slow and expensive	5/19/2020 9:18 PM
165	slow - for what we pay. bonded 2 dsl lines for 10 MB	5/19/2020 9:12 PM

ED	OC Broadband Survey - Spring 2020	SurveyMonkey
166	Slow	5/19/2020 9:07 PM
167	Not always sufficient band width for 2 people to work	5/19/2020 9:06 PM
168	Downloading is slow	5/19/2020 8:58 PM
169	Slow	5/19/2020 8:52 PM
170	We have noticed more slow down or limited capacity.	5/19/2020 8:51 PM
171	No	5/19/2020 8:49 PM
172	Too slow and drops out	5/19/2020 8:48 PM
173	Not available in our area therefore forcing us to get satellite which is not sufficient for speed. Also problems with downloading and not enough bandwidth again forcing us to use internet in town to download and print.	5/19/2020 8:39 PM
174	Children's internet learning	5/19/2020 8:09 PM
175	NEED FIBER everywhere in the county.	5/19/2020 7:55 PM
176	Not adequate speed or reliability	5/19/2020 7:55 PM
177	To slow	5/19/2020 7:55 PM
178	It would be nice to have gig speed	5/19/2020 7:50 PM
179	We rely on it for everything!	5/19/2020 7:39 PM
180	Slower service	5/19/2020 7:36 PM
181	It is difficult to upload material to professional advisors	5/19/2020 7:17 PM
182	Slow speeds and drops off and kicks on	5/19/2020 6:50 PM
183	One adult always works from home. With 2 high schoolers and another parent also working from home internet speeds were terrible. After 2 weeks of slow speeds for all 1 parent had to find alternative workday arrangement. (Went to family cabin in Spicer with Charter internet). It was impossible to participate in web based calls or webinars with all 4 of us using the internet. At one point it took almost 4 hours for a student to upload a video assignment.	5/19/2020 6:45 PM
184	Slow speeds make conferencing difficult	5/19/2020 6:45 PM
185	The only available internet connection for our home is DSL vs fiber optic high speed. It's been sufficient, but we need to stagger our work and also turn the WiFi off most devices while doing certain things such as participating in a Zoom or Webex meeting.	5/19/2020 6:08 PM
186	locks up	5/19/2020 5:49 PM
187	Slow	5/19/2020 5:37 PM
188	Slows if more than 1 person using.	5/19/2020 5:35 PM
189	Slow	5/19/2020 5:33 PM
190	Slow speeds	5/19/2020 5:27 PM
191	The slow speeds along with high price make it an issue. No other providers in the area to switch to.	5/19/2020 5:19 PM
192	N/A	5/19/2020 5:19 PM
193	Sometimes there is lag time or it is slow.	5/19/2020 5:11 PM
194	no change	5/19/2020 5:11 PM
195	The speed is not fast enough at times	5/19/2020 5:07 PM
196	The connection is intermittent. It will kick me out from meetings, slow to load videos, documents.	5/19/2020 5:07 PM
197	Can't always get a connection with google hangout. Slow upload for assisgments	5/19/2020 5:05 PM

	EDC Broadband Survey - Spring 2020	SurveyMonkey
198	I wish there would be a push for more providers and better pricing, last time we had an opportunity for Fiber the pricing was so high and the push for support in a lake community was in the off season so really hard to get support when the lake community is at their full time residence.	5/19/2020 5:03 PM
199	Slow/poor connection resulting in challenging communication for work. Thankfully my work provides me with a hotspot or any Vidyo or Skype options would not work for me to connect successfully.	5/19/2020 5:03 PM
200	Yes, it has been slower than usual and will lock up at times during the day.	5/19/2020 4:54 PM
201	Cutting out during class, slow to load	5/19/2020 4:49 PM
202	Poor internet speed and very poor customer service due to the lack of viable alternatives.	5/19/2020 4:48 PM
203	Sometimes when everyone is using it, we can have connection issues	5/19/2020 4:47 PM
204	N/A	5/19/2020 4:38 PM
205	same as #8	5/19/2020 4:32 PM
206	No	5/19/2020 4:28 PM
207	We haven't had issues, but if T-Mobile hadn't offered this as a service we would not be able to have two people working, digital learning, and staying connected	5/19/2020 4:25 PM
208	Not really an issue.	5/19/2020 4:23 PM
209	takes longer to complete task	5/19/2020 4:22 PM
210	None	5/19/2020 4:20 PM
211	Slowness	5/19/2020 4:19 PM
212	It went out and now I'm using a hot spot for my internet connection	5/19/2020 4:16 PM
213	it would be good to have better internet	5/19/2020 4:14 PM
214	N/A	5/19/2020 4:11 PM
215	With everyone home working and kids trying to do school work we notice we get kicked off alot	5/19/2020 4:11 PM
216	not	5/19/2020 4:11 PM
217	Speed, cost.	5/19/2020 4:09 PM
218	It has not been an issue. We have sufficient capacity for three to four people to all be working at the same time	5/19/2020 4:08 PM
219	I came into Willmar to work at my office, when I could have done the same work from home.	5/19/2020 4:06 PM
220	no options for reasonable internet connection in our area, satellite is used up within a few days and then we have extremely slow connection for the rest of the month	5/19/2020 4:06 PM
221	Speed	5/19/2020 4:04 PM
222	It makes it difficult to teleconference or send large documents	5/19/2020 4:04 PM
223	More traffic using internet, causing reduced speeds and dropped connection at timed	5/19/2020 3:59 PM
224	It is slow and lags when students are trying to download school materials.	5/19/2020 3:56 PM
225	Slow at times, gone out at times	5/19/2020 3:53 PM
226	Slowness	5/19/2020 3:52 PM
227	Hot spot only has so many minutes available so have to really limit My time while using	5/19/2020 3:52 PM
228	N/a	5/19/2020 3:51 PM
229	could use more bandwidth for multiple streams	5/19/2020 3:51 PM
230	Way too slow	5/19/2020 3:49 PM
231	performance has decreased, likely due to more users, slow, drops, unreliable.	5/19/2020 3:49 PM

232	With the stat at home policy, movie are necessary	5/19/2020 3:47 PM
233	Same as alwaysonly 3.5 mb so can browse online but limits streaming, and does not allow me to work from home	5/19/2020 3:47 PM
234	it cuts out	5/19/2020 3:47 PM
235	slow, unavailable at times. not dependable	5/19/2020 3:46 PM
236	Sometimes I have to use the Verizon Wireless Jet Pack for internet, most of the time one of us has to get off the internet and wait our turn	5/19/2020 3:46 PM
237	No	5/19/2020 3:41 PM
238	Slow and frequent drops	5/19/2020 3:41 PM
239	It's a little high priced	5/19/2020 3:40 PM
240	No	5/19/2020 3:39 PM
241	No	5/19/2020 3:35 PM
242	Not at all	5/19/2020 3:33 PM
243	Has not	5/19/2020 3:33 PM
244	Slow service in our area to begin with. Drastic increase in users believed to further slow the system and cause issues. At some point each day service stops completely. Phone company won't upgrade our area. Have tried other systems (similar to a satellite dish) and equally poor reception.	5/19/2020 3:31 PM
245	none	5/19/2020 3:28 PM
246	We have learned to live without it as we have no feasible options. People weren't able to come into home to give us internet. Causing us to report to work.	5/19/2020 3:27 PM
247	I had to go to the work site many times because out internet was too slow.	5/19/2020 3:27 PM
248	When everyone is using internet, the internet connection is often lost and speed is slower.	5/19/2020 3:26 PM
249	We have not had adequate internet through our provider. The connection was so poor that I had to request a hotspot from my employer in order to have consistent service when teaching online classes. My daughter has often had to use our cell phone hotspot in order to upload assignments or make apps work so she can complete school work. Until my hotspot we were taking shifts on who was able to use the internet at different times during the day.	5/19/2020 3:25 PM
250	N/A	5/19/2020 3:25 PM
251	The speeds vary greatly. Sometimes I lose the connection and have to log back in. At times it will not upload or download.	5/19/2020 3:25 PM
252	Lots of lag or slower than it should be	5/19/2020 3:24 PM
253	The more people on the internet or devises the slower the programs run. My work phone has delays or cuts out if to many people on the internet.	5/19/2020 3:22 PM
254	The connection will drop fairly often or go down for some reason, then the provider will go fix the issues. It generally works okay.	5/19/2020 3:22 PM
255	I have experienced more slowing down and stopping completely, causing delays in my work schedule.	5/19/2020 3:22 PM
256	service is in and out sometimes many times a day for short periods of time and sometimes for a full day or two at a time. Also we don't have a landline phone so depend on wifi service for our cell phone usage, so at times do not have sufficient phone service when internet service goes in and out	5/19/2020 3:20 PM
257	Slow.	5/19/2020 3:18 PM

ED	OC Broadband Survey - Spring 2020	SurveyMonkey
259	occassionally it is slow, or kicks us out of a connection. it does not seems as strong or fast at times as usual, but in large part it is fine.	5/19/2020 3:17 PM
260	Slow, doesn't handle the numbers of participants to be active,	5/19/2020 3:16 PM
261	qwe	5/19/2020 12:25 PM
262	asdasd	5/19/2020 12:23 PM
263	Okay	5/11/2020 1:53 PM