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GLOSSARY

BEAD The Broadband Equity, Access, and Deployment program, a

federal subsidy program that will award up to \$1.7 billion for

broadband deployment in Missouri.

cost-to-pass The cost of installing communication cable along a utility

corridor, passing close enough by homes and businesses to allow

installation of drop cables to serve those locations.

County Cluster Designated county groups determined by MACOG and the directors

of the Regional Program Councils and Councils of Government for in-depth analysis to identify potential broadband project areas.

funding gap The difference between the total cost to build a last mile network

and the amount an ISP would be willing to invest in that network. As population density and average revenue per user drops, the

funding gap rises.

ISP An acronym for Internet Service Provider.

last mile The technology that bridges the distance between the Internet

service provider's network and the end user (customer).

location A location in the FCC Fabric which represents a "Broadband"

Serviceable Location" which consist primarily of households and

small businesses.

make-ready The process and cost of preparing an existing utility corridor for

a new communication cable attachment.

Mbps down / The rate that digital data is transferred from the internet to your download speed computer or device, measured in megabits per second. Download

speed affects streaming services, web page load times, and file

downloads like images, videos, and device updates.

Mbps up / The rate that data is transferred from your computer to the upload speed internet, measured in megabits per second. Upload speed is

internet, measured in megabits per second. Upload speed is important for video calls, telehealth sessions, remote work and

online learning, live gaming, and sending email attachments

middle mile The communication network segment between the network

backbone to a local network.

subsidy A sum of money from a government or granting agency to offset

the cost of installation or deployment of internet infrastructure by

a public or private entity.

underserved Any home or business that has an internet speed of less than 100

Mbps down and 20 Mbps up, often written as 100/20 Mbps.

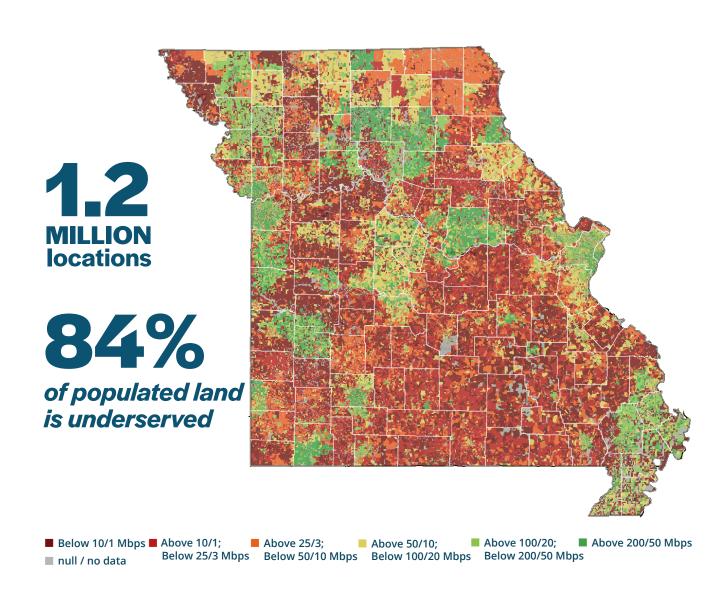
unserved Any home or business that has an internet speed of less than 25

Mbps down and 3 Mbps up, often written as 25/3 Mbps.

Executive Summary

In spite of past federal attempts to bring broadband to rural America, the digital divide remains a pressing reality for Missourians. According to coverage maps developed by Reid Consulting Group, more than 19% of all locations in the state of Missouri are unable to obtain FCC minimum broadband speeds of 25 Mbps down and 3 Mbps up. This translates to 59% of the populated land in the state.

With internet demand increasing tenfold every decade, Missouri needs a high-capacity network that not only meets today's needs but also has enough capacity and longevity to remain useful in 2055 and beyond.



SCOPE

This report examines broadband availability at the state, RPC/COG, and county levels with special focus on 47 rural counties organized into 15 geographic clusters. MACOG created these clusters in consultation with RPC/COG directors to offer planning to counties with significant need, which also may not have benefited from past efforts. The original scope included 42 counties, but two counties were added partway through the engagement, and three additional counties were added outside of the clusters for technical assistance bringing the total to 47.

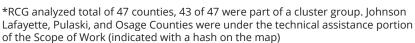
Carrier overstatements of coverage, especially fixed wireless, remain a problem in rural America. In Missouri, our statewide speed test analysis identified 792,000 unserved and significantly underserved locations. Many of these are claimed as served in the FCC's official maps, including 80,000 unserved locations that would be rendered ineligible for future funding. To address this issue, RCG filed 285,000 FCC bulk challenges on behalf of MACOG in two separate rounds, details can be found in <u>Appendix 3</u>.

To help direct funding where it would have the most benefit, RCG overlaid speed ratings with existing grant awards in each rural RPC/COG to identify gaps in coverage. We then conducted detailed analyses for each of the 44 cluster counties, defining project areas and building financial pro formas to estimate the cost to deploy fiber, the anticipated ISP investment, and any resulting funding gap for each area. RCG presented these findings at multiple meetings with RPC/COG directors, the MACOG board, the Missouri Office of Broadband and stakeholders.

County cluster recommendations, RPC/COG gap analyses, and the statewide broadband overview all are detailed in separate sections below. Additional information about our speed rating methodology and FCC challenge process can be found in separate appendices.

43* 15 71 project areas

Representing the full range of Missouri geography and topography





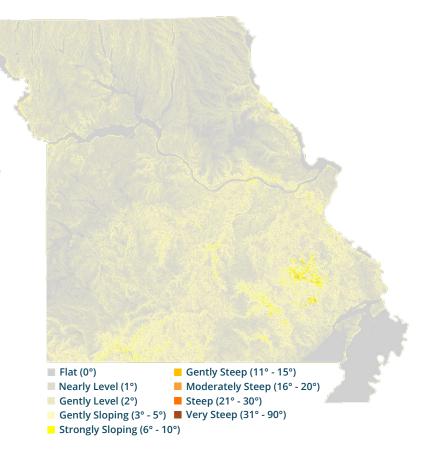
EXISTING INFRASTRUCTURE CHALLENGES

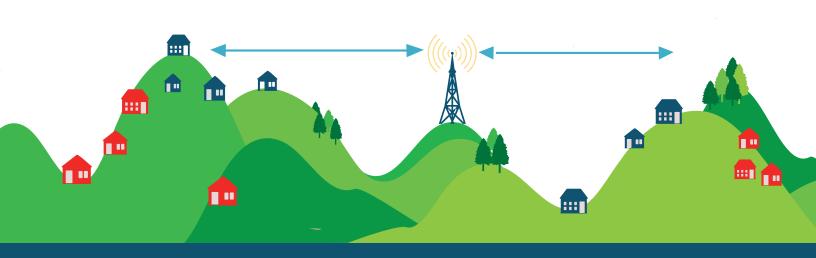
Broadband deployments in Missouri face three significant challenges: rugged terrain, dense canopy cover, and outdated infrastructure.

TERRAIN

The region's steep hills and narrow valleys present significant barriers to both wireless and wired providers. Wireless coverage uses line-of-sight transmission from tower to end users. If a wireless provider's transceiver does not have an unobstructed view of a home or business, then that location will not be able to receive service. This "terrain shadow" effect applies equally to fixed wireless Internet and cellular service.

While some vendors claim non-lineof-sight (NLOS) capabilities for their wireless equipment, the circumstances under which such NLOS signals would provide adequate broadband would be exceptionally rare.



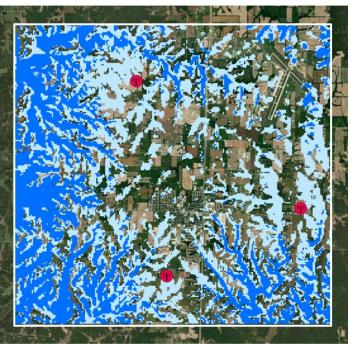






As part of the FCC bulk challenge process for fixed wireless, we conducted complex viewshed analysis for representative locations across the state to demonstrate the limitations posed by rugged terrain. We modeled signal propagation from three strategically placed, hypothetical 300-foot towers, color coding the map in areas that would have poor or no signal. These analyses showed that in all but the flattest terrain, many areas would be able to "see" just one tower, and a significant portion of locations would have no service at all.

Wired coverage, whether cable or fiber, also can be challenging to deploy in rugged terrain. With bedrock often close to the surface, providers typically must depend on aerial cable installations. In most cases, this means working with utility companies to attach new cable to existing poles. Although fiber optic cable is lightweight compared to power lines, the additional cable span still represents a significant increase in wind and ice loads on the pole structures.



No Line of SiteOnly 1 Tower VisibleTower Location (theoretical)



OUTDATED INFRASTRUCTURE

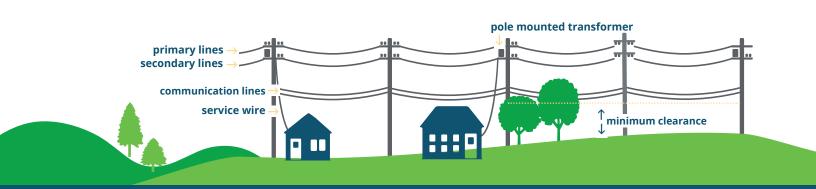
With the exception of some larger cities and towns, the only presently available infrastructure to carry wired broadband in rural areas is copper telephone cable.

When properly maintained, copper cable can support DSL internet service at speeds that meet the current federal minimum of 25 Mbps down and 3 Mbps up; however, most of the cables in the region were installed over 50 years ago and have seen little maintenance since then. At this point, rural copper cable is in such poor condition that it is unable to support reliable landline telephone service, let alone high-speed broadband.

Replacing DSL with fiber has its own challenges. In areas where aerial installation is the preferred option, aging poles may need to be replaced to avoid breaking under the added strain. Also, new cables sometimes cannot be added without violating minimum ground clearance requirements. In this case, the pole ends up needing to be replaced with a taller pole. These "make-ready" costs add up quickly, leaving providers less willing to invest in new cable runs.

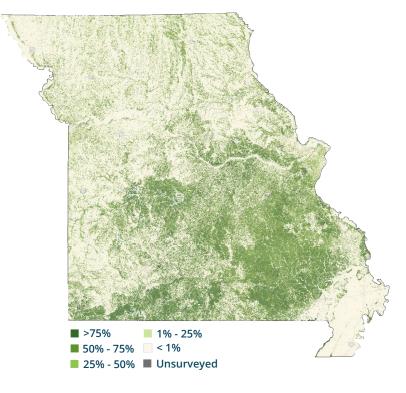






CANOPY

Many of the frequencies used by fixed wireless and satellite providers can be attenuated or completely absorbed by the water in tree leaves. First generation, 900 MHz fixed wireless technologies are less susceptible to canopy absorption; however, those frequencies also have limited bandwidth compared to the more popular 2-5 GHz bands. These higher frequencies provide much more capacity, but they also are subject to significant signal loss in heavily forested areas. Satellite services like Starlink that operate at 5 GHz and above can be completely blocked by even a single tree if that tree is in the signal path. Fixed wireless systems



capable of delivering reliable service at 10,000 meters in flat, open terrain can be rendered unusable in as little as 100 meters in rugged, densely forested areas.

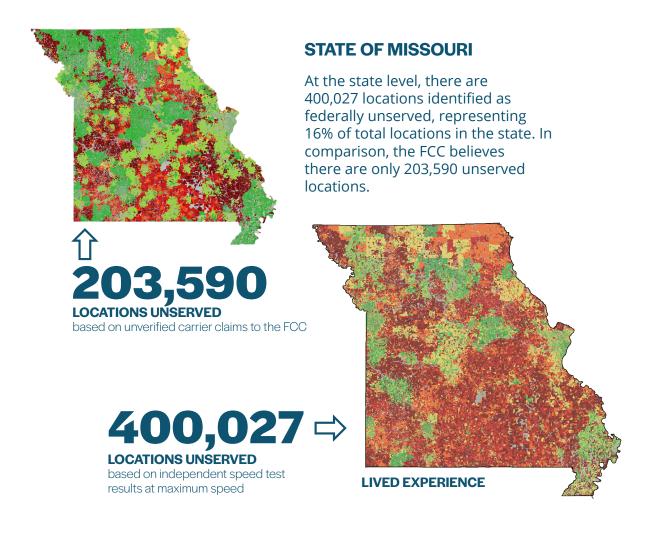
Fixed wireless could be a viable solution in sparsely populated agricultural areas and bottomlands, especially in regions where population density falls below the minimum for a sustainable fiber build. In areas with significant tree canopy or steeper terrain, fiber is a much better option.



Broadband Coverage Mapping

To address broadband availability issues in the region, it is essential to identify the true extent of the problem.

The maps in this report use a rating system developed by Reid Consulting Group that combines four components: Ookla Speedtest Intelligence® data licensed by MACOG for the months of December 2020 through December 2023 with FCC carrier filings of available speeds, carrier reports of actual broadband deployments to USAC (HUBB), RDOF Phase 1 eligibility, and population density. This rating system makes it possible to identify broadband availability at the census block and census block group levels. For additional details on this methodology, see <u>Appendix 1</u>.



[■] null / no data Below 25/3 Mbps Below 50/10 Mbps Below 100/20 Mbps Below 200/50 Mbps

Above 50/10;

■ Above 100/20;

■ Above 200/50 Mbps

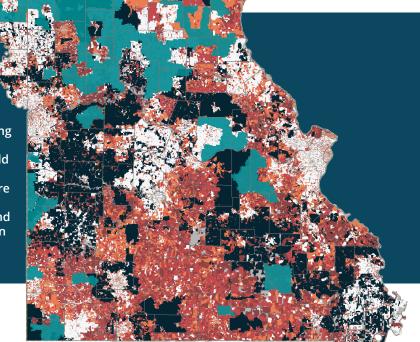
■ Below 10/1 Mbps ■ Above 10/1;

■ Above 25/3:

¹ The FCC has acknowledged that their coverage estimates are not accurate and has begun a campaign to improve its maps; however,the new Fabric that was released in anticipation of the BEAD program suffers from the same overstatements and lack of verification as the old Form 477 maps.

BRIDGING THE GAP

RCG recommends a focus on areas of the State "Below 50/10" which means that reliable broadband services at speeds of 50 Mbps down and 10 Mbps up remain unavailable. The Federal definition of "underserved" extends further to any location "Below 100/20," i.e. locations receiving less than 100 Mbps down and 20 Mbps up. Our analysis finds the "Below 50/10" threshold generates logical, contiguous service areas that remain in dramatic need of infrastructure investment. As you can see in the map, the "Below 50/10" coverage remains extensive and thus warrants focus for broadband expansion



Below 10/1 Mbps ■

Above 10/1; Below 25/3 Mbps ■

Above 25/3; Below 50/10 Mbps ■

Areas with State or Federal Awards

Areas with E-ACAM carrier participation

null / no data ■

The FCC's Connect America Model (CAM) is a long-standing subsidy program that pays telecommunications carriers to offer broadband in their landline telephone territories. The original model targeted 10/1 Mbps. The "alternative" model (ACAM) upped that to 25/3 Mbps. The most recent, "enhanced alternative" model (E-ACAM) offers additional subsidy to carriers who agree to increase speeds to 100/20 Mbps. By the late October 2023 deadline, several of the Missouri-based ACAM providers elected to accept the FCC's E-ACAM offer. As such, these areas become ineligible for BEAD and most other sources of broadband grant funding.

E-ACAM elections will affect 29 project areas in 13 cluster counties, including 10 project areas that have at least 75% of their total area covered by E-ACAM. Because this development came at the end of RCG's period of performance, there was not enough time to redraw project boundaries and recalculate the financial estimates for those areas. Instead, we have flagged the affected project areas in each county cluster report and have excluded project areas with 75% or more E-ACAM coverage from our summary numbers. Project areas with less than 75% coverage remain in the overall calculations, but it should be noted that actual costs and scope will be lower for those areas once the E-ACAM overlap has been excluded.

Development Districts

There are 19 regional development districts in the state of Missouri. The MACOG-defined county clusters we focus on in this report include counties from 17 of those districts. The only districts not represented are the Mid-America Regional Council and the East-West Gateway Council of Governments, both of which include a significant number of urban locations.

To provide broader context for the cluster reports, we conducted baseline gap analysis for all of the counties in each of the 17 rural development districts. We also provided broadband availability data to the two urban districts.

percentage is of the populated area

			percentage is of the populated areaI			
RPC / COG	total number of counties	unserved locations	unserved sq. miles	underserved locations	underserved sq. miles	locations per fiber mile
Boonslick	3	18,891	37%	31,430	62%	16
Bootheel	6	11,075	16%	35,226	51%	11
Green Hills	11	17,326	30%	38,078	67%	6
Harry S Truman	4	24,886	26%	54,799	58%	16
Kaysinger	7	33,894	52 %	52,807	82%	8
Lk of the Ozarks	4	20,351	24%	61,058	77%	14
Mark Twain	8	18,062	25%	41,153	58%	9
Meramec	8	41,527	39%	75,461	85%	11
Mid-Missouri	6	11,075	11%	35,226	33%	18
Mo-Kan	4	8,097	12%	15,057	25%	16
NE Missouri	6	13,383	45%	23,721	76%	6
NW Missouri	5	10,014	40%	15,970	64%	5
Ozark Foothills	5	18,754	45%	29,998	73%	9
Pioneer Trails	4	23,660	34%	49,884	76%	11
SC Missouri	7	41,374	64%	59,192	93%	8
SE Missouri	7	30,846	25%	75,029	73%	16
SW Missouri	10	66,682	22%	121,888	43%	19
		BELOW 25/3 Mbps		BELOW 100/20 Mbps		

Detailed broadband profiles for each Regional Planning Commission and Council of Government can be found in <u>Appendix 4.</u>

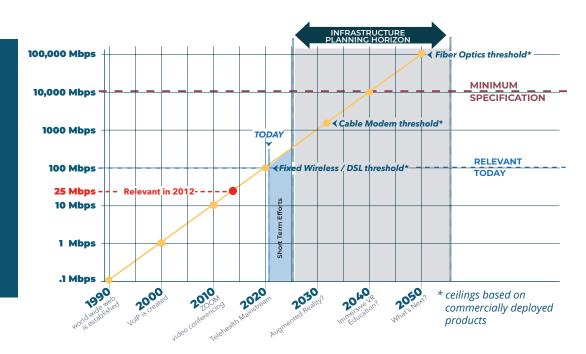
Recommended Solutions

BUILDING FOR THE FUTURE

For planning purposes, broadband deployments must be treated like infrastructure projects. Much like water, sewer, and roads, broadband networks should be designed to last decades rather than years. Networks installed today should utilize technologies, materials, and design specifications that will deliver 30-to-40-year longevity. Networks also should have sufficient capacity to meet not only current needs but also those of 2055.

Given the capital costs and construction requirements for broadband, we recommend a planning window that starts in 2025 and continues through 2055. This timeline assumes a three to four year deployment window which will vary based on project size, supply chain complexities and labor availability.

Since the web was invented in 1990, broadband demand has increased ten-fold every decade.



When home internet first became common, most households connected using landline modems that operated at 56 Kbps (0.056 Mbps). By 2000, speeds had increased to 1 Mbps. A decade later, a well-served household could expect 10 Mbps. The FCC's current 25/3 Mbps threshold was last relevant in 2012, when the average download speed reached 25 Mbps. Currently, someone living in a well-served area can expect at least 100 Mbps down/20 Mbps up.

With remote work and learning, telehealth, and virtual reality quickly becoming mainstream, it is not difficult to imagine the average speed reaching 1,000 Mbps (1 Gbps) ten years from now. In fact, many internet providers already offer 1 Gbps and 2 Gbps plans with business connections and some residential connections routinely operating at 10 Gbps. Some backbone and middle mile networks already operate on 100 Gbps and 400 Gbps connectivity.

CHOOSING THE RIGHT TECHNOLOGY

Currently, a variety of technologies are available to deliver broadband service. Each of these technologies has specific advantages and disadvantages; however, given a 30-year planning window, the most important criteria are speed and longevity. Barring future improvements, fiber optic is the only technology available today that can deliver speeds in excess of 100 Gbps. Most other technologies have a maximum speed of between 100 Mbps and 1,000 Mbps (1 Gbps).

Fixed Wireless

Fixed wireless offers relatively quick deployment times and lower initial costs compared to fiber; however, the technology uses line-ofsight transmission and is limited in its overall bandwidth. In areas with rugged terrain, the service will be unable to reach customers who live in steep valleys with one or more ridges between their location and the provider's tower. Most fixed wireless services top out at 1 Gbps of shared bandwidth. In areas with favorable terrain and a high take-rate, that bandwidth will quickly become oversubscribed. Some manufacturers have begun deploying fixed wireless transceivers and advanced antenna arrays that can reach gigabit speeds, but these technologies remain limited to line-of-sight between the tower and end user. Due to these limitations, fixed wireless deployments make the most sense only in flat areas with extremely low population densities that would be insufficient to support operations of a fiber network.

DSL

DSL theoretically tops out at around 100 Mbps, but those speeds are only achievable if landline telephone cabling is in good condition. Given that most of the copper cabling in the state is 2-3 decades beyond its expected lifespan, DSL providers will be hard pressed to meet even a 25 Mbps threshold.

Fiber to the Home

Fiber optic cabling is the only technology available today that is capable of meeting the 100 Gbps speed threshold predicted for 2055. In fact, 10 Gbps fiber-to-the-home deployments are becoming increasingly common in affluent communities. Fiber does have significant up-front capital costs, but those costs are balanced by low ongoing maintenance and excellent longevity. Researchers have yet to discover an upper speed limit for fiber, meaning that high-quality fiber installed today can support everincreasing speeds simply by replacing the electronics on each end of that cable.

Cable Modem

Cable TV-based internet services have good download capacity, with many providers offering 1 Gbps and 2 Gbps packages; however, upload capacity can be a problem. Even the fastest cable download packages can struggle to exceed 10 Mbps upload. Thus, areas with existing cable infrastructure may meet current download demand, but the technology will increasingly show its limitations as video conferencing and virtual reality sessions become more common. For most Cable TV systems, a relatively inexpensive upgrade can address the current upload constraints.²

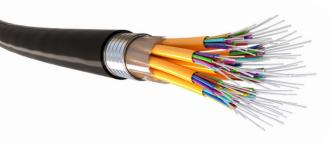
Satellite

Satellite services are capable of providing 100 Mbps, but they have limited expansion capacity. Also, the amount of time it takes for a data signal to reach a high orbit satellite and return to earth can cause poor performance for video conferencing and other services that depend on low latency. Low-orbit services like Starlink solve the latency issue but remain limited in overall capacity. Also, rugged terrain and even moderate foliage can block access to the Starlink signal.

²When deploying in new territories, many cable providers are moving to fiber optic instead of expanding their existing COAX/DOCSIS systems. It also is possible to perform a "high split" upgrade on older cable technology to improve upload capacity.

Design Recommendations

FIBER TO THE HOME



Fiber optic cable currently is one of the longest lasting solutions for broadband delivery. The cable itself can be expected to last upwards of 30 to 40 years, and its speed is limited only by the electronics attached at each end. As electronics improve, an existing fiber network can be repeatedly upgraded simply by replacing those electronics. This is significantly less expensive than replacing or upgrading other forms of cable infrastructure.

HIGH QUALITY: HIGH STRAND COUNT CABLE

All of the budget recommendations in this report assume a fiber network with enough capacity to remain useful in 2055. To build such a network, Reid Consulting Group recommends the use of armored, high strand count cables with:

- A minimum of one dedicated fiber strand per household
- A minimum of 50% additional fiber strands to support population growth and future requirements
- Sufficient extra strands to support cellular tower expansion, 5G, and SmartGrid deployments

These cables should be installed to rigorous industry standards such as the USDA Rural Utility Services specifications.

AERIAL INSTALLATION



UNDERGROUND

Burying fiber can avoid utility pole attachment fees and associated make-ready costs required for aerial installations. Such savings in pole-related costs must be weighed against the total cost of going underground. Costs can vary widely based on burial depth, the presence or absence of other underground infrastructure, the need to bore beneath roads, how much rock is encountered, and whether conduit is used versus direct burial. Some parts of the state may lend themselves well to underground installations while others may be cost prohibitive. For areas with a moderate incidence of surface rock, it is estimated that burying fiber in conduit to a depth of three feet (the preferred approach for long term durability) would cost between \$105,000 to \$185,000 per mile in total. In areas with high incidence of surface rock, buried installations become cost prohibitive for last-mile projects. By comparison, aerial fiber over similar quality and durability will cost between \$85,000 and \$120,000 per miles (including the make-ready costs).

Why does broadband require subsidy?

While rugged terrain and a lack of modern infrastructure play a part in perpetuating the digital divide, population density is the main factor that has prevented internet providers from investing in rural locations.

Broadband infrastructure is expensive. High quality, high strand-count fiber optic cable can cost between \$85,000 and \$120,000 per mile to install on existing utility poles. Burying fiber in conduit can increase this cost in some locations to as much as \$185,000 per mile. Given these capital expenses, internet providers typically only deliver service in locations with enough potential customers to recoup those expenses. This fiscal caution can be seen in statewide broadband speed maps.

BUDGET CONSIDERATIONS

COST PER MILE

Building a fiber network involves three basic expenses: preparing utility corridors to support fiber optic cables for aerial installation (make-ready), installing fiber along those corridors, whether aerial or underground (cost-to-pass), and connecting individual homes and businesses to the new fiber (cost-to-serve).

MAKE-READY

As part of any broadband deployment, electric utilities must modify or replace at least some of their poles to accommodate increased cable weight, wind and ice loads, and limited clearance between power lines and aerial communications cabling. These costs vary based on electric provider and the kind of cable being installed. A heavier cable may require more make-ready than a lighter one.

	LOW	HIGH
Make-Ready	\$25,000 ³	\$55,000
Cost to Pass	\$60,000	\$65,000
TOTAL	\$85,000	\$120,000

Make-ready costs can vary significantly from one utility provider to another. In this report, we assume a make-ready of \$25K to \$55K per mile to accommodate high strand count cables that require strand-and-lash support. This figure is approximately what it would cost to build an independent communications pole network as a last resort, should ISPs and local utilities be unable to reach an acceptable agreement.

COST TO PASS

Fiber optic comes in a wide range of styles, from lightweight household drop lines to high-capacity, armored cable sheaths that bundle hundreds of fiber strands together to carry massive amounts of data. Household drop fiber is inexpensive and puts less strain on utility poles, but it has limited capacity. Broadband speeds have increased 10-fold every decade since 1990. To ensure that a fiber network built today remains useful 40 years from now, this report assumes the use of high strand-count cables.

While a provider could deliver rural broadband that meets current state and federal speed requirements using only low strand-count household drop cable, such a network would offer little flexibility to expand services or increase speeds as demand rises. Material and labor costs for high strand-count fiber are estimated at \$60K to \$65K per mile.

³ Some industry groups estimate make-ready as low as \$5,000-10,000 per mile. Such estimates generally either assume the pole owners will make up the difference or that low strand count drop cables are being deployed.

Identifying Project Areas

This report is meant to be a practical planning tool to help local, regional, and state officials advocate for subsidized broadband expansion projects in areas where grant money would have the greatest impact. RCG drew multiple project areas in each cluster county based on broadband availability data, speed ratings, and state/federal award territories as of July 2023.

Developing the cluster county project areas was a three-step process:

Mapping existing broadband availability and federal/state awards.

Conducting gap analysis to identify areas that remain unfunded and either unserved (below 25/3) or significantly underserved (below 50/10).⁴

Drawing project outlines and calculating the total number of locations, businesses, and miles of fiber needed to reach those locations/businesses.

[1]

MAPPING

RCG plotted existing broadband availability at the census block and block group levels using our 6-tier speed rating analysis. We then developed state and federal award layers based on multiple sources, including the FCC, the USDA, the NTIA, and the Missouri Office of Broadband Development. Next, we plotted the locations of all businesses in the rural portions of the state and graded each location's expected broadband demand based on business size and industry sector.⁵ Finally, we obtained an FCC Fabric license on behalf of MACOG to support location-based grant applications and statewide bulk availability challenges.



GAP ANALYSIS

To identify areas of need that remain unfunded, we superimposed existing award layers on statewide speed ratings using a simplified color scheme. All existing state and federal awards were "blacked out" to make it easy to identify areas that would not be eligible for future funding. We then created multiple speed rating layers that focused on specific levels of need: below 25/3 Mbps, below 50/10 Mbps, and below 100/20 Mbps. These ratings used variations on a single shade of red to make it easier for viewers to see areas of need. RCG conducted this gap analysis at the RPC/COG level and presented our findings to RPC/COG directors, staff, and stakeholders in June 2023.

⁴ For a detailed explanation of our mapping methodology, see Appendix 1

⁵ Business locations, number of employees, and industry sectors are based on data obtained from Dun & Bradstreet on behalf of MACOG.

[3]

CRITERIA FOR DRAWING PROJECT OUTLINES

During gap analysis, it became clear that 25/3 Mbps and 50/10 Mbps were the most useful thresholds for project planning. Areas below 25/3 typically fall into clear patterns of contiguous blocks that reflect population density and terrain. Bumping the threshold up to 50/10 Mbps expands those footprints and, in some cases, highlights additional areas of poor service in other parts of the county in question. In both cases, the patterns of need remain clear.

At the full federal threshold of 100/20 Mbps, however, many counties saw nearly all of their unfunded territory flagged as underserved. While we are confident that this rating does reflect on-the-ground reality, grant applications in "high-underserved" areas that are above 50/10 but below 100/20 will face more funding challenges than areas below 50/10 Mbps. For example, many high-underserved areas correspond with existing cable providers' territories. Cable modems are capable of delivering download speeds as high as 2 Gbps, but they struggle to reach even 10 Mbps up. In our mapping scheme, this imbalance results in many cable territories being rated as underserved. While this rating is accurate, cable providers are likely to challenge any grant applications in their service areas. Given the number of locations that remain completely unserved and the clear delineation between 50/10 and 100/20, we chose to focus on the below 25/3 and below 50/10 speed tiers when drawing project outlines.

While a case can be made for including every unfunded location that rates below 50/10 Mbps in any given county, we made the following refinements to our project area criteria:

Separate unserved from underserved when feasible

Because the BEAD program prioritizes funding for areas below 25/3 Mbps, in places where it made geographic sense we drew project boundaries to emphasize unserved territory. For example, if an unserved area was bordered by an underserved area that rated above 50/10 but below 25/3, we drew two project outlines, one for the unserved territory and one for the underserved. On the other hand, when unserved and underserved blocks are mixed together, we did not attempt to split them out, instead drawing boundaries based on geographic boundaries like rivers, major highways, or railroad rights of way.

Proximity to Existing Awards

Many existing grants like the FCC's Rural Digital Opportunity Fund (RDOF) and the USDA's ReConnect program use census blocks to identify funded locations. Because census block boundaries often follow road centerlines, homes and businesses on one side of a road can be marked as funded while locations on the other side of the road are not. Such unfunded locations would be eligible for additional funding, but they are not attractive project targets for two reasons. First, those locations are likely to be served as part of the existing award recipient's build out. When an ISP is running fiber along a road to serve homes on one side, it makes financial sense to extend service to the other side of the road, too. Likewise, if a single block with a handful of unfunded locations is completely surrounded by funded territory/roads, it is likely that those locations will be included in the awardee's build out.

As a general rule, we avoided including these sorts of "funding adjacent" locations in project areas unless those locations' roads were needed to complete a larger project area.

Accommodate Range of Project Sizes

In some cluster counties, it would have been possible to draw a single project area that would include much or all of the county's populated acreage. In such cases, we drew multiple smaller project areas that can be mixed and matched depending on the amount of available funding.

Costs and Estimated Subsidy

All of our cost estimates are based on deploying a high quality, high-capacity fiber-to-the-home network with enough capacity to remain useful throughout the network's expected 30- to 40-year lifespan. This includes dedicated strand architecture with each location on its own strand of fiber fed by high strand-count backbone cables with at least 50% excess capacity to accommodate future growth as well as related initiatives like expanded cellular service.

Estimating Distance

Last mile broadband infrastructure typically follows existing roads. Total project cost can be estimated by multiplying make-ready and cost-to-pass by the number of state, county, municipal, township, and unincorporated road miles in unserved census blocks.

Estimating Costs

For each project area, RCG built best- and worst-case financial scenarios for how much it would cost to run a high strand-count fiber network past each potential home/business, how much an internet service provider would be willing to contribute, and the resulting funding gap.

Because utility corridors typically follow roads, the number of road miles in a project area is a good proxy for the number of fiber miles needed. Thus, total cost-to-pass was calculated by multiplying the number of state, county, municipal, local, and unincorporated road miles by the cost-per-mile to install fiber either on utility poles or underground.

Aerial fiber cost figures include \$25K to \$55K per mile for make-ready. In our experience, make-ready can vary significantly from one project to the next based on factors like pole height and span length, average age, and the number of existing cables in the communication and power spaces. In a worst-case scenario, up to three quarters of the poles in a project area could need to be replaced at a cost between \$2,500 and \$5,000 per pole. On the other end of the spectrum, a rural electric co-op deploying fiber on its own utility poles could lower make-ready costs significantly by installing ADSS (All-Dielectric Self-Supporting) fiber in the power space instead of using the communication space. Utility providers operating on their own pole networks also would not incur any pole attachment fees.

Underground costs assume high strand-count fiber buried at 36 inches in conduit. Going underground eliminates make-ready costs and can mitigate some physical risks to the network like wind and ice, but the approach comes with a higher base construction cost. Our base cost estimates assume \$10-12 per foot for directional drilling. This cost rises to \$50 per foot if a rock adder is needed to deal with surface rock. Our estimates assume 10% to 40% surface rock.

Given the unpredictable nature of aerial make-ready and underground boring, we provide a range of possible costs in our overall financial model.

GAP INVESTMENT

Estimating ISP Investment

Internet Service Providers' investment decisions are driven largely by population density and average revenue per user (ARPU). As population density increases, so does an ISP's willingness to invest in an area. Likewise, if an ISP believes that a service area will have a high ARPU, their investment appetite will increase. There are two primary ways to improve ARPU: charging more per month and increasing the overall take-rate. For example, in a rural area with only one provider, take-rate could be 80% or more, and the ISP could charge more per month than they would in an area with multiple competing providers.

To account for this variability, we include low, mid, and high estimates for what an ISP would be willing to invest per location.

BRIDGING THE FUNDING GAP

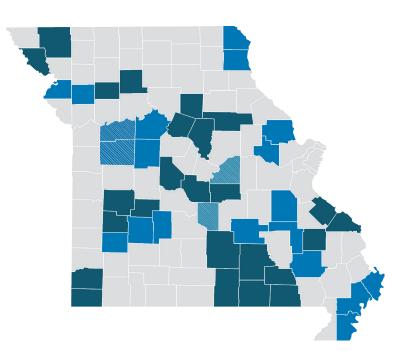
The digital divide exists in the first place because the cost to pass in low density rural communities is higher than any ISP would be willing to spend to deploy fiber to the home. To bring broadband to such areas, gap investment is needed. Typically, this takes the form of state or federal subsidy.

For each project area in this report, we provide a range of gap investment figures based on combinations of best- and worst-case fiber costs and ISP investment appetite. If fiber costs are low and ISP investment is high, then the gap will be lower. On the other hand, if fiber costs are high and ISP investment is low, then the gap will be higher.

Even for fairly small projects, broadband gap investments can run in the millions or tens of millions of dollars. When considering such large numbers, it is important to remember that broadband is infrastructure. Much like a water, sewer, or road project, a broadband deployment should be treated like the once-in-a-generation investment that it is. When amortized over a fiber network's projected 30-year lifespan and spread across all of locations served, a multi-million-dollar investment can translate to as little as just a few hundred dollars per location per year.

County Cluster Analysis

196
project areas
122,409
locations
16,791
fiber miles



The following section contains detailed project area reports for all 15 county clusters, including three of the five hat were added to our analysis as part of the "additional technical assistance" scope of work.⁶

For ease of reading and to facilitate comparison between clusters, each report follows the same format.

Cluster-Wide Context

Map of current broadband speeds in the cluster counties with a red-orangeyellow-green color scheme that ranges from below 10/1 Mbps to above 200/50 Mbps.

Simplified, two-color speed rating map that highlights only the areas with the greatest need: red for below 25/3 and orange for above 25/3 but below 50/10. This page also includes an inset that identifies areas with existing funding.

Composite map that identifies gaps by overlaying the red/orange speed rating scheme with existing funding and proposed project outlines..

County-Specific Data

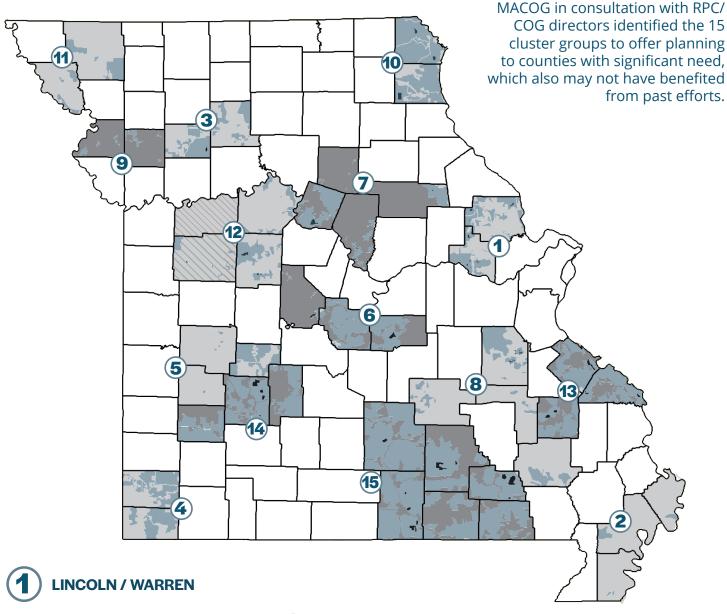
County-level index map with business locations, road centerlines, and numbered project areas. Also includes financial stats for all of the county's project areas combined.

Project financial pro forma tables that identify ranges for cost-topass, expected ISP investment, and funding gaps

*Investment projections for each of the county clusters and potential project areas take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in Appendix 1 and 2

⁶ Maries, Johnson, and Lafayette are included. Osage and Pulaski will be delivered under separate cover.

PROJECT AREAS

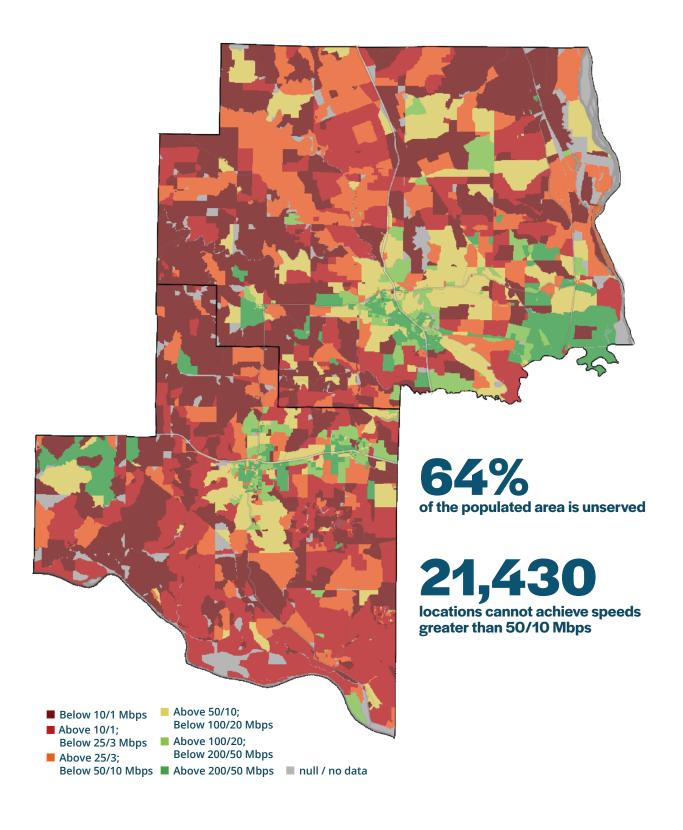


- PEMISCOT / NEW MADRID MISSISSIPPI
- 3 CALDWELL / LIVINGSTON
- A NEWTON / MCDONALD
- HICKORY / CEDAR ST. CLAIR
- 6 MORGAN / MILLER MARIES

- AUDRAIN / RANDOLPH HOWARD / BOONE
- B DENT / WASHINGTON IRON / WAYNE
- 9 CLINTON / BUCHANAN
- 10 LEWIS / CLARK
- 11 NODAWAY / HOLT

- SALINE / PETTIS
 JOHNSON* / LAFAYETTE*
- MADISON STE. GENEVIEVE / PERRY
- 14 DADE / POLK / DALLAS
- TEXAS / HOWELL SHANNON / OREGON RIPLEY / CARTER

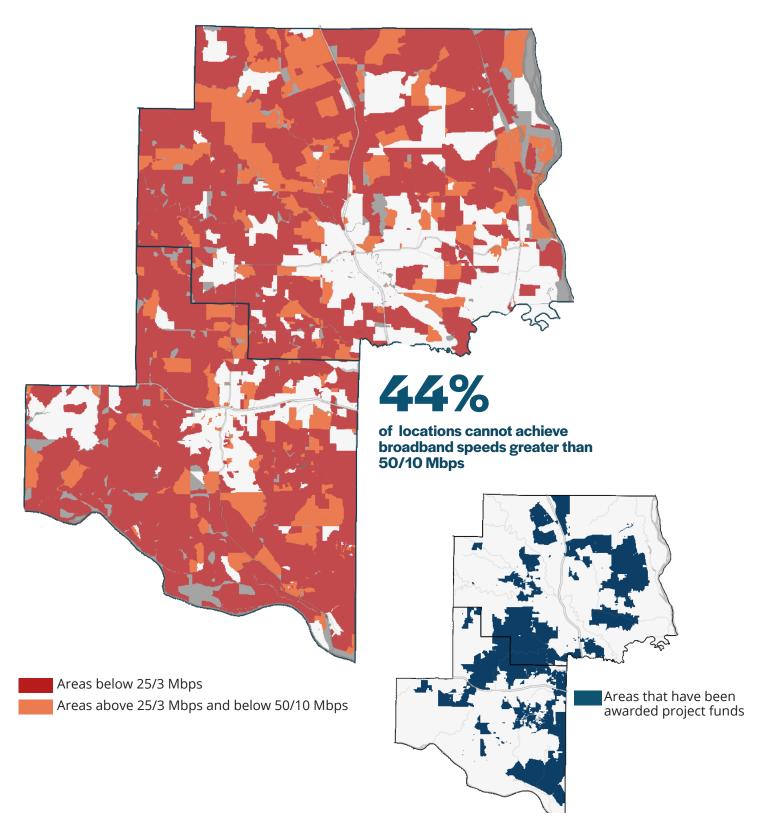
Project Cluster - Boonslick Regional Planning Commission



Lincoln / Warren___

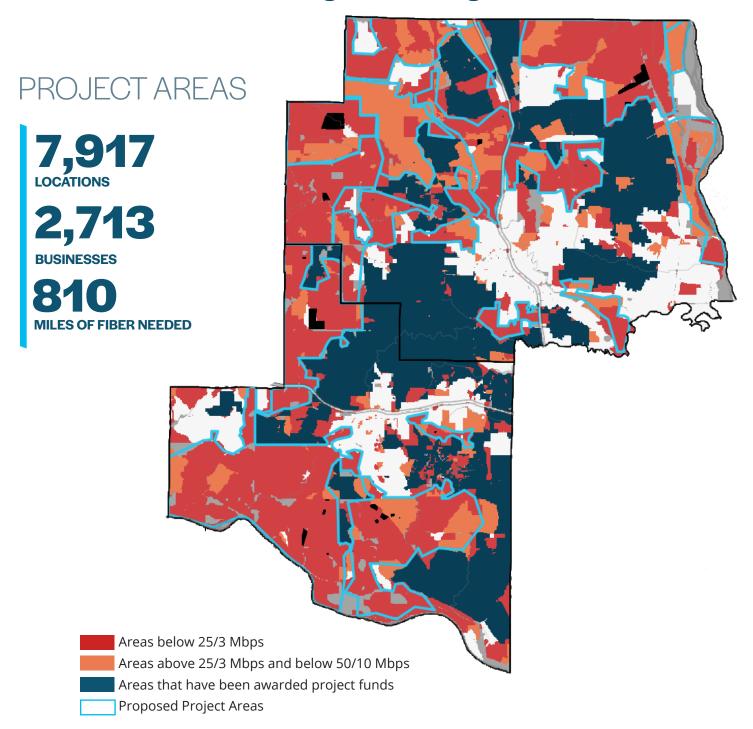
Project Cluster - Boonslick Regional Planning Commission

PROJECT PLANNING



Lincoln / Warren_

Project Cluster - Boonslick Regional Planning Commission



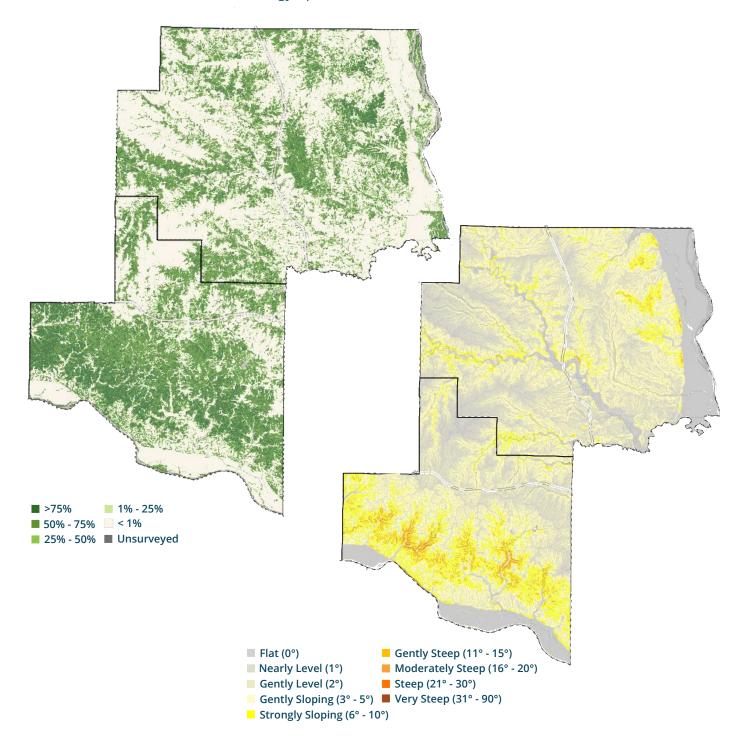
Investment Range = \$72 - \$159 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

Lincoln / Warren Project Cluster

PLANNING CONSIDERATIONS

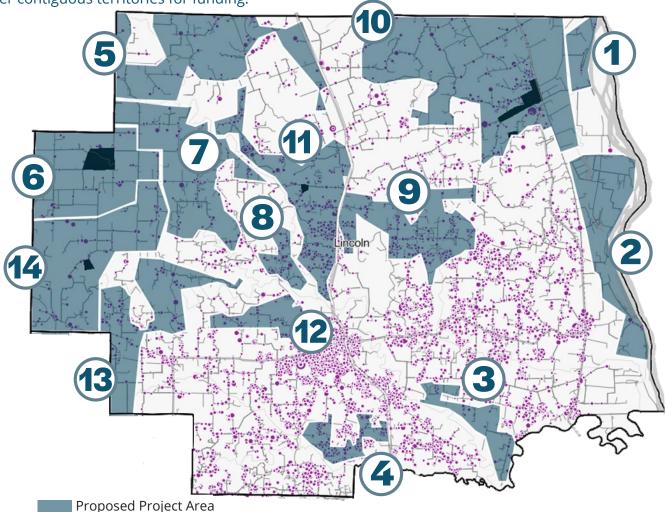
Rugged terrain and dense canopy cover can impact deployment costs, route considerations and technology options.



LINCOLN COUNTY ___

PROJECT AREAS

Much of western Lincoln County currently is un/underserved and unfunded. With a relatively high population density, ISP interest in this territory is likely to be higher than in more sparsely populated parts of the state. Also, this higher density allowed creation of multiple small project areas. Depending on funding sources and ISP investment appetite, multiple small areas can easily be combined to create larger contiguous territories for funding.



Business Locations [the larger the dot, the greater the broadband demand]

531 fiber miles

5,448
locations

1,912 business locations

10.3 locations per mile

INVESTMENT = \$47 - \$104 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

LINCOLN COUNTY __

PROJECT DETAILS

AFRIAL

\$826K - \$1.1M **COST TO PASS**

ISP INVESTMENT \$198K - \$792K

\$34.8K - \$908K

\$6-\$153

UNDERGROUND

\$1.1M - \$1.8M

\$198K - \$792K

\$289K-\$1.6M

\$49-\$4273

fiber miles

locations

locations per mile

AERIAL

\$2.5M - \$3.3M **COST TO PASS**

\$88K-\$352K

\$2.1M - \$3.2M

\$808 - \$1,225

ISP INVESTMENT

FUNDING GAP

FUNDING GAP

annual cost per location

over 30 years

annual cost per location over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

UNDERGROUND

\$3.3M - \$5.5M

\$88K-\$352K

\$2.9M - \$5.4M

\$1,097-\$2,035

fiber miles

locations



AFRIAL

\$1.1M - \$1.5M

\$114K - \$456K

\$637K-\$1.4M

\$186-\$394

UNDERGROUND

\$1.4M - \$2.4M

\$114K - \$456K

\$975K - \$2.3M

\$285-\$670

fiber miles

locations

locations per mile



AERIAL

\$1.7M - \$2.3M **COST TO PASS**

\$373K - \$1.5M

\$245K - \$1.9M

\$22-\$174

\$2.7M - \$3.8M

\$373K - \$1.5M

fiber miles



ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$780K - \$3.5M

\$70-\$308

LINCOLN COUNTY __

PROJECT DETAILS



AFRIAL

\$3.9M - \$5.3M **COST TO PASS**

\$203K - \$812K

\$3.1M - \$5.1M

\$513 - \$831

UNDERGROUND

\$5.2M - \$8.7M

ISP INVESTMENT \$203K - \$812K

FUNDING GAP

annual cost per location

over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

\$4.3M - \$8.4M

\$712-\$1,387

fiber miles

locations

locations per mile



AFRIAL

\$3.7M - \$5M

\$177K - \$708K

\$3M-\$4.8M

\$570-\$907

UNDERGROUND

\$4.9M - \$8.2M

\$177K - \$708K

\$4.2M - \$8M

\$787-\$1.513

fiber miles

locations per mile



AERIAL

\$5M - \$6.7M

\$251K - \$1M

\$4M-\$6.4M

\$529-\$852

UNDERGROUND

\$6.5M - \$11M

\$251K - \$1M

\$5.5M - \$10.7M

\$732-\$1.421

fiber miles

locations per mile

LINCOLN COUNTY __

PROJECT DETAILS

AFRIAL

\$1M-\$1.4M **COST TO PASS**

FUNDING GAP

annual cost per location

over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

ISP INVESTMENT \$159K - \$636K

\$413 - \$1.2M

\$87-\$261

UNDERGROUND

\$1.4M - \$2.3M

\$159K - \$636K

\$736K - \$2.2M

\$154 - \$450

fiber miles

locations

locations per mile

AERIAL

\$4.4M - \$5.9M

\$959K - \$3.8M

\$582K - \$5M

\$20-\$172

UNDERGROUND

\$5.8M - \$9.7M

\$959K - 3.8M

\$1.9M - \$8.8M

\$68-\$304

locations

locations per mile



AFRIAL

\$9.4M - \$12.5M

\$1.4M - \$5.7M

\$3.7M - \$11M

\$85-\$258

UNDERGROUND

\$12.3M - \$20.6M **COST TO PASS**

\$1.4M-\$5.7M

\$6.5M - \$19.2M

\$152-\$446

fiber miles

locations

locations per mile



AFRIAL

\$5.3M - \$7M

\$1.9M - \$6.2M

\$80-\$252

UNDERGROUND

\$6.9M - \$11.6M

\$822K - \$3.3M

\$3.6M - \$10.7M

fiber miles

locations per mile

\$822K - \$3.3M **ISP INVESTMENT**

annual cost per location over 30 years

FUNDING GAP

COST TO PASS

LINCOLN COUNTY.

PROJECT DETAILS

AERIAL

COST TO PASS

\$166K - \$664K **ISP INVESTMENT**

\$387K - \$1.2M

\$1.1M - \$1.4M

\$78-\$249

FUNDING GAP

annual cost per location over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$1.4M - \$2.3M

\$166K-\$664K

\$712K - \$2.2M

\$143-\$431

fiber miles

locations

locations per mile

AERIAL

\$3M - \$4M

\$285K - \$1.1M

\$1.8M - \$3.8M

\$221-\$440

UNDERGROUND

\$4M-\$6.7M

\$285K - \$1.1M

\$2.8M - \$6.4M

\$330-\$745

fiber miles

locations

locations per mile

AERIAL

\$4.3M - \$5.7M

ISP INVESTMENT

\$3.4M - \$5.5M

\$219K - \$876K

\$518-\$838

COST TO PASS

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$5.6M - \$9.4M

\$219K - \$876K

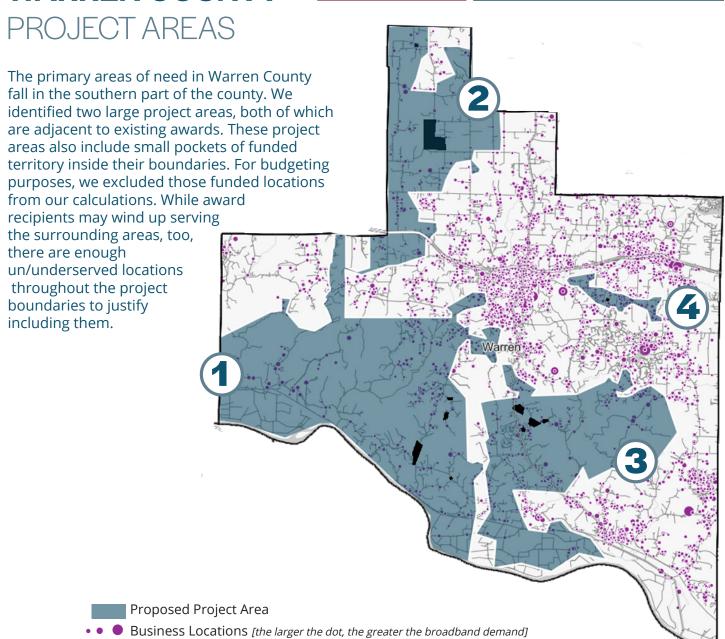
\$4.7M - \$9.2M

\$719-\$1,399

locations

locations per mile

WARREN COUNTY



279 fiber miles

2,469 locations

801 business locations

42 ocations per mile

INVESTMENT = \$25 - \$55 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix1 and 2.

WARREN COUNTY

PROJECT DETAILS

AFRIAL

\$12.3M - \$16.4M

\$1M-\$4.2M

\$8.1M - \$15.4M

\$259-\$492

UNDERGROUND

\$16M-\$27M

\$1M - \$4.2M

\$11.9M - \$26M

\$380-\$830

fiber miles

locations

locations per mile

AFRIAL

\$4.1M - \$5.5M

\$315K - \$1.3M

\$2.9M - \$5.2M

\$304-\$551

COST TO PASS

ISP INVESTMENT

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$5.4M - \$9.1M

\$315K - \$1.3M

\$4.2M - \$8.8M

\$439 -\$928

46

fiber miles

locations

locations per mile



AFRIAL

\$7.5M-\$10M

\$845K - \$3.4M

\$4.1M - \$9.2M

\$162-\$362

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$9.8M - \$16.5M

\$845K-\$3.4M

\$6.4M - \$15.6M

\$254-\$617

fiber miles

locations

locations per mile



AFRIAL

\$942K - \$1.3M

\$268K - \$1.1M

\$674K-\$992K

\$84-\$123

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$1.2M - \$2M

\$268K - \$1.1M

\$1.1M - \$1.9M

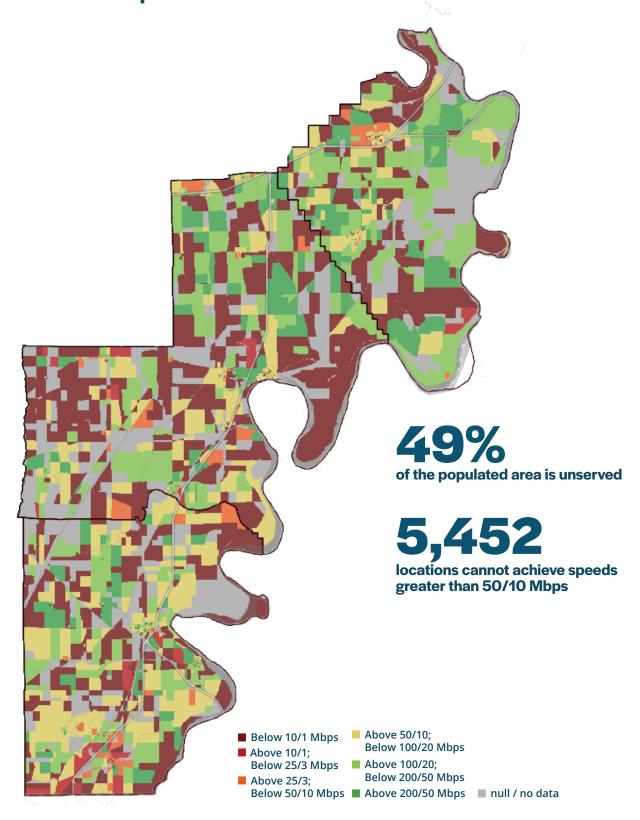
\$20-\$224

fiber miles

locations per mile

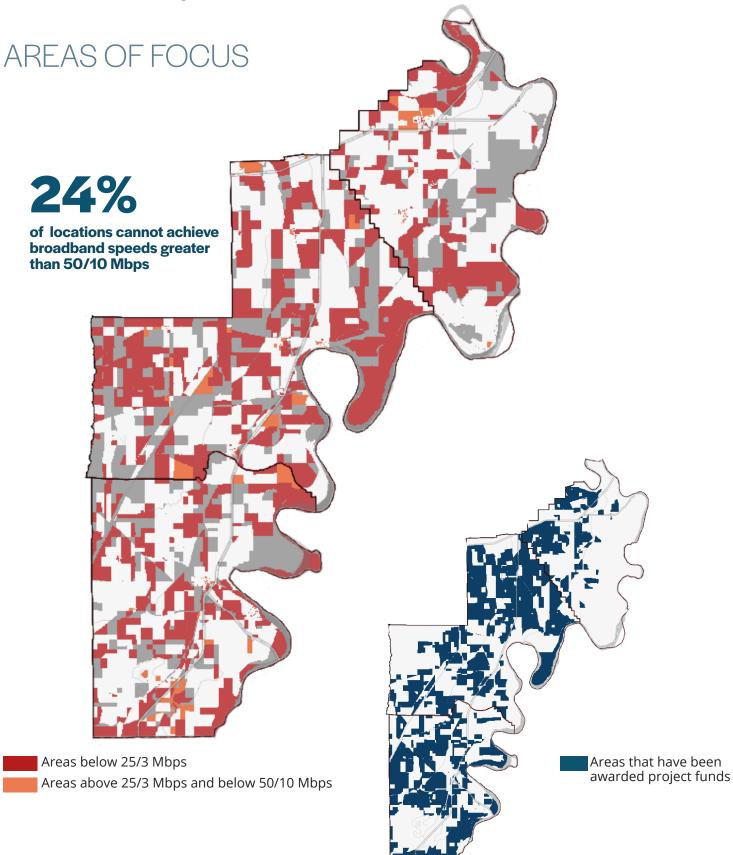
Pemiscot/ New Madrid / Mississippi

Project Cluster - Bootheel Regional Planning Economic Development Commission



Pemiscot/ New Madrid / Mississippi,

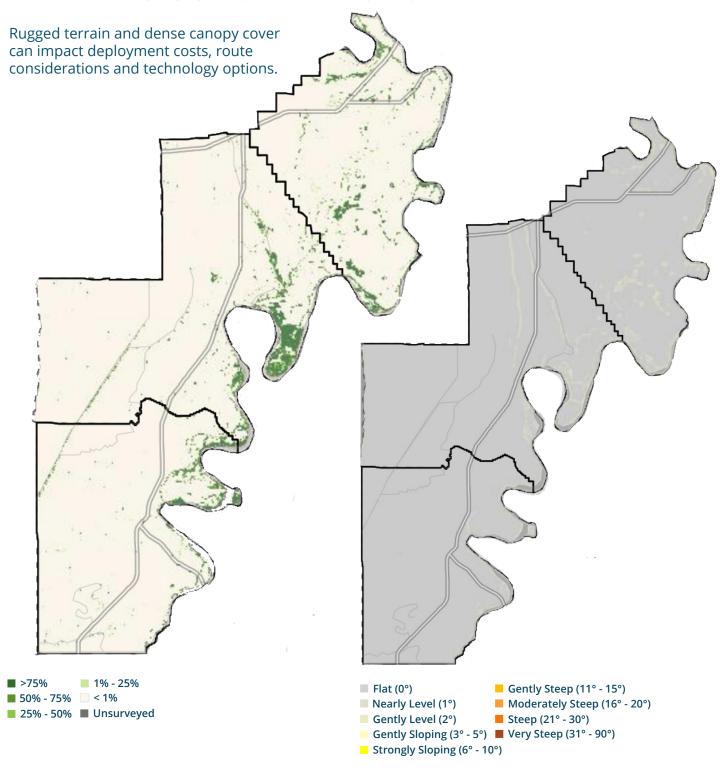
Project Cluster • Bootheel Regional Planning Economic Development Commission



Pemiscot/ New Madrid / Mississippi,

Project Cluster - Bootheel Regional Planning Economic Development Commission

PLANNING CONSIDERATIONS



Pemiscot/ New Madrid / Mississippi

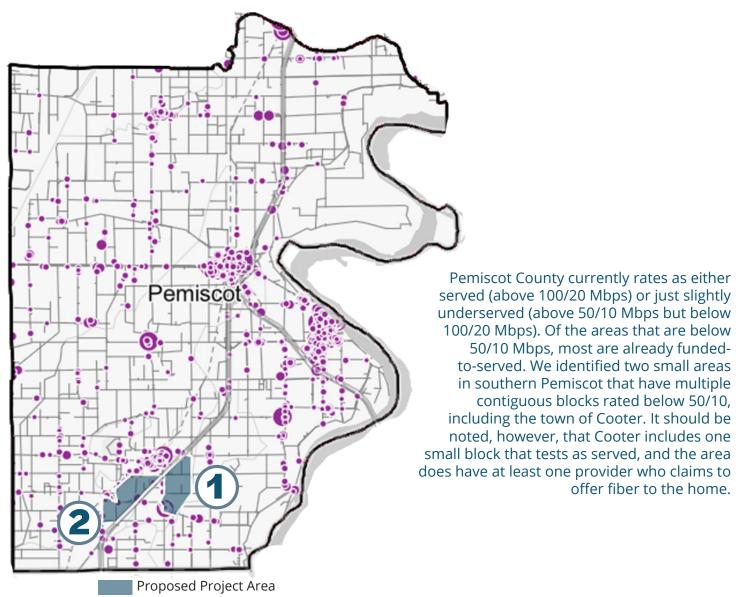
Project Cluster - Bootheel Regional Planning Economic Development Commission PROJECT AREAS **BUSINESSES** FIBER NEEDED Areas below 25/3 Mbps Areas above 25/3 Mbps and below 50/10 Mbps Areas that have been awarded project funds **Proposed Project Areas**

Investment Range = \$11.8 - \$26 million

^{*}Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

PEMISCOT COUNTY.

PROJECT AREAS



Business Locations [the larger the dot, the greater the broadband demand]

25 297 locations

63
business locations

12.1 ocations per mile

INVESTMENT = \$2.2 - \$4.9 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

PEMISCOT COUNTY_

PROJECT DETAILS

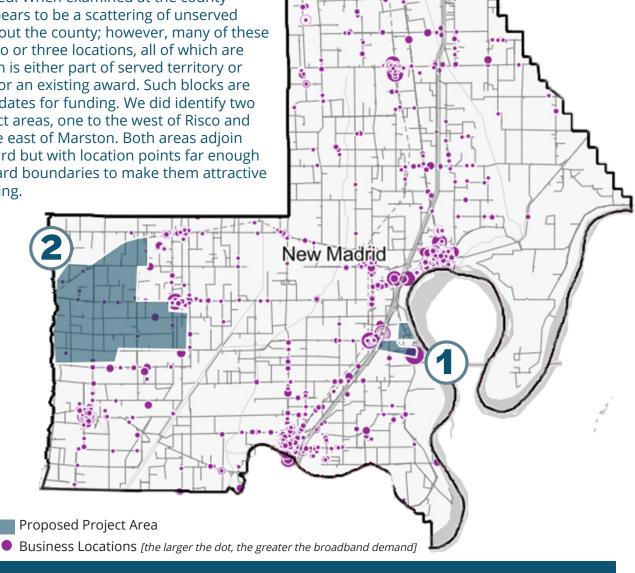




NEW MADRID COUNTY.

PROJECT AREAS

Most of New Madrid County is either served or funded-to-served. When examined at the county level, there appears to be a scattering of unserved blocks throughout the county; however, many of these contain only two or three locations, all of which are on a road which is either part of served territory or the boundary for an existing award. Such blocks are not good candidates for funding. We did identify two potential project areas, one to the west of Risco and the other to the east of Marston. Both areas adjoin an existing award but with location points far enough from those award boundaries to make them attractive for future funding.



fiber miles

business locations

locations per mile

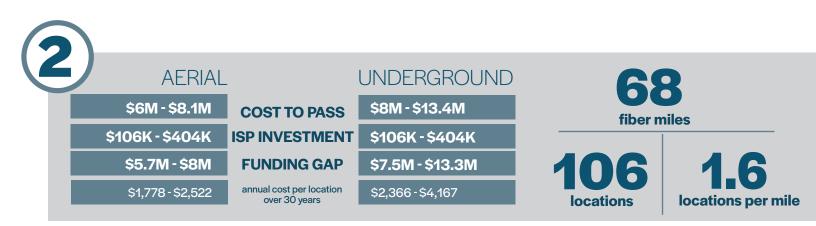
INVESTMENT = \$7.4 - \$16.2 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

NEW MADRID COUNTY

PROJECT DETAILS

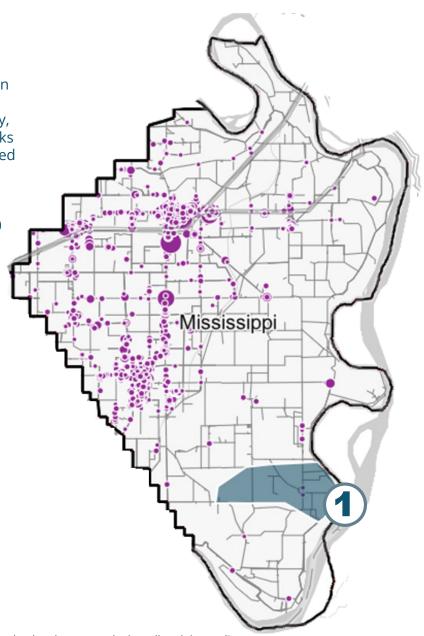




MISSISSIPPI COUNTY.

PROJECT AREA

Despite low population density, the eastern two thirds of Mississippi County rates as well served. In the remainder of the county, almost all underserved and unserved blocks have received funding already. We identified one area near Towosahagy State Historic Site as a possibility for future funding; however, with less than one location per mile the area will require at least \$170,000 per location in subsidy. It still may be possible to serve this area, given that it is bordered on the north and south by low density, well served blocks."



Proposed Project Area

Business Locations [the larger the dot, the greater the broadband demand]

fiber miles

business locations

locations per mile

INVESTMENT = \$2.2 - \$4.9 million

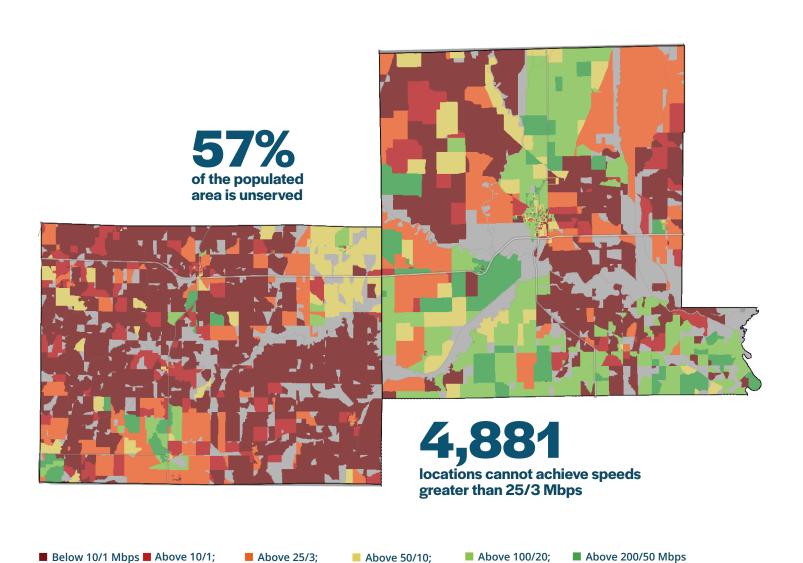
*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

MISSISSIPPI COUNTY_

PROJECT DETAILS



Project Cluster - Green Hills Regional Planning Commission



■ null / no data

Below 25/3 Mbps Below 50/10 Mbps Below 100/20 Mbps Below 200/50 Mbps

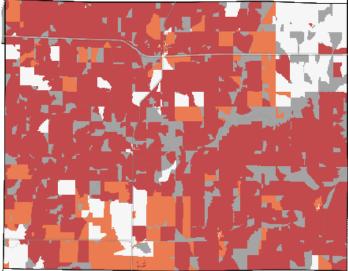
Caldwell / Livingston_

Project Cluster • Green Hills Regional Planning Commission

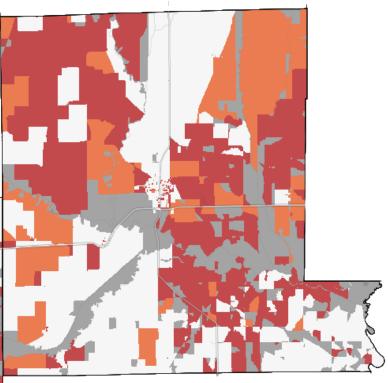
AREAS OF FOCUS

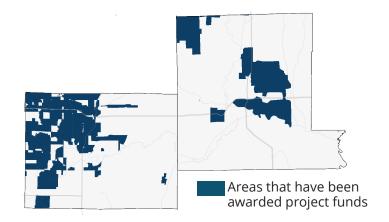
56%

of locations cannot achieve broadband speeds greater than 50/10 Mbps





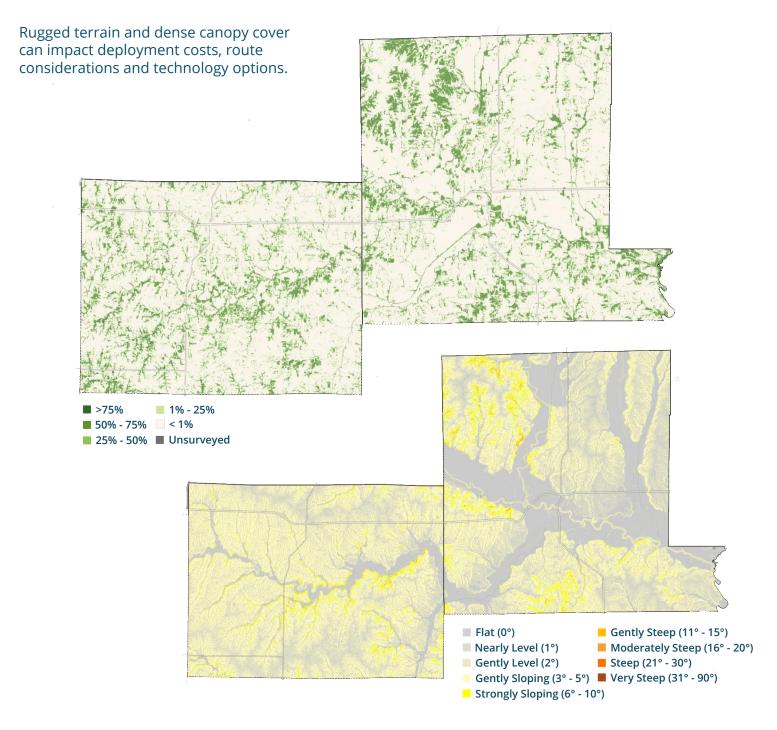




Caldwell / Livingston_

Project Cluster - Green Hills Regional Planning Commission

PLANNING CONSIDERATIONS



Caldwell / Livingston _____

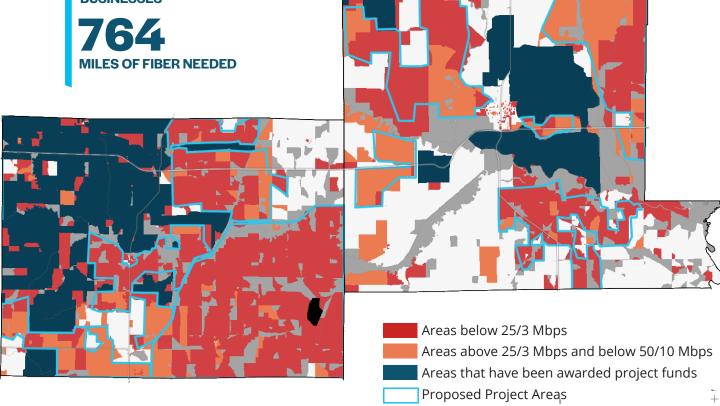
Project Cluster - Green Hills Regional Planning Commission

PROJECT AREAS

2,906LOCATIONS

916

BUSINESSES



Investment Range = \$68 - \$149.5 million⁺

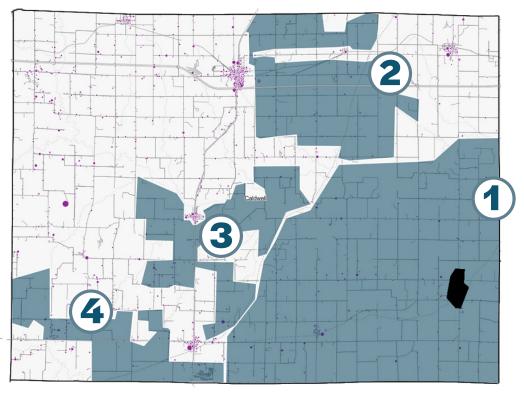
*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

† The Investment range for this cluster area may be lower; due to carrier electing to participate in E-ACAM that can impact eligibility for BEAD funding

CALDWELL COUNTY_

PROJECT AREAS

The northwestern portions of Caldwell County currently are funded-to-served, while the areas around Breckenridge and Polo currently test well enough that we do not recommend any funding in those areas. The remaining parts of the county mostly rate below 25/3 Mbps with isolated blocks testing above 25/3 but still below 50/3 Mbps. For ease of planning, we divided this territory into four separate project areas. All of these areas share at least one boundary. If sufficient funding is available, one or more of these areas could be combined to form a single, larger project area. It should be noted that area #1 includes some funded blocks. We excluded those locations from our budget estimates.



Proposed Project Area Funded or served excluded from calculation

Business Locations [the larger the dot the greater the broadband demand]

fiber miles

1,873

529 business locations

4.3 locations per mile

INVESTMENT = \$39 - \$86 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

CALDWELL COUNTY.

PROJECT DETAILS

1

*This project area may be partially impacted by E-ACAM Carrier participation, and some locations may not be eligible for BEAD funding.

AFRIAL

\$22.2M-\$29.6M

\$1.1M - \$4.4M ISP INVESTMENT

\$17.8M - \$28.5M

\$546-\$875

UNDERGROUND

\$29M-\$47.6M

\$1.1M - \$4.4M

\$24.6M - \$47.6M

\$755 - 1.460

249

fiber miles

1,087

4.4 locations per mile

2

*This project area may be partially impacted by E-ACAM Carrier participation, and some locations may not be eligible for BEAD funding.

AFRIAL

\$7.7M-\$10.3M

\$181K - \$724K

\$7M-\$10.1M

\$1,287 - \$1,866

UNDERGROUND

\$10.1M-\$17M

\$181K - \$724K

\$9.4M - \$16.8M

\$1,724 - \$3,088

87

fiber miles

181

2.1 locations per mile

3

*This project area may be partially impacted by E-ACAM Carrier participation, and some locations may not be eligible for BEAD funding.

AFRIAL

\$4.6M-\$6.2M

\$158K - \$632K

\$4M-\$6M

\$844-\$1.274

COST TO PASS
ISP INVESTMENT

COST TO PASS

FUNDING GAP

annual cost per location

over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

FUNDING GAP

annual cost per location over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

UNDERGROUND

\$6.1M - \$10.2M

\$158K - \$632K

\$5.4M - \$10M

\$1,145 - \$2,115

52

fiber miles

158 locations

3.0 locations per mile

4

*This project area may be partially impacted by E-ACAM Carrier participation, and some locations may not be eligible for BEAD funding.

AERIAL

\$4.7M-\$6.3M

\$447K - \$1.8M

\$2.9M-5.9M

\$218 - \$436

UNDERGROUND

\$6.2M - \$10.4MK

\$447K - \$1.8M

\$4.4M - \$9.9MK

\$326-\$738

53

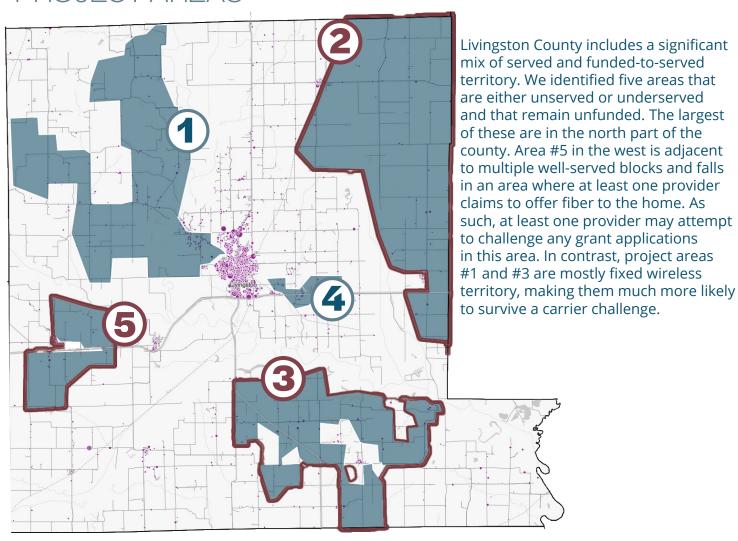
fiber miles

447

8.5

LIVINGSTON COUNTY_

PROJECT AREAS



Proposed Project Area

• • Business Locations [the larger the dot the greater the broadband demand]

#Proposed Project Areas fully impacted by E-ACAM

109 fiber miles

497

198
business locations

4.5 ocations per mile

INVESTMENT = \$9.8 - \$21.4 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

LIVINGSTON COUNTY_

PROJECT DETAILS

1

*This project area may be partially impacted by E-ACAM Carrier participation, and some locations may not be eligible for BEAD funding.

AERIAL

\$8.8M-\$11.7M **COST TO PASS**

FUNDING GAP

annual cost per location

over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

\$440K - \$1.8M ISP INVESTMENT

\$7M - \$11.3M

\$530-\$853

UNDERGROUND

\$11.5M - \$19.2M

\$440K-\$1.8M

\$9.7M - \$18.8M

\$734 - \$1,424

98

fiber miles

440

4.5 locations per mile

2

*This project area has been removed from the county overall calculations due to E-ACAM Carrier participation

AFRIAL

7 (=1 (1) (1

\$9.7M-\$12.9M

\$251K - \$1M

\$8.6M - \$12.7M

\$1,148 - \$1,680

UNDERGROUND

\$12.6M - \$21.2M

\$251K - \$1M

\$11.6M - \$21M

\$1,542 - \$2,782

108
fiber miles

251

2.3 locations per mile

(3)

*This project area has been removed from the county overall calculations due to E-ACAM Carrier participation

AERIAL

\$7.5M-\$10M COST TO PASS

\$213K - \$852K

. .

\$6.6M - \$9.8M

\$1,035 - \$1,528

UNDERGROUND

\$9.8M - \$16.4M

\$213K - \$852K

\$8.9M - \$16.2M

\$1,394 - \$2,534

84

fiber miles

213
locations

2.5 locations per mile

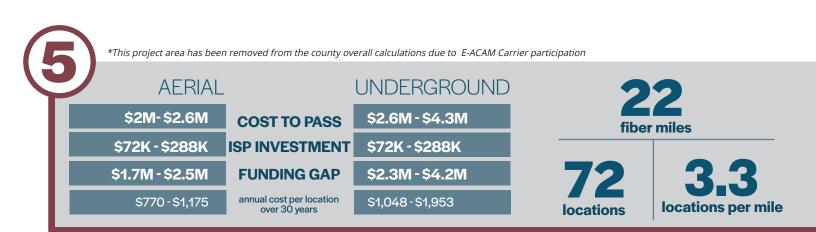
ISP INVESTMENT

FUNDING GAP

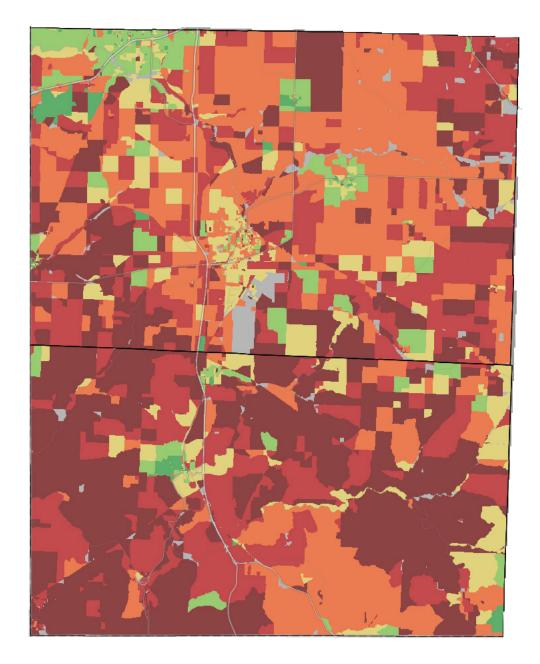
LIVINGSTON COUNTY_

PROJECT DETAILS





Project Cluster • Harry S. Truman Coordinating Council



64% of the populated area is unserved

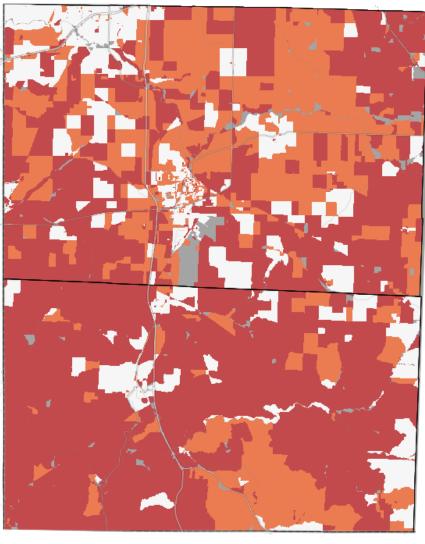
14,876 locations cannot achieve speeds greater than 25/3 Mbps

- Below 10/1 Mbps
- Above 10/1;
 - Below 25/3 Mbps
- Above 25/3;
- Below 50/10 Mbps
- Above 50/10;
- Below 100/20 Mbps
- Above 100/20; Below 200/50 Mbps
- Above 200/50 Mbps
- null / no data

Newton / McDonald _____

Project Cluster • Harry S. Truman Coordinating Council

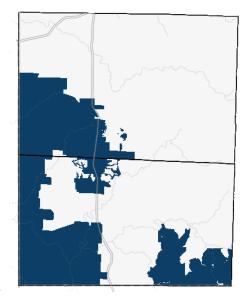
AREAS OF FOCUS



62%

of locations cannot achieve broadband speeds greater than 50/10 Mbps

Areas below 25/3 Mbps
Areas above 25/3 Mbps and below 50/10 Mbps



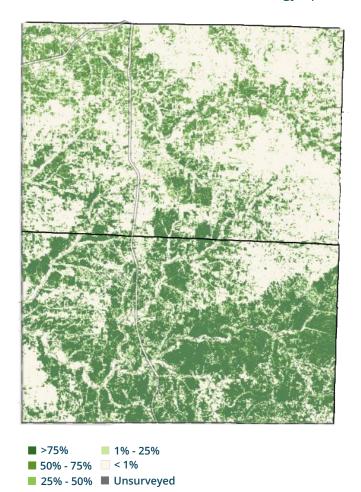
Areas that have been awarded project funds

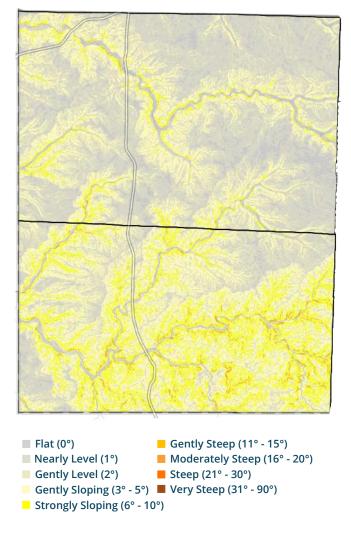
Newton / McDonald

Project Cluster • Harry S. Truman Coordinating Council

PLANNING CONSIDERATIONS

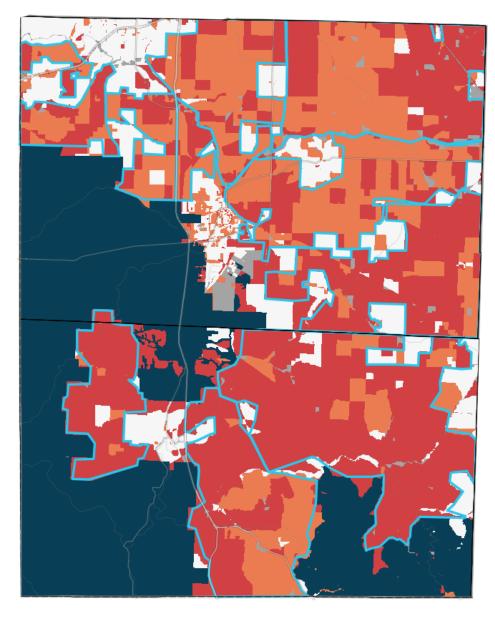
Rugged terrain and dense canopy cover can impact deployment costs, route considerations and technology options.





Newton / McDonald ____

Project Cluster • Harry S. Truman Coordinating Council



PROJECT AREAS

10,801 LOCATIONS 3,983 BUSINESSES 1334



Investment Range = \$118.8 - \$261 million[†]

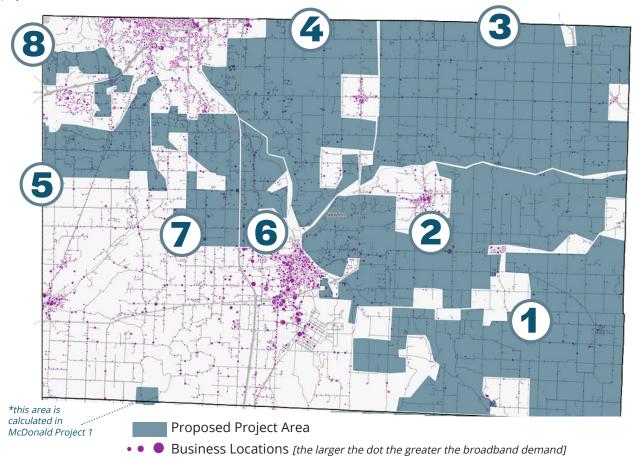
*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

† The Investment range for this cluster area may be lower; due to carrier electing to participate in E-ACAM that can impact eligibility for BEAD funding

NEWTON COUNTY

PROJECT AREAS

Newton County has significant un/underserved territory in the eastern half of the county and to the south of the Joplin metro area, while the southwestern quadrant is funded-to-served. Underserved areas that rate above 25/3 Mbps but below 50/10 Mbps correspond closely with ISP claims of fiber to the home, while areas that rate below 25/3 correspond with territories claimed by either fixed wireless or DSL providers. Four of our project areas include at least some territory that has been claimed as fiber but which rates below 50/10 Mbps. As such, these areas may be more likely to receive carrier challenges during the funding process. The project areas surrounding Diamond and Granby have the highest percentage of claimed fiber while the area in the southeastern corner and the two to the south of Joplin have the least.



INVESTMENT = \$75.9 - \$166.7 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

NEWTON COUNTY

PROJECT DETAILS

*This project area may be partially impacted by E-ACAM Carrier participation, and some locations may not be eligible for BEAD funding.

AFRIAL

\$15.3M-\$20.5M **COST TO PASS**

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

\$1M - \$4.2M

\$11M - \$19.4M

\$347-\$610

UNDERGROUND

\$20M - \$33.6M

\$1M-\$4.2M

\$15.7M - \$32.6M

\$496-\$1,023

172

AFRIAL

\$15.1M-\$20.2M

\$1.5M - \$6M

\$9.2M - \$18.7M

\$206-\$421

UNDERGROUND

\$19.8M - \$33.2M

\$1.5M - \$6M

\$13.8M - \$31.7M

\$311-\$713

fiber miles

locations per mile

AFRIAL

\$18.9M-\$25.3M

\$1.1M - \$4.5M

\$14.5M - \$24.2M

\$431-\$722

UNDERGROUND

\$24.8M - \$41.6M

\$1.1M - \$4.5M

\$20.3M - \$40.5M

\$605-\$1,207

213

fiber miles

locations

locations per mile

AFRIAL

\$10.8M-\$14.4M

\$1M - \$4.3M

\$6.5M - \$13.4M

\$201-\$413

COST TO PASS

ISP INVESTMENT

FUNDING GAP

UNDFRGROUND

\$14.1M - \$23.7M

\$1M - \$4.3M

\$9.8M - \$22.6M

\$304-\$701

locations per mile

annual cost per location over 30 years

NEWTON COUNTY_

PROJECT DETAILS

AFRIAL

\$4.4M-\$5.9M

\$764K-\$3M

\$1.3M - \$5.1M

\$58-\$223

UNDFRGROUND

\$5.7M - \$9.7M

\$764K-\$3M

\$2.7M - \$8.9M

\$117-\$387

locations

764 15.5 locations per mile

AFRIAL

\$3.2M-\$4.3M

\$410K - \$1.6M

\$1.6M-\$3.9M

\$127-\$315

COST TO PASS ISP INVESTMENT

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$4.2M - \$7M

\$410K - \$1.6M

\$2.6M - \$6.6M

\$207-\$539

fiber miles

locations

locations per mile

AFRIAL

\$5.8M-\$7.7M

\$815K - \$3.3M

\$2.5M - \$6.9M

\$102-\$281

COST TO PASS ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$7.5M - \$12.7M

\$815K - \$3.3M

\$4.3M - \$11.8M

\$175-\$484

fiber miles

locations per mile

\$2.4M-\$3.2M

\$389K - \$1.6M

\$803K - \$2.8M

\$69-\$237

AFRIAL

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$3.1M - \$5.2M

\$389K - \$1.6M

\$1.5M - \$4,8M

\$131-\$411

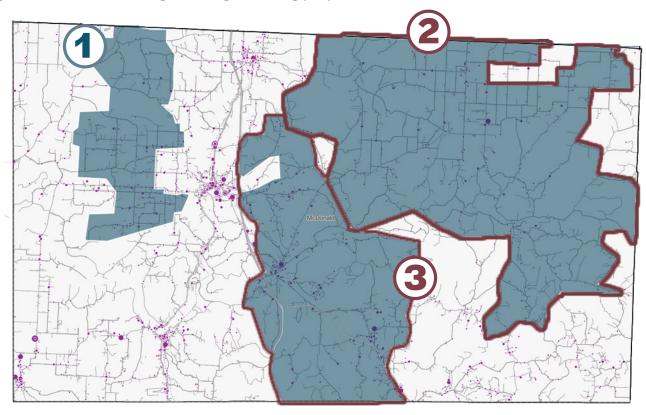
locations

locations per mile

MCDONALD COUNTY_

PROJECT AREAS

McDonald County has existing broadband awards in the west and southeastern parts of the county. Of the areas that remain un/underserved and unfunded, the largest are located east of US 71. Project areas #1 and #2 both currently show fixed wireless or DSL as their fastest technologies, while project area #3 includes many locations that were reported to the FCC as offering fiber to the home but which still rate as below 50/10 Mbps. As such, project area #3 may generate carrier challenges during a funding proposal.



- Proposed Project Area
- • Business Locations [the larger the dot the greater the broadband demand]
 - #Proposed Project Areas fully impacted by E-ACAM

77 fiber miles

606 locations

business locations

7.9 ocations per mile

INVESTMENT = \$6.8 - \$15 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

MCDONALD COUNTY___

PROJECT DETAILS

*This project area may be partially impacted by E-ACAM Carrier participation, and some locations may not be eligible for BEAD funding.

AFRIAL

\$6.9M-\$9.1M

\$606K-\$2.4M

\$4.4M - \$8.5M

COST TO PASS ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

\$242-\$469

UNDERGROUND

\$8.9M - \$15M

\$606K-\$2.4M

\$6.5M - \$14.4M

\$358-\$792

fiber miles

*This project area has been removed from the county overall calculations due to E-ACAM Carrier participation

AERIAL

\$21.8M-\$29M

\$1.6M - \$6.2M

\$15.5M - \$27.5M

\$14.3M-\$19.2M

\$332-\$588

UNDERGROUND

\$28.4M - \$47.8M

\$1.6M - \$6.2M

\$22.2M - \$46.2M

\$475-\$989

fiber miles

locations per mile

*This project area has been removed from the county overall calculations due to E-ACAM Carrier participation

AFRIAL

COST TO PASS

\$1.5M - \$6M **ISP INVESTMENT**

\$8.3M - \$17.6M **FUNDING GAP**

> annual cost per location \$181-\$387 over 30 years

UNDERGROUND

\$18.7M - \$31.5M

\$1.5M - \$6M

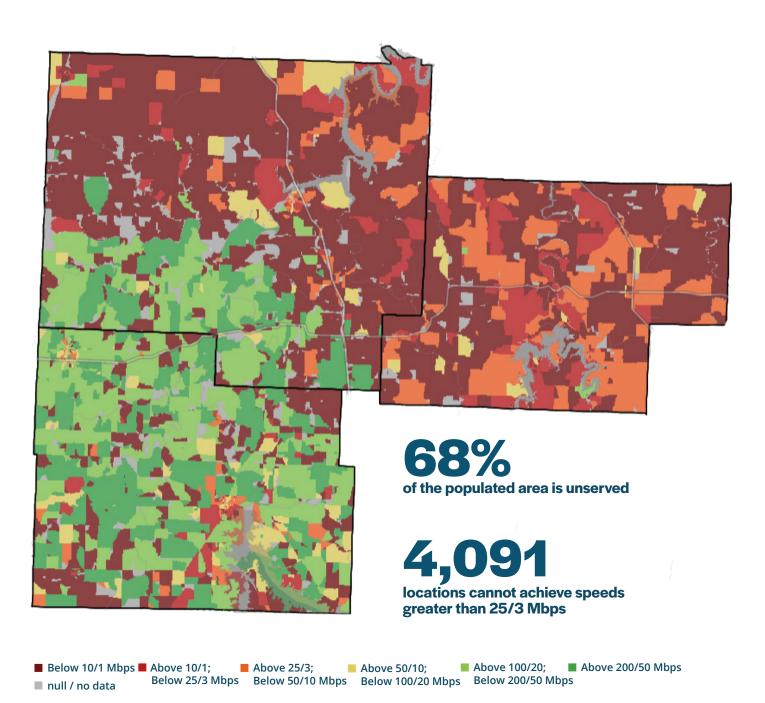
\$12.7M - \$30M

\$278-\$657

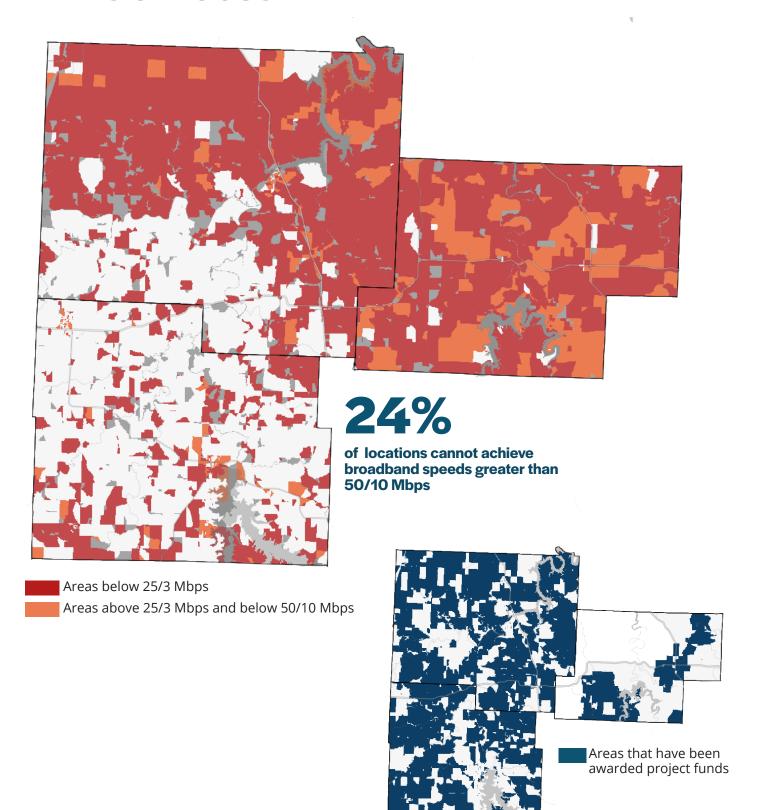
fiber miles

Proposed Project Area

Business Locations [the larger the dot the greater the broadband demand]



AREAS OF FOCUS

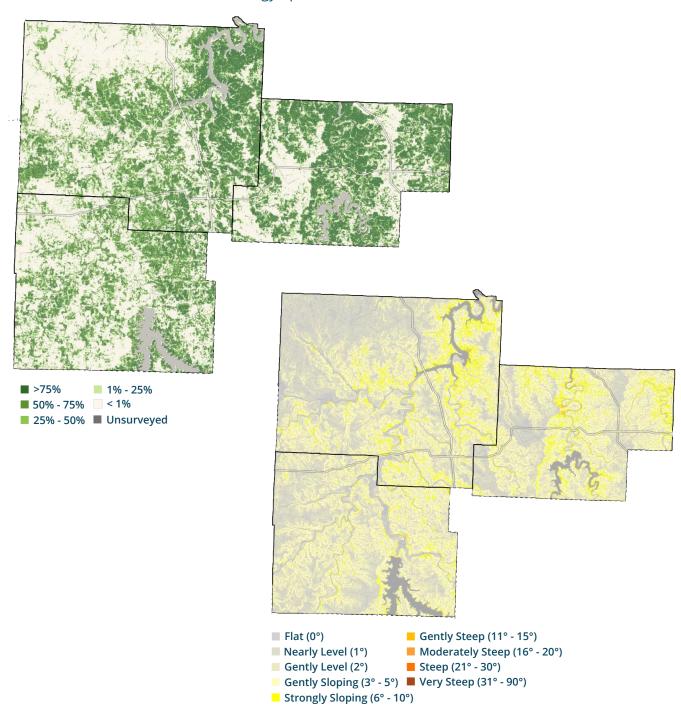


Hickory / Cedar / St. Clair_____

Project Cluster - Kaysinger Basin Regional Planning Commission

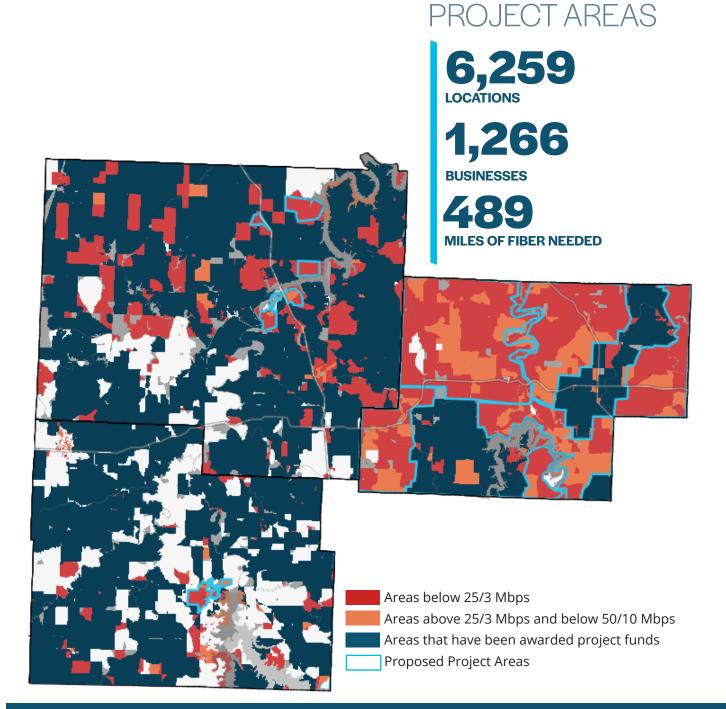
PLANNING CONSIDERATIONS

Rugged terrain and dense canopy cover can impact deployment costs, route considerations and technology options.



Hickory / Cedar / St. Clair______.

Project Cluster - Kaysinger Basin Regional Planning Commission



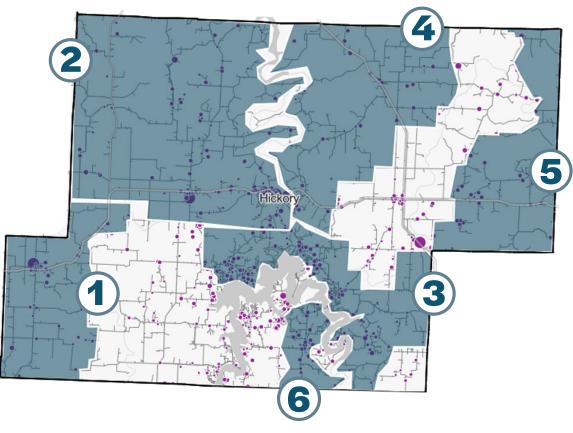
Investment Range = \$43.5 - \$95.6 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

HICKORY COUNTY

PROJECT AREAS

With the exception of funded areas in the northeast and southwest, Hickory County is mostly underserved/unserved. We identified six potential project areas in the county, divided roughly by geographic quadrants and by Pomme de Terre lake and the southern arm of Truman Reservoir. Most of these project areas can be combined with at least one other if funding is available. When considering such combinations, keep in mind that it can be difficult to cross a reservoir or river corridor with fiber. Thus, for example, it may make sense to keep area #6 near Pittsburg as its own project area.



Proposed Project Area

Business Locations [the larger the dot the greater the broadband demand]

433 fiber miles

4,653

656
business locations

10.7 locations per mile

INVESTMENT = \$38.6 - \$84.7 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix1 and 2.

HICKORY COUNTY

PROJECT DETAILS

AFRIAL

\$5.3M-\$7.1M **COST TO PASS**

\$426K - \$1.7M **ISP INVESTMENT**

annual cost per location

over 30 years

\$3.6M - \$7M **FUNDING GAP**

\$283-\$524

UNDFRGROUND

\$7M-\$11.7M

\$426K - \$1.7M

\$5.3M - \$11.3M

\$412-\$883

fiber miles

locations

locations per mile

AFRIAL

\$13.1M-\$17.5M **COST TO PASS**

\$1.2M - \$4.8M **ISP INVESTMENT**

\$8.3M - \$16.3M

\$229-\$451

UNDERGROUND

\$17.1M-\$28.8M

\$1.2M - \$4.8M

\$12.3M-\$27.6M

\$340-\$762

147

AERIAL

\$8.7M - \$11.6M

\$2M-\$7.9M

\$785K - \$9.7M

\$13-\$163

COST TO PASS

FUNDING GAP

annual cost per location over 30 years

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$11.4M - \$19.1M

\$2M-\$7.9M

\$3.5M - \$17.1M

\$58-\$289

fiber miles

locations

locations per mile

HICKORY COUNTY

PROJECT DETAILS



AERIAL

\$6.5M-\$8.7M **COST TO PASS**

\$451K - \$1.8M **ISP INVESTMENT**

FUNDING GAP

annual cost per location

over 30 years

\$4.7M - \$8.3M

\$349-\$612

UNDERGROUND

\$8.5M - \$14.3M

\$451K - \$1.8M

\$6.7M-\$13.9M

\$497-\$1,027

fiber miles

locations per mile



AFRIAL

\$3M-\$3.9 **COST TO PASS**

\$211K - \$844K **ISP INVESTMENT**

\$2.1M - \$3.7M

\$332-\$589

UNDERGROUND

\$3.9M - \$6.5M

\$211K - \$844K

\$3M - \$6.3M

\$476-\$990

fiber miles

locations per mile



AERIAL

\$2M-\$2.6

COST TO PASS

\$381K - \$1.5M

\$430K - \$2.2M

\$38-\$195

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$2.6M - \$4.3M

\$381K - \$1.5M

\$1M - \$3.9M

\$90-\$342

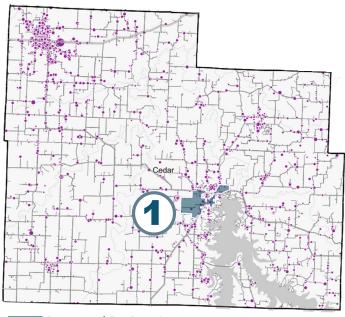
locations

locations per mile

CEDAR COUNTY_

PROJECT AREAS

Cedar County currently is one of the better served rural counties in the state, thanks in large part to a successful RDOF deployment by Connexon. Nearly all of the county now rates above 100/20 Mbps with many locations testing faster than 200/50 Mbps. Much of this change, especially in the southeastern half of the county, took place between May and July 2023. We did identify one small area surrounding the town of Stockton that still tests as underserved; however, this may change in the coming months, considering how quickly the surrounding area has gone from unserved to served.



- Proposed Project Area
- Business Locations [the larger the dot the greater the broadband demand]

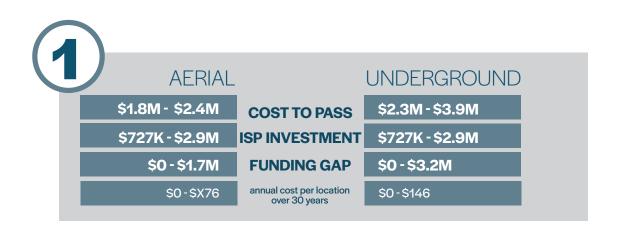
20 fiber miles

727 locations

307
business locations

36.3 locations per mile

INVESTMENT = \$1.8 - \$2.1 million

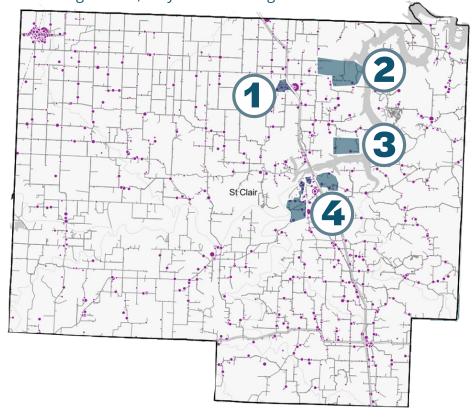


ST. CLAIR COUNTY_

PROJECT AREAS

Between a significant amount of existing funding and rural fiber to the home deployments, St. Clair County has only small pockets of remaining need. These include Lowry City and much of Osceola. While Lowry City does include two funded blocks, all of the other blocks there remain below 25/3 Mbps. In Osceola, speed ratings are mixed but remain low enough to justify seeking funding. The other two project areas are along the western shore of Truman Reservoir. While these areas are both adjacent to existing awards, they include enough unfunded addresses

to merit a possible funding application. It should be noted, however, that ISPs who receive funds to build in a particular area sometimes will deploy to locations just outside of those boundaries, especially if those locations are along a road that will already be receiving funds. This is why we did not draw small project areas around many of the unfunded blocks in the northern part of the county.



Proposed Project Area

• • Business Locations [the larger the dot the greater the broadband demand]

35 fiber miles

879
locations

303 business locations 24.9 locations per mile

INVESTMENT = \$3.1 - \$6.9 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

ST. CLAIR COUNTY

PROJECT DETAILS

AFRIAL

\$327K - 1.3M

\$1.1M-\$1.5M **COST TO PASS**

ISP INVESTMENT

over 30 years

\$0 - \$1.2M **FUNDING GAP**

> annual cost per location \$0-\$120

UNDERGROUND

\$1.5M - \$2.5M

\$327K - \$1.3M

\$167K - \$2.2M

\$17-\$219

fiber miles

locations

locations per mile

*In this area, density is high enough that an ISP may be willing to deploy with no subsidy.

AFRIAL

UNDERGROUND

\$11K-\$14K

COST TO PASS

\$14K - \$23.5K \$45K - 180K

\$45K-\$180K

ISP INVESTMENT FUNDING GAP

\$0

\$0 \$0

annual cost per location over 30 years

ISP INVESTMENT

FUNDING GAP annual cost per location

over 30 years

\$0

fiber miles

*In this area, density is high enough that an ISP may be willing to deploy with no subsidy.

AFRIAL

\$257K-\$344K **COST TO PASS**

\$22K - \$88K

\$169K - \$322K

\$256-\$488

UNDERGROUND

\$334K - \$565K

\$22K - \$88K

\$248K - \$543K

\$376-\$823

fiber miles

locations

locations per mile



AFRIAL

\$1.8M-\$2.3M **COST TO PASS**

\$485K - \$1.9M

\$0M - \$1.85M

\$0-\$127

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$2.3M - \$3.8M

\$485K - \$1.9M

\$344K-\$3.4M

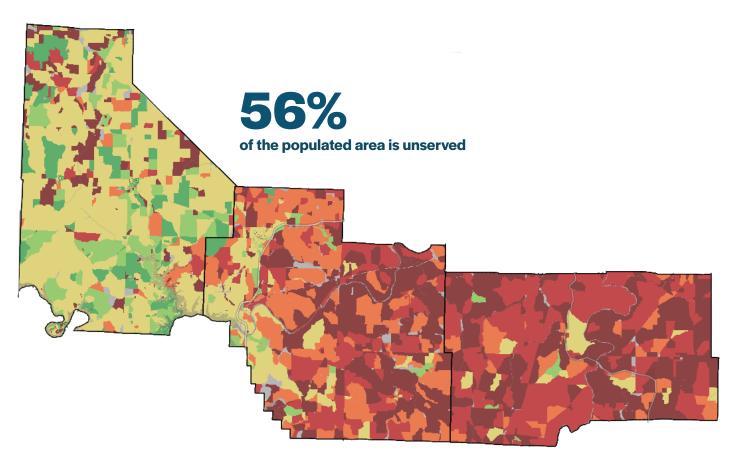
\$24-\$230

fiber miles

locations

locations per mile

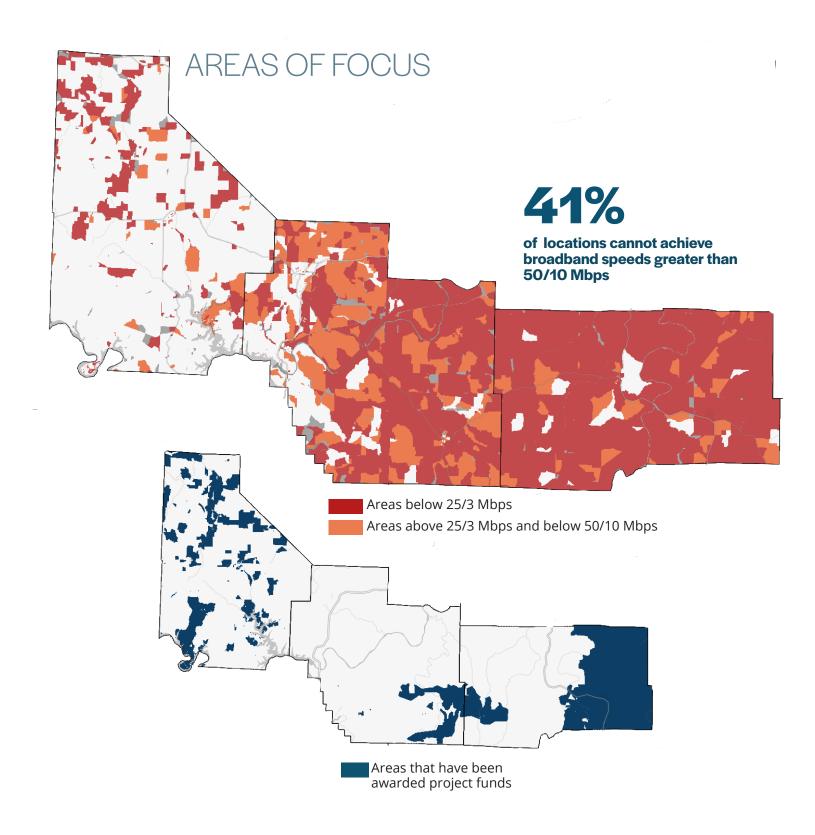
Meramec Regional Planning Commission



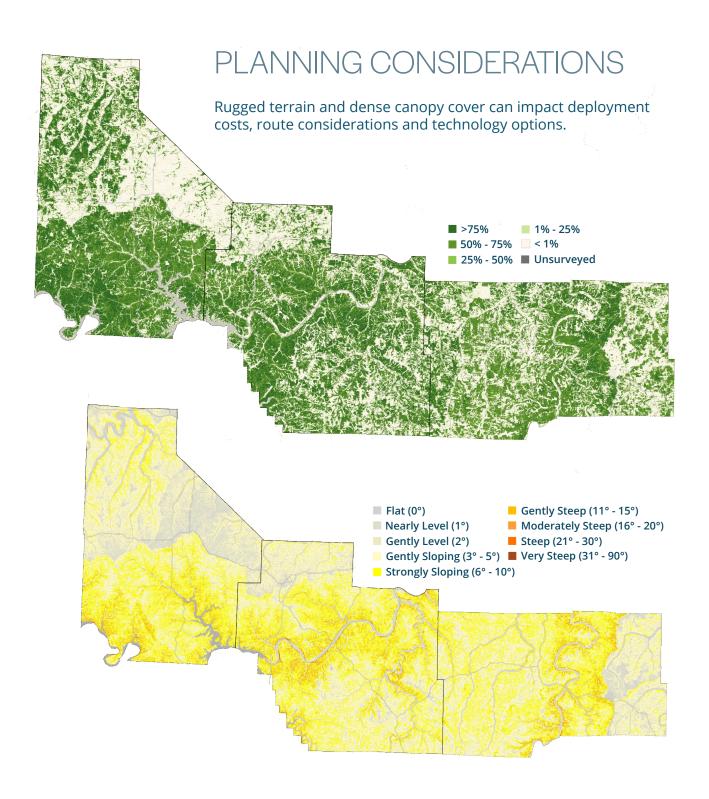
11,601 locations cannot achieve speeds greater than 25/3 Mbps



Meramec Regional Planning Commission

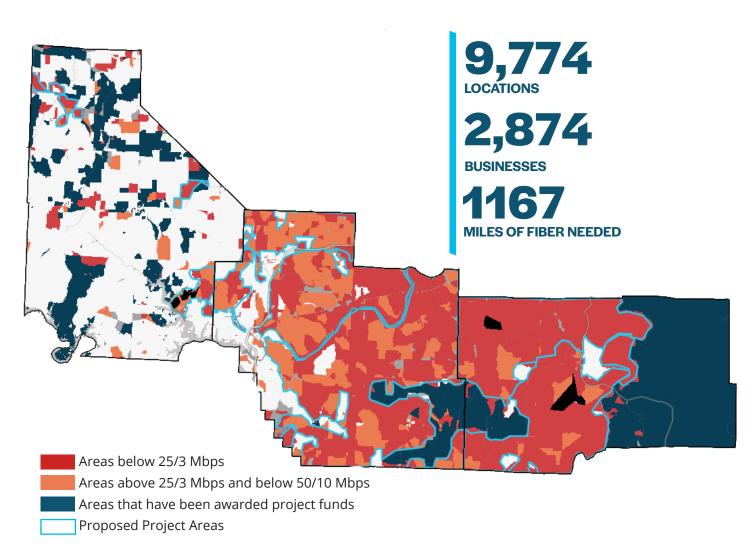


Meramec Regional Planning Commission



Meramec Regional Planning Commission

PROJECT AREAS

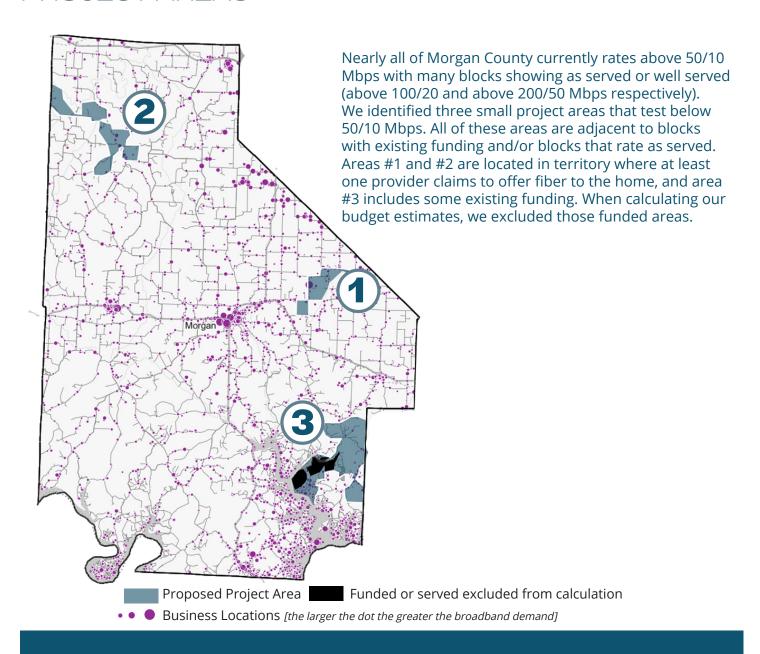


Investment Range = \$104 - \$228.7 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

MORGAN COUNTY_

PROJECT AREAS



89 fiber miles

1,156

257
business locations

13.1 locations per mile

INVESTMENT = \$7.9 - \$17.3 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

MORGAN COUNTY_

PROJECT DETAILS

1

AFRIAL

\$1.1M-\$1.4M

\$72K-\$288K

\$764K-\$13M

\$353 - 617

UNDERGROUND

\$1.4M - \$2.3M

\$72K-\$288K

\$1.1M - \$2.3M

\$503-\$1,036

12

fiber miles

72 locations

6.1 locations per mile

2

AERIAL

\$1.7M-\$2.3M

\$115K-\$460K

\$1.3M - \$.2M

\$372-\$642

UNDERGROUND

\$2.3M-\$3.8M

\$115K-\$460K

\$1.8M - \$3.7M

\$527 - \$1,077

20

115

5.9 locations per mile

3

AERIAL

\$5.1M-\$6.8M

D'QIAI

\$969K - \$3.9M

\$1.2M-\$5.8M

\$41-\$199

COST TO PASS

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP annual cost per location

over 30 years

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

6.6M - \$11.1M

\$969K-\$3.9M

\$2.7M - \$10.2M

\$94-\$349

57 fiber miles

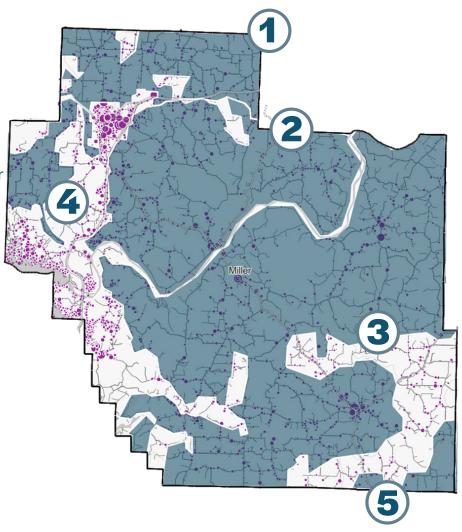
969 locations

17 locations per mile

MILLER COUNTY.

PROJECT AREAS

Most of Miller County currently is either unserved or underserved. The primary exception is in the east, where at least one provider claims to offer fiber to the home and where most blocks rate as either served or just slightly underserved. The county features one large existing award in the southeast and a handful of smaller awards near Brumley. We divided the remaining un/underserved/unfunded areas into 5 project outlines, divided by geographic features like the Osage River or existing railway lines. If sufficient funding is available, one or more of these projects could be combined into a larger area.



Proposed Project Area

Business Locations [the larger the dot the greater the broadband demand]

764
fiber miles

6,040 locations

2,020business locations

7_9 ocations per mile

INVESTMENT = \$68 - \$149.4 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

MILLER COUNTY_

PROJECT DETAILS

\$276-\$514

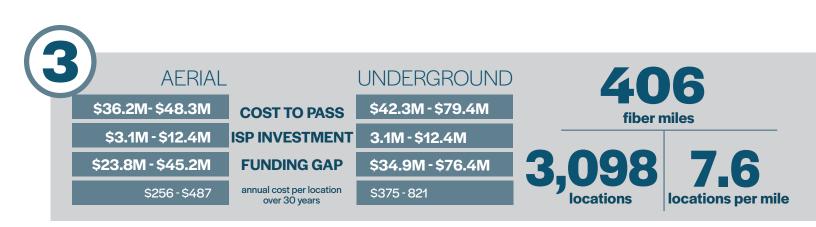


annual cost per location

over 30 years

AFRIAL UNDERGROUND \$15.9M-\$21.3M \$20.8M-\$35M **COST TO PASS** \$1.6M - \$6.4M **ISP INVESTMENT** \$1.6M - \$6.4M \$9.5M - \$19.7M \$14.4M - \$33.3M **FUNDING GAP** annual cost per location over 30 years \$200-\$412 \$303-\$699 locations per mile **locations**

\$402-\$866



locations per mile

locations

MILLER COUNTY_

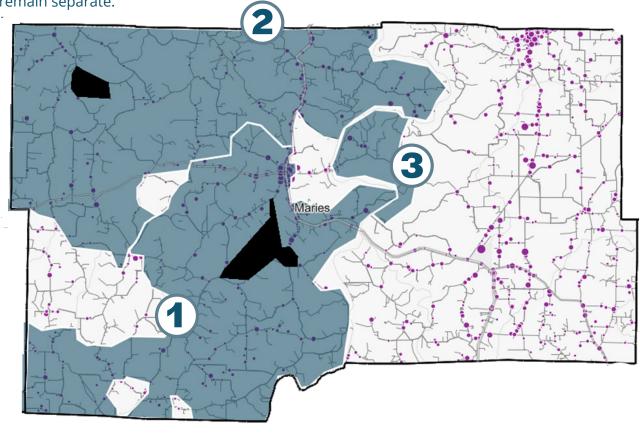




MARIES COUNTY

PROJECT AREAS

Except for a handful of blocks that rate above 50/10 Mbps, all of Maries County currently is unserved or underserved. Most of the county east of the Gasconade River has already received grant funding. In the west, a few awards will address some of the need; however, large areas remain unserved and unfunded. We divided this territory into 3 project areas. The two larger areas could be combined into a single project; however, depending on the presence or absence of existing river crossings, project 3 may need to remain separate.



Proposed Project Area Funded or served excluded from calculation

Business Locations [the larger the dot the greater the broadband demand]

317
fiber miles

2,578 locations

597 business locations

8.1 locations per mile

INVESTMENT = \$28.2 - \$62.1 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

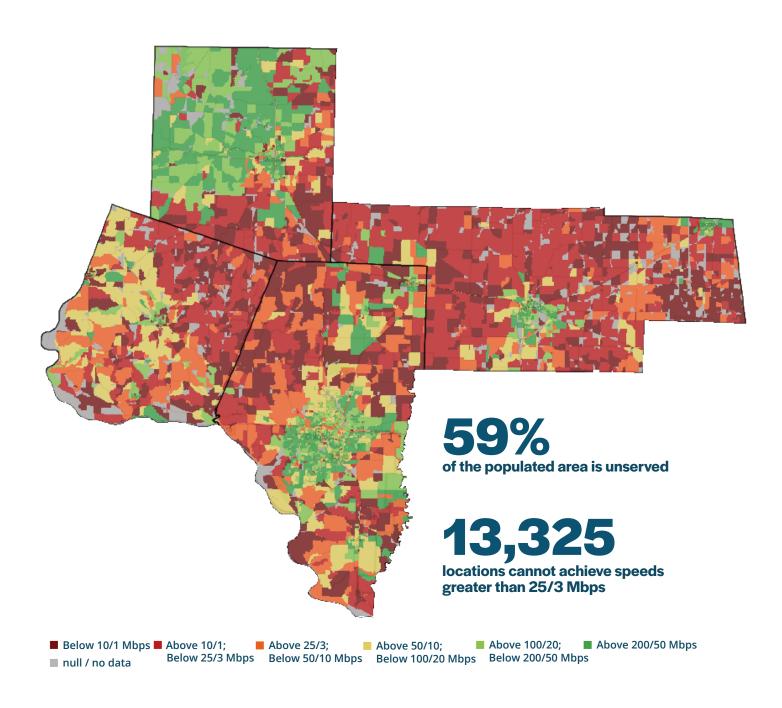
MARIES COUNTY.





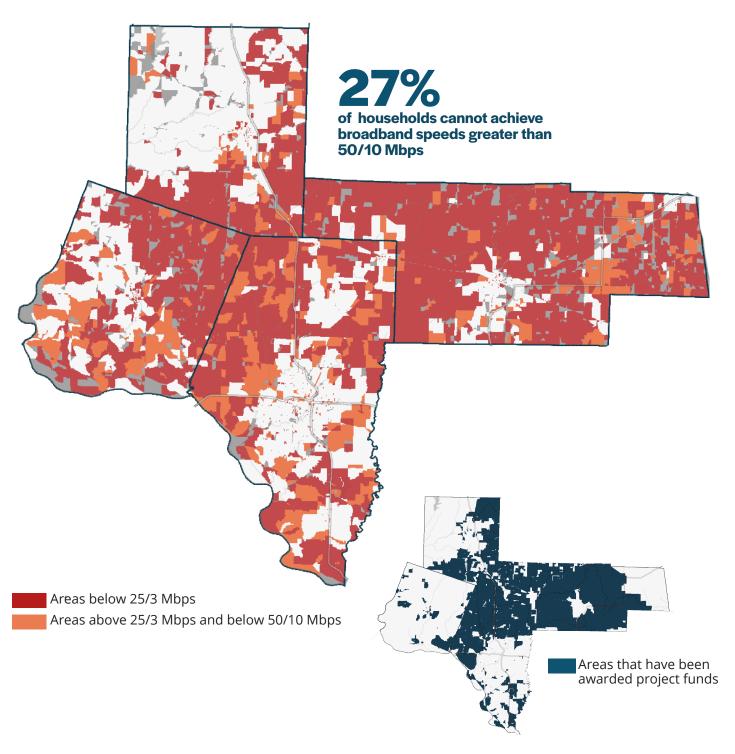


Project Cluster • Mid-Missouri Regional Planning Commission Mark Twain Regional Council of Governments *non-urban areas



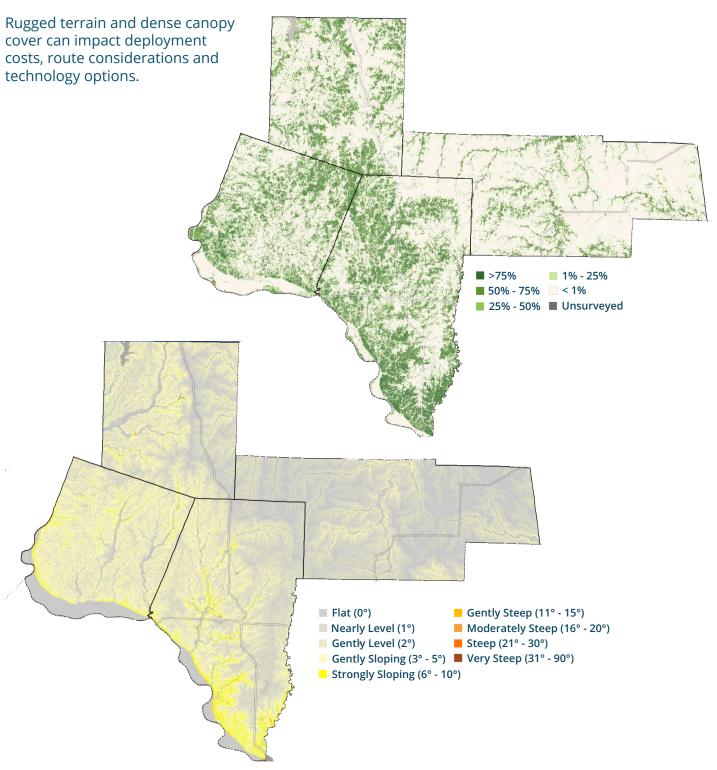
Project Cluster • Mid-Missouri Regional Planning Commission Mark Twain Regional Council of Governments *non-urban areas

AREAS OF FOCUS

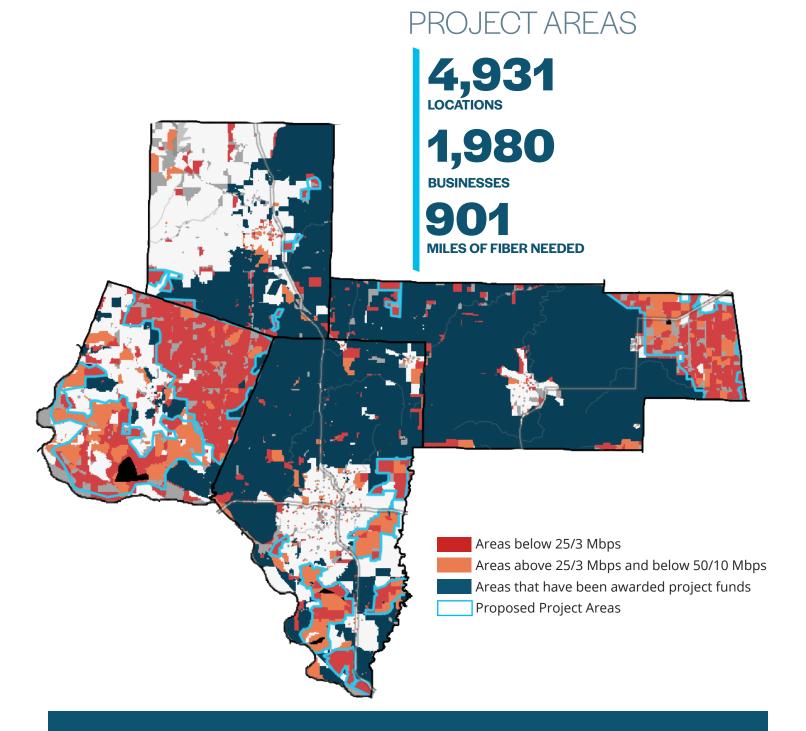


Project Cluster • Mid-Missouri Regional Planning Commission Mark Twain Regional Council of Governments *non-urban areas

PLANNING CONSIDERATIONS



Project Cluster • Mid-Missouri Regional Planning Commission Mark Twain Regional Council of Governments *non-urban areas



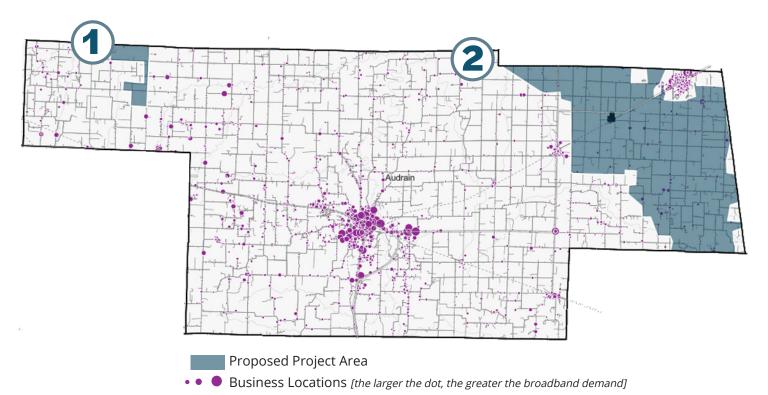
Investment Range = \$80.2-\$176.2 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

AUDRAIN COUNTY

PROJECT AREAS

Nearly all of western and central Audrain County is already funded-to-served. The only significant remaining gap is in the east. In the northwest, we identified one small area that would fill a gap between the funded blocks that surround it. Because most of the locations in this area are along roads that serve as funding boundaries, this area may wind up being served as part of those existing programs. In the east, we identified a much larger project area with a mix of unserved and underserved locations. This area is a better candidate for future funding.



236 667 125 2.8 locations locations locations per mile

INVESTMENT = \$21 - \$46 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1</u> and <u>2</u>.

AUDRAIN COUNTY

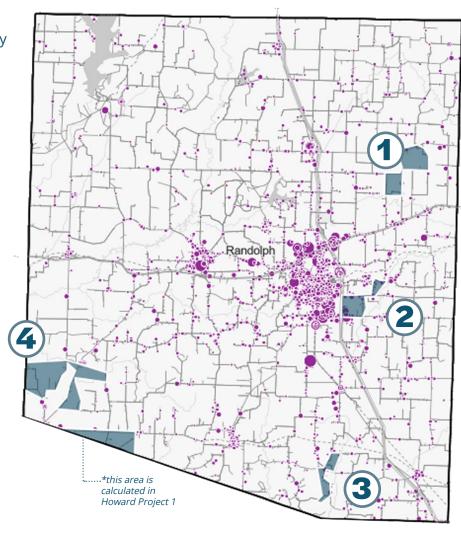




RANDOLPH COUNTY_

PROJECT AREAS

Much of Randolph County is already served or funded-to-served, with many blocks showing speeds above 200 Mbps down / 50 Mbps up. In the east and south where speeds are slower, the majority of locations have already received broadband funding. Many of the remaining unfunded areas are single census blocks surrounded by funded territory or by highly rated, served territory. Such blocks are not good candidates for funding, because most or all of the locations in these blocks lie along roads that include funded or served locations. In the first scenario, providers are likely to serve those locations during their funded deployment. In the second, incumbent providers are likely to challenge funding for those locations. RCG identified 4 small project areas that include more than 1 contiguous census block and that have locations on roads that are not all boundaries between funded and unfunded territory.



Proposed Project Area

Business Locations [the larger the dot, the greater the broadband demand]

32 fiber miles

133 locations

business locations

42 locations per mile

INVESTMENT = \$2.8 - \$6.2 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

RANDOLPH COUNTY___

PROJECT DETAILS



AFRIAL

\$748K-\$1M **COST TO PASS** \$16K - \$64K **ISP INVESTMENT**

FUNDING GAP

annual cost per location

over 30 years

ISP INVESTMENT

FUNDING GAP annual cost per location

over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

\$684K-\$984K

\$1,424 - \$2,049

UNDERGROUND

\$978K-\$1.6M

\$16K - \$64K

\$914K - \$1.6M

\$1.904 - \$3.390

fiber miles

locations per mile



AFRIAL

\$766K-\$1M **COST TO PASS**

\$75K - \$300K

\$466K-\$950K

\$207-\$422

UNDERGROUND

\$1M-\$1.6M

\$75K-\$300K

\$702K - \$1.6M

\$312-\$715

fiber miles

locations per mile



AFRIAL

\$428K-\$572K

\$24K-\$96K

\$332K - \$548K

\$461-\$762

UNDFRGROUND

\$560K - \$941K

\$24K-\$96K

\$464K-\$917K

\$644-\$1,273

fiber miles

locations per mile



*This project area may be partially impacted by E-ACAM Carrier participation, and some locations may not be eligible for BEAD funding.

AFRIAL

UNDFRGROUND

\$858K - \$1.2M

\$18K - \$72K

\$786K - \$1.13M

\$1,455 - \$2,091

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

\$1.1M - \$1.9M

\$18K - \$72K

\$1.1M - \$1.9M

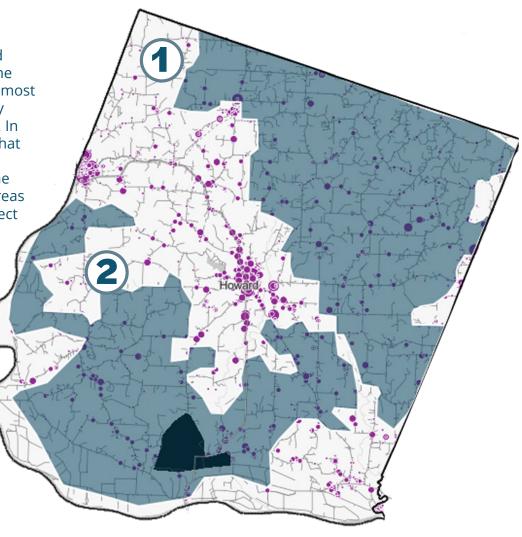
\$1,945 - \$3,458

fiber miles

HOWARD COUNTY

PROJECT AREAS

Howard County includes a mix of served and underserved/unserved territory. The greatest need is in the northeast part of the county, with most blocks below 25/3 Mbps and many unable to exceed even 10/1 Mbps. In the southwest, ratings are somewhat better, but many blocks still fail to exceed 50/10 Mbps. While all of the county's underserved/unserved areas could be configured as single project footprint, we split the territory into two areas along speed rating lines. This allows for greater flexibility to meet specific grant thresholds.



Proposed Project Area

Business Locations [the larger the dot the greater the broadband demand]

427 fiber miles

2,136 locations

663
business locations

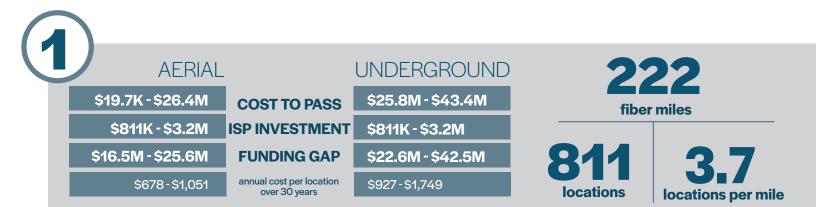
4 2 ocations per mile

INVESTMENT = \$38 - \$83.5 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1</u> and <u>2</u>.

HOWARD COUNTY

PROJECT AREAS





BOONE COUNTY

PROJECT AREAS

The primary broadband funding gaps in Boone County are in the south. While speed ratings are quite low in the north, that area is already funded-to-served. In the central part of the county, Columbia and its more densely populated surroundings rate above the federal minimum of 100/20 Mbps. In the south, we identified multiple areas that include a mix of unserved and underserved territories and which currently are not funded. Because these areas border existing awards, it is probably that those awardees would be interested in pursuing additional funds to expand their service footprint. Proposed Project Area **Business Locations** [the larger the dot the greater the broadband demand] **business locations** locations per mile

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

INVESTMENT = \$18.4 - \$40.4 million

BOONE COUNTY







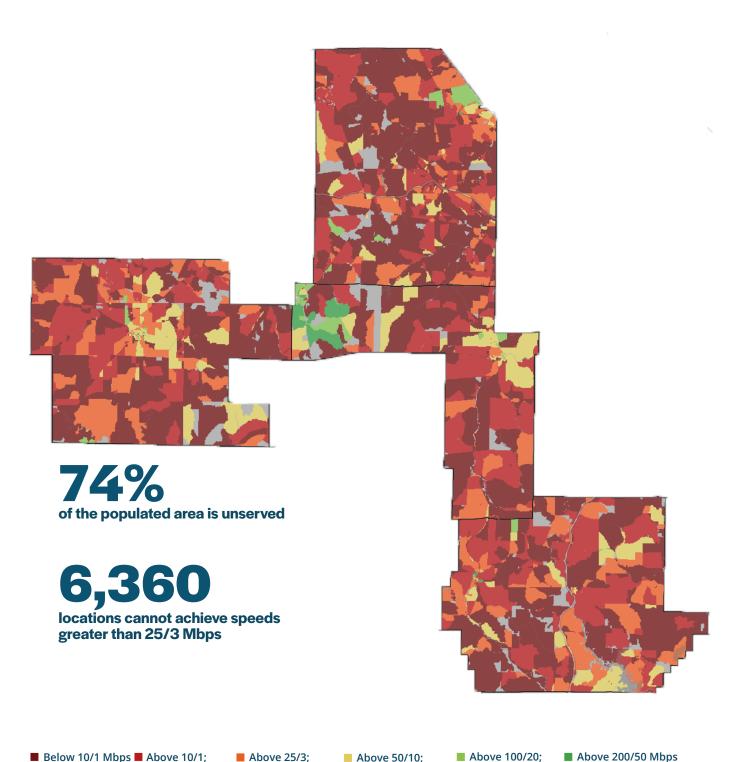
BOONE COUNTY



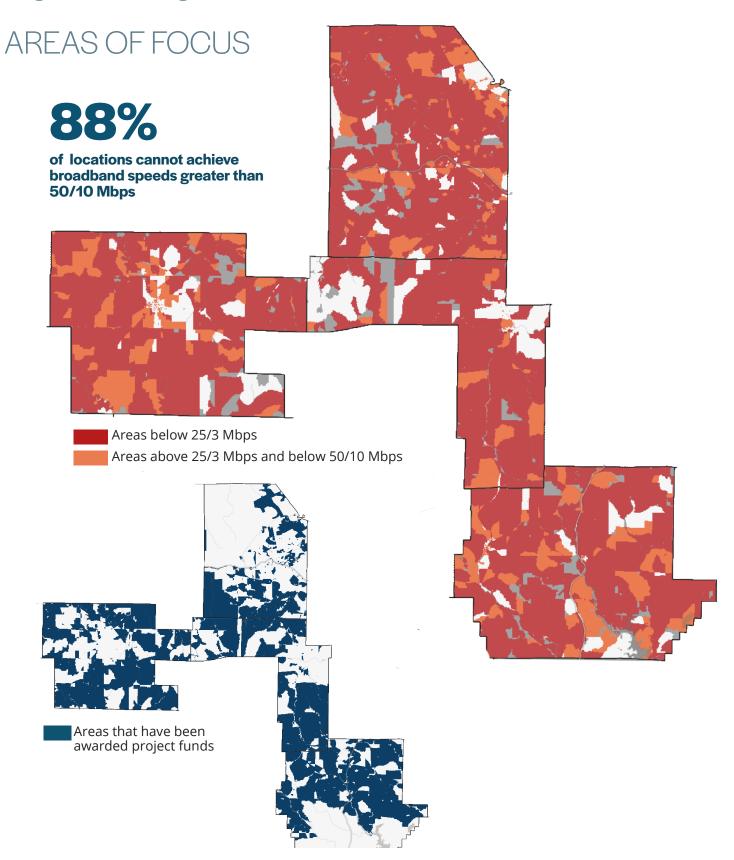




Dent / Iron / Washington / Wayne ______Project Cluster • Meramec - Ozark Foothills- Southeast Missouri **Regional Planning Commissions**

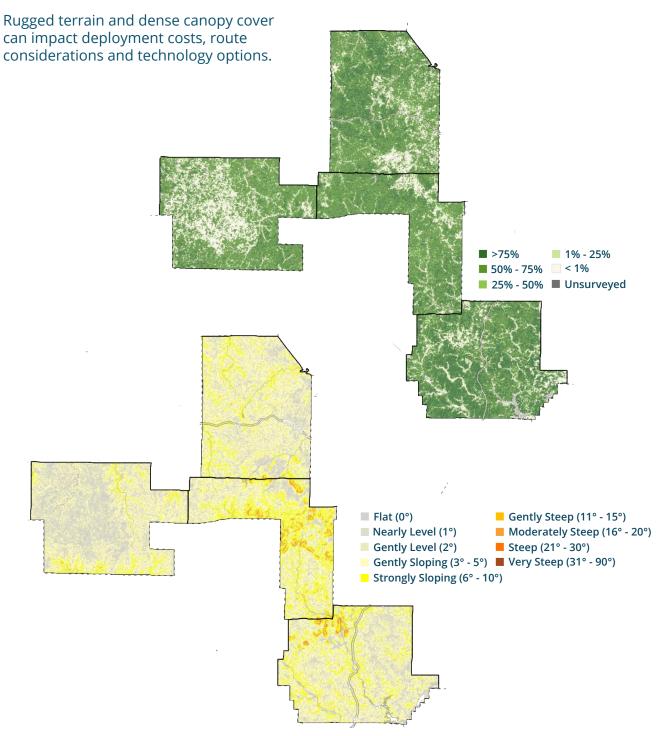


Dent / Iron / Washington / Wayne _______Project Cluster • Meramec - Ozark Foothills- Southeast Missouri **Regional Planning Commissions**



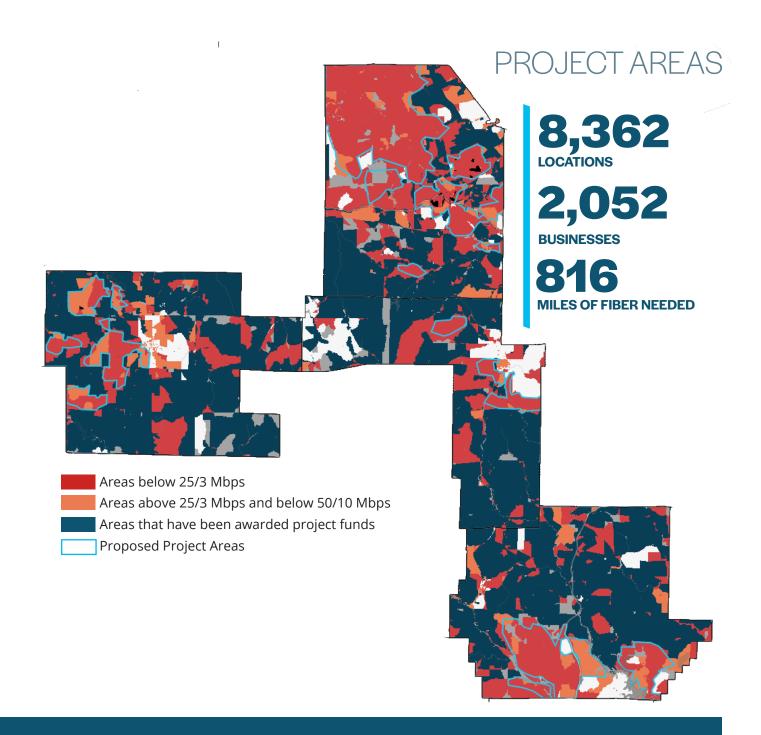
Dent / Iron / Washington / Wayne _______Project Cluster • Meramec - Ozark Foothills- Southeast Missouri **Regional Planning Commissions**

PLANNING CONSIDERATIONS



Dent / Iron / Washington / Wayne _____

Project Cluster • Meramec - Ozark Foothills - Southeast Missouri Regional Planning Commissions



Investment Range = \$73.7 - \$162 million[†]

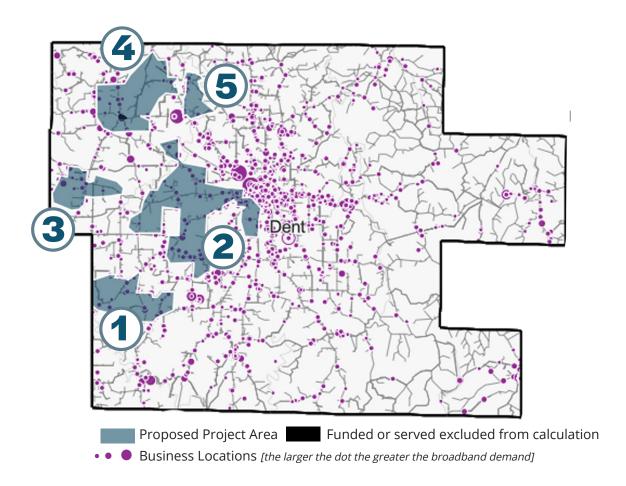
*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

† The Investment range for this cluster area may be lower; due to carrier electing to participate in E-ACAM that can impact eligibility for BEAD funding

DENT COUNTY_

PROJECT AREAS

While most of Dent County outside of Salem is unserved or underserved, much of that territory is funded-to-served via multiple existing grant awards. In the eastern half of the county, the blocks that remain unserved and unfunded contain mostly locations that are on roads that are part of existing award boundaries. These locations, while technically eligible for funding, are likely to be served as part of the existing funded deployment. In the west, we identified 5 project areas. Although these areas also are surrounded by existing awards, the population is distributed more evenly with many locations far enough away from boundary roads to merit applying for funding.





*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

DENT COUNTY







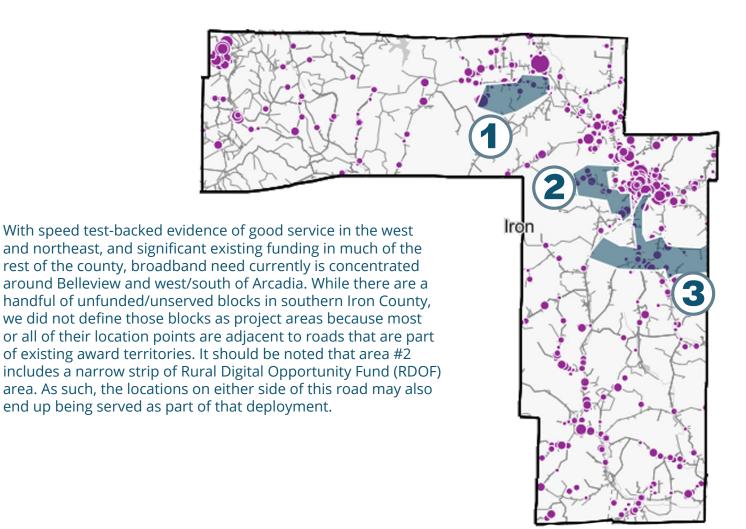
DENT COUNTY





IRON COUNTY_

PROJECT AREAS



Proposed Project Area

Business Locations [the larger the dot the greater the broadband demand]

15 fiber miles

386
locations

113
business locations

25.6 locations per mile

INVESTMENT = \$2.4 - \$5.3 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

IRON COUNTY

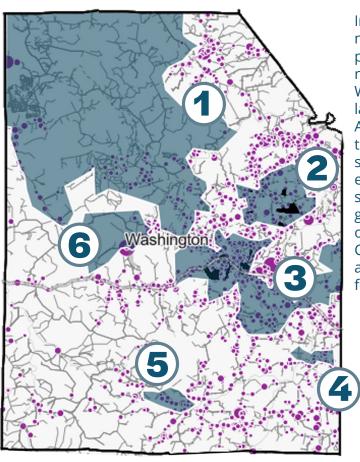






WASHINGTON COUNTY.

PROJECT AREAS



In Washington County, the largest areas of need are in the northwestern and east-central parts of the county. Most of the southern and northeastern blocks are already funded-to-served. We identified 6 potential project areas, with the largest encompassing most of the northwest. Area #3, which includes Potosi, and area #2 to the northeast of Potosi both include multiple small existing award areas. Those locations were excluded from our budget calculations. The smaller areas in the south were designed to fill gaps between existing award territories. Given the overall patchwork nature of awards in Washington County, it is hard to predict whether existing awardees will apply for funds to expand their footprint or challenge competing applications.

Proposed Project Area Funded or served excluded from calculation

• • Business Locations [the larger the dot the greater the broadband demand]

498 fiber miles

5,365 locations

1,521 business locations

10.8 locations per mile

INVESTMENT = \$44.3 - \$97.3 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

WASHINGTON COUNTY_

PROJECT DETAILS

*This project area may be partially impacted by E-ACAM Carrier participation, and some locations may not be eligible for BEAD funding. AFRIAL UNDERGROUND \$25.9M-\$34.6M \$33.9M - \$56.9M **COST TO PASS** \$1.5M - \$6M **ISP INVESTMENT** \$1.5M - \$6M \$19.9M - \$33.1M **FUNDING GAP** \$27.M - \$55.4M annual cost per location \$443-\$738 \$621-\$1,234 over 30 years

AERIAL UNDERGROUND \$3.9M-\$5.2M \$5.1M - \$8.5M **COST TO PASS** fiber miles \$592K - \$2.4M ISP INVESTMENT \$592K - \$2,4M \$1.5M - \$4.6M **FUNDING GAP** \$2.7M - \$7.9M annual cost per location \$84-\$258 \$151-\$445 over 30 years locations per mile



^{*}In this area, density is high enough that an ISP may be willing to deploy with no subsidy.

WASHINGTON COUNTY_







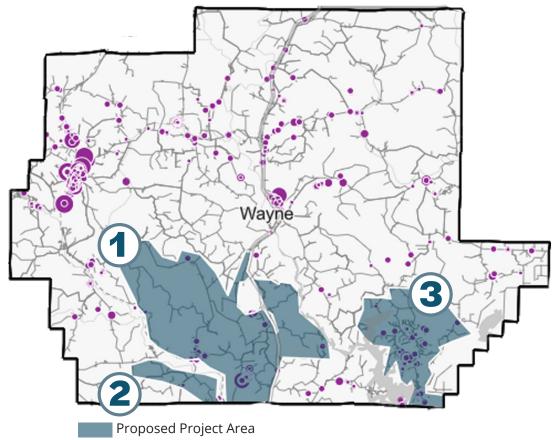
WAYNE COUNTY_

PROJECT AREAS

Most of northern and central Wayne County is already funded-to-served. Blocks that currently do not have funding are surrounded by existing awards, with many locations close enough to the boundaries that they will likely be served as part of the subsidized deployment. In the south, however, we identified 3 areas of need

that currently are unfunded. Area #2 is defined separately from area #1 due to the presence of the Black River. If reasonable fiber crossings are available in or near the project area, then it could be combined with area #1. Area #3 has the highest population density, making it the most attractive to ISPs; however, it also is an area where at least one provider claims to already provide

cable modem services.



Business Locations [the larger the dot the greater the broadband demand]

206 fiber miles

1,833

220 business locations

8_9 locations per mile

INVESTMENT = \$18.4 - \$40.3 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

WAYNE COUNTY_

PROJECT DETAILS

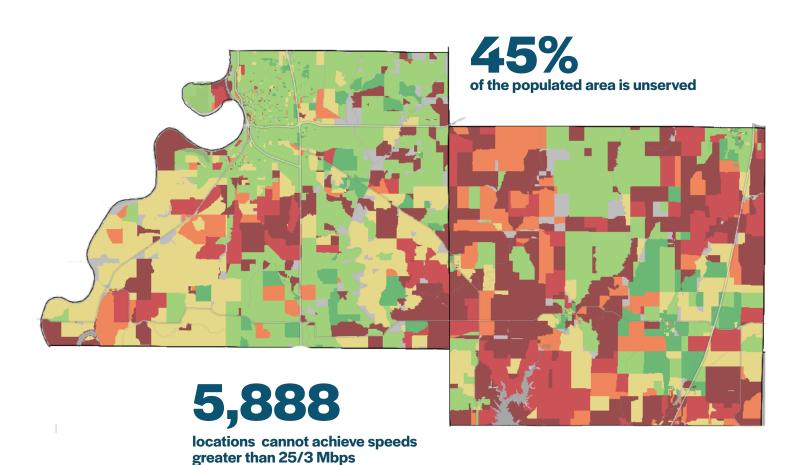
AFRIAL UNDERGROUND \$10.7M-\$14.3M \$14M - \$23.5M **COST TO PASS** \$526K - \$2.1M **ISP INVESTMENT** \$526K - \$2.1M 526 \$8.6M - \$13.8M \$11.9M - \$23M **FUNDING GAP** annual cost per location \$544-\$872 \$752-\$1,455 locations per mile over 30 years





Clinton / Buchanan _____

Project Cluster • Mo-Kan Economic and Community Development Organization

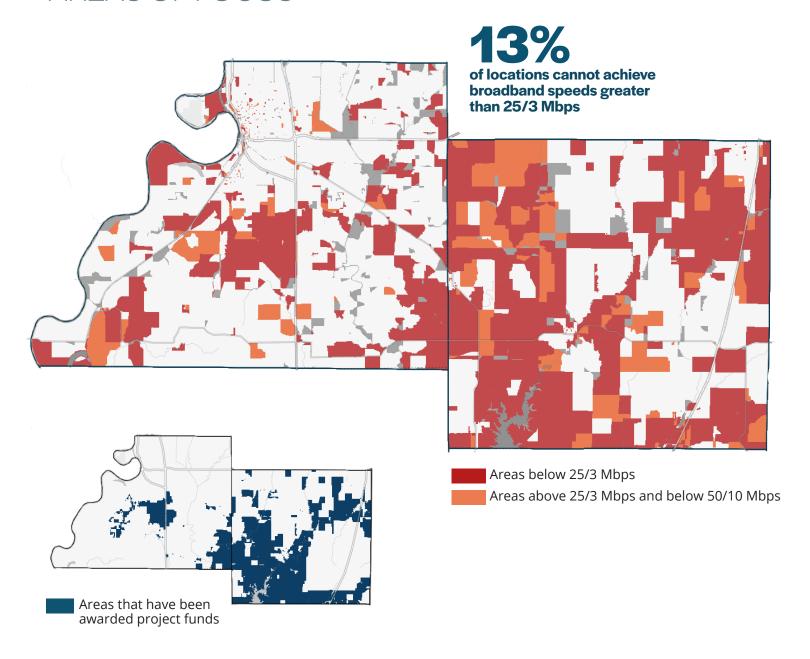


■ Below 10/1 Mbps ■ Above 10/1; ■ Above 25/3; ■ Above 50/10; ■ Above 100/20; ■ Above 200/50 Mbps ■ null / no data ■ Below 25/3 Mbps ■ Below 50/10 Mbps ■ Below 100/20 Mbps ■ Below 200/50 Mbps

Clinton / Buchanan _____

Project Cluster • Mo-Kan Economic and Community Development Organization

AREAS OF FOCUS

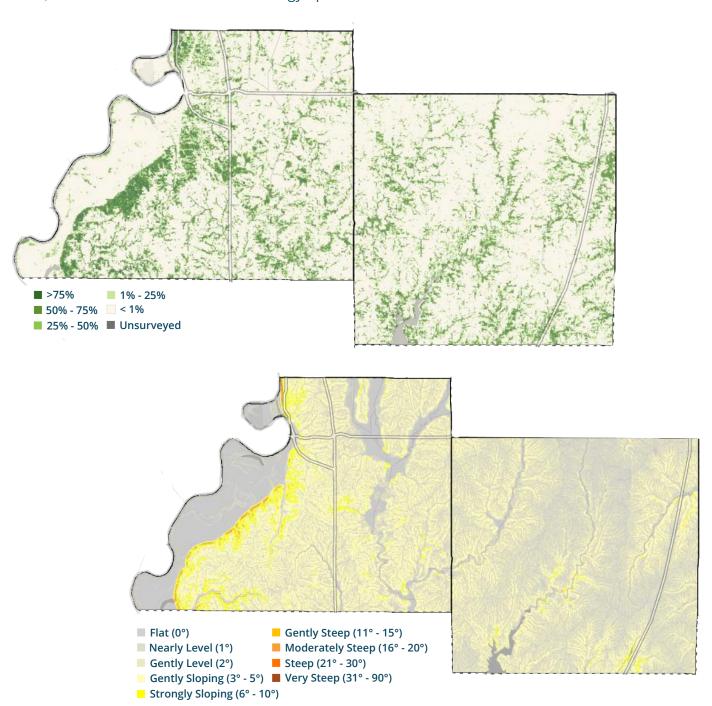


Clinton / Buchanan ____

Project Cluster • Mo-Kan Economic and Community Development Organization

PLANNING CONSIDERATIONS

Rugged terrain and dense canopy cover can impact deployment costs, route considerations and technology options.



Clinton / Buchanan ____

Project Cluster • Mo-Kan Economic and Community Development Organization

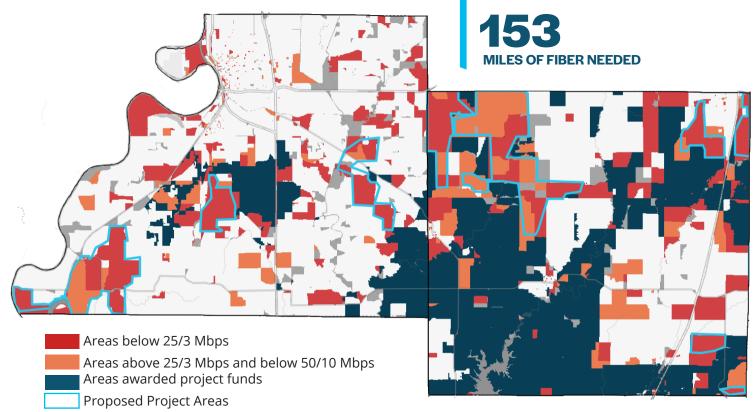
PROJECT AREAS

892

LOCATIONS

364

BUSINESSES



Investment Range = \$13.6 - \$29.9 million *

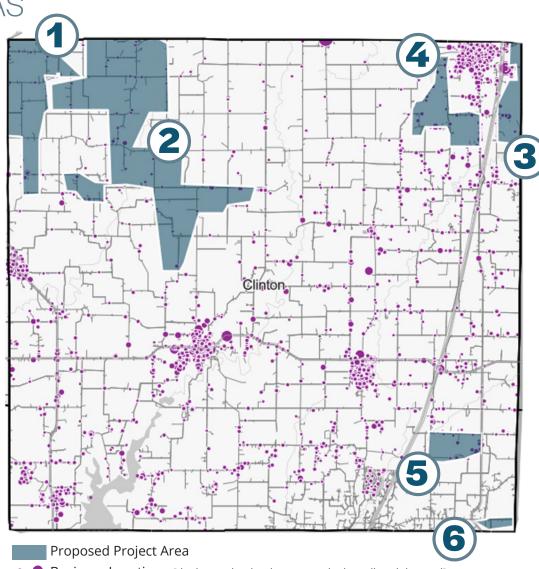
*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

† The Investment range for this cluster area may be lower; due to carrier electing to participate in E-ACAM that can impact eligibility for BEAD funding

CLINTON COUNTY

PROJECT AREAS

Much of the eastern half of Clinton County currently rates as served or wellserved. Unserved and underserved areas in the southwest and northeast quadrants are mostly funded-to-served. The area with the greatest remaining need is in the northwest. We identified two project areas in this quadrant, one primarily unserved and the other primarily underserved. The two could be combined into a single, larger project area depending on available funding. We also identified several smaller project areas in the west that are adjacent to existing awards. Depending on the awardee's strategy, these areas could be included in that provider's footprint.



Business Locations [the larger the dot the greater the broadband demand]

fiber miles

INVESTMENT = \$7.2 - \$16 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

CLINTON COUNTY

PROJECT DETAILS



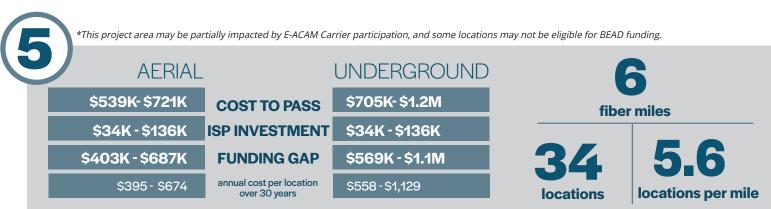




CLINTON COUNTY

PROJECT DETAILS

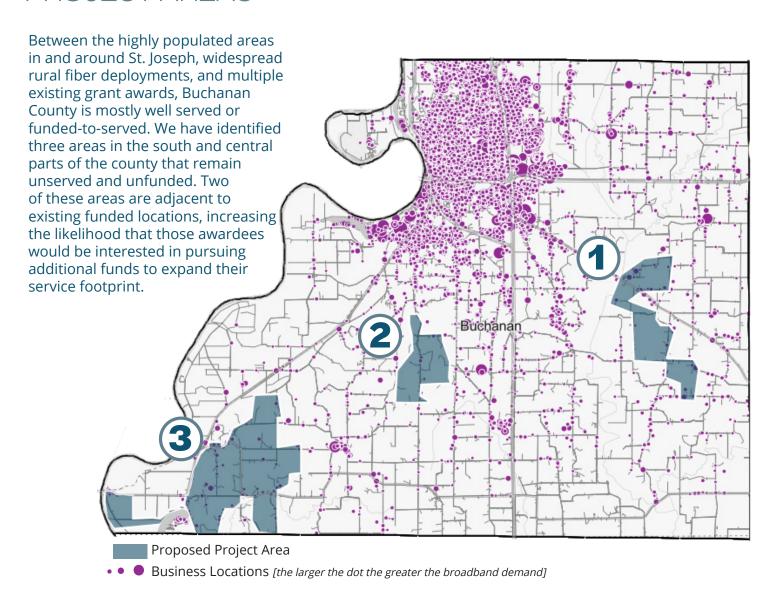






BUCHANAN COUNTY

PROJECT AREAS



71 505 153 7.1 locations INVESTMENT = \$6.3 - \$14 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

BUCHANAN COUNTY

PROJECT DETAILS

AERIAL UNDERGROUND \$2M - \$3.5M \$1.6M - \$2.1M **COST TO PASS** \$117K - \$468K \$117K - \$468K ISP INVESTMENT \$1.1M - \$2M **FUNDING GAP** \$1.6M - \$3.4M

\$320-\$573

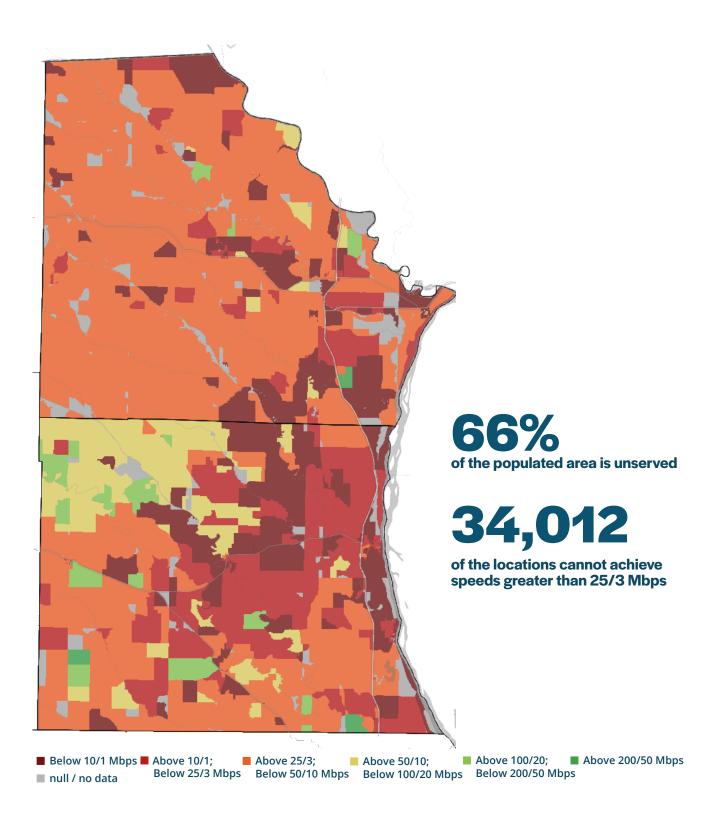
annual cost per location over 30 years \$459-\$962 fiber miles

locations per mile

AFRIAL UNDERGROUND \$598K-\$800K \$782K - \$1.3M **COST TO PASS** fiber miles \$43K-\$172K **ISP INVESTMENT** \$43K-\$172K \$426K - \$756K **FUNDING GAP** \$610K - \$1.3M annual cost per location \$330-\$587 \$473-\$986 over 30 years **locations** locations per mile

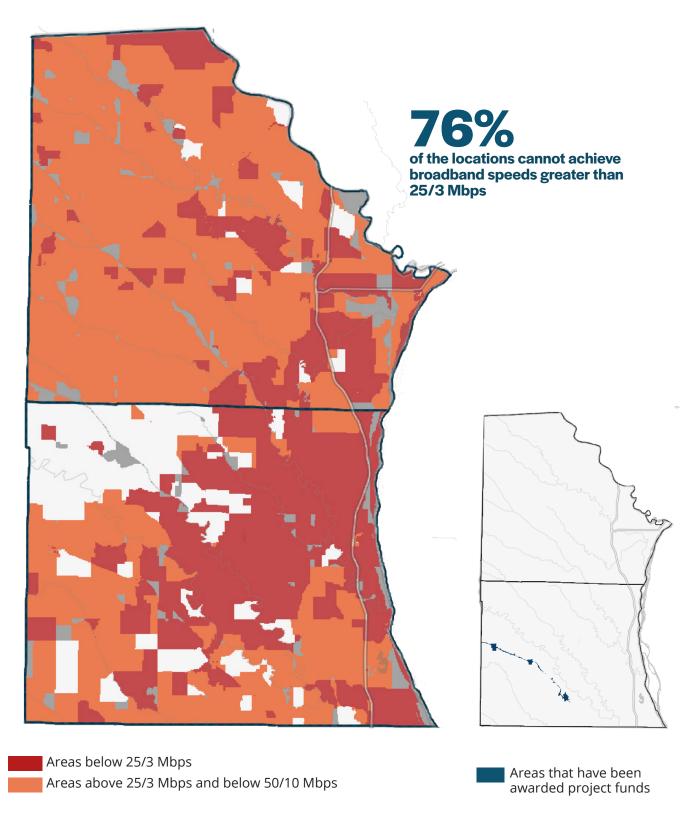
47 AFRIAL UNDERGROUND \$4.2M - \$5.5M \$5.4M - \$9.1M **COST TO PASS** fiber miles \$345K - \$1.4M ISP INVESTMENT \$345K - \$1.4M **FUNDING GAP** \$2.8M - \$5.2M \$4M-\$8.8M annual cost per location over 30 years \$268-\$503 \$391-\$848 **locations** locations per mile

Project Cluster - Northeast Missouri Regional Planning Commission



Project Cluster - Northeast Missouri Regional Planning Commission

AREAS OF FOCUS

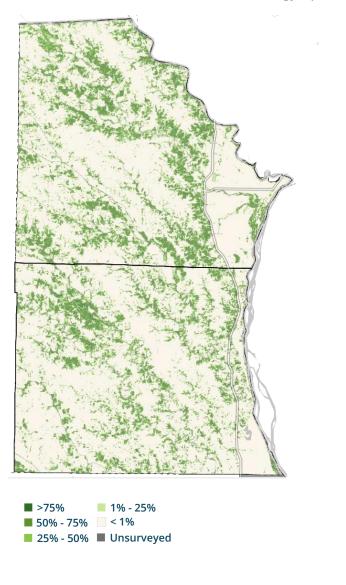


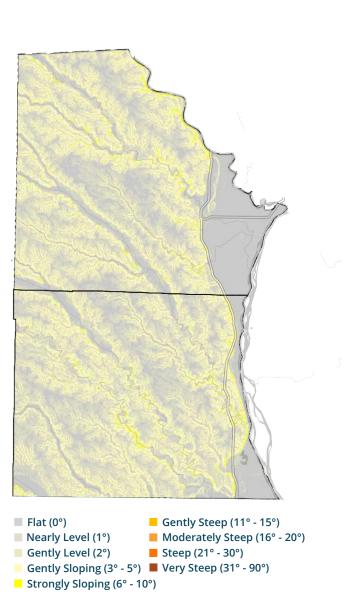
Lewis / Clark_

Project Cluster • Northeast Missouri Regional Planning Commission

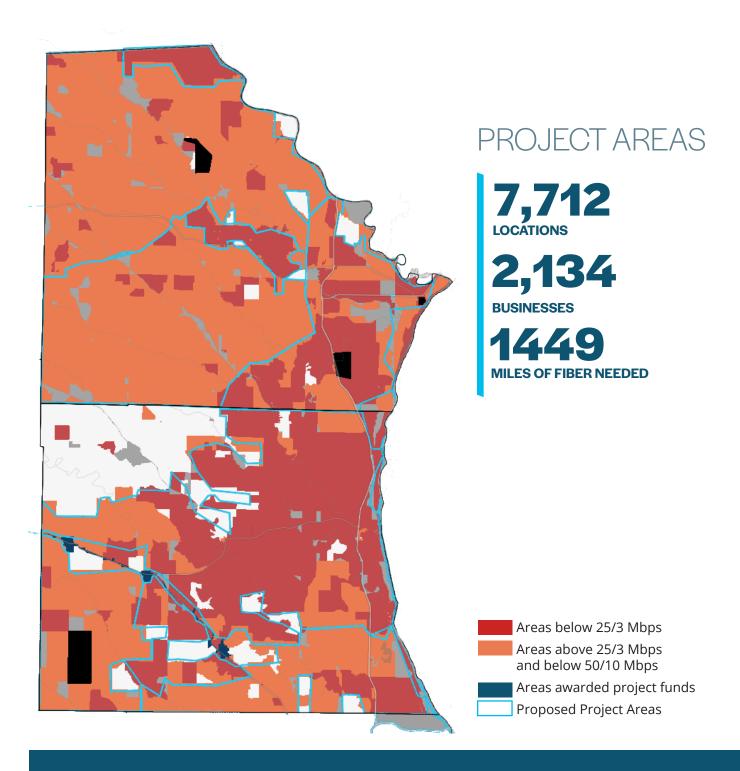
PLANNING CONSIDERATIONS

Rugged terrain and dense canopy cover can impact deployment costs, route considerations and technology options.





Project Cluster • Northeast Missouri Regional Planning Commission



Investment Range = \$129 - \$283.4 million

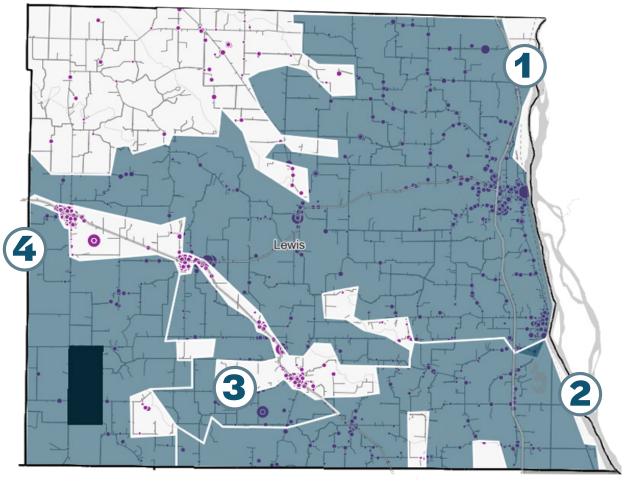
*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

† The Investment range for this cluster area may be lower; due to carrier electing to participate in E-ACAM that can impact eligibility for BEAD funding

LEWIS COUNTY

PROJECT AREAS

Approximately three quarters of Lewis County's area rates as underserved or unserved. The greatest need can be found in the northeast and central parts of the county where most blocks have speed ratings below 25/3 Mbps and many are unable to reach 10/1 Mbps. The southern part of the county is significantly underserved, with most blocks rating below 50/10 Mbps.



Proposed Project Area

• • Business Locations [the larger the dot, the greater the broadband demand]

528 fiber miles

3,465

1,145 business locations

6₆ locations per mile

INVESTMENT = \$54.2 - \$120 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

LEWIS COUNTY

PROJECT DETAILS

*This project area may be marginally impacted by E-ACAM Carrier participation, and some locations may not be eligible for BEAD funding.

AFRIAL

\$33.4M - \$44.6M **COST TO PASS**

\$2.6M - \$10.6M **ISP INVESTMENT**

\$22.8M - \$41.9M

\$286-\$528

FUNDING GAP

annual cost per location over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP annual cost per location

over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

UNDERGROUND

\$43.6M - \$73.3M

\$2.6M - \$10.6M

\$33M - \$70.6M

\$416-\$889

locations

*This project area may be partially impacted by E-ACAM Carrier participation, and some locations may not be eligible for BEAD funding.

AFRIAL

\$9.4M - \$12.5M

\$634K - \$2.5M

\$6.8M - \$11.9M

\$359-\$626

UNDERGROUND

\$12.3M - \$20.6M

\$634K - 2.5M

\$9.7M - \$19.9M

\$511-\$1,050

fiber miles

locations

locations per mile

*This project area may be marginally impacted by E-ACAM Carrier participation, and some locations may not be eligible for BEAD funding.

AFRIAL

\$4.3M-\$5.7M

\$183K - \$732K

\$3.6M - \$5.6M

\$648-\$1,012

UNDERGROUND

\$5.6M-\$9.4M

\$183K - \$732K

\$4.9M - \$9.3M

\$889-\$1684

fiber miles

locations per mile



*This project area may be partially impacted by E-ACAM Carrier participation, and some locations may not be eligible for BEAD funding.

AFRIAL

COST TO PASS

ISP INVESTMENT

\$6.4M - \$9.4M **FUNDING GAP**

\$1,117 - \$1,638

\$7.2M - \$9.6M

\$192K - \$768K

\$9.4M - \$15.8M

UNDFRGROUND

\$192K - \$768K

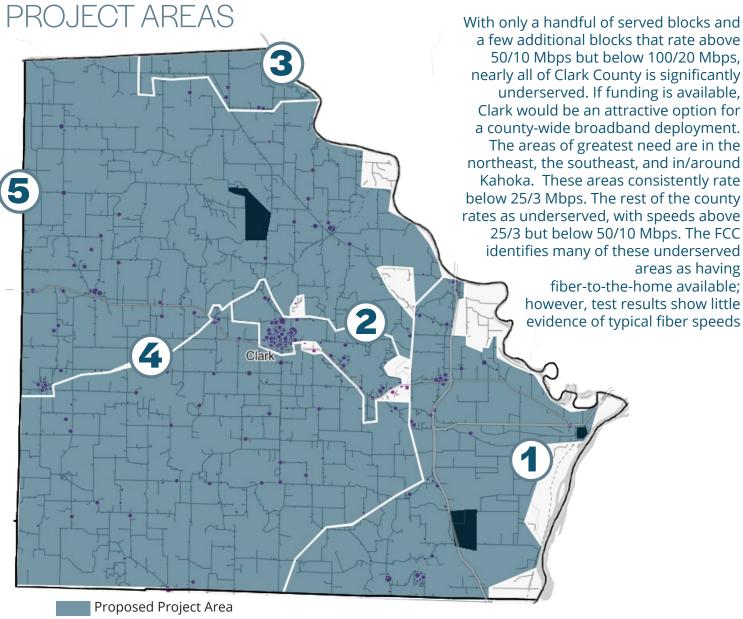
\$8.7M - \$15.6M

\$1502 - \$2,714

fiber miles

annual cost per location over 30 years

CLARK COUNTY



Business Locations [the larger the dot, the greater the broadband demand]

840 fiber miles

4,055

940 business locations

4.8 locations per mile

INVESTMENT = \$74 - \$164 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

CLARK COUNTY

PROJECT DETAILS

*This project area may be marginally impacted by E-ACAM Carrier participation, and some locations may not be eligible for BEAD funding.

AFRIAL

\$16.4M - \$22M

\$989K-\$4M

COST TO PASS

ISP INVESTMENT

annual cost per location

over 30 years

\$12.5M - \$21M **FUNDING GAP**

\$420-\$707

UNDERGROUND

\$21.5M - \$36.1M

\$989K-\$4M

\$17.5M - \$35M

\$591-\$1.183

fiber miles

locations

locations per mile

AFRIAL

\$5.1M - \$6.9M **COST TO PASS**

\$1.3M - \$5.1M

\$42K - \$5.6M

\$1-\$146

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

annual cost per location

over 30 years

UNDERGROUND

\$6.7M - \$11.3M

\$1.3M - \$5.1M

\$1.6M - \$10M

UNDERGROUND

\$42-\$262

fiber miles

locations per mile

AERIAL

\$2M-\$2.7M

\$78K - \$312K

\$1.7M - \$2.6M

\$733-\$1.125

\$2.7M - \$4.5M **COST TO PASS**

ISP INVESTMENT

\$78K-\$312K

\$2.3M - \$4.4M **FUNDING GAP**

\$1,000-\$1,871

fiber miles

locations

locations per mile

CLARK COUNTY

PROJECT DETAILS



*This project area may be partially impacted by E-ACAM Carrier participation, and some locations may not be eligible for BEAD funding.

AERIAL

COST TO PASS

FUNDING GAP

annual cost per location

over 30 years

\$686K - \$2.7M ISP INVESTMENT

\$21.3M - \$31.5M

\$24M-\$32.2M

\$1,307 - \$1,531

UNDERGROUND

\$31.5M - \$53M

\$686K - \$2.7M

\$28.7M - \$52.2M

\$1,397-\$2,538

locations

locations per mile



*This project area may be marginally impacted by E-ACAM Carrier participation, and some locations may not be eligible for BEAD funding.

AERIAL

\$27M - \$36.2M

\$1M - \$4.1M

\$22.9 - \$35.2M

\$746-\$1,142

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$35.4M - \$59.5M

\$1M - \$4.1M

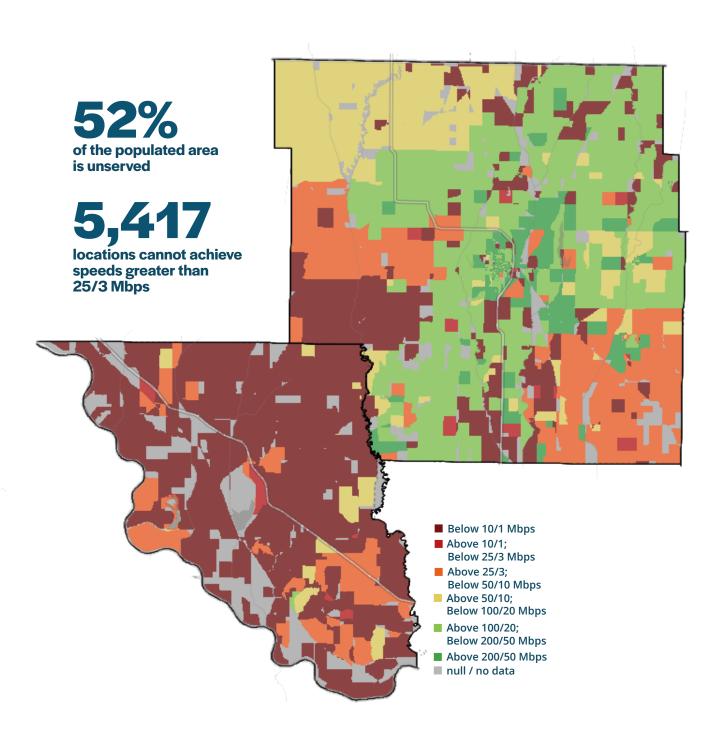
\$31.3M - \$58.5M

\$1,016 - \$1,899

fiber miles

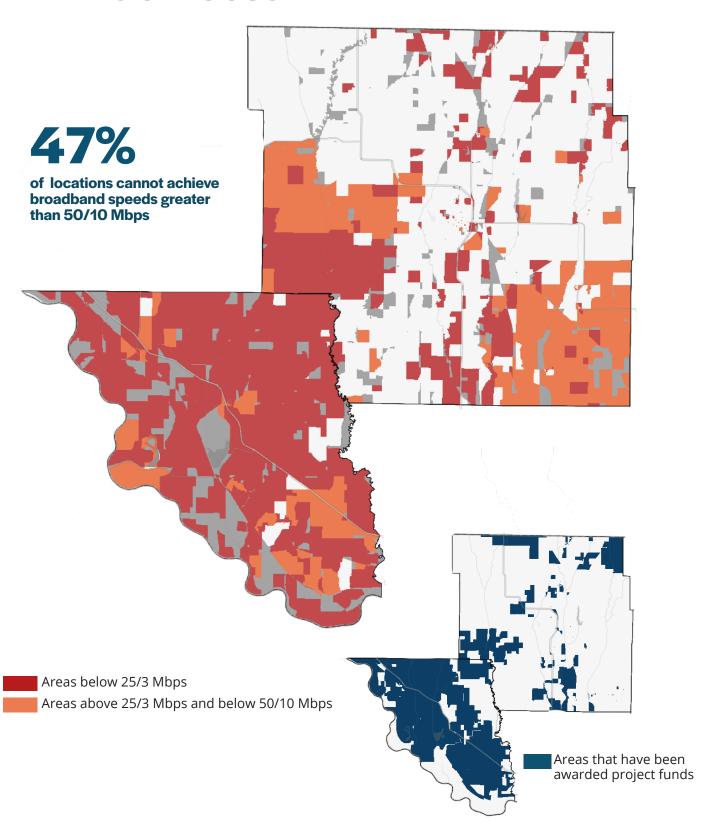
locations per mile

Project Cluster • Northwest Missouri Regional Council of Governments



Project Cluster • Northwest Missouri Regional Council of Governments

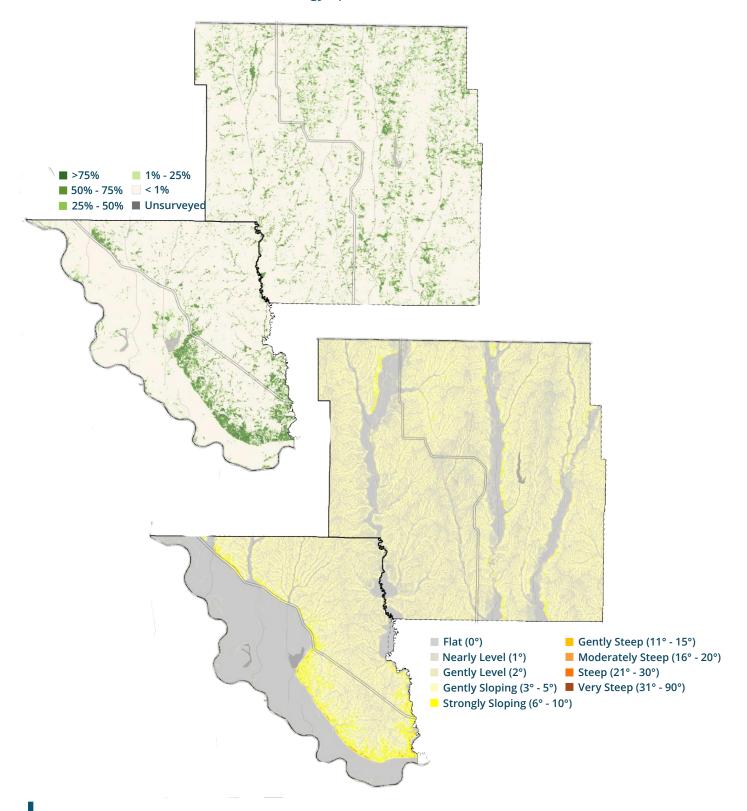
AREAS OF FOCUS



Project Cluster - Northwest Missouri Regional Council of Governments

PLANNING CONSIDERATIONS

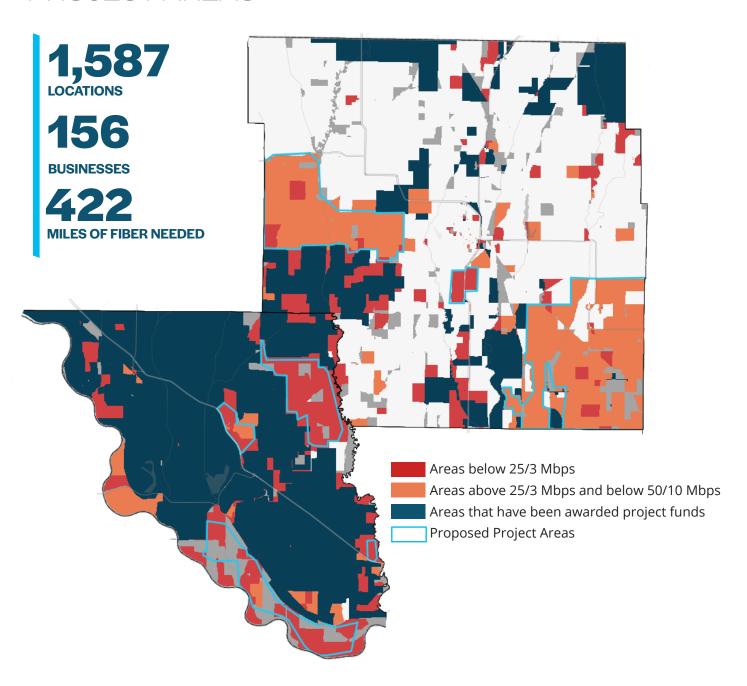
Rugged terrain and dense canopy cover can impact deployment costs, route considerations and technology options.



Nodaway / Holt_____

Project Cluster - Northwest Missouri Regional Council of Governments

PROJECT AREAS



Investment Range = \$37.5 - \$82.5 million⁺

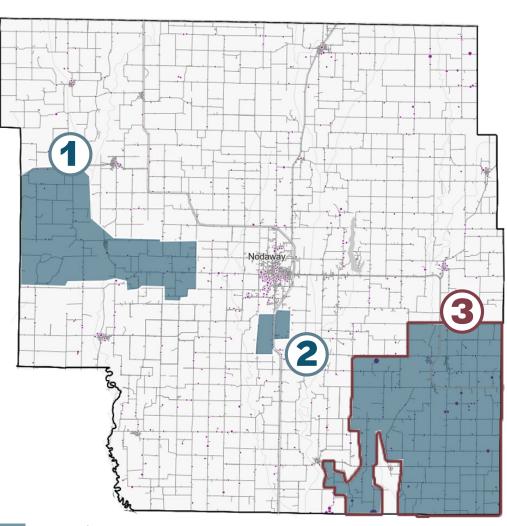
^{*}Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

[†] The Investment range for this cluster area may be lower; due to carrier electing to participate in E-ACAM that can impact eligibility for BEAD funding

NODAWAY COUNTY

PROJECT AREAS

Most of Nodaway County currently rates as either served (above 100/20 Mbps) or just slightly underserved, with speeds above 50/10 Mbps but below 100/20 Mbps. We do not recommend seeking funding in these areas. The parts of Nodaway that currently rate as unserved are all covered by existing grant awards and thus also do not need additional funding. We identified three areas that rate below 50/10 Mbps, one in the west, one in the southeast, and one small area just south of Maryville. It should be noted that all of these areas have at least one provider who claims to offer fiber to the home in spite of the low-speed test results. Those providers may challenge any grant applications in those areas.



Proposed Project Area

Business Locations [the larger the dot the greater the broadband demand]

#Proposed Project Areas fully impacted by E-ACAM

102 fiber miles

246locations

25 business locations

2.4 locations per mile

INVESTMENT = \$9.1 - \$20 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

NODAWAY COUNTY.

PROJECT DETAILS

1

*This project area may be partially impacted by E-ACAM Carrier participation, and some locations may not be eligible for BEAD funding.

AFRIAL

\$7.8M- \$10.5M **COST TO PASS**

\$167K - \$668K ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

FUNDING GAP

annual cost per location over 30 years

FUNDING GAP

annual cost per location

over 30 years

\$7.2M - \$10.3M

\$1,429 - \$2,056

UNDERGROUND

\$10.2M - \$17M

\$167K - \$668K

\$9.6M-\$17M

\$1,910 - \$3,401

88

fiber miles

167
locations

1.9 locations per mile

2

AFRIAL

\$1.2M \$1.6M COST TO PASS

\$79K-\$316K ISP INVESTMENT

\$907K - \$1.6M

\$383-\$657

UNDERGROUND

\$1.6M - \$2.7M

\$79K - \$316K

\$1.3M - \$2.6M

\$542-\$1,101

14

fiber miles

79 locations

5.7

(3)

*This project area has been removed from the county overall calculations due to E-ACAM Carrier participation

AERIAL

\$17.4M-\$23.3M

COST TO PASS

\$549K - \$2.2M ISP INVESTMENT

\$15.2M - \$22.7M

\$923 - \$1,379

UNDERGROUND

\$22.8M - \$37.7M

\$549K - \$2.2M

\$20.6M - \$37.7M

\$1.249 - \$2.289

196

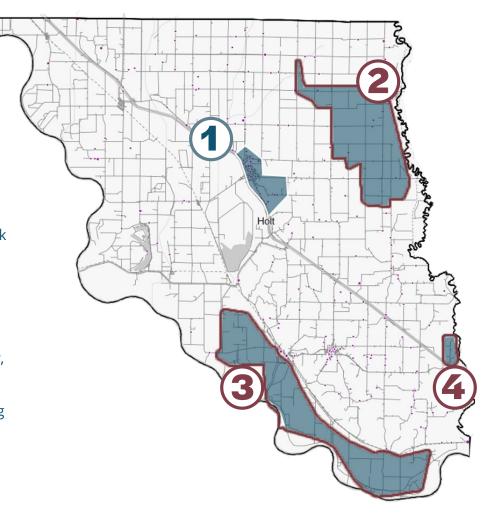
fiber miles

549 locations 2.8 locations per mile

HOLT COUNTY.

PROJECT AREAS

Much of Holt County is covered by existing grant awards. We identified four project areas that would bring service to the rest of the county. Area #1 includes Mound City. With relatively high population density, this will be the most attractive of the four areas for private ISP investment. Given that Mound City is surrounded by a ReConnect award to Rock Port Telephone, we would expect that Rock Port would likely bid on any project proposals. They also may choose to serve the city without additional subsidy. The other 3 areas in Holt are low density. Area 3, located in the south along the river, will require at least \$124,000 per location in subsidy, such a high cost will make serving this area a challenge. Area 4, given its small size and proximity to an existing award, could end up being served when the adjacent territory receives its subsidized deployment.



Proposed Project Area

Business Locations [the larger the dot the greater the broadband demand]

(#)Proposed Project Areas fully impacted by E-ACAM

29 fiber miles

675
locations

business locations

23.4 locations per mile

INVESTMENT = \$2.6 - \$5.6 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

HOLT COUNTY

PROJECT DETAILS

*In this area, density is high enough that an ISP may be willing to deploy with no subsidy.

AFRIAL

\$2.6M-\$3.4M **COST TO PASS**

\$675K - \$2.7M **ISP INVESTMENT**

\$0-\$2.8M

\$0-\$136

annual cost per location over 30 years

FUNDING GAP

UNDERGROUND

\$3.4M - \$5.6M

\$675K - \$2.7M

\$652K - \$5M

\$32-\$245

fiber miles

*This project area has been removed from the county overall calculations due to E-ACAM Carrier participation

*This project area may be partially impacted by E-ACAIN (arrier partigipation), and some locations may not be eligible funding.

\$4M-\$5.3M

\$73K - \$292K

\$3.7M - \$5.2M

COST TO PASS

ISP INVESTMENT

FUNDING GAP

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

annual cost per location \$1.681-\$2.393 over 30 years

\$5.2M - \$8.7M

\$73K - \$292K

\$4.9M - \$8.7M

\$2.240 - \$3.955

fiber miles

locations per mile

*This project area has been removed from the county overall calculations due to E-ACAM Carrier participation

AFRIAL

\$4.4M-\$5.8M

\$35K - \$140K

\$4.2M - \$5.8M

\$4,014 - \$5,512

UNDERGROUND

\$5.7M - \$9.6M

\$35K-\$140K

\$5.6M - \$9.5M

\$5,291-\$9,082

fiber miles

locations per mile

*This project area has been removed from the county overall calculations due to E-ACAM Carrier participation

AFRIAL

\$174K-\$232K

\$138K - \$223K

\$9K - \$36K

COST TO PASS

ISP INVESTMENT

annual cost per location

FUNDING GAP

\$509-\$826

UNDERGROUND

\$227K - \$381K

\$9K-\$36K

\$191K - \$372K

\$707-\$1,379

fiber miles

locations

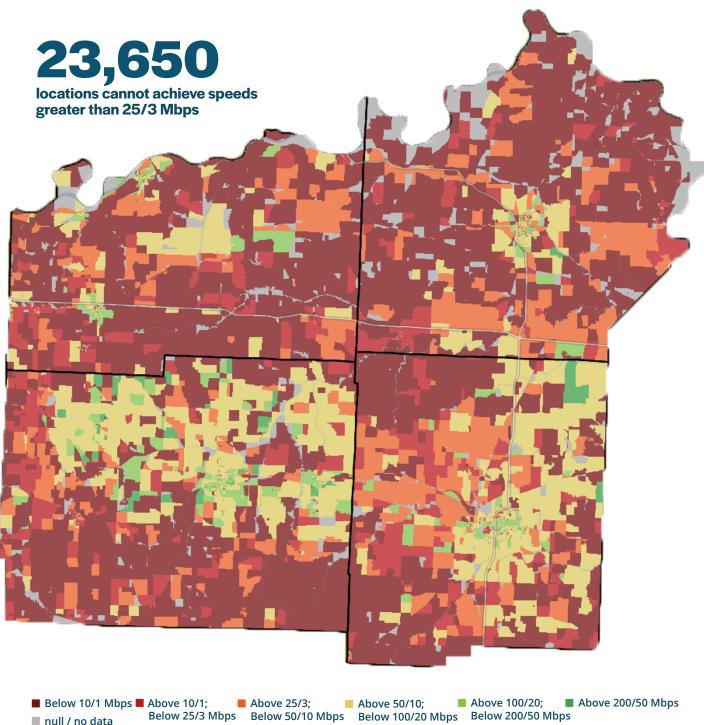
locations per mile

over 30 years

Saline / Pettis / Johnson / Lafayette ______

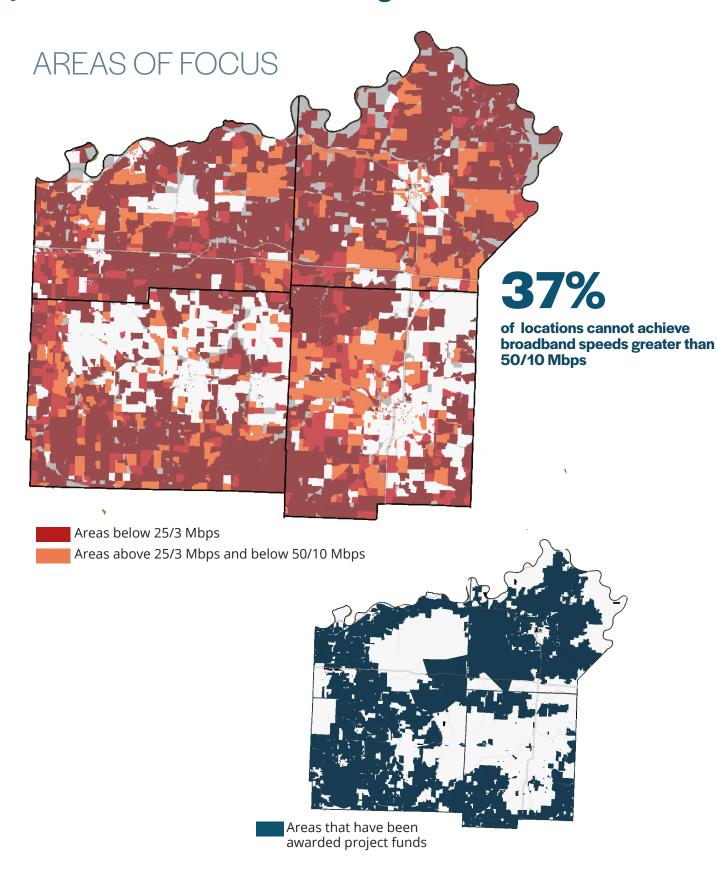
Project Cluster - Pioneer Trails Regional Planning Commission

37% of the populated area is unserved



Saline / Pettis / Johnson / Lafayette _____

Project Cluster - Northwest Missouri Regional Council of Governments

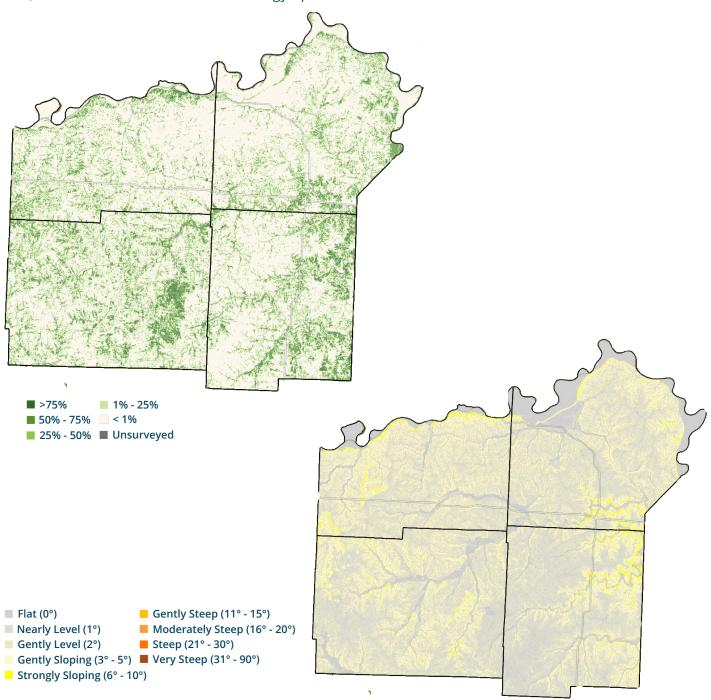


Saline / Pettis / Johnson / Lafayette ______

Project Cluster - Northwest Missouri Regional Council of Governments

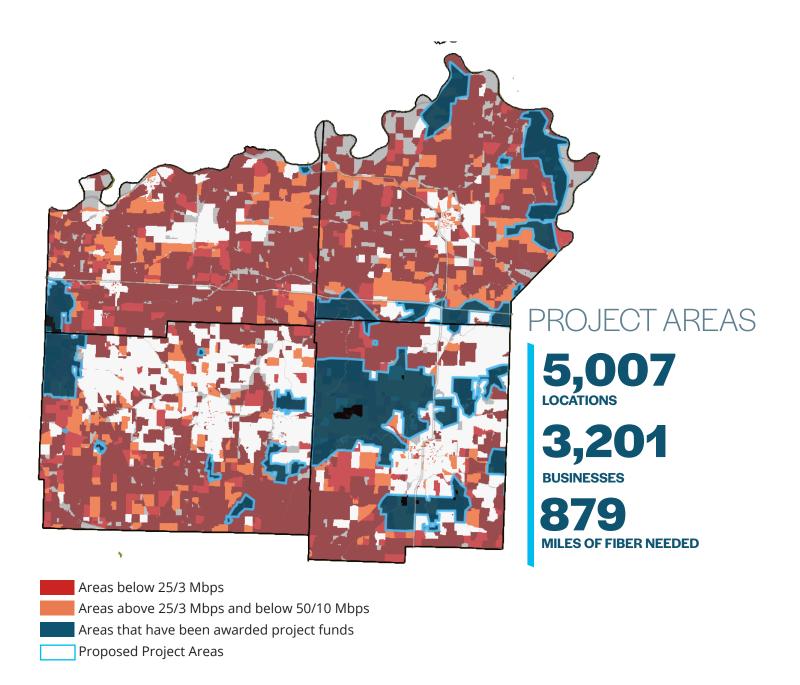
PLANNING CONSIDERATIONS

Rugged terrain and dense canopy cover can impact deployment costs, route considerations and technology options.



Saline / Pettis / Johnson / Lafayette _____

Project Cluster - Northwest Missouri Regional Council of Governments

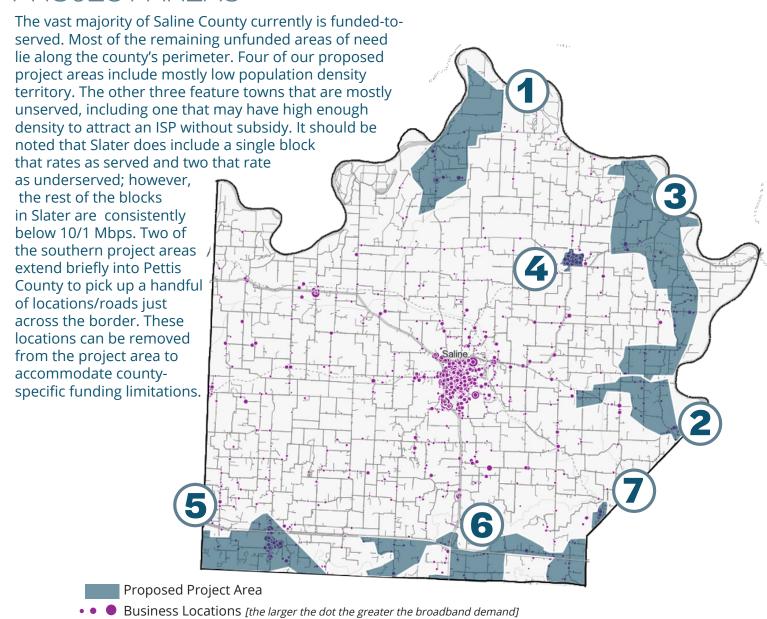


Investment Range = \$80.2 - \$176.2 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

SALINE COUNTY .

PROJECT AREAS



296
fiber miles

2,832 locations

business locations

9.6 locations per mile

INVESTMENT = \$26 - \$58 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

SALINE COUNTY.

PROJECT DETAILS







SALINE COUNTY __

PROJECT DETAILS



AFRIAL

\$2M - \$2.7M COST TO PASS

\$974K - \$3.9M ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

FUNDING GAP

annual cost per location over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

\$0*-\$1.7M

\$0-\$174

UNDERGROUND

\$2.7M - \$4.5M

\$974K-\$3.9M

\$0*-\$3.5M

\$0-\$119

23

974

42.9 locations per mile

*In this area, density is high enough that an ISP may be willing to deploy with no subsidy.



AFRIAL

\$4.4M - \$5.8M COST TO PASS

\$878K - \$3.5M ISP INVESTMENT

\$858K-\$5M

\$33-\$188

UNDFRGROUND

\$5.7M - \$9.6M

\$878K - \$3.5M

\$2.2M - \$8.7M

\$84-\$331

49

fiber miles

878

17.9 locations per mile



AFRIAL

\$6.3M - \$8.5M

\$171K - \$684K

\$5.6M - \$8.3M

\$1,095 - \$1,610

UNDFRGROUND

\$8.2M - \$13.9M

\$171K - \$684K

\$7.6M - \$13.7M

\$1,474 - \$2,667

71

fiber miles

171 locations

2.4 locations per mile



AFRIAL

\$612K - \$819K COST TO PASS

\$123K - \$492K ISP INVESTMENT

\$120K - \$695K FUNDING GAP

\$33-\$189

annual cost per location over 30 years

UNDERGROUND

\$800K - \$1.4M

\$123K - \$492K

\$309K-\$1.2M

\$84-\$331

7

fiber miles

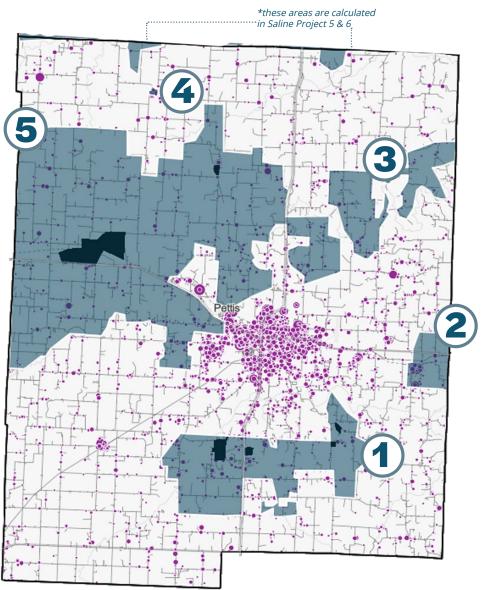
123

17.9 locations per mile

PETTIS COUNTY_

PROJECT AREAS

Project areas in Pettis County include several low-density rural territories with small existing awards inside their boundaries. To ensure accurate calculations, we excluded those award inholdings from our budget estimates. We also identified Houstonia as a potential project area. The town currently is surrounded by blocks that were awarded to Charter as part of the Rural Digital Opportunity Fund (RDOF). As such, Charter is likely to have interest in serving Houstonia in conjunction with its RDOF deployment.



Proposed Project Area

• • • Business Locations [the larger the dot the greater the broadband demand]

433 fiber miles

2,728locations

978 business locations

6 3 ocations per mile

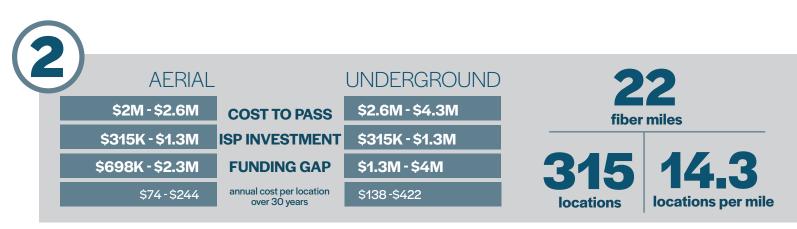
INVESTMENT = \$38.6 - \$84.8 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

PETTIS COUNTY.

PROJECT DETAILS







PETTIS COUNTY.

PROJECT DETAILS



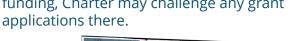
*In this area, density is high enough that an ISP may be willing to deploy with no subsidy.

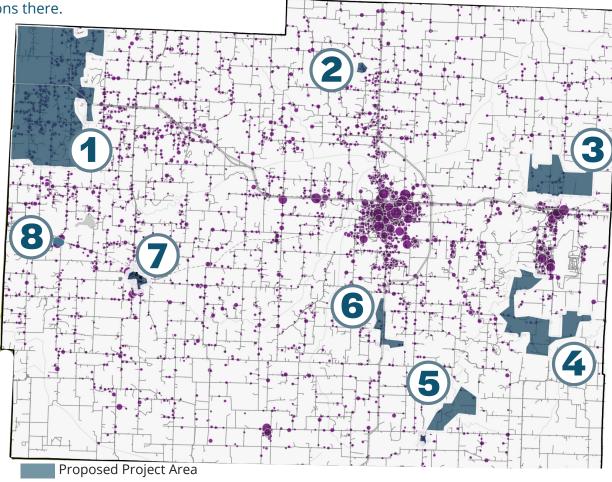


JOHNSON COUNTY_

PROJECT AREAS

Much of Johnson County is funded-to-served via a Rural Digital Opportunity Fund (RDOF) award to Charter Communications. In the remaining unfunded and un/underserved territory, we identified 8 potential project areas. All of these include at least some blocks where the only currently claimed technology is fixed wireless. The largest project area is in the northwest. The rest are evenly distributed throughout the rural parts of the county. Four include towns or villages that are surrounded by Charter RDOF territory: Kingsville, Leeton, Fayetteville, and Holden. Charter is likely to be interested in applying for additional funds to serve these towns. Because several streets in Holden are already covered by RDOF funding, Charter may challenge any grant





Business Locations [the larger the dot the greater the broadband demand]

fiber miles

INVESTMENT = \$ 14.4 - 31.7 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

JOHNSON COUNTY_

PROJECT DETAILS

AFRIAL

\$7.2M-\$9.7M

\$1.2M - \$4.8M

\$2.4M - \$8.5M

\$66-\$234

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

UNDERGROUND

\$9.5M - \$15.9M

\$1.2M - \$4.8M

\$4.6M - \$14.7M

\$128-\$406

81

fiber miles

locations

AFRIAL

\$142K-\$190K

\$28K - \$112K

\$30.4K-\$162K

\$36-\$193

UNDFRGROUND

\$186K - \$313K

\$28K-\$112K

\$74K - \$285K

\$88-\$339

fiber miles

locations

locations per mile

AFRIAL

\$1.5M-\$2.1M

\$127K - \$508K

\$1M - \$2M

\$268-\$504

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$2M-\$3.4M

\$127K - \$508K

\$1.5M - \$3.2M

\$392-\$850

fiber miles

locations per mile



AFRIAL

\$1.8M-\$2.4M

\$108K - \$432K

\$1.4M - \$2.3M

\$419-\$750

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDFRGROUND

\$2.4M - \$3.9M

\$108K - \$432K

\$1.9M-\$13.8M

\$589-\$1,180

fiber miles

locations per mile

JOHNSON COUNTY.

PROJECT DETAILS



AFRIAL

\$1.3M-\$1.8M

\$294K-\$1.8M

\$168K - \$1.5M

\$19-\$170

UNDERGROUND

\$10.7M - \$17.9M

\$374K-\$1.5M

\$9.2M - \$17.5M

\$816-\$1,562

fiber miles

locations

locations per mile



AFRIAL

\$612K-\$819K

\$100K - \$400K

\$212K - \$719K

\$71-\$240

COST TO PASS

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$801K - \$1.4M

\$100K - \$400K

\$401K - \$1.3M

\$134-\$415

fiber miles

locations

locations per mile



AFRIAL

\$1.6M-\$2.1M

\$754K-\$3M

\$0-\$1.4M

\$0-\$60

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$2.1M - \$3.5M

\$754K-\$3M

\$0-\$2.7M

\$0-\$120

fiber miles

*In this area, density is high enough that an ISP may be willing to deploy with no subsidy.



AFRIAL

\$213K-\$286K **COST TO PASS**

\$71K - \$284K

\$0-\$215K

\$0-\$101

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$278K-\$469K

\$71K - \$284K

\$0-\$398K

\$0-\$187

fiber miles

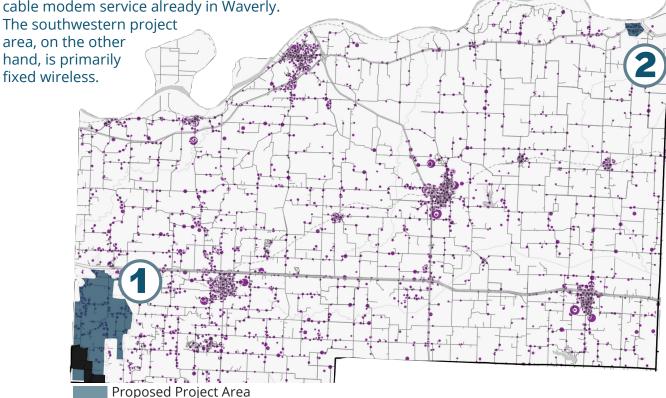
locations per mile

^{*}In this area, density is high enough that an ISP may be willing to deploy with no subsidy.

LAFAYETTE COUNTY_

PROJECT AREAS

Almost all of Lafayette County is funded-to-served via a combination of Rural Digital Opportunity Fund (RDOF) awards to Charter, Air Link, and TurboNet, a state award to Alma Communications, and two recent E-ACAM commitments by Alma and Citizens Telephone to deploy 100/20 services in their ACAM territories. Of the remaining unfunded blocks, we identified two potential project areas. The first covers the southwestern corner of the county. The second includes the town of Waverly. Although these areas are surrounded by existing awards to Charter and Air Link respectively, most of the locations in each area are far enough from funded roads to make them attractive projects. It should be noted that at least one provider claims to offer either fiber or cable modem service already in Waverly.



Business Locations [the larger the dot the greater the broadband demand]

63 1,073 362 17.1 locations business locations | 17.1

INVESTMENT = \$5.6 - 12.3 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

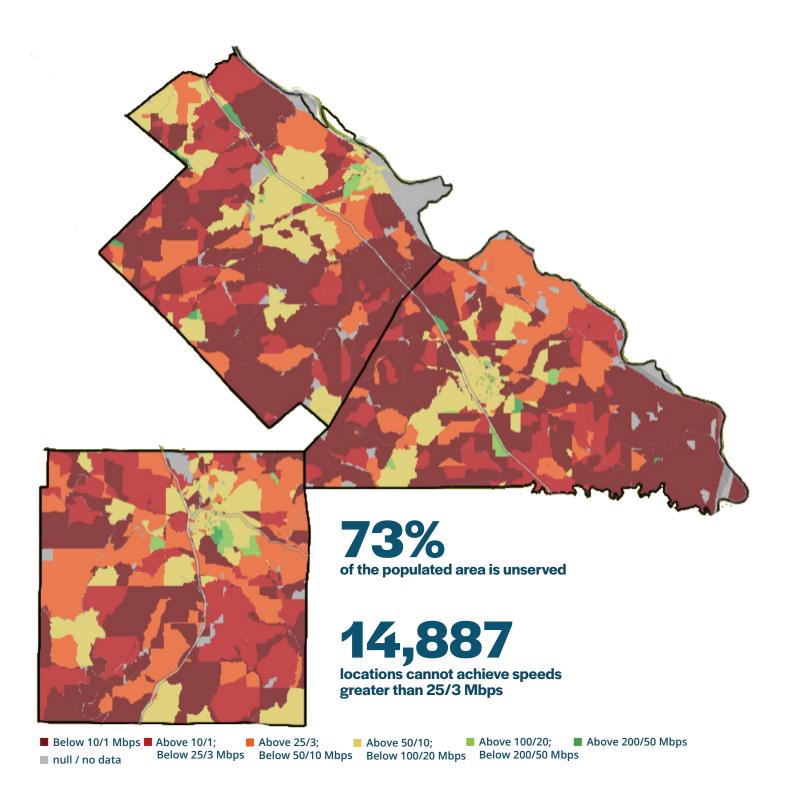
LAFAYETTE COUNTY_

PROJECT DETAILS



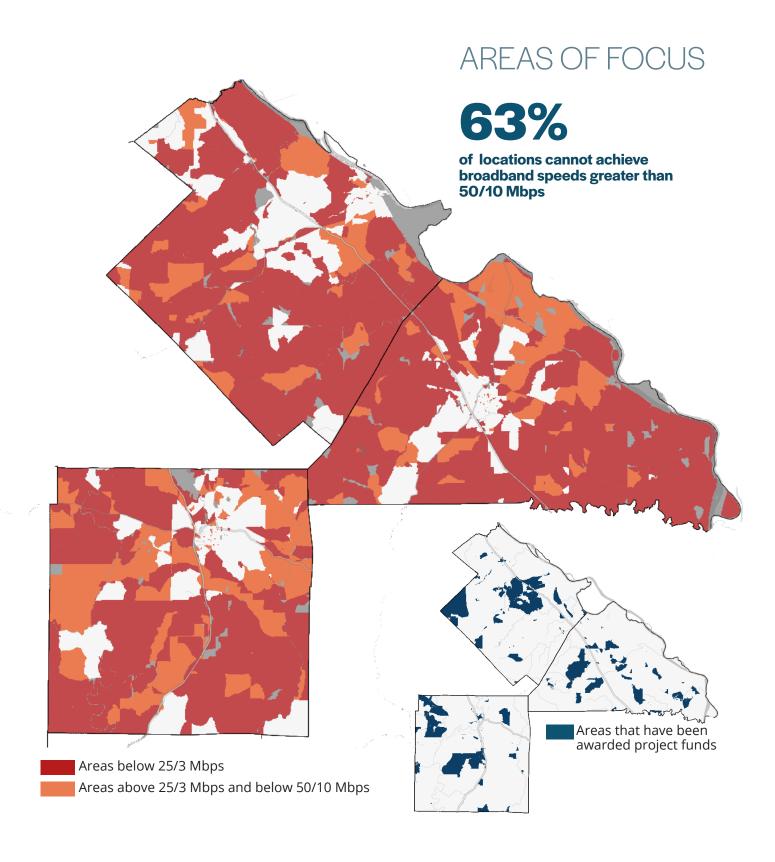


Madison / Ste Genevieve / Perry ______ Project Cluster - Southeast Missouri Regional Planning Commission



Madison / Ste Genevieve / Perry______

Project Cluster - Southeast Missouri Regional Planning Commission

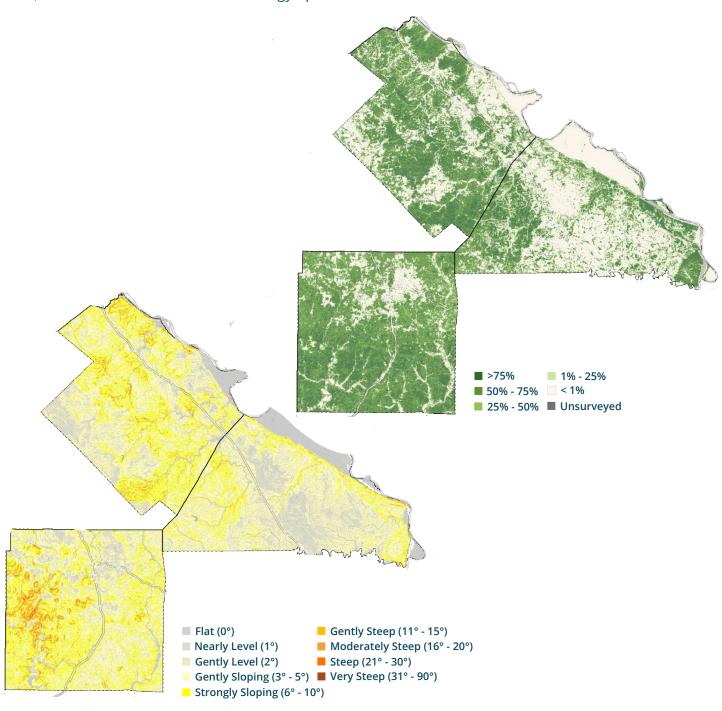


Madison / Ste Genevieve / Perry_

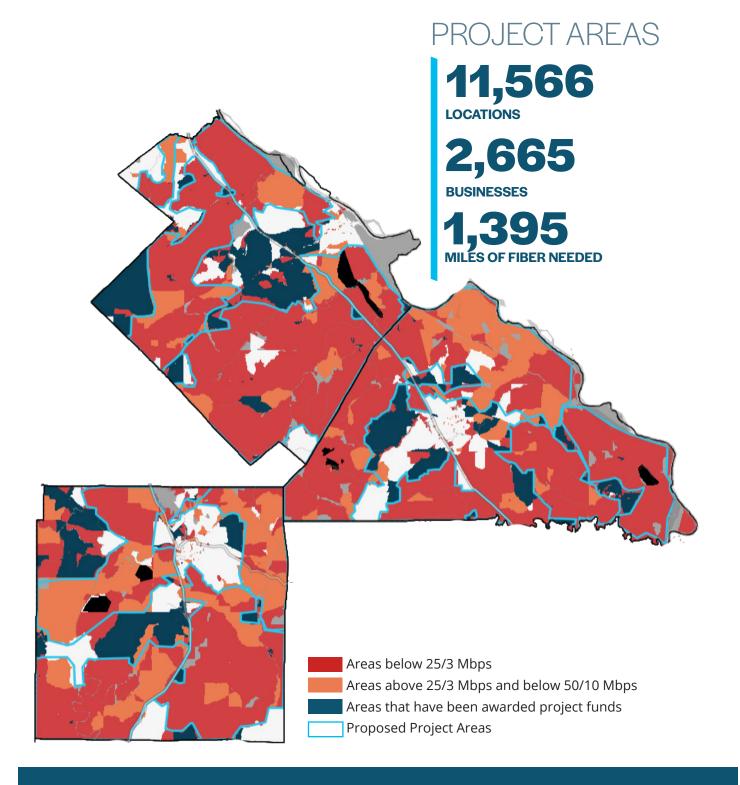
Project Cluster - Southeast Missouri Regional Planning Commission

PLANNING CONSIDERATIONS

Rugged terrain and dense canopy cover can impact deployment costs, route considerations and technology options.



Project Cluster - Southeast Missouri Regional Planning Commission



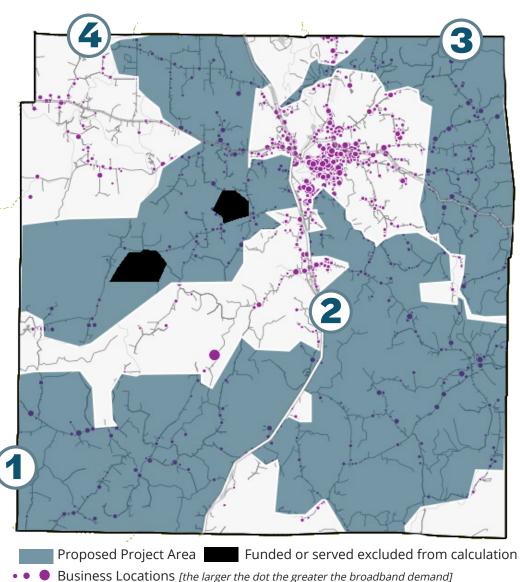
Investment Range = \$124.2 - \$273 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

MADISON COUNTY

PROJECT AREAS

Although Madison County currently has multiple funded areas, much need remains. We have defined four project areas, three of which are contiguous and could be combined to create a single larger project footprint. We did not include the un/underserved locations in the northwest corner of the county due to their proximity to existing funded areas. Many of these locations fall on roads that are boundaries for existing awards, while the rest are on roads that can only be accessed by passing through funded territory. In both cases, it is likely that those locations will be served as part of an existing funded project.



345
fiber miles

2,435

599 business locations

locations per mile

INVESTMENT = \$30.7 - \$67.5 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

MADISON COUNTY_

PROJECT DETAILS

AFRIAL

\$8.1M-\$10.9M

COST TO PASS

ISP INVESTMENT

\$6.7M - \$10.5M

\$374K - \$1.5M

\$592-\$937

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$10.7M - \$17.9M

\$374K - \$1.5M

\$9.2M - \$17.5M

\$816-\$1.562

92

fiber miles

locations per mile

AFRIAL

\$9.3M-\$12.4M

\$806K - \$3.2M \$6M-\$11.6M

\$251-\$480

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

UNDERGROUND

\$12.M - \$20.4M

\$806K - \$3.2M

\$8.9M - \$19.6M

\$369-\$810

104

fiber miles

locations

locations per mile

AFRIAL

\$5.7M-\$7.6M

\$586K - \$2.3M

\$3.4M-\$7M

\$191-\$400

UNDERGROUND

\$7.5M - \$12.5M

\$586K - \$2.3M

\$5.1M - \$12M

\$291-\$680

fiber miles

locations

locations per mile



\$7.6M-\$10.1M

\$669K - \$2.7M

\$4.9M - \$9.4M

\$243-\$470

AFRIAL

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDFRGROUND

\$9.9M - \$16.6M

\$669K - \$2.7M

\$7.2M-\$16M

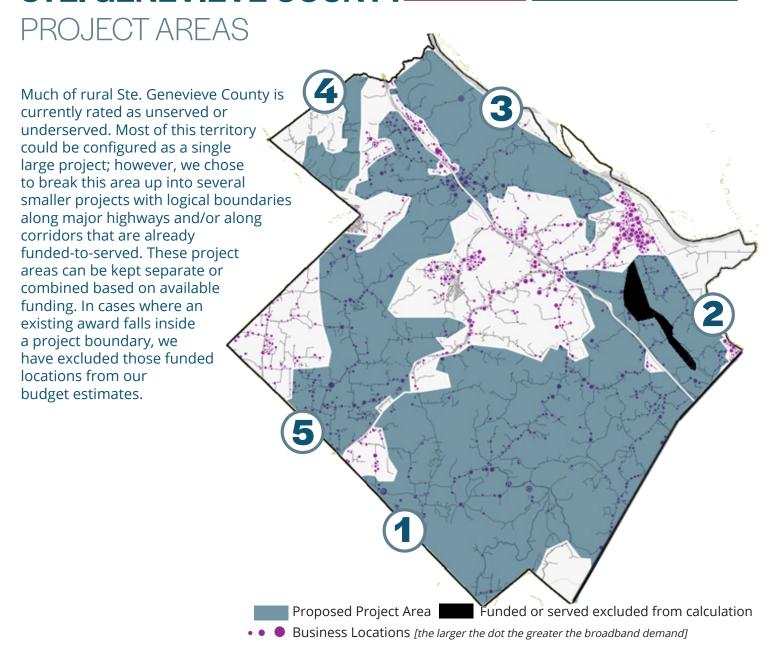
\$359-\$795

fiber miles

locations

locations per mile

STE. GENEVIEVE COUNTY



443 5,575 1,085 12.6 locations | 12.6 locations per mile | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 |

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

STE. GENEVIEVE COUNTY_

PROJECT DETAILS







ST. GENEVIEVE COUNTY_

PROJECT DETAILS

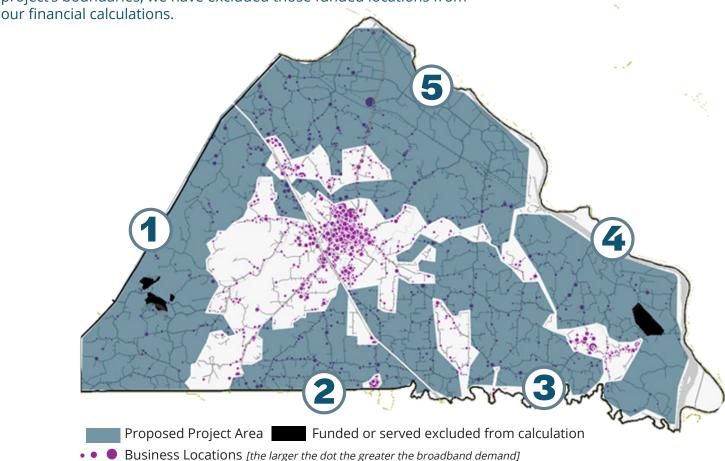




PERRY COUNTY _

PROJECT AREAS

With the exception of Perryville and some of the rural areas surrounding the city, most of Perry County is unserved/underserved and unfunded. To provide flexibility in planning, we have broken this territory into multiple project areas. If sufficient funding is available, the county can combine two or more projects into a single larger proposal. In cases where an existing award falls entirely within a project's boundaries, we have excluded those funded locations from



608 3,556 981 5.9 locations | 5.9 locations per mile | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 1000 | 100

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

PERRY COUNTY

PROJECT DETAILS







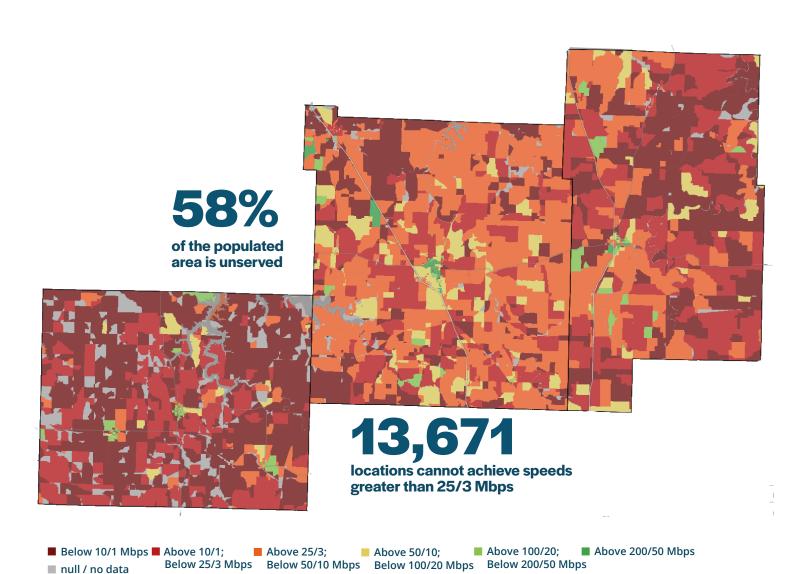
PERRY COUNTY

PROJECT DETAILS





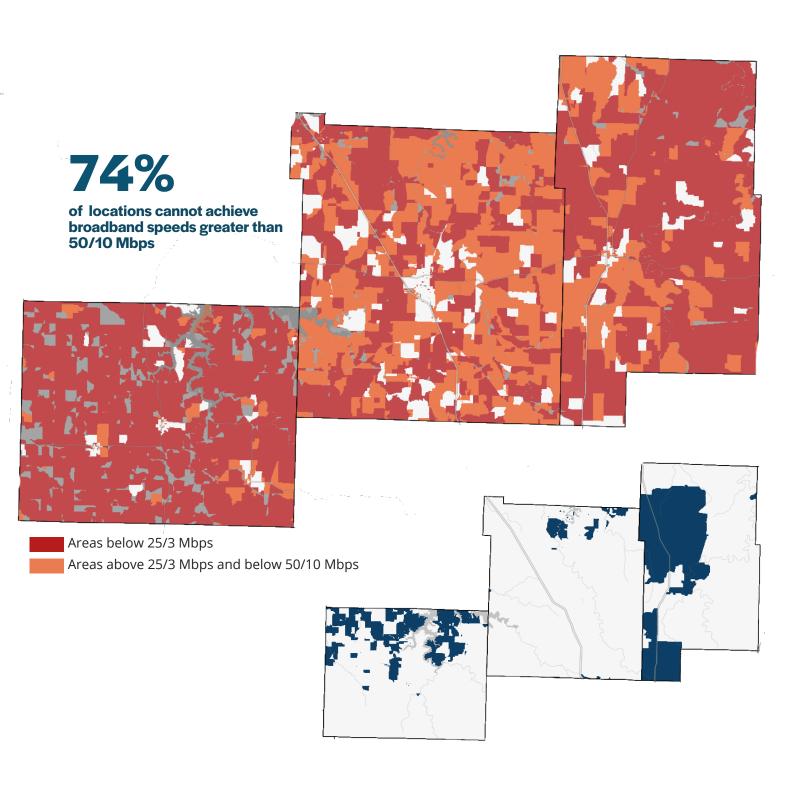
Project Cluster - Southwest Missouri Council of Governments



Dade / Polk / Dallas

Project Cluster - Southwest Missouri Council of Governments

AREAS OF FOCUS

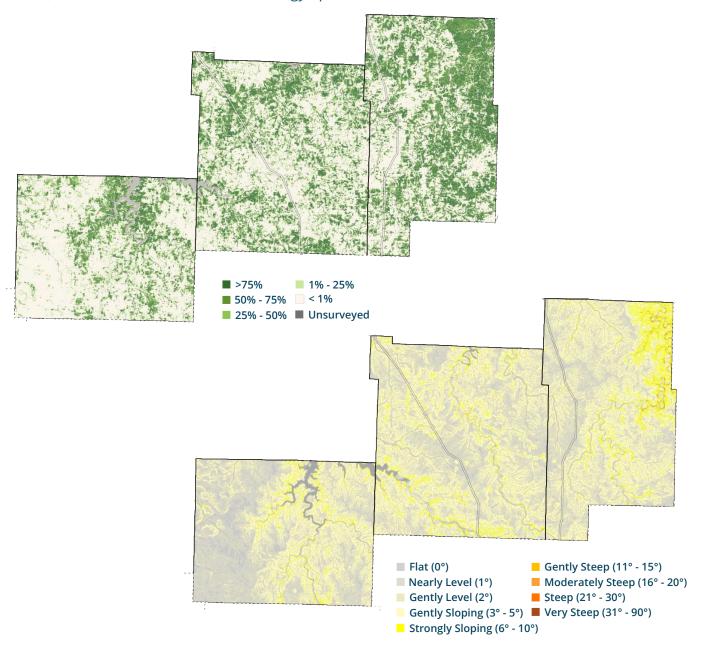


Dade / Polk / Dallas_____

Project Cluster - Southwest Missouri Council of Governments

PLANNING CONSIDERATIONS

Rugged terrain and dense canopy cover can impact deployment costs, route considerations and technology options.



Dade / Polk / Dallas_

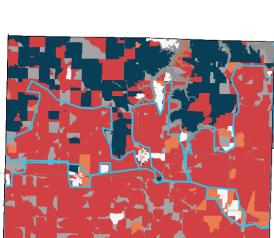
Project Cluster - Southwest Missouri Council of Governments

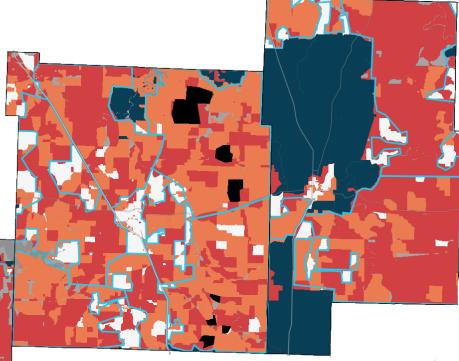
PROJECT AREAS

12,840 LOCATIONS

4,392

BUSINESSES





Areas below 25/3 Mbps

Areas above 25/3 Mbps and below 50/10 Mbps

Areas that have been awarded project funds

Proposed Project Areas

Investment Range = \$180.7 - \$397 million

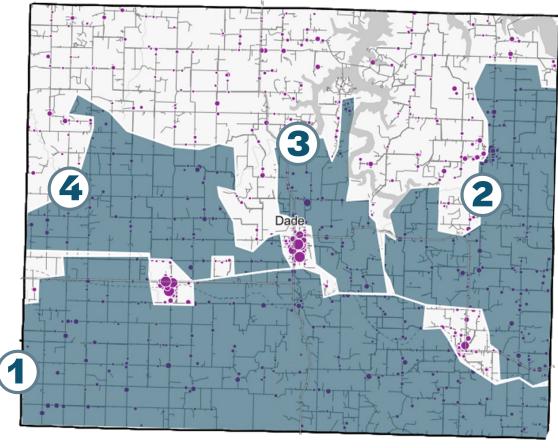
*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

DADE COUNTY.

PROJECT AREAS

With the exception of higher population density communities like Lockwood, Greenfield, and Everton, the majority of Dade County is unserved. South and central Dade include large, continuous areas that rate below 25/3 Mbps punctuated by a handful of blocks that are above 25/3 but still below 50/10 Mbps. To aid in planning, we divided these areas into 4 project areas. If sufficient funding is available, these can be combined into one or more larger project

proposals. It should be noted that, while the northern part of the county appears to have much unserved/ unfunded territory, all of the locations in the unfunded blocks are on roads that serve as funding boundaries. In such cases, the funded provider is likely to serve both sides of the road.



Proposed Project Area

Business Locations [the larger the dot the greater the broadband demand]

557 fiber miles

1,881

551 business locations

3.4 locations per mile

INVESTMENT = \$49.6 - \$109 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

DADE COUNTY

\$26.7M-\$35.7M

\$822K - \$3.3M

PROJECT DETAILS

AFRIAL

COST TO PASS

ISP INVESTMENT

annual cost per location

over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP annual cost per location

over 30 years

\$23.4M - \$34.9M **FUNDING GAP**

\$949-\$1.414

UNDERGROUND

\$34.9M - \$58.7M

\$822K - \$3.3M

\$31.6M - \$57.9M

\$1.283 - \$2.346

300

fiber miles

locations per mile

AFRIAL

\$11.2M \$14.9M

\$550K - \$2.2M

\$9M-\$14.4M

\$543-\$871

UNDERGROUND

\$14.6M - \$24.5M

\$550K - \$2.2M

\$12.4M - \$24M

\$751-\$1,453

fiber miles

locations

locations per mile

AFRIAL

\$3.8M-\$5.1M

\$251K - \$1M

\$2.8M - \$4.9M

\$377-\$649

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$5M-\$8.4M

\$251K - \$1M

\$4M - \$8.2M

\$534 - \$1.088

fiber miles

locations per mile



AFRIAL

\$7.9M - \$10.6M

\$258K - \$1M

\$6.9M - \$10.3M

\$888 - \$1,332

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$10.3M - \$17.4M

\$258K-\$1M

\$9.3M - \$17.1M

\$1,202 - \$2,211

fiber miles

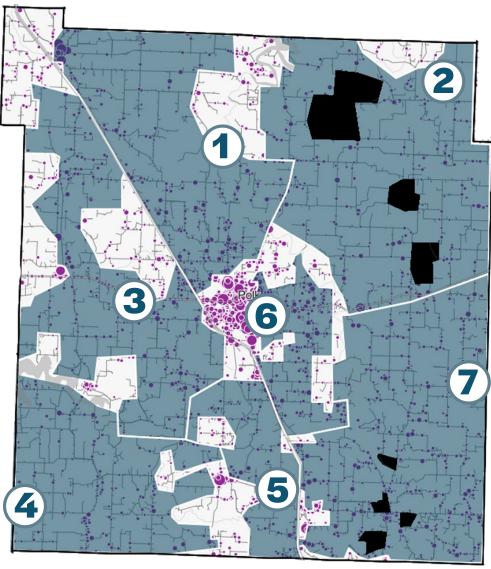
locations

locations per mile

POLK COUNTY

PROJECT AREAS

Other than the areas around Bolivar, Morrisville, and Fair Play, much of Polk County is underserved, with speeds above 25/3 Mbps but below 50/10 Mbps. Mixed in among these areas are multiple blocks that rate below 25/3 Mbps with some unable to achieve 10/1 Mbps. With only a handful of funded-to-served locations, we chose to break the county up into multiple adjacent project areas. Should sufficient funding be available, these could be combined to create one or more larger project areas. The two project areas on the eastern side of the county include several small, funded territories. We excluded the locations in these areas from our budget estimates.



Proposed Project Area Funded or served excluded from calculation Business Locations [the larger the dot the greater the broadband demand]

fiber miles

7,801 2,772

INVESTMENT = \$89.4m - \$196.5 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

POLK COUNTY

PROJECT DETAILS

AFRIAL

\$15.1M \$20.2M **COST TO PASS**

\$1.7M - \$6.7M **ISP INVESTMENT**

\$8.4M - \$18.5M

\$169 - \$371

FUNDING GAP

annual cost per location over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

UNDERGROUND

\$19.8M - \$33.2M

\$1.7M - \$6.7M

\$13M - \$31.5M

\$262-\$631

170

fiber miles

1,66

locations per mile

AFRIAL

\$19.6M-\$26.2M

\$1.2M - \$4.6M

\$15M-\$25M

\$434 - \$725

UNDERGROUND

\$25.6M - \$43M

\$1.2M - \$4.6M

\$21M - \$41.9M

\$609 - \$1,213

fiber miles

locations per mile

AFRIAL

\$13.6M-\$18.2M

\$959K - \$3.8M

\$9.8M - \$17.3M

\$341-\$600

UNDERGROUND

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

\$17.8M - \$30M

\$959K - \$3.8M

\$14M - \$29M

\$487-\$1,008

fiber miles

locations

locations per mile



\$12M-\$16M

\$710K - \$2.8M

\$9.1M - \$15.3M

\$429-\$718

AFRIAL

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$15.7M - \$26.3M

\$710K - \$2.8M

\$12.8M - \$25.6M

\$602-\$1,202

fiber miles

locations

locations per mile

POLK COUNTY

PROJECT DETAILS



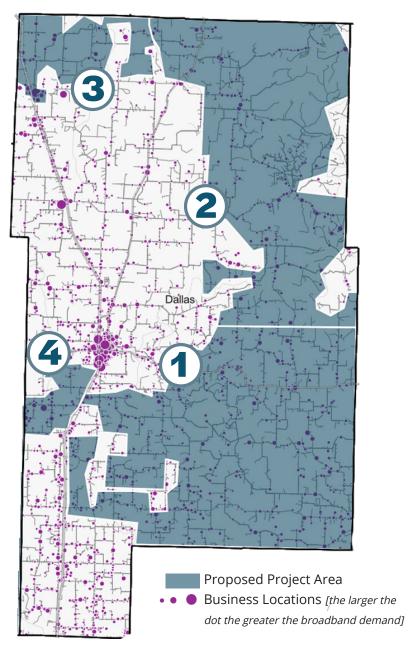


AERIAL		UNDERGROUND	20	15
\$18.2M-\$24.3M	COST TO PASS	\$23.8M - \$40M		miles
\$2M - \$7.9M	ISP INVESTMENT	\$2M - \$7.9M		
\$10.3M - \$23.4M	FUNDING GAP	\$15.9M - \$38M	1,976	9.7
\$174 - \$377	annual cost per location over 30 years	\$268-\$641	locations	locations per mile

DALLAS COUNTY.

PROJECT AREAS

Most of the unserved/underserved areas in the western half of Dallas County are covered by two large existing awards; however, significant need remains in the east. We defined a total of four project areas in the county, two large outlines in the east and two smaller areas in the west. Of the two eastern project areas, area #2 has a higher percentage of unserved vs underserved territory. All four areas share at least one boundary. With sufficient funding, some or all of the areas could be combined into a single larger project.



468 3,158 1,069 6.7 locations locations business locations | 6.7 locations per mile

INVESTMENT = \$41.7 - \$91.6 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

DALLAS COUNTY

PROJECT DETAILS

1

AFRIAI

\$22.2M- \$29.7M COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

\$1.8M - \$7M

\$15M - \$27.9M

\$284-\$525

UNDFRGROUND

\$29M-\$48.8M

\$1.8M - \$7M

\$22M - \$47M

\$413 - \$884

249

iber miles

1,771

7.1 locations per mile

2

AFRIAL

\$14.2M- \$19M **COST TO PASS**

\$895K-\$3.6M

\$10.6M - \$18M

\$394-\$671

UNDERGROUND

\$18.5M - \$31.1M

\$895K - \$3.6M

\$14.9M-\$30.2M

\$556 - \$1,125

159
fiber miles

895

5.6 locations per mile

3

AERIAL

\$3.7M-\$5M

\$379K - \$1.5M

9073IC 91.3IVI

\$2.2M - \$4.6M

\$194 - \$404

UNDERGROUND

\$4.9M - \$8.2M

\$379K - \$1.5M

\$3.3M - \$7.8M

\$295-\$686

42

fiber miles

379

9.1 locations per mile



AERIAL

\$1.6M-\$2.2M

\$113K - \$452K

\$1.2M - \$2M

\$344-\$604

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$2.1M - \$3.6M

\$113K - \$452K

THOIL THEEL

\$1.7M - \$3.4M

\$491-\$1,015

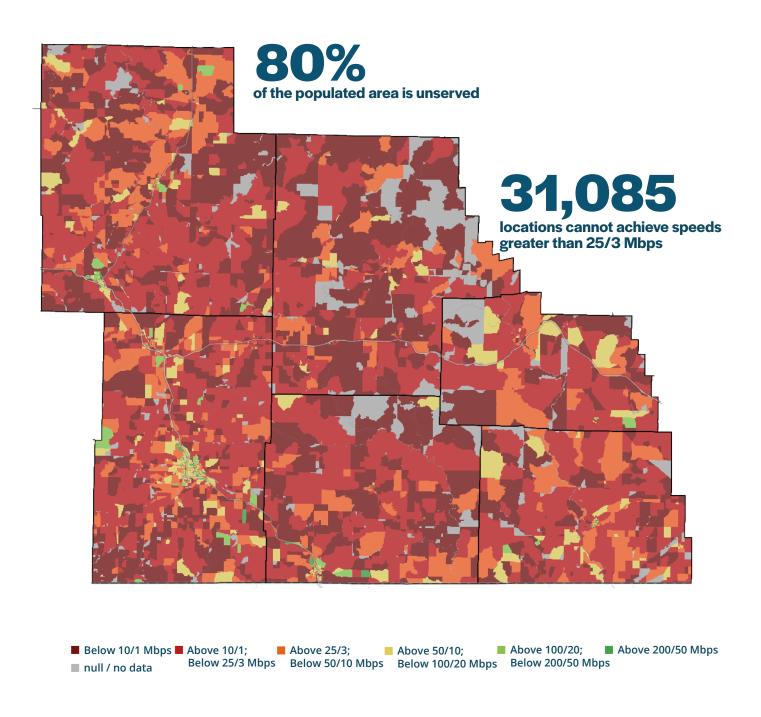
18 fiber miles

113 locations

6.2 locations per mile

Texas / Howell / Shannon Oregon / Ripley / Carter

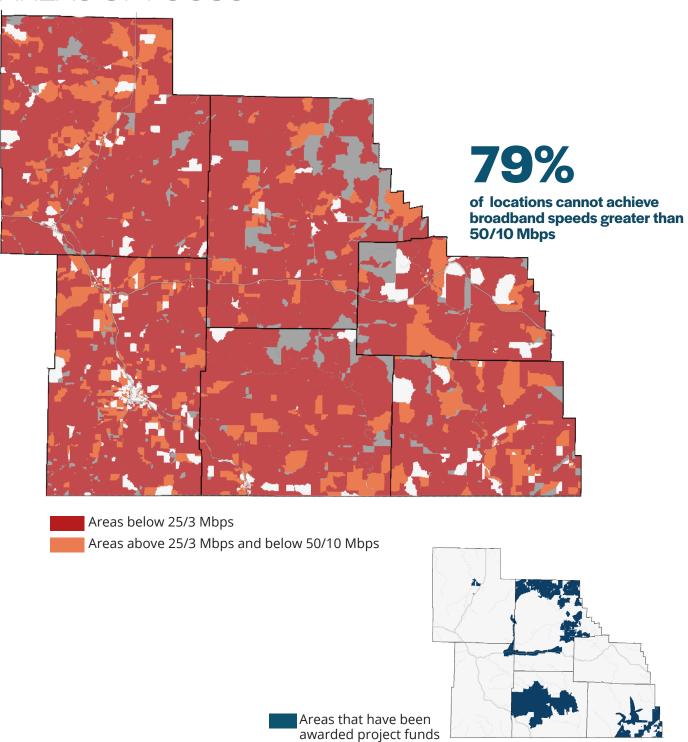
Oregon / Ripley / Carter — — — — — — — — Project Cluster • South Central Ozark Council of Governments Ozark Foothills Regional Planning Commission



Texas / Howell / Shannon

Ozark Foothills Regional Planning Commission

AREAS OF FOCUS



Texas / Howell / Shannon

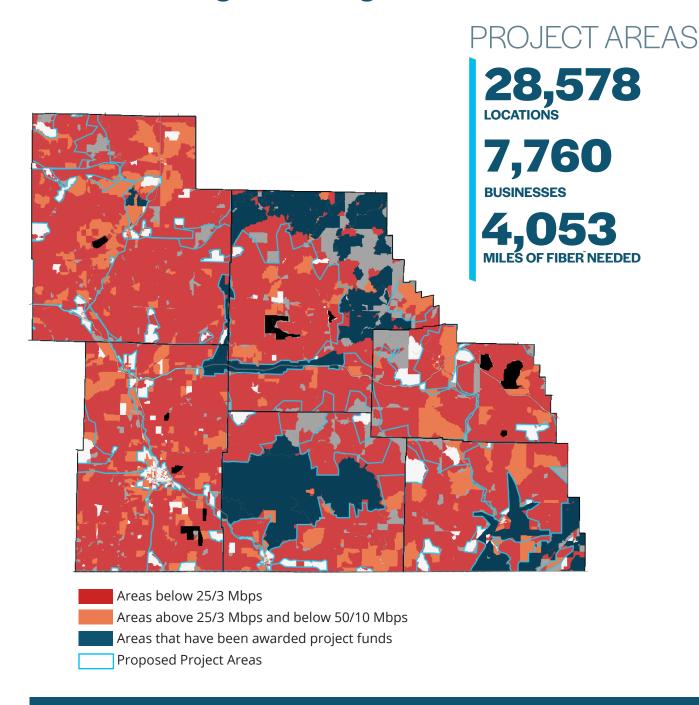
Ozark Foothills Regional Planning Commission

PLANNING CONSIDERATIONS

Rugged terrain and dense canopy cover can impact deployment costs, route considerations and technology options. **■** 50% - 75% **■** < 1% ■ 25% - 50% ■ Unsurveyed Flat (0°) Gently Steep (11° - 15°) Nearly Level (1°) ■ Moderately Steep (16° - 20°) Gently Level (2°) Steep (21° - 30°) Gently Sloping (3° - 5°) ■ Very Steep (31° - 90°) Strongly Sloping (6° - 10°)

Texas / Howell / Shannon Oregon / Ripley / Carter -

Project Cluster - South Central Ozark Council of Governments
Ozark Foothills Regional Planning Commission



Investment Range = \$360.7 - \$792.7 million⁺

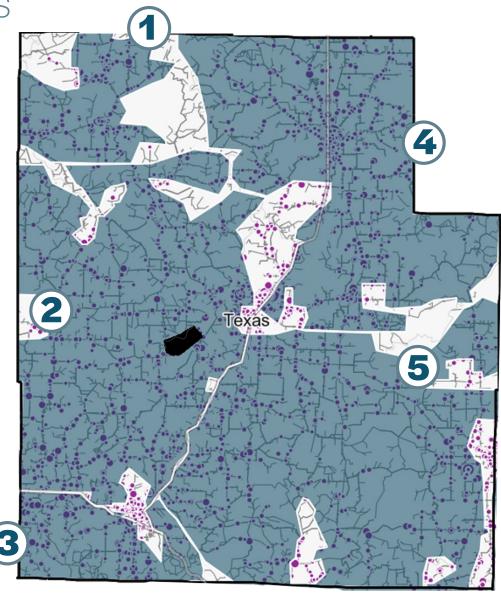
*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

† The Investment range for this cluster area may be lower; due to carriers electing to participate in E-ACAM that can impact eligibility for BEAD funding

TEXAS COUNTY

PROJECT AREAS

With the exceptions of towns like Cabool and Houston and a handful of existing awards that will bring broadband to specific areas, Texas County is mostly unserved/underserved. Given the scope of the need, we divided the county up into 5 project areas. If sufficient funding is available, one or more of these areas can be combined to create a larger project area. Project areas #2, #3, and #4 include some blocks where one or more providers claim to offer cable modem service, with the rest of the territory claimed only by fixed wireless providers. Areas #1 and #5 have no cable providers.



Proposed Project Area Funded or served excluded from calculation

Business Locations [the larger the dot the greater the broadband demand]

1,374 8,920 2,822 6.5 locations business locations

INVESTMENT = \$122.3 - \$268.8 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

TEXAS COUNTY.

PROJECT DETAILS

AFRIAL

\$8.2M-\$10.9M **COST TO PASS ISP INVESTMENT** \$859K - \$3.4M

\$4.7M - \$10M

\$182-\$389

UNDERGROUND

\$10.6M - \$17.9M

\$859K-\$3.4M

\$7.2M - \$17M

\$280 - \$667

92

fiber miles

locations

locations per mile

AFRIAL

\$36.2M-\$48.4M **COST TO PASS**

ISP INVESTMENT \$2.3M - \$9.2M

\$27M - \$46.1M

\$393-\$671

UNDERGROUND

\$47.3M - \$79.5M

\$2.3M - \$9.2M

\$38.2M - \$77.4M

\$555-\$1,124

407

fiber miles

locations per mile



AFRIAL

\$10.3M-\$13.8M

\$756K-\$3M

\$7.3M - \$13M

\$320-\$573

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location

over 30 years

FUNDING GAP

annual cost per location

over 30 years

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$13.5M - \$22.6M

\$756K-\$3M

\$10.4M-\$21.8M

\$460-\$963

fiber miles

756 locations

locations per mile

TEXAS COUNTY_

PROJECT DETAILS

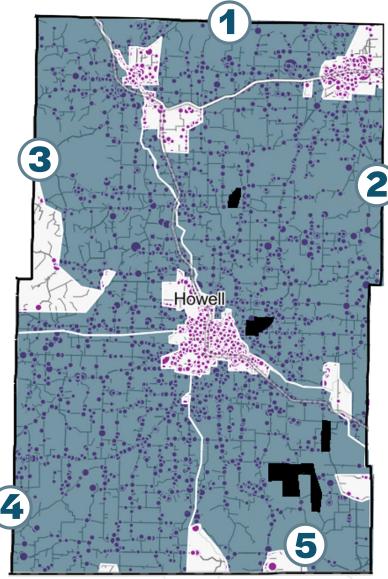




HOWELL COUNTY

PROJECT AREAS

Most of Howell County is currently rated as either underserved or unserved. Exceptions include the areas around Willow Springs and West Plains as well as a handful of rural blocks that rate above 50/10 Mbps. To allow flexibility with planning, we have divided the county into 5 project areas. If sufficient funding is available, one or more of these areas can be combined to create a larger project area. Project areas #2 and #5 include a few blocks that rate above 100/20 Mbps. We have excluded those locations from our budget estimates, as they would not be eligible for funding. Area 2 has some overlap with E-ACAM commitments. That area was not excluded from our estimates due to time contraints.



Proposed Project Area Funded or served excluded from calculation

Business Locations [the larger the dot the greater the broadband demand]

824 fiber miles

9,707 3
bus

3,119 business locations

11.8 ocations per mile

INVESTMENT = \$73.3 - \$161.2 million[†]

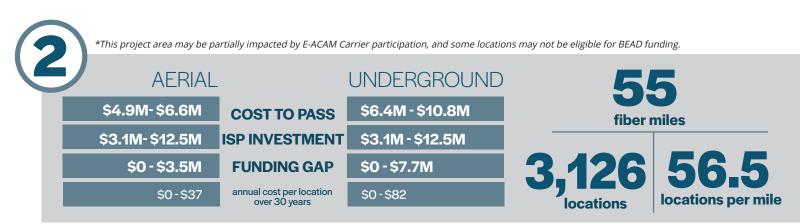
*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

† The Investment range for this cluster area may be lower; due to carriers electing to participate in E-ACAM that can impact eligibility for BEAD funding

HOWELL COUNTY

PROJECT DETAILS







HOWELL COUNTY

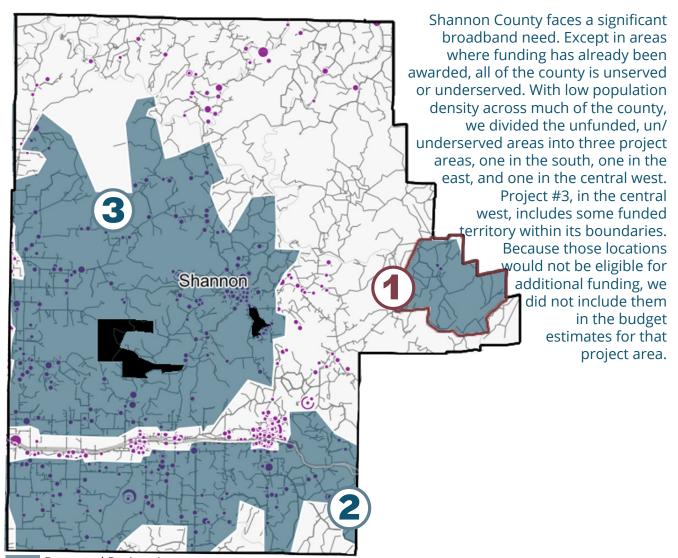
PROJECT DETAILS





SHANNON COUNTY.

PROJECT AREAS



Proposed Project Area

Business Locations [the larger the dot the greater the broadband demand]

#Proposed Project Areas fully impacted by E-ACAM

557 fiber miles

2,384 locations

597 business locations

4.3 locations per mile

INVESTMENT = \$49.6 - \$109 million[†]

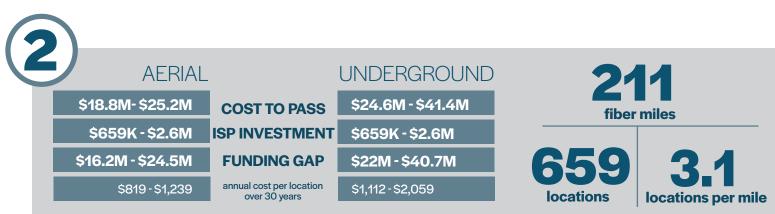
*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

† The Investment range for this cluster area may be lower; due to carrier selecting to participate in E-ACAM that can impact eligibility for BEAD funding

SHANNON COUNTY

PROJECT DETAILS

*This project area has been removed from the county overall calculations due to E-ACAM Carrier participation AFRIAL UNDERGROUND \$3.1M-\$4.1M \$4M-\$6.8M **COST TO PASS** fiber miles \$47K-\$188K **ISP INVESTMENT** \$47K-\$188K \$2.9M - \$4.1M **FUNDING GAP** \$3.9M - \$6.8M annual cost per location \$2.065 - \$2.906 \$2,742 - \$4,798 locations per mile over 30 years

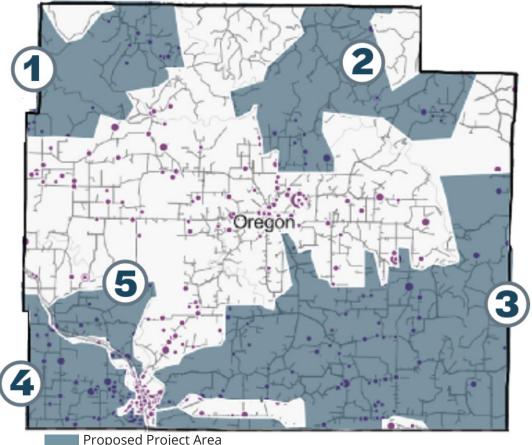




OREGON COUNTY

PROJECT AREAS

Central Oregon County currently is funded-to-served through a January 2023 state ARPA grant. To the north and south of this award territory, however, significant need remains. In the sparsely populated northern third of the county, we identify two project areas, both of which are below 25/3 Mbps. Between them, these projects include nearly all of the locations in this part of the county. In the south, we identified 3 more project areas that include a mix of unserved and underserved blocks (below 50/10 Mbps). Given sufficient funding, these could be combined into a single larger area.



Proposed Project Area

Business Locations [the larger the dot the greater the broadband demand]

fiber miles

INVESTMENT = \$40.2 - \$88.4 million[†]

^{*}Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

[†] The Investment range for this cluster area may be lower; due to carriers electing to participate in E-ACAM that can impact eligibility for BEAD funding

OREGON COUNTY

PROJECT DETAILS

*This project area may be partially impacted by E-ACAM Carrier participation, and some locations may not be eligible for BEAD funding.

AFRIAL

ISP INVESTMENT \$187K - \$748K

\$2.1M - \$3.6M

\$2.8M-\$3.8M

\$368-\$636

COST TO PASS

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$3.7M - \$6.2M

\$187K - \$748K

\$2.9M-\$6M

\$522-\$1,067

fiber miles

locations

locations per mile

AFRIAL

\$7.4M-\$9.9M

\$198K - \$792K

\$6.6M - \$9.7M

\$1,115 - \$1,636

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

COST TO PASS

ISP INVESTMENT

FUNDING GAP

annual cost per location over 30 years

UNDERGROUND

\$9.7M - \$16.3M

\$198K - \$792K

\$8.9M - \$16.1M

\$1,500-\$2,711

fiber miles

locations

locations per mile

AFRIAL

\$21M-\$28.1M

\$1.1M - \$4.5M

\$16.5M-\$27M

\$492-\$803

UNDFRGROUND

\$27.5M - \$46.1M

\$1.1M - \$4.5M

\$23M - \$45M

\$684-\$1,341

fiber miles

locations per mile

OREGON COUNTY

PROJECT DETAILS

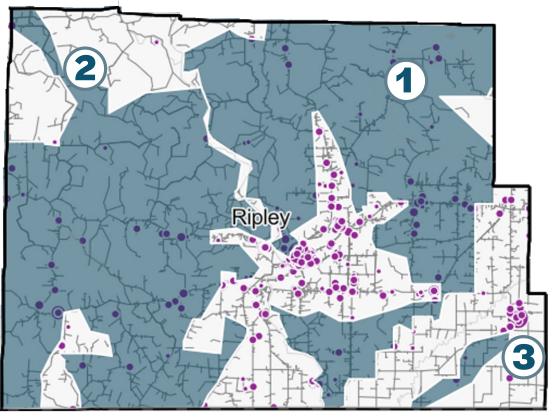




RIPLEY COUNTY

PROJECT AREAS

The majority of western and northeastern Ripley County remains unserved/underserved and unfunded. In the southeast, Rural Digital Opportunity Fund (RDOF) awards should address much of the underserved territory there, while a state award surrounding much of Doniphan will serve portions of the county's central region. We defined two large project areas, one on each side of the Current River, and a third small area that would address a sparsely populated section in the far southeast. It should be noted that we did not include the underserved blocks immediately outside of Doniphan because those locations are likely to be served as part of the state-funded project that surrounds the city.



- Proposed Project Area
- • Business Locations [the larger the dot the greater the broadband demand]

357 fiber miles

2,099 locations

227business locations

5.9 ocations per mile

INVESTMENT = \$31.8 - \$69.8 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the Appendix 1 and 2.

RIPLEY COUNTY

PROJECT DETAILS

AFRIAL UNDERGROUND \$13.3M-\$17.8M \$17.4M - \$29.3M **COST TO PASS** fiber miles \$1.4M - \$5.4M \$1.4M - \$5.4M **ISP INVESTMENT** \$8M-\$16.5M **FUNDING GAP** \$12M - \$27.9M annual cost per location \$196-\$407 \$297-\$691 locations per mile over 30 years

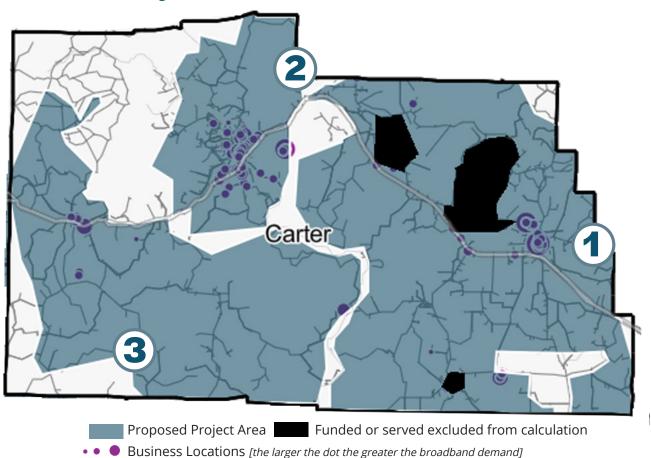




CARTER COUNTY __

PROJECT AREAS

Most of Carter County, including Van Buren, is currently rated as either underserved or unserved, with many blocks unable to obtain speeds above 25/3 Mbps. The only town that includes any served blocks above 100/20 Mpbs is Grandin in the southwest part of the county. Carter County currently has no existing state or federal grant awards. In order to make the most of future grant possibilities, we divided the county into 3 project areas that focus only on speeds below 50/10 Mbps. In project area #1, we excluded 3 sections where speed ratings were above 50/10 but below 100/20 Mbps. These locations are not included in our budget estimate.



454 3,058 692 6.7 locations business locations ber mile

INVESTMENT = \$40.4 - \$88.9 million

*Investment projections take into account the total number of fiber miles, deployment type [aerial or underground] and the computation of low, mid and high project cost. A full explanation of our methodology and calculation tables can be found in the <u>Appendix 1 and 2</u>.

CARTER COUNTY

PROJECT DETAILS







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APPENDIX 1

Broadband Mapping and Methodology

ABOUT THE MAPPING

Statewide, Regional, and County profiles were created under contract by Reid Consulting Group, LLC. for Missouri Association of Councils of Government (MACOG).

Broadband coverage maps are based on a rating system developed by Reid Consulting Group, LLC. Data sources include Ookla Speedtest Intelligence® data licensed by MACOG for the months of December 2020 through December 2023, carrier filings of available speeds with the FCC, carrier reports of actual broadband deployments to USAC (HUBB), RDOF Phase 1 eligibility, and population density.

Unserved and underserved ratings are color coded at the census block and block group level:

- Dark Red: Below 10/1 Mbps
- Red: Above 10/1; Below 25/3 Mbps
- Orange: Above 25/3; Below 50/10 Mbps
- Yellow: Above 50/10; Below 100/20 Mbps
- Light Green: Above 100/20; Below 200/50 Mbps
- Green: Above 200/50 Mbps
- Grey: Areas with no data/ speedtests submitted / no population

We conducted analysis of the raw Ookla® data for the months of December 2020 through July 2023, applying the following filters:

Filter

Include desktop, iOS, and Android app results*

Exclude results with GPS precision of greater than 200 meters**

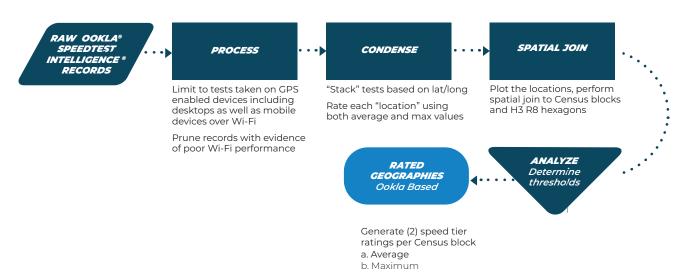
Include only results from fixed broadband providers

^{*}iOS and Android results were included only if the device was connected to wi-fi during the speed test.
** To protect consumer privacy, Ookla® limits location precision to +/-100 meters. As a result, a single location may include multiple households and many individual tests.

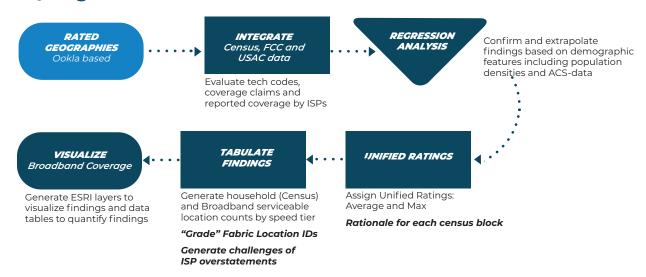
ANALYZING THE DATA

Using the Ookla® results we rated each location based on the maximum of up/down speeds for all tests at that location. We then graded census blocks based on the median up/down rating of all locations within each block. Block-by-block ratings were further refined based on RDOF eligibility, past HUBB deployments, and Form 477/ Fabric availability data. For blocks with no Ookla test results, extrapolated ratings were assigned where possible via comparative analysis of population density, block group ratings, FCC Fabric, HUBB data, and RDOF Phase 1 awards. Areas that could not be assigned an extrapolated rating are shown in gray on the map.

Generating Speed Ratings



Layering Additional Data Sources



BUSINESS BROADBAND OPPORTUNITY INDEX

Business demand for broadband varies based on company size and economic sector. The more employees at any given business location, the greater the demand will be for that location. Certain types of businesses also tend to consume more bandwidth regardless of size. For example, a medical clinic with 50 employees will need significantly more capacity than a construction contractor of similar size.

When planning for broadband expansion, it is important to consider the effect businesses have on overall need. The presence of a high-demand business or multiple businesses of any size in a particular area may make that area significantly more attractive to a broadband provider than the surrounding population density would predict.

The Business Broadband Opportunity Index helps planners visualize this economic impact by mapping the location of every business (as identified by Dun & Bradstreet) with a dot size proportional to that business' expected broadband demand. The larger the dot, the greater the demand. Calculations are as follows:

OPPORTUNITY INDEX = BUSINESS SIZE * INDEX MULTIPLIER

Category	Multiplier
Healthcare	5
Education & Libraries	5
Telecom and IT	5
Banking and Finance	5
Professional Services	4
Publishers	4
Real Estate	3
Hospitality	3 3 3 2
Non-Profit	3
Wholesalers	
Dealers and Retail	2
Transportation	2
Childcare	2
Sports, Music & Arts	2
Religious and Fraterna	
Manufacturing	2
Printing	2
Restaurants & Food	2
Farming	1
Hunting, Fishing	1
Energy	1
Raw Materials	1
Contractors	1
Textiles	1
Unclassified	1

Business Size

Number of employees as reported in Dun & Bradstreet. If count is blank, assume 1 employee.

Index Multiplier

A number from 1-5 based on industry sector.

On the Map

The greater the demand, the bigger the dot. To aid with visualization, comparative rankings from 1 to 10 are also assigned.

APPENDIX 2

Budget Projections

The budget is based on a fiber-to-the-home network with enough capacity to meet demand for the next 30 years. Expected investments and the funding gap will vary based on the area to be served, the population density, and the presence or absence of other services.

COST ESTIMATES

Investment Range

The Project Cluster Investment Range represents the lowest cost to the highest cost of to serve the total number of locations that are identified as below 50/10 Mbps in the entire County Cluster. In most cases the lowest cost represents aerial fiber deployment and the highest cost represents underground fiber deployment. For the individual counties, it is the average of the lowest and highest cost of each project area.

The total cost for each project area is the sum of make-ready and cost-to-pass multiplied by the number of unserved state, county, township, and unincorporated road miles. Estimated cost of electronics also is considered on a location-count basis.

Unserved Miles * (Make-Ready + Cost-to-Pass) + (Number of locations * Network electronics)

Fiber Miles to Reach Target * Cost per Mile = Cost to Pass

ISP Investment

This is the total an internet provider can spend to install fiber and still make a profit, estimated between \$1000 and \$4000 per household. As population density goes down, costs go up while expected investment remains the same.

Households in Service Area * Investment per household

Funding Gap

The funding gap is the difference between the total cost of the project and the available or anticipated private investment. For an internet service offering to be sustainable, grant or other public funding must be used to close this gap.

Funding Gap = Total Projected Cost - ISP Investment

30 Year Annual Cost

The 30 year amortized gap per household is calculated by dividing the funding gap by the total number of locations in the project area, then dividing the resulting figure by 30.

Gap per location = (Funding Gap \div Number of households) \div 30 years

Fiber Miles

Fiber distance is based on the number of unserved state, county, local municipal and unincorporated road miles within the county.

Locations per Mile

Total number of unserved households divided by the number of unserved state, county, township, and unincorporated road miles.

APPENDIX 3

Challenge Process

Reid Consulting Group filed multiple rounds of FCC bulk challenges on behalf of MACOG. These challenges included addresses from across the state and targeted exaggerated claims from DSL providers and licensed fixed wireless carriers. Justification for these challenges combined knowledge of existing infrastructure with statistical analysis of crowdsourced speed test data. Because the FCC does not consider speed test data alone to be a valid basis for challenge, we cited our speed test analysis only as corroborating evidence to our primary infrastructure arguments. Those arguments were as follows:

DSL Cable Plant in Disrepair

DSL service, not only in rural Missouri but also across the rest of rural America, is delivered via twisted pair copper telephone cables that were originally installed in the 1940s-1960s. Most of those cables remain in service today. When delivered over well-maintained lines, DSL is capable of delivering reliable broadband service; however, almost all of our country's landline copper telephone cables are 50+ years old. With a useful lifespan of just 30 years, those cables are no longer to deliver reliable telephone service, let alone broadband.

Based on the decrepit condition of the country's twisted pair landline infrastructure, we challenged any location where a DSL provider claimed speeds above 25/3 Mbps.

Speed Rating Threshold

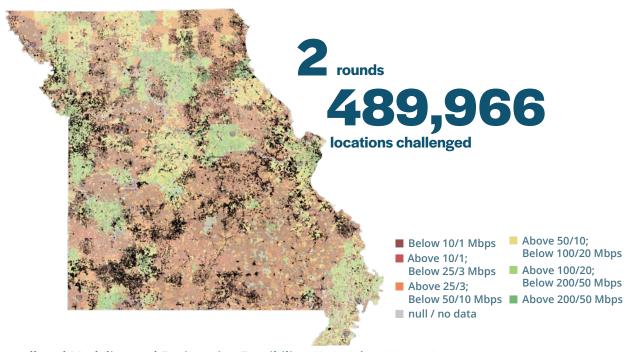
For all technologies, we only challenged locations where our maps showed speeds were below 25/3 Mbps and carrier claims were at least two speed tiers higher. For example, in our first round of fixed wireless challenges, we challenged nearly 48,000 locations that were claimed to be between 100/20 and 200/50 Mbps but which tested below 25/3 Mbps. An additional 27,000+ locations had no test results above 10/1 Mbps. The FCC does not accept this sort of analysis as a challenge justification. We included the data with our challenges anyway, to provide corroboration of our primary justifications and to ensure that the stark difference between carrier claims and citizen reality was documented in public record via the FCC Docket.

Fixed Wireless not a Mass Market Solution

Fixed wireless providers have significantly overstated their technology's geographic coverage and its ability to provide speeds above 100/20 Mbps at mass market takerates. Our bulk challenge justification cited two specific justifications:

Overly optimistic signal propagation model: Fixed wireless carriers draw a 5-mile radius around each of their macro-towers and claim to offer 100/20 (or in some cases, gigabit speeds) to every location within that radius. Because fixed wireless requires line-of-sight transmission, such coverage is possible only in flat terrain. In hilly areas, particularly the steep terrain of the Ozarks, many subscribers will be unable to "see" a fixed wireless tower. To demonstrate just how widespread this problem can be, we conducted detailed, multi-tower viewshed analyses of multiple areas in the state, each representative of the kind of terrain found in that part of the state. Our analysis showed that even moderately rolling terrain included at least some signal shadows. In steep terrain, more locations were without signal than with. To make matters worse, frequencies above 3 GHz are readily absorbed by the water in tree leaves. These microwave band frequencies are now the most popular fixed wireless frequencies, in part because as frequencies rise, so does theoretical data capacity. With much of the southern part of the state heavily forested, signal attenuation makes fixed wireless even less viable.

Limited bandwidth on macro sites: Even if signal propagation were not an issue, bandwidth still would be a problem. For fixed wireless to be a mass-market solution, it must be able to support speeds of at least 100/20 Mbps for 80% of the locations within its coverage radius. Small cell wireless technology is capable of meeting this standard, but all of the providers in Missouri are using only macro towers. For macro-tower fixed wireless, all customers share bandwidth on the same transceiver or, in the best case, on a handful of directional transceivers that divide that tower's territory into quadrants. These transceivers are capable of delivering 100/20 Mbps to a small number of subscribers simultaneously, but if hundreds of subscribers were to connect at the same time, that tower's limited bandwidth would quickly be oversubscribed.



CHALLENGES GROUPED BY RATING

ISP Reported	Max observed	Rating Delta	Location Count	Challenge Statu
6, Above 200/50	1, Below 10/1	5	1,243	Challenged
6, Above 200/50	2, Above 10/1; Below 25/3	4	2,776	Challenged
5. Above 100/20; Below 200/50	1, Below 10/1	4	27,545	Challenged
5. Above 100/20; Below 200/50	2, Above 10/1; Below 25/3	3	47,880	Challenged
4. Above 50/10; Below 100/20	1, Below 10/1	3	6,109	Challenged
4. Above 50/10; Below 100/20	2, Above 10/1; Below 25/3	2	15,658	Challenged
3. Above 25/3; Below 50/10	1, Below 10/1	2	60,546	Challenged
3. Above 25/3; Below 50/10	2, Above 10/1; Below 25/3	1	124,639	Not Challenged
	Locations with a Rating Delta of 2	2 or higher	161,757	Challenged
	Locations with a Rating Delta of 3	1	124,639	Not Challenge

ISP Reported	Max observed	Rating Delta	Location Count	Challenge Statu
6, Above 200/50	1, Below 10/1	5	1,182	Challenged
6, Above 200/50	2, Above 10/1; Below 25/3	4	2,537	Challenged
5. Above 100/20; Below 200/50	1, Below 10/1	4	26,302	Challenged
5. Above 100/20; Below 200/50	2, Above 10/1; Below 25/3	3	44,930	Challenged
4. Above 50/10; Below 100/20	1, Below 10/1	3	2,727	Challenged
4. Above 50/10; Below 100/20	2, Above 10/1; Below 25/3	2	7,741	Challenged
3. Above 25/3; Below 50/10	1, Below 10/1	2	43,362	Challenged
3. Above 25/3; Below 50/10	2, Above 10/1; Below 25/3	1	92,144	Not Challenged
	Locations with a Rating Delta of 2	2 or higher	128,781	Challenged
	Locations with a Rating Delta of 3	1	92,144	Not Challenged

ISP Reported	Max observed	Rating Delta	Location Count	Challenge Statu
6, Above 200/50	1, Below 10/1	5	61	Challenged
6, Above 200/50	2, Above 10/1; Below 25/3	4	239	Challenged
5. Above 100/20; Below 200/50	1, Below 10/1	4	1,243	Challenged
5. Above 100/20; Below 200/50	2, Above 10/1; Below 25/3	3	2,950	Challenged
4. Above 50/10; Below 100/20	1, Below 10/1	3	3,382	Challenged
4. Above 50/10; Below 100/20	2, Above 10/1; Below 25/3	2	7,917	Challenged
3. Above 25/3; Below 50/10	1, Below 10/1	2	17,184	Challenged
3. Above 25/3; Below 50/10	2, Above 10/1; Below 25/3	1	32,495	Not Challenge
	Locations with a Rating Delta of 2	2 or higher	32,976	Challenged
	Locations with a Rating Delta of 1	[32,495	Not Challenge

ISP Reported	Max observed	Rating Delta	Location Count	Challenge Statu	
6, Above 200/50	1, Below 10/1	5	31,510	Challenged	
6, Above 200/50	2, Above 10/1; Below 25/3	4	29,801	Challenged	
6, Above 200/50	3, Above 25/3; Below 50/10	3	68,770	Challenged	
5, Above 100/20; Below 200/50	1, Below 10/1	4	44,655	Challenged	
5, Above 100/20; Below 200/50	2, Above 10/1; Below 25/3	3	46,371	Challenged	
5, Above 100/20; Below 200/50	3, Above 25/3; Below 50/10	2	51,870	Challenged	
4, Above 50/10; Below 100/20	1, Below 10/1	3	6,136	Challenged	
4, Above 50/10; Below 100/20	2, Above 10/1; Below 25/3	2	7,681	Challenged	
3, Above 25/3; Below 50/10	1, Below 10/1	2	41,415	Challenged	
3, Above 25/3; Below 50/10	2, Above 10/1; Below 25/3	1	48,398	Not Challenged	
	the state of the s	1	,		
			328,209	Challenged	
			48,398	Not Challenged	

ISP Reported	Max observed	Rating Delta	Location Count	Challenge Status
6, Above 200/50	1, Below 10/1	5	810	Challenged
6, Above 200/50	2, Above 10/1; Below 25/3	4	2,450	Challenged
5, Above 100/20; Below 200/50	1, Below 10/1	4	30,521	Challenged
5, Above 100/20; Below 200/50	2, Above 10/1; Below 25/3	3	30,065	Challenged
4, Above 50/10; Below 100/20	1, Below 10/1	3	3,673	Challenged
4, Above 50/10; Below 100/20	2, Above 10/1; Below 25/3	2	3,420	Challenged
3, Above 25/3; Below 50/10	1, Below 10/1	2	25,400	Challenged
3, Above 25/3; Below 50/10	2, Above 10/1; Below 25/3	1	26,683	Not Challenged
			96,339	Challenged
			26,683	Not Challenged

ISP Reported	Max observed	Rating Delta	Location Count	Challenge Status	
6, Above 200/50	1, Below 10/1	5	497	Challenged	
6, Above 200/50	2, Above 10/1; Below 25/3	4	774	Challenged	
5, Above 100/20; Below 200/50	1, Below 10/1	4	921	Challenged	
5, Above 100/20; Below 200/50	2, Above 10/1; Below 25/3	3	1,531	Challenged	
4, Above 50/10; Below 100/20	1, Below 10/1	3	2,463	Challenged	
4, Above 50/10; Below 100/20	2, Above 10/1; Below 25/3	2	4,261	Challenged	
3, Above 25/3; Below 50/10	1, Below 10/1	2	16,015	Challenged	
3, Above 25/3; Below 50/10	2, Above 10/1; Below 25/3	1	21,715	Not Challenged	

ISP Reported	Max observed	Rating Delta	Location Count	Challenge Status
6, Above 200/50	1, Below 10/1	5	24,189	Challenged
6, Above 200/50	2, Above 10/1; Below 25/3	4	18,746	Challenged
6, Above 200/50	3. Above 25/3; Below 50/10	3	45,664	Challenged
5. Above 100/20; Below 200/50	1, Below 10/1	4	1,925	Challenged
5, Above 100/20; Below 200/50	2, Above 10/1; Below 25/3	3	2,074	Challenged
5, Above 100/20; Below 200/50	3. Above 25/3; Below 50/10	2	5,861	Challenged

ISP Reported	Max observed	Rating Delta	Location Count	Challenge Status
6, Above 200/50	1, Below 10/1	5	6,014	Challenged
6, Above 200/50	2, Above 10/1; Below 25/3	4	7,831	Challenged
6, Above 200/50	3. Above 25/3; Below 50/10	3	23,106	Challenged
5. Above 100/20; Below 200/50	1, Below 10/1	4	11,288	Challenged
5, Above 100/20; Below 200/50	2, Above 10/1; Below 25/3	3	12,701	Challenged
5, Above 100/20; Below 200/50	3. Above 25/3; Below 50/10	2	46,009	Challenged

CHALLENGES BY COUNTY ROUND TWO

Provider Claimed Speed Maximum Speed Test at Location	Above 25/3; Be	Above 10/1;	Above 50/10; E Below 10/1	Above 10/1;	Below 10/1	Above 10/1;	Above 25/3;	Below 10/1	Above 200/50 Above 10/1;	Above 25/3;	Total Locations
Adair County	59	Below 25/3 45	150	Below 25/3 144	18	Below 25/3 23	Below 50/10 359	173	Below 25/3 716	Below 50/10 518	2205
Cable								111	115	359	585
Sparklight DSL			4					111	115	359	585 4
Mark Twain Rural Telephone Company	1		4								4
Fiber					18	22	359	62	601	159	1221
Bluebird Network LLC Mark Twain Rural Telephone Company					15	22	359	9	6	58 1	73 400
Northeast Missouri Rural Telecommunications					3			45	595	77	720
Socket Telecom, LLC								5		23	28
Fixed Wireless Mark Twain Communications Company	59	45 45	146 121	144 143		1					395 340
T-Mobile US				1							1
UNITED STATES CELLULAR CORPORATION Andrew County	29 34	2	25 2		82	91	127	552	111	445	54 1446
Cable	34	۷	۷		53			332	1111	443	222
Optimum					53	42	127				222
DSL Brightspeed	17 16		2								19 16
Windstream Missouri, Inc.	10		2								3
Fiber								552	111	445	1108
Bluebird Network LLC								15	110	3	19 1089
United Fiber Fixed Wireless	17	2			29	49		537	110	442	97
Mercury Broadband	6	2			20	28					56
T-Mobile US Atchison County	11 154				9	21		78	519	981	41 1732
DSL	145							/8	213	301	1/32
Brightspeed	1										1
Rock Port Telephone Company	144							70			144
Fiber IAMO Telephone Company								78 3	519 53	981 319	1578 375
Midwest Data Center								75	304	33	412
Rock Port Telephone Company									162	629	791
Fixed Wireless T-Mobile US	9										9
Audrain County	200	6	3	7	185	142	424	150	110	237	1464
Cable					132						514
Charter Communications Inc DSL	19		2	4	132	68 5	314		2		514 32
Brightspeed	17			······································		•					17
Windstream Missouri, Inc.	2		2	4	pananananananan	5			2		15
Fiber Air Link Rural Broadband, LLC					27 19	25 8		150	108	237	657 109
Bluebird Network LLC					15	0	1	17	26	42	86
Callabyte								9	10	7	26
Charter Communications Inc					6	12	6	1	11	1 6	37 10
Kingdom Telephone Co OREGON TELEPHONE CORPORATION								5	4 7	103	115
PHYNX								104	40	74	218
Ralls Technologies, L.L.C. Socket Telecom, LLC					2	5	21	13			28 18
Windstream Missouri, Inc.								13	1 9	4	10
Fixed Wireless	181	6	1	3		44					261
T-Mobile US	86	6			20						156
UNITED STATES CELLULAR CORPORATION VERIZON	85				6						91 7
Windstream Missouri, Inc.	3		1								7 7
Barry County	377	3	14	37					249	754	1787
Cable Cox Communications					38	28 5		15	27	104	268 5
MCC Missouri LLC								15	27	104	146
Optimum					38						117
DSL Brightspeed	117 107		13	37	9	40		12	12		240 109
Windstream Missouri, Inc.	107		11		9	40		12	12		131
Fiber								102	210	650	962
BarryElectricCooperative MISSOURI TELECOM								98 4	199	639	936
Fixed Wireless	260	3	1		40	13		4	11	11	26 317
T-Mobile US	21				11						36
UNITED STATES CELLULAR CORPORATION	202				8						210
VERIZON Windstream Missouri, Inc.	12 20		1								12 21
Wisper ISP, LLC	5	3			21						38
Barton County	90	6	11	20	82	199		161	98		798 248
Cable MCC Missouri LLC								118 118	42 42	88 88	248 248
DSL	2		2	10	22			26	42 15		97
Windstream Missouri, Inc.	2		2	10	22			26	15		97
Fiber Craw Kan Telephone Cooperative Inc.								17	41 35	43	101 83
Craw Kan Telephone Cooperative Inc K-PowerNet LLC								5 12	6		83 18
Fixed Wireless	88	6	9	10	60	179					352
T-Mobile US	31	1			52	93					177
UNITED STATES CELLULAR CORPORATION VERIZON	25 18										25 18
VENICOIN	. 16										18

Provider Claimed Speed Maximum Speed Test at Location		x 50/10 Above 10/1; Below 25/3	Above 50/10; B Below 10/1	Above 10/1; Below 25/3	Above Below 10/1	2 100/20; Below 20 Above 10/1; Below 25/3	00/50 Above 25/3; Below 50/10	Below 10/1	Above 200/50 Above 10/1; Below 25/3	Above 25/3; Below 50/10	Total Location
Wisper ISP, LLC Bates County	1007	5	8	7	8 38	86 16		223	97	220	9 161
Cable MCC Missouri LLC								85	88 88	133 133	30
DSL	969		8	7				85			98
Brightspeed Consolidated Communications	33 10		8	7							3
Craw Kan Telephone Cooperative Inc	156										15
Fastwyre Broadband Fiber	770							138	9	87	77 23
Bluebird Network LLC Conexon Connect LLC								3 69	9	14	9
Craw Kan Telephone Cooperative Inc								38	3	53	9
Fidelity Fixed Wireless	38				38	16		28		20	4 9
T-Mobile US	23				11	14					4
VERIZON Wisper ISP, LLC	7				27	2					3
Benton County DSL	672 68	48	1 1	1 1		77		228	81	187	145 7
Brightspeed	68		1								6
Windstream Missouri, Inc. Fiber				1				228	81	187	49
Co-Mo Connect					(* · · · · · · · · · · · · · · · · · · ·			228	81	187	49
Fixed Wireless Liberty Link	604	48			158	77 2					88 1
T-Mobile US	138	48			108	75					36
UNITED STATES CELLULAR CORPORATION VERIZON	353 1				35						38
Wisper ISP, LLC Bollinger County	102 16				15 67	15	1	20		3	11 12
Cable	10				13	13		20			1
Charter Communications Inc Fiber					13 22	2	1	20		3	1 4
Charter Communications Inc					22	2	1				2
GoSEMO, LLC Sho-Me Technologies, LLC								19 1		3	2
Fixed Wireless	16				32	13					6
T-Mobile US VERIZON	11 5										1
Wisper ISP, LLC		440	44		32	13	672	200	740	4766	4
Boone County Cable	652	148	41	58	658 51	1172 155	673 567	308 49	749 300	1766 628	
Charter Communications Inc MCC Missouri LLC					49 2	143 12	528 39	2 47	12 288	39 589	77 97
DSL	403		40	58				7/	200		50
Brightspeed Socket Telecom, LLC	399 4		40	58				·····			49
Fiber					36	22	106	259	449	1138	201
Air Link Rural Broadband, LLC Bluebird Network LLC					31		58 8	1 29	38	200	9 27
Brightspeed					1			7	29	31	6
Callabyte Chariton Valley Communication Corporation								6 3	1 1		
Charter Communications Inc PHYNX						10	33	9	18 16	52 27	12 4
Socket Telecom, LLC					4	12	7	204	346	828	140
Fixed Wireless iZones	249 23	148 144	1		571 442	995 918					196 152
T-Mobile US	122	4			114	77					31
UNITED STATES CELLULAR CORPORATION Buchanan County	104 300	77			15 1430	503	385	372	86	189	11 334
Cable Optimum					262 262	76 76	385 385				72 72
DSL	12				202	70	363				1.
Brightspeed Fiber	12							372	86	189	1 64
Bluebird Network LLC	ļ				(46	5	65	11
United Fiber Fixed Wireless	288	77			1168	427		326	81	124	53 196
Mercury Broadband	143	77			944	402					156
T-Mobile US VERIZON	129 16				205 15	21					35 3
Wisper ISP, LLC Butler County	55	15	2	16	4 548	4 411	244	161	259	765	247
Cable	- 53	19	2	10	18	34	244	136	230	725	138
BOYCOM CABLEVISION INC. Sparklight	ļ				18	34	244	13 123	128 102	378 347	81 57
DSL	5		1	14	(· · · · · · · · · · · · · · · · · · ·	19		15	18		8
Windstream Missouri, Inc. Fiber	5		1	14	13	19		15 10	18 11	40	8 6
Arrowhead Broadband	ļ								2	8	1
Big River Broadband BOYCOM CABLEVISION INC.	<u> </u>							10	5 4	10 22	
Fixed Wireless	50	15	1	2		358					94
T-Mobile US VERIZON	5 20				24 1						2 2
Windstream Missouri, Inc. Wisper ISP, LLC	24 1	4.5	1	1	: 8	1					2 86
Caldwell County	357	15 10	1	1 1		357 196		99	250	411	150

Provider Claimed Speed	Above 25/3; Below		ove 50/10; Be		Above	: 100/20; Below 20			Above 200/50		
Maximum Speed Test at Location		oove 10/1; elow 25/3	elow 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Total Locations
Brightspeed	61		1	1							63
Green Hills Technologies	131										13
Fiber Bluebird Network LLC								99 10	250 61	411 20	76 0
Brightspeed	†			i				10	1		
Grand River Mutual Telephone Corporation								1	1	14	16
Green Hills Technologies				·				88	187	377	
Fixed Wireless Mercury Broadband	165	10			181 55	196 57				: :	552 130
T-Mobile US	144	10			123	139					406
VERIZON	13				3						16
Callaway County	32	3	9	4		30		(185		
Charter Communications Inc.					78	11		8	24	1	
Charter Communications Inc MCC Missouri LLC					78	11	178	8	24	1	26 ⁷ 33
DSL				2						.	2
Kingdom Telephone Co				2						; :	
Fiber					1			234	161		116
Bluebird Network LLC Callabyte	· 	}	i.					1 109	5 93		1 55
Charter Communications Inc					1			2		1	33
Kingdom Telephone Co								34	47	λοοσοσοσοσοσοσο	29:
Socket Telecom, LLC	.:							88	16		29
Fixed Wireless	32	3	9	2	28	19				: : :	9
T-Mobile US UNITED STATES CELLULAR CORPORATION	26				3 1	11		}		}	4(
VERIZON	4		9	2						h	15
Wisper ISP, LLC	1	3			24	8			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	yaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaaa	3
Camden County	123	71			326	590			34		
Cable Cable America					45	96	475	29		3	
Charter Communications Inc					45	96	475	29		3	610
DSL	67				73	50	7/3			ļ	6
Brightspeed	23						,			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	2:
OREGON TELEPHONE CORPORATION	44									<u>.</u>	4
Fiber Charter Communications Inc						1	5	53	34	69 2	16
Co-Mo Connect						1	4	53	34		
Sho-Me Technologies, LLC							1			1	
Fixed Wireless	56	71			281	493				,	901
T-Mobile US	31	1			21	1				ļ	54
UNITED STATES CELLULAR CORPORATION Wisper ISP, LLC	7	70			6 254	492			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	; }	13 834
Cape Girardeau County	70	70			289	126	543	124	24	56	
Cable					163	116	530				809
Charter Communications Inc					163	116	530			ļ	809
Fiber Big River Broadband	· 		······		21	3	13		24	<u> </u>	24 1
Charter Communications Inc	- 				21	2	13	3 1	1 2		39
GoSEMO, LLC	i					2		88	11		120
Ritter Communications						1		32	10	18	
Fixed Wireless	70				105	7					183
T-Mobile US VERIZON	55 15				10	6					7: 1!
Wisper ISP, LLC	13				95	1	<u> </u>			!	9(
Carroll County	377							212	247	224	
Cable						·····	000000000000000000000000000000000000000	120	182		
MCC Missouri LLC	300				·			120	182	98	400
DSL Brightspeed	368									:	36 8
Green Hills Technologies	301									 :	30
Fiber							 	92	65		28:
Bluebird Network LLC								42	3		
Chariton Valley Telephone Corporation								24 26			
Green Hills Technologies Fixed Wireless	9							26	47	93	16
T-Mobile US	9										
Carter County	87		3	6	48	105			6		29
Cable					36	97	35			ļ	168
BOYCOM CABLEVISION INC. DSL					36	97	35	,		<u>.</u>	168
Brightspeed	4		3	6	8	8		5	6	: :	4(
Windstream Missouri, Inc.			3	6	8	8		5	6	(3(
Fiber							1	2			
McCormack Networks	- <u></u>						1	2		<u> </u>	
Fixed Wireless T-Mobile US	83				4					; ; !	8
UNITED STATES CELLULAR CORPORATION	83				4					}	83
Cass County	532	74	345	318		623		/·	401		481
Cable					116	236		114		71	
Charter Communications Inc					12	49 92				; }	41
Fidelity MCC Missouri LLC	- 				33	92	369	94		59	49 15
Xfinity	·				71	95	348			12	
DSL	278		228	139	3	5				(65
AT&Tinc	17		8	26		5					59
Brightspeed	79		3	105							8:
Consolidated Communications MoKan Dial, Inc.	111 71		159 58	105 7						(375 136
Fiber	,1				3	19	12	303	401	500	
riber											

Maximum Speed Test at Location		bove 10/1; selow 25/3	elow 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Below 10/1		Above 25/3; 3elow 50/10	Total Locatio
Charter Communications Inc					2	19	12	97	231	159	5
Conexon Connect LLC					1			204	149	88	4
Google Fiber									17	72	
UPN Fixed Wireless	254	74	117	179	326	363		}-	 -	7	13
Liberty Link	17		11/	1/3	6	303					13
T-Mobile US	142	2	27	8	68	70	}				3
VERIZON	52	35	67	155	36	23					3
Wisper ISP, LLC	43	37	23 43	16	216	270	274	460	20	22	6
Cedar County Cable	186	9	43	53	61 29	66 39	371 371	160	20	33	10 4
Fidelity			*******************************		29	39	371				4
DSL	10		10	38	8	19		12	2		\
Brightspeed	8										
Windstream Missouri, Inc. Fiber	2		10	38	8	19		12 148	2 18	33	1
Conexon Connect LLC								148	18	33	
Fixed Wireless	176	9	33	15	24	8					2
Click Computers Inc.	38	8	27	14	15	7					
T-Mobile US	21										
VERIZON	32						}				
Windstream Missouri, Inc. Wisper ISP, LLC	85	1	6	1	9	1}					
Chariton County	307		16	7	66	32		243	89	92	
Cable								6	23	30	
MCC Missouri LLC								6	23	30	
DSL Minds of the second			5	5	27	32		43	11		
Windstream Missouri, Inc. Fiber		••••••	5	5	27 35	32		43 194	11 55	62	
Air Link Rural Broadband, LLC				·····	35			134			
Chariton Valley Communication Corporation								138	47	18	
Chariton Valley Telephone Corporation								56	8	44	
Fixed Wireless	307		11	2	4						
T-Mobile US	114				2						
UNITED STATES CELLULAR CORPORATION VERIZON	135 17	}			2		}		·····		
Windstream Missouri, Inc.	41		11	2							
hristian County	482	16	15	33	366	416	801	456	689	361	3
Cable					267	285	801	41	6	112	1
Cable America					149	61	315			58	
MCC Missouri LLC Optimum					118	224	486	41	6	54	
DSL	201		15	32	2	9	480				
AT&T Inc	47		13	26	2	9					
Brightspeed	154		2	6							
Fiber								42	35	249	
AT&T Inc						}-		}-	8	45	
Brightspeed K-PowerNet LLC									1	46	
Sho-Me Technologies, LLC				····						1	
Total HighSpeed Internet Solutions					i			42	26	157	
Fixed Wireless	281	16		1	97	122		373	648		1
T-Mobile US	215				60	96		6			
UNITED STATES CELLULAR CORPORATION VERIZON	4 47							3			
Wisper ISP, LLC	7	1			36	25			1		
WON Communications LLC	8	15		1	1	1		364	647		1
lark County	713	417	629	419	497	484	523	531	545	465	
DSL	151			1							
Brightspeed Fiber	151			1					FAF	ACF	
Fiber Bluebird Network LLC					17	23	523	531 29	545	465 62	
Mark Twain Rural Telephone Company				·····	17	23	521		:	6	
Northeast Missouri Rural Telecommunications							2	7	9	381	
yondoo Broadband, LLC								495	456	16	
Fixed Wireless	562	417	629	418	480	461					
Full Speed LLC Mark Twain Communications Company	125 161	175	36 370	332	103	88	}				
T-Mobile US	136	242	127	86	286	373		}-			
UNITED STATES CELLULAR CORPORATION	140		96		89			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~			
lay County	918	286	587	518	1696	1112	1080	2257	949	2791	
Cable					155	359	1045	604	54	402	
Charter Communications Inc MCC Missouri LLC					155	359	1045		FA	402	
MCC Missouri LLC DSL	133		63	194	41	35		604	54	402	
AT&TInc	49		39	194	41	35		······································			
Brightspeed	65		2								
Consolidated Communications	19		22								
Fiber					26	34	35	1653	892	2389	
AT&T Inc						1		8	70	107	
Bluebird Network LLC Charter Communications Inc	.				19	31	31	30 225	20 49	73 263	
Consolidated Communications				<u></u>	19	31	21	223	1	203	
Google Fiber				·····	·····		1	68	136	597	L
Intercept Wireless; Intercept Fiber			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		00000000000			4	3	50	
KC Fiber								6		6	
United Fiber					7	1	3	1312	605	1293	3
UPN Fixed Wireless	790	286	E24	324	1474	684	}		8		4
Intercept Wireless; Intercept Fiber	785	266	524 15	324	14/4	684	}-	{-	3:		4
	347	40	101	45	581	165					1

Provider Claimed Speed	Above 25/3; Belo		Above 50/10; B		Above	100/20; Below 20			Above 200/50		
Maximum Speed Test at Location	Relow 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Total Locations
VERIZON	269	66		232		91		ļ	2		1215
Wisper ISP, LLC Clinton County	103 485	180 49	89 51	47 10	653 370	428 235		818	1 401		1501 300 8
Cable	403	4.5	51	10	370	255		20	38		
MCC Missouri LLC							 	20	38	88	
DSL Brightspeed	128 128						 			: :	128 128
Fiber					9	13		798	363	501	1684
Bluebird Network LLC Charter Communications Inc					9	7		20	4 7	23	47 62
Grand River Mutual Telephone Corporation					9	/	}	39 11	49	51	111
United Fiber						6	grande and the second	728	303		1464
Fixed Wireless Mercury Broadband	357	49 45	51	10	361 97	222 122		}		<u>.</u>	1050 276
T-Mobile US	298	1	10	1	164	26		}		ļ	500
VERIZON	46	3	41	7	8	3					108
Wisper ISP, LLC Cole County	1 252	234	20	2 38		71 1421		193	683	1244	166 5085
Cable					80	418	392	<u> </u>	314	<u> </u>	2045
MCC Missouri LLC					3	10			304	711	1155
Optimum DSL	33		7	38	77	408 1	paaaaaaaaaaaaaaaa	3	10	36	890 79
AT&TInc				6		1					7
Brightspeed	33		7	32			: }		260	407	72
Fiber AT&TInc	+							99	369 1	497	965 2
Bluebird Network LLC							,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	19	50	79	148
Brightspeed Callabyte								30	1 72		
Callabyte Co-Mo Connect			} <u>-</u>				: }	20 37	72 72		
Socket Telecom, LLC			`					23	173		417
Fixed Wireless T-Mobile US	219	234 7	13		528	1002 28		ļ		ļ	1996
UNITED STATES CELLULAR CORPORATION	68		1		35 31	28		{	}	<u> </u>	153 100
VERIZON	9		9:		10			Ì		<u> </u>	28
Wisper ISP, LLC	59 128	227	3 9	109	452 44	974 1		341	41	855	1715 1 52 8
Cooper County DSL	38		8	109				341	71	033	1526
Brightspeed	5						,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			ļ	5
Otelco Mid-Missouri LLC Fiber	33		8	109			: }	341	41	855	150 1237
Bluebird Network LLC	· · · · · · · · · · · · · · · · · · ·							18	6		1237
Co-Mo Connect								269	22		469
Otelco Mid-Missouri LLC Socket Telecom, LLC								54	13	532	7 599
UPN								34	- 13	34	
Fixed Wireless	90		1		44	1				<u> </u>	136
T-Mobile US VERIZON	72		1		44	1	<u> </u>	}		ļ	117 1
Wisper ISP, LLC	18		*					·			18
Crawford County	473	38	89	127		220			37	101	
Cable Charter Communications Inc					30 30	47 46	>			: :	406 391
Fidelity						1	*****				15
DSL	402		3	3	parameter			}		ļ	408
Brightspeed Fidelity Telephone LLC	172 40		3	3				}			178 40
Steelville Telephone Exchange, Inc.	190						; :			i	190
Fiber Charter Communications Inc.					2	4	22		37	101	173
Charter Communications Inc Sho-Me Technologies, LLC					2	4	21	1		1	28 1
Steelville Telephone Exchange, Inc.							1	6	37	100	144
Fixed Wireless	71	38	86	124	107	169		ļ		ļ	595
BlueBit Networks T-Mobile US	20	5	70	112	21 2	13	}	}		:	265 22
Wisper ISP, LLC	7	33	16	12	84	156		<u></u>			308
Dade County Cable	104		1	2	1	9	1	145 145			
MCC Missouri LLC								145	29 29		341
DSL	59		1					Ì		\$ 	60
Brightspeed Fiber	59		1					}	-	<u>.</u>	60 11
Fiber Miller Telephone Company			······		1	8 8	1	}	1	<u> </u>	11 10
SpringNet							;	\$	1		1
Fixed Wireless T-Mobile US	45		ļ	2		1		}	}	<u> </u>	48
UNITED STATES CELLULAR CORPORATION	22		<u> </u>			1	<u> </u>	}	}		22
VERIZON	20									<u></u>	20
Windstream Missouri, Inc. Dallas County	279	6	9	2 5		636		19	94	442	2 1931
DSL	233	o	9	5 5		030		19	94	442	247
Brightspeed	233		9	5			ļ			;	247
Fiber Fidelity			ļ					19 11	94 65		
Total HighSpeed Internet Solutions								8			
Fixed Wireless	46	6	i		441	636		\		, 	1129
T-Mobile US UNITED STATES CELLULAR CORPORATION	37 3				60	47		<u> </u>		:	144 3
OMITED STATES CELEULAN CUNTURATION	. 3							{	\	٠	3
VERIZON	1		:					3	{		1

Provider Claimed Speed	Above 25/3; Bek		Above 50/10; B		Above	100/20; Below 20			Above 200/50	Above 35 to	
Maximum Speed Test at Location	веюж 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Total Location
Daviess County DSL	193 69	35	33 13	78 51	364 78	300 25		107 68	165 20	611	188 32
Grand River Mutual Telephone Corporation	56		·······								5
Windstream Missouri, Inc. Fiber	13		13	51	78:	25		68 39	20 145	611	26 79
Bluebird Network LLC								5	3	67	7
Grand River Mutual Telephone Corporation Green Hills Technologies	}		-	-	-			6	11 21	20 161	3 18
Mid-States Services, LLC	·····							25	110	361	49
United Fiber Fixed Wireless	124	35	20	27	286	275		3		2	76
Mercury Broadband	14	23	4	4	253	253		····			55
T-Mobile US VERIZON	48 8	3	2		16	18					8
Windstream Missouri, Inc.	54	9	14	23	1 16	4					12
DeKalb County	118	16		1	251	81		496	130	180	127
Cable MCC Missouri LLC	{							33 33	31 31	48 48	11 11
DSL	63			1	4						6
Brightspeed Windstream Missouri, Inc.	62			1	4						6
Fiber	1				4			463	99	132	69
Bluebird Network LLC			~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~					29	21	10	6
United Fiber Fixed Wireless	55	16			247	81		434	78	122	63 39
Mercury Broadband	7	16			201	57					28
T-Mobile US	44				45	24					11
VERIZON Windstream Missouri, Inc.	1		-		1						
Dent County	200	8	5	1	198	176	851				143
Cable Fidelity	}				58 58	72 72	851 851				98 98
DSL	144		5	1			051				15
Brightspeed	125		5	1							13
Steelville Telephone Exchange, Inc. Fixed Wireless	19 56	8			140	104					1 30
UNITED STATES CELLULAR CORPORATION	44	······································			12						5
Wisper ISP, LLC	12	8			128	104		176	0.0	400	25
Douglas County Cable	287	50			346	313		176 176	88 88	490 490	175 75
MCC Missouri LLC								176	88	490	75
DSL Brightspeed	33										3
Fixed Wireless	254	50			346	313					96
UNITED STATES CELLULAR CORPORATION	189				62						25
VERIZON Wisper ISP, LLC	3 62	50			284	313					70
Dunklin County	28							1012	848	1485	337
Cable Ritter Communications	 							404 64	491 11	768 34	166 10
Sparklight	1							340	480	734	155
Fiber	<u> </u>							608	357	717	168
empower, delivered by CECC FDF Communications	}							1	1	12 2	1
Kennett City Light Gas and Water								187	316	549	105
MCEC Fiber PD Fiber, LLC	}	}						410	40	154	61
Fixed Wireless	28	{						418	40	154	2
VERIZON	28										2
Franklin County Cable	1110	159	124	118	856 202	1647 431	1217 1182	23	149	130	553 181
Charter Communications Inc					196	418	1092				170
Fidelity DSL	748		33	21	6 15	13 5	90				10 82
AT&TInc	32		33	21 21	15	5					10
Fidelity Telephone LLC	716										71
Fiber Bluebird Network LLC	ļ				23	27	35	23	149	130	38
Charter Communications Inc					23	27	35	2	10	6 3	10
Fidelity								17	13	27	5
Fidelity Telephone LLC Sho-Me Technologies, LLC			<u></u>					4	45 1	83	13
UPN	<u> </u>								80	11	9
Fixed Wireless	362	159	91	97	616	1184					250
BlueBit Networks T-Mobile US	22	6 57	25 9	44	258	298		······			9 82
VERIZON	82	2	54	47	16	6		}.			20
Wisper ISP, LLC Gasconade County	58 401	94	3	5 2	342 16	880 15		35	183	330	138 98
	401		1		10	15		55) 5	183	40	5
Cable								5	11	40	5
MCC Missouri LLC	{			2 '							36 23
MCC Missouri LLC DSL	359 230		1	2				5	-		
MCC Missouri LLC DSL Brightspeed Fidelity Telephone LLC	359 230 129		1	2							12
MCC Missouri LLC DSL Brightspeed Fidelity Telephone LLC Fiber	230		1		1			30	172	290	12 4 9
MCC Missouri LLC DSL Brightspeed Fidelity Telephone LLC Fiber Brightspeed	230		1		1					290 40	12 49
MCC Missouri LLC DSL Brightspeed Fidelity Telephone LLC Fiber Brightspeed Callabyte Fidelity	230		1					18	172 35 3		12 49 9 1
MCC Missouri LLC DSL Brightspeed Fidelity Telephone LLC Fiber Brightspeed Callabyte Fidelity Fidelity Fidelity Telephone LLC	230 129		1		1				35	40	12 49 9 1 38
MCC Missouri LLC DSL Brightspeed Fidelity Telephone LLC Fiber Brightspeed Callabyte Fidelity	230		1			15 15		18	35 3	40 7	12 49 9 1

Provider Claimed Speed	Above 25/3; B		Above 50/10; B		Above	e 100/20; Below 20			Above 200/50		
Maximum Speed Test at Location	Below 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Total Locations
VERIZON	7										7
Gentry County Cable	150		11	21	96	63		484 65	157 51		
MCC Missouri LLC								65	51		
DSL Grand River Mutual Telephone Corporation	25 22		9	21	12	14		11	5	ļ	97
Windstream Missouri, Inc.	3		9	21	12	14		11	5	: 	75
Fiber								408	101		966
Bluebird Network LLC Grand River Mutual Telephone Corporation								28 17	1 9		
United Fiber								363	91		865
Fixed Wireless Mercury Broadband	125		2		84	49				<u> </u>	260 1
T-Mobile US	125				1 83	49					257
Windstream Missouri, Inc.			2								2
Greene County Cable	537	136	45	250	925	784		2206 490	2176 790		12940 4537
Cable America								112	243		\$
MCC Missouri LLC								378	547	2126	
DSL AT&T Inc	108 104		45 41	250 246	16 16	77 77		}		<u> </u>	496 484
Choctaw Telephone Company	4		2							<u> </u>	10
Windstream Missouri, Inc.			2					1556	1227	2624	2 5407
Fiber AT&TInc								1556 19	1227 55	2624 279	
Bluebird Network LLC								32	14		312
Net Vision Communications Sho-Me Technologies, LLC								1	4		1 3
SpringNet								142	1 341		
Total HighSpeed Internet Solutions								1362	816	781	2959
Fixed Wireless T-Mobile US	429 290	136 6			909 126	707 62		160 10	159 8		2500 502
UNITED STATES CELLULAR CORPORATION	36				2			12			50
VERIZON	46				7						53
Wisper ISP, LLC WON Communications LLC	36 21	88 42			758 16	629 16		15 123	8 143	<	1534 361
Grundy County	220				3	2		144	131		
DSL	210									<u> </u>	210
Grand River Mutual Telephone Corporation Fiber	210							144	131	1450	210 1725
Bluebird Network LLC								17	21		
Grand River Mutual Telephone Corporation								35	31		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
Mid-States Services, LLC Fixed Wireless	10				3	2		92	79	1086	1257 15
T-Mobile US	8				3	2				(13
VERIZON	2									200	2
Harrison County Cable	356		1		20			126 17	191 57	<u> </u>	
MCC Missouri LLC								17	57		118
DSL	319										319
Grand River Mutual Telephone Corporation Fiber	319							109	134	845	319 1088
Grand River Mutual Telephone Corporation								109	134	845	
Fixed Wireless T-Mobile US	37 19		1		20 16					<u> </u>	58
VERIZON	17				4						21
Windstream Missouri, Inc.	1		1								2
Henry County Cable	463		3	3	199 27	409 37	246 244		14	40	1382 308
Charter Communications Inc					27	37	244	(<u>.</u>	308
DSL	150		3	3						ļ	156
Brightspeed Consolidated Communications	149 1		2							<u> </u>	154 2
Fiber					2	2	2	5	14		65
Bluebird Network LLC Charter Communications Inc						2		5	10	21	
Socket Telecom, LLC					۷	2			4	15	6 19
UPN										4	4
Fixed Wireless Liberty Link	313 231				170 149	370 366				ļ	853 746
T-Mobile US	52				21					ļ	740
VERIZON	30										30
Hickory County DSL	347 186	31	4 4		512	174					1071 193
Brightspeed	186		4								193
Fixed Wireless	161	31			512	174					878
T-Mobile US VERIZON	146 2				46					ļ	192 2
Wisper ISP, LLC	13	31			466	174			44444	<u> </u>	684
Holt County	816		190	8				695	14	318	
DSL Brightspeed	517 64		190 1	8							715
Fastwyre Broadband	253									<u> </u>	253
Oregon Farmers Mutual Telephone Company	200		189	8				22-			397
Fiber Bluebird Network LLC								695 1	14	318	1027 1
Midwest Data Center			(<u>}</u>		1.4	÷	
								685	14		
United Fiber	300				422			685 9		5	14
	299 299				132 132						

Provider Claimed Speed	Above 25/3; Belov		Above 50/10; B	elow 100/20 Above 10/1;	Above	100/20; Below 20			Above 200/50	Above 25/3;	
Maximum Speed Test at Location	Below 10/1	bove 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Total Locations
DSL	20		1	2							23
Brightspeed Fiber	20		1	2	299	228	324	426	114	154	23 1545
Air Link Rural Broadband, LLC					285	227	324	208	87	12	1143
Bluebird Network LLC					1			19 2	2	18	40 3
Chariton Valley Telephone Corporation Socket Telecom, LLC					13	1		197	25	124	359
Fixed Wireless	41		1	34	1						77
iZones T-Mobile US			1	34	1						35 1
UNITED STATES CELLULAR CORPORATION	34										34
VERIZON Howell County	7 1054	544	3	13	770	1794	790	115	544	643	7 6250
Cable	1054	544	3)	13	770 22	1784 161	780 780	71	243	568	1845
Cable America								71	243	568	882
Fidelity DSL	271		3	13	22	161	780				963 287
Brightspeed	271		3	13							287
Fiber Bluebird Network LLC		}						44 22	301 123	75 38	420 183
Current High Speed						***************************************		13	166	28	207
Fidelity				· · · · · · · · · · · · · · · · · · ·					8	3	11
LTD Broadband NEXT, Powered by NAEC, LLC								1	2	2 2	3 11
Sho-Me Technologies, LLC								7 1	2 2		
Fixed Wireless	783	544			748	1623					3698
Peace Valley Telephone T-Mobile US	17 91	23			45	51					17 210
UNITED STATES CELLULAR CORPORATION	569	23			51	J1					620
VERIZON	17				1						18
Wisper ISP, LLC Iron County	89 95	521	1	1	651 58	1572 3 9	163		1		2833 35 8
Cable	33				50	37	162		-		249
Charter Communications Inc	0.0				50	37	162				249
DSL Brightspeed	86		1	1							88 85
Steelville Telephone Exchange, Inc.	3										3
Fiber							1		1		2
Charter Communications Inc Steelville Telephone Exchange, Inc.							1		1		1
Fixed Wireless	9				8	2					19
T-Mobile US	9 1126	167	705	700	2024	2 1844	F004	1120	1153	4131	19 1897 9
Jackson County Cable	1126	167	735	780	2031 1260	1844 1280	5884 5793	1128 87	33	4151 71	18979 8524
Charter Communications Inc					886	632	3366				4884
Everfast Fiber Xfinity					14 360	39 609	43 2384	87	33	71	96 3544
DSL	292		250	325	71	72	2304	87	33	/1	1010
AT&T Inc	128		244	323	70	72					837
Brightspeed Fiber	164	}	6	2	1 53	65	91	1035	1120	4060	173 6424
AT&T Inc		3			4	12	5	145	352	997	1515
Bluebird Network LLC	ļ				40	2	5	66	27	89	189
Charter Communications Inc Everfast Fiber	·			i	49	50	76	9 4	31 15	31 108	246 127
Google Fiber					······································		3	781	575	2806	4165
UPN Fixed Wireless	834	167	405	455	647	1 427	2	()	120	29	182 3021
T-Mobile US	549	38	485 110	433 57	436	277		6 4			1471
VERIZON	267	112	358	388	133	67		2			1327
Wisper ISP, LLC Jasper County	18 399	17 170	17 2	10 1	78 407	83 405		675	556	4551	223 7166
Cable County	399	170	2	1	407	405		513	423	4551 1812	7166 2748
MCC Missouri LLC								139	122		741
Sparklight DSL	32							374	301	1332	2007 32
Brightspeed	32										32
Fiber								162	133	2739	3034
Bluebird Network LLC Carthage Water and Electric Plant			-					26 89	32 64		172 2576
Craw Kan Telephone Cooperative Inc			····					30	26	155	211
Granby Telephone Company								17	11		71
GTC Broadband Inc Fixed Wireless	367	170	2	1	407	405				4	4 1352
Aire Internet		1	2	1			~~~~~				4
Rise Broadband T-Mobile US	130 90				33						163
UNITED STATES CELLULAR CORPORATION	65	9		·····	59 35	62					220 100
VERIZON	10										10
Wisper ISP, LLC Jefferson County	72 465	160 136	188	175	280 1272	343 1188	2258	55	15	134	855 5886
Cable	465	136	108	1/5	292	310	2258 2227	55	15	134	2829
Charter Communications Inc					292	310	2227				2829
DSL AT&T Inc	52		46 46	110 110	13	42 42					263 263
Fiber	32		40;	110	8	7	31	55	15	134	250 250
AT&T Inc				· · · · · · · · · · · · · · · · · · ·			1	18	1	95	115
Charter Communications Inc Lightwave Communications Ilc					8	7	30	37	14	8 31	
Fixed Wireless	413	136	142	65	959	829		3/	14	21	2544
T-Mobile US	189	38	35	15	102				,	,	537

Provider Claimed Speed	Above 25/3; Bel		Above 50/10; E		Above	100/20; Below 20			Above 200/50		
Maximum Speed Test at Location	Below 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Total Locations
VERIZON	122	18	95	46		19					394
Wisper ISP, LLC Johnson County	102 992	80 228	12 8	4 4		652 841	160	190	128	215	1613 3638
Cable	332	220		•	67	47	153	130	120		267
Charter Communications Inc	260				67	47	153			ļ	267
DSL Brightspeed	268 262		8 4	4 2					} }	:	280 268
Consolidated Communications	6		4	2					}	{ ! !	12
Fiber Bluebird Network LLC					19	27 2	7	190 42		çanının anınının a	586 178
Charter Communications Inc					19	25	7	130			
Liberty Link								12	15		
Socket Telecom, LLC UPN								6	5		23 5
Fixed Wireless	724	228			786	767			<u>}</u>	фессологосососос :	2505
GoNetSpeed : Otelco : I-Land Internet Liberty Link	38 298	53			2 341	325			}	: {	40 1017
T-Mobile US	347	141			264	338			}		1090
VERIZON	13			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	3					 	16
Wisper ISP, LLC Knox County	28 13	34	72	353	176 7	104 4	713	4	10	273	342 1449
DSL	1		31	309							341
Mark Twain Rural Telephone Company Fiber	1		31	309	7	4	713	4	10	273	341 1011
Mark Twain Communications Company						4	/13	2			
Mark Twain Rural Telephone Company					7	4	707			26	744
Northeast Missouri Rural Telecommunications Fixed Wireless	12		41	44			6	2	}	142	150 97
Mark Twain Communications Company	14		41	44					{	 Laan	85
UNITED STATES CELLULAR CORPORATION	12										12
Laclede County Cable	604	154	1	3	380 95	674 153	1092 1092	1	40 38		2949 1378
Cable America									38		38
Fidelity	202				95	153	1092		}	<u> </u>	1340
DSL Brightspeed	292 249		1 1	3					}	; }	296 253
OREGON TELEPHONE CORPORATION	43									<u> </u>	43
Fiber								1	2		3
Brightspeed OREGON TELEPHONE CORPORATION								1	1	((1
Sho-Me Technologies, LLC									1	, ; ;	1
Fixed Wireless	312	154 4			285	521 58			{	} 	1272
T-Mobile US UNITED STATES CELLULAR CORPORATION	74 198	4			40 14	36			} }	: :	176 212
VERIZON	9									(*************************************	9
Wisper ISP, LLC Lafayette County	31 969	150 32	243	682	231 838	463 2044	1414	95	162	294	875 6773
Cable	303	32	243	002	710	1975	1386	33	102		4071
Charter Communications Inc					1					} } }	1
Citizens Cablevision Inc Optimum					440 160	1738 45	981 293			 	3159 498
Xfinity					109	192	112			{ [413
DSL	631		221	623					} {	: }	1475
Brightspeed Citizens Telephone Company of Higginsville Misso	255 376		1 220	3 620					}	: !	259 1216
Fiber				pananananananànaàr 	17	15	28	95	162	294	611
Bluebird Network LLC Charter Communications Inc					16	1 12		54			234 34
Citizens Telephone Company of Higginsville Missour	ri				16	13	2	2 35			
Socket Telecom, LLC					1			4		2	7 28
TurboNet Fixed Wireless	338	32	22	59	111	1 54			1	ļ	28 616
T-Mobile US	253	2				52			}	}	397
VERIZON	82	30	20	57		2					199
Wisper ISP, LLC Lawrence County	3 667	69	84	69	17 700	583	679	189	219	217	20 347 6
Cable					86		190	89	104	195	774
MCC Missouri LLC Optimum					86	110	190	89	104	195	388 386
DSL	134		77	63			150	6	56	ļ L	411
Brightspeed	63			6						· · · · · · · · · · · · · · · · · · ·	69
Choctaw Telephone Company Consolidated Communications, Fidium	70		74	2 1	[}	; {	146 1
Windstream Missouri, Inc.	1		3	54	10	65		6	56		195
Fiber					178		489	94	59	22	
Choctaw Telephone Company				ļ !	1			4	}	1	1
K-PowerNet LLC				haaaaaaaaaaaa	177	157	489			/	823
Miller Telephone Company			,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,					13	5	6	24
Miller Telephone Company MISSOURI TELECOM											140
Miller Telephone Company	533	69	7	6	426	251		77	54		
Miller Telephone Company MISSOURI TELECOM Total HighSpeed Internet Solutions Fixed Wireless Aire Internet			7 7	6							1292 13
Miller Telephone Company MISSOURI TELECOM Total HighSpeed Internet Solutions Fixed Wireless Aire Internet T-Mobile US	252	69 62	7 7	6	125	119					129 2 13 558
Miller Telephone Company MISSOURI TELECOM Total HighSpeed Internet Solutions Fixed Wireless Aire Internet			7.	6		119					1292 13 558 282
Miller Telephone Company MISSOURI TELECOM Total HighSpeed Internet Solutions Fixed Wireless Aire Internet T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC	252 231 10 40	62 7	7		125 51 250	119 132		77	54	15	1292 13 558 282 10 429
Miller Telephone Company MISSOURI TELECOM Total HighSpeed Internet Solutions Fixed Wireless Aire Internet T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Lewis County	252 231 10 40 455	62	7. 7. 105	99	125 51 250 341	119 132	399	77	54	15	1292 13 558 282 10 429
Miller Telephone Company MISSOURI TELECOM Total HighSpeed Internet Solutions Fixed Wireless Aire Internet T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC	252 231 10 40	62 7	7 7 7 105 32	99	125 51 250 341	119 132	399	77	54	15	1292 13 558 282 10 429

Maximum Speed Test at Location		bove 10/1; Selow 25/3	Below 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Below 10/1		Above 25/3; Below 50/10	Total Location
Fiber		selow 25/3		Below 25/3	42	25/3	399	403	1186	74	210
Bluebird Network LLC					42,		333	31	93	12	1
Mark Twain Communications Company								3	2	23	
Mark Twain Rural Telephone Company yondoo Broadband, LLC					42	2	399	369	1091	8 31	4! 149
Fixed Wireless	328	532	73	97	299	776					210
Mark Twain Communications Company	35	16	69	97	214	776					2:
T-Mobile US UNITED STATES CELLULAR CORPORATION	138 155	516	4		214 85	776					164 24
Lincoln County	767	156	38	42	1641	1366	249	826	177	174	543
Cable Charter Communications Inc		}-			156 156	116 116	226 226				49
DSL	246		25	25	36	23	220	22	25		40
Brightspeed	239		1	1	······						24
Consolidated Communications, Fidium Windstream Missouri, Inc.	7		24	24	36	23		1 21	25		16
Fiber					31	4	23	804	152	174	118
Bluebird Network LLC					1		1	11	31	24	
Brightspeed Charter Communications Inc					30	4	22	1	24	9	
Gateway Fiber								10	44	118	17
Socket Telecom, LLC								11	27	14	
yondoo Broadband, LLC Fixed Wireless	521	156	13	17	1418	1223		771	24		7: 33
T-Mobile US	432	1	3 :		656	197					12
VERIZON Windstream Missouri, Inc.	11 18	3	6 1	7 5	4	1					
Windstream Missouri, Inc. Wisper ISP, LLC	60	152	3	5	758	1021					19
Linn County	35		29	1	78	18	30	158	76	68	4
Cable MCC Missouri LLC		}-			36	13	30	11		1	
Optimum					36	13	30	11		1	
DSL	23		23	1	37	5		21	3		1:
Green Hills Technologies Windstream Missouri, Inc.	15 8		23	1	37	5		21	3		
Fiber						3,		126	73	67	2
Chariton Valley Communication Corporation								87	31	63	1
Chariton Valley Telephone Corporation Grand River Mutual Telephone Corporation								26 13	15 27	4	
Fixed Wireless	12		6		5						
T-Mobile US	7				5						
Windstream Missouri, Inc. Livingston County	5 180		6		337	247	339	96	137	502	18:
Cable					334	241	339				91
Zito Media DSL	407				334	241	339				91
Grand River Mutual Telephone Corporation	107 1										10
Green Hills Technologies	106										10
Fiber Bluebird Network LLC								96 19	137	502 27	7
Grand River Mutual Telephone Corporation									4	135	1
Green Hills Technologies								23	101	323	4
Mid-States Services, LLC Socket Telecom, LLC						i		7 47	8	1 16	
Fixed Wireless	73				3	6					
Green Hills Technologies T-Mobile US	52 19				3	6					
VERIZON	2										
Macon County	62		2		2		1	62	57	98	2
Cable Sparklight								23	14 14	23 23	
DSL	17		-					23	14	23	
Brightspeed	17			00000000000000000000000000000000000000			·····			~~~~~~	
Fiber Bluebird Network LLC					2		1	39	43	75 14	1
Chariton Valley Communication Corporation								22	8	38	
Chariton Valley Telephone Corporation								17	32	23	
Mark Twain Rural Telephone Company Fixed Wireless	45		2		2		1				
Mark Twain Communications Company	28		2								
UNITED STATES CELLULAR CORPORATION	14										
VERIZON Madison County	3 112	9	2	<u></u>	444	139	181	1	<u></u>		88
Cable					75	7	163				24
Charter Communications Inc DSL	10		2		75	7	163				2
Brightspeed .	10	}-	1								
Windstream Missouri, Inc.	·····		1		·	· · · · · · · · · · · · · · · · · · ·	····			• • • • • • • • • • • • • • • • • • • •	
Fiber Charter Communications Inc					18 18		18 18	1		~~~~~~	
Sho-Me Technologies, LLC							10	1			
Fixed Wireless	102	9			351	132					5
T-Mobile US Wisper ISP, LLC	67 35	9			52 299	131					1 4
Maries County	262	23	18	43	682	780		6	37		18
DSL Deighborood	224		18	43	6	38		4	37		3
Brightspeed	218 6		13 5	3 40	6	38		4	37		2: 1:
Windstream Wissouri, Inc.		2		70;	J;						
Windstream Missouri, Inc. Fiber GTECH Fiber LLC								2 1			

Provider Claimed Speed	Above 25/3; Belo		Above 50/10; B		Above	100/20; Below 20			Above 200/50		
Maximum Speed Test at Location	Below 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Total Locations
Fixed Wireless	38	23			676						1479
UNITED STATES CELLULAR CORPORATION Windstream Missouri, Inc.	21				5 7					} }	26 12
Wisper ISP, LLC	12	23			664	742	ļ !			i !	1441
Marion County	81	155	156	494	111	342		33	61	74	
Cable Charter Communications Inc	·				58 58	257 257				: } !	908 908
DSL	3		71	173	30					<u> </u>	247
Brightspeed	2										2
Mark Twain Rural Telephone Company Fiber	1		71	173	34	49	312	33	61	74	245 563
Adams Telsystems Inc.					;			6		, 	6
Bluebird Network LLC						2	*nonnonnonnonnonnon	11	20	yanaanaanaanaanaana	Annonnonnonnonnon
Chariton Valley Communication Corporation Charter Communications Inc					1	1	2		35 6		
Mark Twain Rural Telephone Company					20	46	308			5	379
Ralls Technologies, L.L.C. Fixed Wireless	78	155	85	321	13 19	36	1			: :	14 694
Mark Twain Communications Company	38	150	71							; 	583
T-Mobile US	23	5	4			30				ļ	81
UNITED STATES CELLULAR CORPORATION VERIZON	16		2		3		ļ !			ļ !	27
McDonald County	497		39								1874
Cable Cox Communications	ļ				4		31		20	88	
MCC Missouri LLC	+				4		31	67	20	88	35 175
DSL	474		39	19	12	3	ļ	4		ļ	551
Le-Ru Telephone Company McDonald County Telephone and Internet	452		1				: :			; (453 4
OREGON TELEPHONE COPRORATION	4		2	1	2	1					6
OREGON TELEPHONE CORPORATION	15		25	12		2					54
Windstream Missouri, Inc. Fiber	3		11	6	10		: 	4 140	566	372	34 1078
BarryElectricCooperative	·							1	300	19	ýou ou ou ou ou ou ou ou ou o
K-PowerNet LLC										7	
Le-Ru Telephone Company McDonald County Telephone and Internet							ļ	1 120	2 529		
OREGON TELEPHONE CORPORATION								5	1		6
OzarksGo						· · · · · · · · · · · · · · · · · · ·		13	34	26	
Fixed Wireless T-Mobile US	23 23				12 12		ļ			ļ	35 35
Mercer County	1							67			361
Fiber								67	47		
Grand River Mutual Telephone Corporation Fixed Wireless	1						: :	67	47	246	360 1
VERIZON	1									!	1
Miller County Cable	423	112	36	56	1160 93	974 67			45	25	3121 419
Charter Communications Inc	<u> </u>				93	67					419
DSL	24		27	56	42	82		28	44		303
Brightspeed Windstream Missouri, Inc.	2 22		27	56	42	82	: :	28	44	} 	301
Fiber					2			}			·
Charter Communications Inc					2	9	1	1		21	12
Co-Mo Connect Sho-Me Technologies, LLC	†						<u> </u>	1		4	Annonement and the second
Windstream Missouri, Inc.					}	\ 			1	(1
Fixed Wireless T-Mobile US	399	112	9		1023	816				: (2359 8
UNITED STATES CELLULAR CORPORATION	120		2		5 90					:	212
VERIZON	26		4		16		: 			\	46
Windstream Missouri, Inc. Wisper ISP, LLC	93 157	112	1 2		48 864		ļ !		}	}	142 1951
Mississippi County	96	112			445	179	365		4	48	1337
Cable Charter Communications Inc					294 294					 	783 783
Fiber Communications Inc	· · · · · · · · · · · · · · · · · · · ·				294 13			200	4	48	·>
Charter Communications Inc					10	2		3		(15
GoSEMO, LLC Fixed Wireless	96				3 138		<u></u>	197	4	48	252 287
T-Mobile US	96				138					} }	287
VERIZON	4									: 	4
Wisper ISP, LLC Moniteau County	91	1	32	13	2 31	10		394	77	142	791
DSL	15		1		31	10		334		142	16
Brightspeed	8		1							\	9
Otelco Mid-Missouri LLC Fiber	†							394	77	142	
Co-Mo Connect						,		394	yanaanaanaanaanaana		613
Fixed Wireless T-Mobile US	76 33	1	31	13	31 17	10 1	: }			: :	162 51
UNITED STATES CELLULAR CORPORATION	42				4	1				} :	46
VERIZON	J		31	13	000000000000000000000000000000000000000		/			; ; ;	44
Wisper ISP, LLC Monroe County	271	1 15	45	61	10 217			20	51	29	21 1343
Cable	-/-				81	77	253				411
Charter Communications Inc					81	77	253				411
DSL Brightspeed	24 22		8	1	6	14		1	51	(:	105
Windstream Missouri, Inc.	2		8	1				1	51		83
Fiber	1III				125	1	289	19	L	29	463

Maximum Speed Test at Location		Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Total Location
Bluebird Network LLC								9		12	2
Chariton Valley Communication Corporation Chariton Valley Telephone Corporation	-	}-						2 8		2 15	
Charter Communications Inc	·				16		13				
Ralls Technologies, L.L.C.					109	1	276				38
Fixed Wireless Mark Twain Communications Company	247	15	37	60	5 2						36
T-Mobile US	5 11	15	5	56	3 2						1
UNITED STATES CELLULAR CORPORATION	145		1								14
VERIZON	20		1								2
Windstream Missouri, Inc. Montgomery County	66 49		21 24	9		154	164	74	104	203	9 87
Cable					28	96	163				28
Charter Communications Inc					28	96	163				28
DSL Brightspeed	23 12		19	4	54	23		17	31		17 1
OREGON TELEPHONE CORPORATOIN	2										
Windstream Missouri, Inc.	9		19	4	54	23		17	31		15
Fiber Bluebird Network LLC					1		1	57 8		203 25	33
Callabyte	 							33	20	39	
Charter Communications Inc					1		1			3	
Kingdom Telephone Co								4	26	43	
OREGON TELEPHONE CORPORATION OREGON TELEPHONE CORPORATOIN	÷							1	3	1	
PHYNX	†							9	9	83	
Windstream Missouri, Inc.								2	\		1
Fixed Wireless T-Mobile US	26		5	5		35 25					7
T-Mobile US Windstream Missouri, Inc.	15 11		5	5	8	35					5
Morgan County	267	20	6			107	29	707	135	325	185
Cable					3	8	29				4
Charter Communications Inc DSL	30			2	3 12	8 5	29				7
Brightspeed	25		6	Z	13	5		13	4		2
Otelco Mid-Missouri LLC	5										
Windstream Missouri, Inc.			6	2	13	5		13	4		4
Fiber Co-Mo Connect		}-						694 694	131 131	325 325	115 115
Fixed Wireless	237	20			238	94		034		323	58
T-Mobile US	116	6			59	16		,			19
UNITED STATES CELLULAR CORPORATION	79				28				}		10
VERIZON Wisper ISP, LLC	42	14			1 150	78					28
New Madrid County	140				301	24	362	586	139	206	
Cable					243	23	359	65	69	82	
Charter Communications Inc Sparklight	÷				243	23	359	65	69	82	62 21
Fiber	<u> </u>				6		3	521	70		72
BPS Telephone Company					,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			2	7	33	
Charter Communications Inc					5		3		{		22
GoSEMO, LLC PD Fiber, LLC	·				1			222 296	6 57	6 85	>
Fixed Wireless	140	······			52	1					19
T-Mobile US	108				52	1					16
VERIZON Newton County	512	185	33	45	492	1199	1601	345	366	1768	654
Cable	312	103	33		492 97		1601	343 37			
MCC Missouri LLC							1	13	36	188	23
Optimum					97	145	1600			1	
Sparklight DSL	95		33	45	30	53		24 30	79 38		27 32
Brightspeed	5			1							
Le-Ru Telephone Company	70						··· 0000000000000000000000000000000000				
OREGON TELEPHONE COPRORATION	13		5 28	6		1 52		30	30		22
Windstream Missouri, Inc. Fiber	7	}-	28	38	30	52		30 278	38 213	1406	
BarryElectricCooperative								4	(14	2
Bluebird Network LLC									3	14	1
FIBER COMMUNICATIONS of COLUMBUS Granby Telephone Company								265	178	2 1315	
Granby Telephone Company GTC Broadband Inc	†							265	1/8	,	>
K-PowerNet LLC								7	16		2
Le-Ru Telephone Company										25	
Optimum Fixed Wireless	417	185			365	1001		ļ I	1		196
T-Mobile US	87	5			19						13
UNITED STATES CELLULAR CORPORATION	282				26						30
VERIZON Wisper ISP, LLC	13 35	180			2 318	975					1 150
Nodaway County	441	100			318 49		90	340	54	800	
Cable					42		90				13
Optimum	ļ			~~~~	42	5	90				13
DSL Brightspeed	410										41
Fastwyre Broadband	361								}		36
Grand River Mutual Telephone Corporation	40										4
Fiber								340	54	800	119
Bluebird Network LLC Grand River Mutual Telephone Corporation	ļ							3	<u></u>		: :
STATE RIVER WILLIAM TELEBROOPE CONOCATION		- 1						26	25	275	32

The content	Provider Claimed Speed	Above 25/3; Below		10/1- Above 10/1- Above 10/1- Above 25/3- Above 10/1- Above 25/3-								
Description	Maximum Speed Test at Location	Relow 10/1		Below 10/1		Below 10/1			Below 10/1			Total Locations
TRADEPORTS 1. 1	United Fiber				·				308			727
Commons												38
Composition					4.4			272	200	274	743	38
The Management of the Company of the		3/4							400	2/1	/42	484
Billipsender 6			·····	·····								484
Windows				4		8	12		5	25		135
Part			}			0	12			7.5		68 67
Carrier High Speaker		3		4 ;	10		12				742	1271
MACE PROPERTY PARKELLELY When from Machine Components to the property of the p												455
Windows 1985												801
Finest Workerles 1964							ļ					
Table		304							3			304
UNITED STATE CELLULAR CORPORATION 10 10 11 10 6.03 6.22 11 10 5.05 12 12 12 12 12 12 12 12 12 12 12 12 12		()								: :		5
Description										(286
Cable America			00			600	600			250		13
College		236	33	11	8							
Designation 1	vananananananananananananananananananan								(hannaanaanaanaanaa			931
Alfa Inc. Med MONIEC Compenses Moniec Co						1						1
Find		123		11	8	,						143
Mile NO Micro Comparters 1		122	{-	11	0	1						142
Mile No Micro Computers 1		125		11			1		2	2	5	
She he technologies, LC	annonconoconoconoconoconoconoconoconocon											1
UNITID STATE CELLUAN CORPOPATION 40 VERZON 41 41 41 41 41 41 41 41 41 4	Sho-Me Technologies, LLC								2	2	5	9
VELICO 48 38 38 58 58 58 58 58 5			33			601	681			: 		1428
Wigner (FF) LC												61 52
Description Communications in Communications		18	33			583				: :		1315
Rightspase Si	Ozark County	443				47			34	16	2	581
MOXING												84
MEXT, Powered by MACE, LLC 1		81		1	2				24	16	7	84 52
Sho-the Technologies, LLC									(,		
First Wireles									,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(,	3
UNITED STATES CELLULAR CORPORATION 22		362	4			47	32					445
VIRION 28										ļ		6
Milyer 15P, LLC						1				ļ		
Permiscot County	accessoración accessoración accessoración accessoración accessoración accessoración de la contrata del contrata de la contrata del contrata de la contrata del contrata de la contrata del contrata de la contrata del contrata del contrata de la contrata de la contrata de la contrata del contra	panananananananahahanan	4			46	32			 		83
MCK Missouri LLC									815	338	529	
Sparklight Spa												744
DSI		ļ										627
SPS Elephone Company 25		25							1	12	. 44	25
Fiber												25
MCCF Fiber				·	~~~~~							938
Po Fiber, LLC										201	159	419
Fixed Wireless 29			{-							22	00	1
T-Mobile US		29							333	; :	30	29
Petry County			j									4
Cable Charter Communications Inc 91 47 98 233 Charter Communications Inc 91 47 98 233 Fiber 18 21 24 8 8 Charter Communications Inc 8 6 1 521 277 9 8 8 BLP Networks 6 1 1 1 1 9 1 2 2 2 2 2 2 2 3 3 3 3 1 8 2 3 1												25
Charter Communications		8		6	1							1132
Fiber										: 		
Charter Communications				:								230 83
BLP Networks										,	,	83
T-Mobile US VERIZON 1 VISION 1 1 3 512 276 799 PETISC OUNTY Cable Cable Cable Charter Communications Inc Charter Communication Inc Char		8					277			: 		813
VERIZON		ļ		3	1		} <u>-</u>		}	! !		12
Wisper ISP, LLC			}			1	1					8
Pettis County				3		512	276			(792
Charter Communications Inc	Pettis County	902	28	5	10				165	65	382	3086
Citizens Cablevision Inc										: :		897
DSL 180 5 10 1 1		 						Yanananan maranan ka	}	ļ !		
AT&T Inc		180		5	10							110
Brightspeed 164 1										yaaaaaaaaaaaa ! !	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	25
Fiber												165
Bluebird Network LLC		5		2					4.5-		300	7
Charter Communications Inc 1 2 2 14 11 Co-Mo Connect 63 15 48 12 Socket Telecom, LLC 1 16 17 89 12 Wisper ISP, LLC 40 18 104 16 Fixed Wireless 722 28 498 126 8 104 16 GONET Speed: Otelco: I-Land Internet 4 4 4 8 12 8 137 GONET Speed: Otelco: I-Land Internet 4 4 8 12 8 137 137 137 137 137 137 137 137 137 137 14 14 11 14 11 16 17 89 12 137 137 14 16 137 137 14 18 104 16 137 14 14 14 14 14 14 14 14 14 14 14 14 14 14			}			1	2	3				618 188
Co-Mo Connect						1	2	2				
Wisper ISP, LLC 40 18 104 16 Fixed Wireless 722 28 498 126 137 137 GONETSpeed: Oteloo: I-Land Internet 4 4 5 137 5 5 3 3 3 3 3 3 3 3 3 3 3 3 3 46 46 21 5 3 46	Co-Mo Connect								ļautota at tiek tiek tiek tiek tiek tiek tiek tie	15	48	126
Fixed Wireless 722 28 498 126 137 GONetSpeed: Otelco: I-Land Internet 4 4 4 3 3 Liberty Link 10 6 21 3 3 T-Mobile US 188 17 199 56 5 46 UNITED STATES CELLULAR CORPORATION 205 94 56 29 29 VERIZON 5 11 195 49 5 5 Wisper ISP, LIC 310 11 195 49 5 56 Phelps County 839 124 59 33 937 137 1675 251 360 294 56 Cable 330 586 1674 165 225 206 318 Cable America 208 421 484 165 225 206 170								1			<u> </u>	
GONETSpeed: Otelco: I-Land Internet		722	20			400	126		40	18	104	
Liberty Link 10 6 21 3 T-Mobile US 188 17 199 56 6 46 UNITED STATES CELLULAR CORPORATION 205 94 9 29 29 VERIZON 5 94 9 5 6 6 21 29 29 29 29 29 20 56 6 20 56 56 56 6 56 6 7 56 7 56 7 56 7 56 7 56 7 56 7 56 7 56 7 56 7 56 7 56 7 56 7 56 7 56 7 7 56 7 56 7			28									1374 8
T-Mobile US 188 17 199 56 46 UNITED STATES CELLULAR CORPORATION 205 94 29 VERIZON 5 195 49 56 Wisper ISP, LLC 310 11 195 49 56 Phelps County 839 124 59 33 937 1137 1675 251 360 294 570 Cable 330 586 1674 165 225 206 318 Cable America 208 421 484 165 225 206 170		han a same a										37
UNITED STATES CELLULAR CORPORATION 205 94 29 VERIZON 5 1 195 49 56 Wisper ISP, LLC 310 11 195 49 56 56 Phelps County 839 124 59 33 937 1137 1675 251 360 294 570 Cable 330 586 1674 165 225 206 318 Cable America 208 421 484 165 225 206 170		188	17			199		(y		460
Wisper ISP, LLC 310 11 195 49 56 Phelips County 839 124 59 33 937 1137 1675 251 360 294 570 Cable 330 586 1674 165 225 206 318 Cable America 208 421 484 165 225 206 170						94						299
Phelps County 839 124 59 33 937 1137 1675 251 360 294 570 Cable 330 586 1674 165 225 206 318 Cable America 208 421 484 165 225 206 170		panananananananahahanan				405				; }		5
Cable 330 586 1674 165 225 206 318 Cable America 208 421 484 165 225 206 170				59	33			1675	251	360	294	
Cable America 208 421 484 165 225 206 170												3186
	Cable America					208	421	484	165			

aximum Speed Test at Location		bove 10/1; Selow 25/3	Below 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Total Location
Fidelity		25/3		Delow 25/3	91	126	1057	1	DCIOW 25/3	DCIUW 30/10	127
DSL	414		1	3	2			1	2		42
Brightspeed	414		1	2							41
Windstream Missouri, Inc. Fiber	ļ			1	2	4		1 85	2	88	3(
Brightspeed						1	1	83	133	1	grande and the second
Charter Communications Inc	†					1	1				
Fidelity										1	
GTECH Fiber LLC	ļļ							79	129	47	25
Socket Telecom, LLC	ļ							5	2	39	
Steelville Telephone Exchange, Inc. Fixed Wireless	425	124	58	30	605	546		1	1		178
BlueBit Networks	15	124	49	21	المحمدمدمدمدما	9					1,
T-Mobile US	137	59			27	97					32
UNITED STATES CELLULAR CORPORATION	177				35						2:
VERIZON	53										
Wisper ISP, LLC	43	65	9	9	524	440	000		1-0	405	109
ike County Cable	1321	251	3	10	2367 965	731 228	368 149	1389	472	195	71(134
Charter Communications Inc	·	~~~~			965	228	149				134
DSL	1		1	9	1			1	3		
AT&T Inc	1		-		-						
Windstream Missouri, Inc.			1	9	1	13		1	3		
Fiber					178	106	219	1388	469	195	25
Bluebird Network LLC	ļ				13	8	2	104	40	25	
Charter Communications Inc	ļ				73	35	28	234	151	94	
Ralls Technologies, L.L.C.	ļ				8 84	37 26	189	96	4 274	15 61	
yondoo Broadband, LLC Fixed Wireless	1320	251	2	1	84 1223	26 384		954	2/4	61	13 31
T-Mobile US	504	231			282	2		······			7
UNITED STATES CELLULAR CORPORATION	370				183	·····					5
VERIZON	1				1						
Windstream Missouri, Inc.	10		2	1							
Wisper ISP, LLC	435	251			757	382					18
latte County	151	24	100	91	290	323	509	390	290	521	26
Cable Charter Communications Inc		{-			40 40	80 80	496 496				6
DSL Charter Communications inc	89		18	29	40 22	2	490				6 1
AT&TInc	14		18	28	22	2					
Brightspeed	75			1							
Fiber					6	16	13	390	290	521	12
AT&T Inc								1		1	
Bluebird Network LLC	ļ	}-						7	5	4	
Charter Communications Inc					6	14	12	3	4	11	
Google Fiber							1	12	40	172	
United Fiber UPN	 					2		367	236 5	333	9
Fixed Wireless	62	24	82	62	222	225					6
Mercury Broadband	5	6	6	4	>	59					1
T-Mobile US	28		1		hannanananananan d	15				·0000000000000000000000000000000000000	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;
VERIZON	23	5	72	50	10	12					1
Wisper ISP, LLC	6	13	3	5	73	139					2
olk County	153	85	73		263	569		300	1723	59	
District	62		29	158	38	197		35	46		5
Brightspeed Windstream Missouri, Inc.	38		20	156	000000000000000000000000000000000000000	107		25	46		5
Windstream Missouri, Inc. Fiber	24		29	156	38	197		35 29	50	59	
Total HighSpeed Internet Solutions								26	2		
Windstream Missouri, Inc.								3	48	51	
Fixed Wireless	91	85	44	83	225	372		236	1627		27
VERIZON	3							1			
Windstream Missouri, Inc.	79	2	41	67	2	2		9	15		2
WON Communications LLC	3	6		2		369		25	1611		10
WON Communications LLC Ilaski County	6 325	77 91	3 13	14 27	26 537	1 1084	٥	201	1611 1225	4197	19 79
laski County Cable	325	91	13	87	537	1084	8	374 336	1225 1091	4197 4089	
Cable America	:	}						336	1091	4089	55
OSL .	124		12	86	16	117		35	79		4
Brightspeed	119										1
Windstream Missouri, Inc.	5		12	86	16			35	79		
iber	ļ					2	8	3	55	108	
Brightspeed						2	8			1	
GTECH Fiber LLC	}	}-						2	29 26	81	
Windstream Missouri, Inc. Fixed Wireless	201	91		1	521	965		1	26	26	17
T-Mobile US	49	31	1		521 16						
UNITED STATES CELLULAR CORPORATION	105	}			20						1
VERIZON	6	······						1			
Windstream Missouri, Inc.	12			1	4						
Wisper ISP, LLC	29	91	1		481	958;					15
utnam County		3				5		3	379	1681	20
iber								3 3	379	1681	
Grand River Mutual Telephone Corporation	ļ							3		3	
Northeast Missouri Rural Telecommunications	ļ								379	1678	20
Fixed Wireless T-Mobile US	 	3				5					}
I-Mobile US alls County	71	22	11	47	100	314	958	27	33	39	16
Cable	/1	22	11	4/	100 4		956 4		33	39	10
Charter Communications Inc		·····			4		4	· · · · · · · · · · · · · · · · · · ·			
	20					1					;

Provider Claimed Speed	Above 25/3; Be		Above 50/10; i		Above	2 100/20; Below 20			Above 200/50		
Maximum Speed Test at Location	Below 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Total Locations
OREGON TELEPHONE CORPORATION	6										(
Windstream Missouri, Inc. Fiber	:				95	1 313	954	27	33	39	146
Bluebird Network LLC					2		(processor contraction of the co	(marine and a second	9		32
Charter Communications Inc OREGON TELEPHONE CORPORATION					2	4	9		1 2	6	3 21
Ralls Technologies, L.L.C.					91	306	~	()	20		1403
Windstream Missouri, Inc. Fixed Wireless	51	22	11	47	1				1	1	2 132
Mark Twain Communications Company	3	22	8	>	-						80
T-Mobile US UNITED STATES CELLULAR CORPORATION	5 43		3		1						46
Randolph County	312				65	89	187	111	92	334	1190
Cable Charter Communications Inc					56 56	87 87					330
DSL	10				30		107				10
Brightspeed Fiber	10				4	2		111	92	334	10 54 3
Bluebird Network LLC	<u> </u>						<u> </u>	21	13		72
Chariton Valley Communication Corporation								27	12	13	40
Chariton Valley Telephone Corporation Charter Communications Inc					4	2		10	12	100	122 6
PHYNX								34	40	(182
Socket Telecom, LLC Fixed Wireless	302				5		; }	19	27	75	121 30 7
T-Mobile US	17				4						21
UNITED STATES CELLULAR CORPORATION VERIZON	273 12		L		1						274 12
Ray County	512	28	18	44	475	319	2	()	219		3125
Cable MCC Missouri LLC						·		238 238	105 105	639 639	982 982
DSL	343		1					238	103		344
Brightspeed	152		1				ļ				153
Green Hills Technologies Fiber	191						2	77	114	554	191 74 7
Bluebird Network LLC							ļ	1	4	8	13
Grand River Mutual Telephone Corporation Green Hills Technologies							! !	8	38	3 145	3 191
TurboNet	}						2			(2
United Fiber UPN								68	72	392 6	532 6
Fixed Wireless	169	28	17	44	475	319					1052
Intercept Wireless; Intercept Fiber T-Mobile US	15	17			2	22					17
VERIZON	24 111	17	14	29	5 21	22 15	: : :				68 190
Wisper ISP, LLC	19 78	11	3 2		447 192	282 67 6	146	20	12	F-7	777 1207
Reynolds County Cable	/8			5	192		146 2		12	57	1207 4
BOYCOM CABLEVISION INC.					2		2		, 		4
DSL Brightspeed	74 74		2 2	5 1		2					83 77
Windstream Missouri, Inc.				4		2	>				ε
Fiber McCormack Networks					190 190	674 674		39 39	12 12	57 54	1116 1113
Windstream Missouri, Inc.							,			3	3
Fixed Wireless T-Mobile US	4										4
UNITED STATES CELLULAR CORPORATION	1										1
Ripley County Cable	50		27	154	55 29				217		1185 517
BOYCOM CABLEVISION INC.	: :				29 29					1 1	517
DSL	9		27	154	26	137		20	167		540
Windstream Missouri, Inc. Fiber	9		27	154	26	137	 	20 8	167 50	29	540 87
Windstream Missouri, Inc.						· · · · · · · · · · · · · · · · · · ·	;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;;	8	50	29	87
Fixed Wireless UNITED STATES CELLULAR CORPORATION	41 23						: }				41 23
VERIZON	10						ļ				10
Windstream Missouri, Inc. Saline County	8 356	1	42	95	1452	864	1447	402	175	1627	6461
Cable					1276	809	1442				3527
Citizens Cablevision Inc Zito Media					1017 259	674 135					2027 1500
DSL	238		42	95	12	40					427
AT&T Inc Brightspeed	5 14		28			40	 				152 16
Otelco Mid-Missouri LLC	219		1 13			 					259
Fiber					3	1		haaaaaaaaaaaaaa	175	1627	2213
Air Link Rural Broadband, LLC Bluebird Network LLC	: :				3	1	5	13 19	11	128	22 158
Co-Mo Connect							,			8	
Marshall Municipal Utilities Otelco Mid-Missouri LLC	<u> </u>						} !	370	157 7	1227 264	1754 271
Fixed Wireless	118	1		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	161				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		294
T-Mobile US VERIZON	104 14				150	11					265 14
Wisper ISP, LLC		1			11	3					15
Schuyler County	3		2	1	17	9		(12 12		1076
Fiber CITIZENS MUTUAL TELEPHONE	<u> </u>						280	346	12	406 13	1044 13
Mark Twain Rural Telephone Company	:						280	[, !	9	289

Provider Claimed Speed	Above 25/3; Below	50/10	Above 50/10; E	Below 100/20	Above	e 100/20; Below 2	00/50		Above 200/50				
Maximum Speed Test at Location	Below 10/1	bove 10/1; elow 25/3	Below 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Total Locations		
Northeast Missouri Rural Telecommunications		Elow 25/5		Delow 25/5		Delow 25/5	Delow 30/10	346	12		742		
Fixed Wireless	3		2	1	17	9					32		
Mark Twain Communications Company UNITED STATES CELLULAR CORPORATION	3		2	1	17	9					29 3		
Scotland County	10		186	38				9	507	1701	2496		
Fiber CITIZENS MUTUAL TELEPHONE	<u> </u>				11	2	32	9	507	1701 3	·>		
Mark Twain Rural Telephone Company					11	2	31			1	45		
Northeast Missouri Rural Telecommunications	4.0		400				1	9	507	1697	2214		
Fixed Wireless Mark Twain Communications Company	10 10		186 186	38 38							234 234		
Scott County	108				349	186		349	4	117			
Cable Charter Communications Inc	ļ				253 253	127 127	Ασοσοσοσοσοσοσοσο		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		1163 1163		
Fiber					12	1		349	4	117			
Charter Communications Inc GoSEMO, LLC					10 2	1		4	4	117	15 468		
Fixed Wireless	108				84	58		345	4	117	250		
T-Mobile US	107		~~~~~		84	58					249		
VERIZON Shannon County	1 842	75	1	1	342	143	16			2	1 1422		
DSL	85		1								87		
Brightspeed	85		1	1		4	16				87 22		
Fiber McCormack Networks	}					4	1 6 16			2	20		
Sho-Me Technologies, LLC										2	2		
Fixed Wireless T-Mobile US	757 15	75			342 8	139					1313 23		
UNITED STATES CELLULAR CORPORATION	627				104)	\ \ \				731		
VERIZON Wisper ISP, LLC	3 112	75			230	139					3 556		
Shelby County	153	3	121	165	34		284	8	95	52			
Cable					32	77	228				337		
Charter Communications Inc DSL	26		121	111	32	77	228				337 258		
Brightspeed	26										26		
Mark Twain Rural Telephone Company Fiber			121	111	2	6	56	8	95	52	232 219		
Bluebird Network LLC							30	3	53	24			
Chariton Valley Communication Corporation								5	15	22			
Charter Communications Inc Mark Twain Communications Company	<u> </u>					1			27	4	1 31		
Mark Twain Rural Telephone Company					2	5	56			2	65		
Fixed Wireless Mark Twain Communications Company	127 82	3		54 54		3					187 136		
T-Mobile US	1	3				3					7		
UNITED STATES CELLULAR CORPORATION	44 447	47	193	220	336	400	072	100	201	1352	44 4374		
St. Charles County Cable	447	47	193	220	218	409 219		106 4	291 210	1352 1131			
Cable America							24	4	210	1107	·>		
Charter Communications Inc DSL	147		22	42	218 25	219 6				24	1388 242		
AT&T Inc	16		18	32	25	6	Q				97		
Brightspeed OREGON TELEPHONE CORPORATION	123 8		4	10							137 8		
Fiber					12	60	22	102	81	221	498		
AT&Tinc								50	11		146		
Bluebird Network LLC Brightspeed	:					3	4	15 1	23	48 2			
Charter Communications Inc					11	3 57	17	28	3/	28	178		
Gateway Fiber i3 Broadband	ļ						1	5	7	48 10			
OREGON TELEPHONE CORPORATION	<u> </u>								1				
Socket Telecom, LLC					1			3			1 4		
Fixed Wireless T-Mobile US	300 164	47	171 14	178	81 37	124 63					901 294		
VERIZON	130	21	144	164	20	13					492		
Wisper ISP, LLC St. Clair County	6 248	20	13 1	4	24 19			134	378	352	115 1132		
Cable	248		1		19			134 38	378 378				
MCC Missouri LLC	300							38			711		
DSL Brightspeed	220 220		1								221 221		
Fiber	<u> </u>							96		57	153		
Conexon Connect LLC K-PowerNet LLC		}						82 14		1 56			
Fixed Wireless	28				19			14		30	47		
VERIZON	28										28		
Wisper ISP, LLC St. Francois County	123	23	13	14	19 951	573	1043	217	57	168	19 3182		
Cable					269	268	1036				1573		
Charter Communications Inc DSL	18		13	14	269 2						1573 54		
AT&Tinc	18		13	14 14							54 54		
Fiber	ļ				35	7	7		57		491		
Aptitude Internet LLC AT&T Inc						1		13 13	5 1				
Charter Communications Inc	\\\\				35	6	7	191	51	135			
,		23			CAF	201					1064		
Fixed Wireless T-Mobile US	105 78	23 }			645 46						129		

Provider Claimed Speed Maximum Speed Test at Location	Above 25/3; Bel	Above 10/1;	Above 50/10; B	Above 10/1;		2 100/20; Below 20 Above 10/1;	Above 25/3;	Below 10/1	Above 200/50 Above 10/1;	Above 25/3;	Total Locations
Maximum Speed Test at Location Wisper ISP, LLC	Below 10/1 20	Below 25/3	Below 10/1	Below 25/3	Below 10/1	Below 25/3 286	Below 50/10	Below 10/1	Below 25/3	Below 50/10	Total Locations 927
St. Louis city	163	23 70	237	163	598 808	286 557	3223	210	119	801	6351
Cable Charter Communications Inc					495 495	378 378	3201 3201				4074 4074
DSL	4		82	79	37	49					251
AT&TInc Fiber	4		82	79	37 5	49 5	22	175	106	801	251 1114
AT&TInc								80	69	583	732
Bluebird Network LLC Charter Communications Inc					5	5	3 19	13 2	8 4	15 12	39 47
Stratus Networks, Inc. Fixed Wireless	150	70	155	0.4		125		80	25	191	296
T-Mobile US	159 102	24	155 72	84 15	271 186	109		35 16	13		912 524
VERIZON Wisper ISP, LLC	57	45 1	82 1	69	85	15 1		19	13		385 3
St. Louis County	696	142	520	555	1106	1391	6611	275	290	1989	13575
Cable Cable America					779	905	6557 17			39 22	
Charter Communications Inc				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	779	905	6540			17	8241
DSL AT&T Inc	107 107		309 309	358 358	78 78	80 80		1			933 932
Consolidated Communications, Fidium								1			1
Fiber AT&TInc					25	6	54	274 272	290 273	1950 1885	2599 2430
Bluebird Network LLC							3		13	22	38
Charter Communications Inc i3 Broadband					25	6	51	2	4	6 37	94 37
Fixed Wireless	589	142	211	197	224	400					1763
T-Mobile US VERIZON	355 216	43 64	82 128	28 166	132 23	247 29					887 626
Wisper ISP, LLC	18 412	35 21	1 1		69 952	124 303	189	544	325	142	250 2889
Ste. Genevieve County Cable	412	21	1		952 15	303	161	544	323	142	176
Charter Communications Inc Fiber				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	15 197	27	161 28	544	325	142	176 1263
Aptitude Internet LLC					48	9	-20	109	248	28	442
AT&T Inc Charter Communications Inc					149	18	28	2 430	1 76	113	4 814
Lightwave Communications IIc								3			3
Fixed Wireless T-Mobile US	412 380	21	1		740 268	276 139					1450 792
VERIZON	7		1		3						11
Wisper ISP, LLC Stoddard County	25 73	16			469 83	137 7	3	370	136	407	647 1079
Cable Charter Communications Inc					9 9			95	62	252	418 9
Sparklight					3			95	62	252	409
DSL BPS Telephone Company	2 2										2 2
Fiber	2			~~~~~~	1		3	275	74	155	508
BPS Telephone Company Charter Communications Inc					1		2	18	47	99 1	164 4
GoSEMO, LLC							1	257	27	55	340
Fixed Wireless T-Mobile US	71 45				73 73	7					151 125
VERIZON	26	445	40	24	260	CET	400	70	F.2	262	26
Stone County Cable	1189	145	10	24	269 18	657 13	100 100	72 69	53 35	263 222	
MCC Missouri LLC Optimum					18	13	100	69	35	222	326 131
DSL	408		10	24	2	5	100				449
AT&T Inc Brightspeed	10 398		6 4		parameter	5					34 415
Fiber	330							3	18	41	62
AT&TInc Brightspeed									1	1	1
K-PowerNet LLC										11	11
Sho-Me Technologies, LLC Total HighSpeed Internet Solutions								3	1: 16:	1 28	2 47
Fixed Wireless T-Mobile US	781	145			249	639					1814
UNITED STATES CELLULAR CORPORATION	125 624	9			86 9	103					323 633
VERIZON Wisper ISP, LLC	21 11	136			1 153	536					22 836
Sullivan County	48	150	19		9	20		65	525	473	
DSL Windstream Missouri, Inc.	3		7 7			7 7		1 1	2		40 40
Fiber					7			64	523	473	1060
Bluebird Network LLC Grand River Mutual Telephone Corporation								5 12	2 6	8 14	
Northeast Missouri Rural Telecommunications								44	513	432	989
Windstream Missouri, Inc. Fixed Wireless	45		12	2	5	13		3	2	19	24 77
T-Mobile US	5		······	,	4						22
UNITED STATES CELLULAR CORPORATION	19				1						20 35
Windstream Missouri, Inc.	21	3	12	2				,			, ,,,
Windstream Missouri, Inc. Taney County	21 458	256	12 2		485	970	649		51	122	3057
Windstream Missouri, Inc.		256				970 139 1	648	46	51 49 48	122 122 121	3057 1119

Taximum Speed Test at Location	Above 25/3; Below 10/1	Above 10/1; Below 25/3	Above 50/10; Below 10/1	Above 10/1; Below 25/3	Below 10/1	2 100/20; Below 20 Above 10/1; Below 25/3	Above 25/3; Below 50/10	Below 10/1	Above 200/50 Above 10/1; Below 25/3	Above 25/3; Below 50/10	Total Locatio
Brightspeed	173	Below 25/3	2			Below 25/3	Delow 50/10	}	Below 25/3	Delow 50/10	1
Fiber			\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\				1	6	2		; ; ;
Brightspeed Sho-Me Technologies, LLC							1	6	2		
Fixed Wireless	285	256			370	831					17
T-Mobile US	22	4	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	7	35				,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
UNITED STATES CELLULAR CORPORATION VERIZON	184				48						2
Wisper ISP, LLC	26 53	252			315	796					14
Texas County	1223	144	1	3		283		409	314	1723	47
Cable								407	312	1719	24
Cable America MCC Missouri LLC								372 35	303 9	1679 40	23
DSL	259		1	3				33)			2
Brightspeed	259		1	3							2
Fiber Sho-Me Technologies, LLC								2	2 2	4 4)
Fixed Wireless	964	144			632	283		Z			20
T-Mobile US	70			 	33						1
UNITED STATES CELLULAR CORPORATION	746				109						8
VERIZON Wisper ISP, LLC	136	144			1 489	283					10
Vernon County	665	2		1	383	318	899	154	16	30	
Cable					71	94	899				10
Fidelity					71	94	899	ļ			10
DSL Brightspeed	134			1	(1
Fastwyre Broadband	509										
Fiber								154	16	30	
Bluebird Network LLC								121	2	18	
Conexon Connect LLC Craw Kan Telephone Cooperative Inc								131 22	12 2	1 10	
MISSOURI TELECOM									2	10	
Fixed Wireless	22	2			312	224					
VERIZON	22				242	224					
Wisper ISP, LLC Warren County	488	2: 42	6	20	312 23 5	224 666	343	39	105	138	2(
Cable	.65		·		71	229	334	5	46	2	
Cable America								5	46	2	
Charter Communications Inc DSL					71	229	334				
Brightspeed	221		1 1	paanaanaanaanaanaan	g0000000000000000000			······			2
Fiber			- -		11	41	9	34	59	136	
Bluebird Network LLC								1	33	18	
Brightspeed					ļ					1	
Callabyte Charter Communications Inc					11	41	8	7		5 1	
Gateway Fiber			<u> </u>			-	1	22	26	97	
Kingdom Telephone Co										2	
Socket Telecom, LLC Fixed Wireless	267	42		14	153	396		4		12	
T-Mobile US	255	42 28	5	14	131	161					
VERIZON	5	7	5	14	4 4			3			
Wisper ISP, LLC	7	7			22	235					2
Vashington County Cable	580	86	11	61	373 4	576 22	2 2		907	100	3:
Charter Communications Inc					4	22	2				
DSL	565		10	15				}			
Brightspeed	491		10	15							5
Fidelity Telephone LLC Steelville Telephone Exchange, Inc.	54 20										! !
Steelville leiepnone Exchange, Inc. Fiber	20							656	907	100	1
yondoo Broadband, LLC								656	907	100	1
Fixed Wireless	15	86	1			554					1
BlueBit Networks T-Mobile US	1	6	1		1 15						<u>:</u>
Visper ISP, LLC	9	3 77		4 22		21 508					
Vayne County	4		33		92	232	203	49	126		1
Cable					46	119	201	1		2	
BOYCOM CABLEVISION INC.	4		33	100	46 46	119 112	201	1 37	70	2	
DSL Windstream Missouri, Inc.	4		33 33					37 37	70 70		
Fiber						1	2	11	56		
McCormack Networks						1	2				
Windstream Missouri, Inc. Webster County	767	369	4	10	1042	1823		11 270	56 357	182 448	000000000000000
Cable	767	309	4	10	1042	1823		122	357 276	448 438	
MCC Missouri LLC								122	276		
DSL	249		4	10	· · · · · · · · · · · · · · · · · · ·						
Brightspeed	249		4	10				4.6			: }
Fiber Sho-Me Technologies, LLC								148	81 4	10 2	
Total HighSpeed Internet Solutions								146	77	8	
Fixed Wireless	518	369			1042	1823					3
T-Mobile US	157	53			173	159					
UNITED STATES CELLULAR CORPORATION VERIZON	247	}			111 1						
Wisper ISP, LLC	94	316			757	1664					28
Worth County	3	520	17	2				84	57	279	
DSL	3		17					23			

CONTINUED FROM PREVIOUS PAGE

Provider Claimed Speed Maximum Speed Test at Location	Above 25/3; B	elow 50/10	Above 50/10;	Below 100/20	Above	e 100/20; Below 20	00/50		Above 200/50		
	Below 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Below 10/1	Above 10/1; Below 25/3	Above 25/3; Below 50/10	Total Location
···· <u>··</u> ··		3	×	· · · · · · · · · · · · · · · · · · ·	······		s		,	· · · · · · · · · · · · · · · · · · ·	
Fiber		}	§					61			S
Grand River Mutual Telephone Corporation			}	: 5	: :			6	49	212	
United Fiber		{	3	<u> </u>			{	55	8	67	130
Wright County	593	77	3	8	156	241		155		1205	
Cable		{	}					151	634	1199	1984
Cable America			}	:				69	560	1151	1780
MCC Missouri LLC	1	{	3	:				82	74	48	204
DSL	99	}	3	8						:	110
Brightspeed	99		3	8				}	:		110
Fiber	:) !				4	4	6	14
Sho-Me Technologies, LLC	1		}					2	1	1	
Steelville Telephone Exchange, Inc.	:		}	!				2	3	5	10
Fixed Wireless	494	77			156	241			·		968
T-Mobile US	25	1		,	14	1		}	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	4:
UNITED STATES CELLULAR CORPORATION	415	}	}	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	35				00000000000000000000000000000000000000		450
VERIZON	7	{	3					1			
Wisper ISP, LLC	47	76	{	:	107	240			; :	:	470
Grand Total	41415	6902	6136	7681	44655	46322	51870	31489	29833	68759	335062

APPENDIX 4

RPC Overview Broadband Profiles

In this section you will see a regional overview of broadband availability in the 17 Regional Planning Commissions and Councils of Government that were included in the project scope.

In June of 2023, RCG held individual stakeholder meetings with each group and presented a broadband analysis overview including:

Gap Analysis and Regional Statistics

Terrain and Canopy Profile

Existing Awards

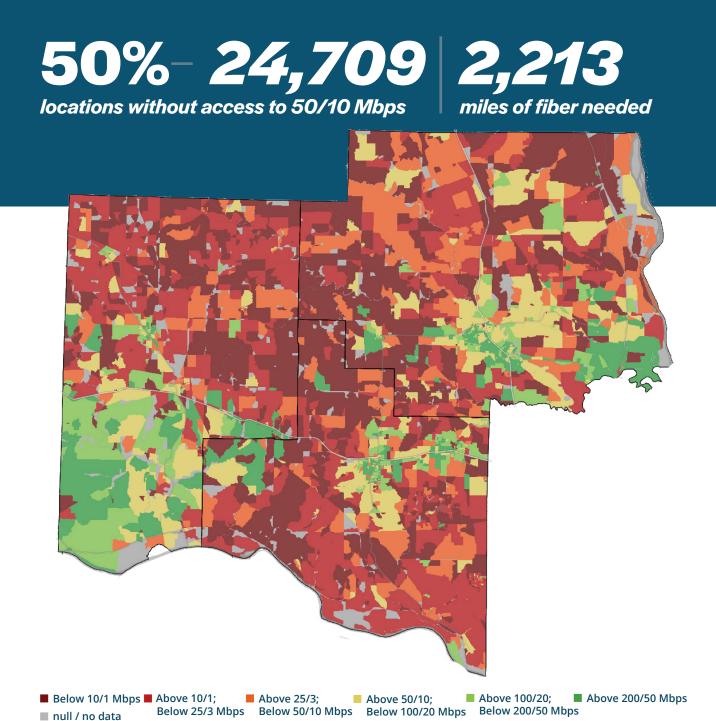
Business Locations

Top Technologies

Existing State and Federal Awards

After the presentations to each group concluded, the Regional Planning Commissions and Councils of Government received high-resolution, layered PDFs of the maps presented in the meeting to inform planning and discussions.

Regional Planning Commission

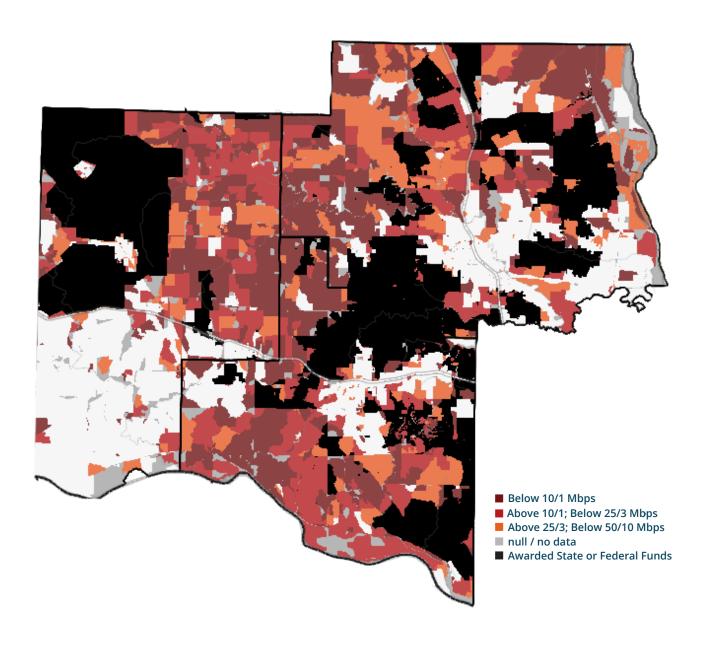


^{*}Coverage ratings reflect multiple sources, including Ookla Speedtest Intelligence® data licensed by MACOG for the months of December 2020 through July 2023. See Appendix 1 for detailed methodology

The state of Missouri received federal funding from USDA ReConnect, The Rural Digital Opportunity Fund, and the NTIA. Additional funds from the state were awarded to providers from the Missouri Broadband CARES program, American Rescue Plan Act (ARPA), and the state broadband grant program.

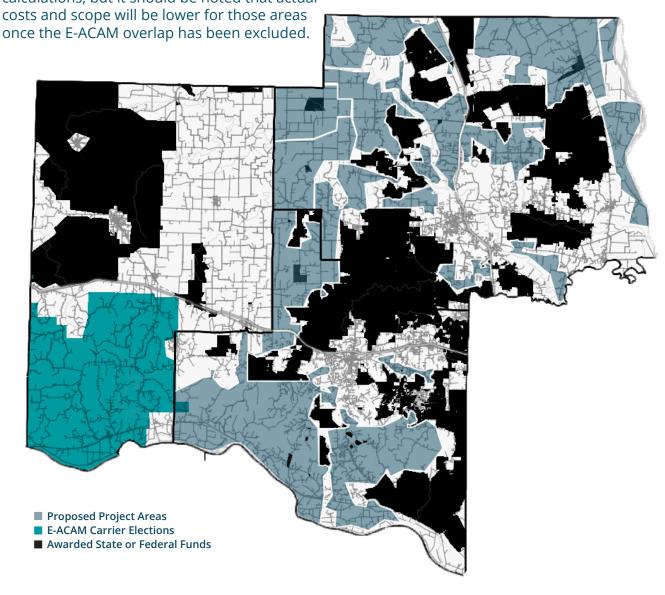
Blocked out areas show existing federal and state awards that were not in default at the time of this report. The remaining areas in red and orange are below 25/3 and 50/10 Mbps respectively and were the areas of focus for the county cluster project planning.

While the Federal definition of "underserved" applies to any location below 100/20, the below 50/10 threshold generates logical, contiguous service areas that remain in dramatic need of infrastructure investment.



The FCC's Connect America Model (CAM) is a long-standing subsidy program that pays telecommunications carriers to offer broadband in their landline telephone territories. The original model targeted 10/1 Mbps. The "alternative" model (ACAM) upped that to 25/3 Mbps. The most recent, "enhanced alternative" model (E-ACAM) offers additional subsidy to carriers who agree to increase speeds to 100/20 Mbps. By the late October 2023 deadline, several of the Missouri-based ACAM providers elected to accept the FCC's E-ACAM offer. As such, these areas become ineligible for BEAD and most other sources of broadband grant funding.

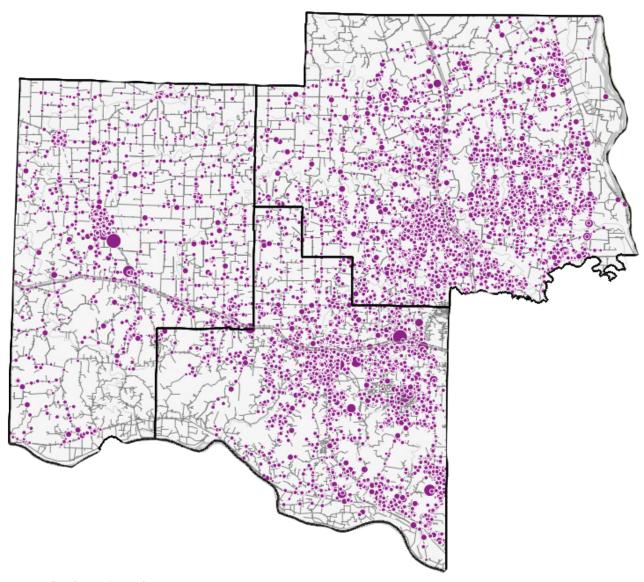
E-ACAM elections will affect 29 project areas in 13 cluster counties, including 10 project areas that have at least 75% of their total area covered by E-ACAM. Because this development came at the end of RCG's period of performance, there was not enough time to redraw project boundaries and recalculate the financial estimates for those areas. Instead, we have flagged the affected project areas in each county cluster report and have excluded project areas with 75% or more E-ACAM coverage from our summary numbers. Project areas with less than 75% coverage remain in the overall calculations, but it should be noted that actual



Business demand for broadband varies based on company size and economic sector.

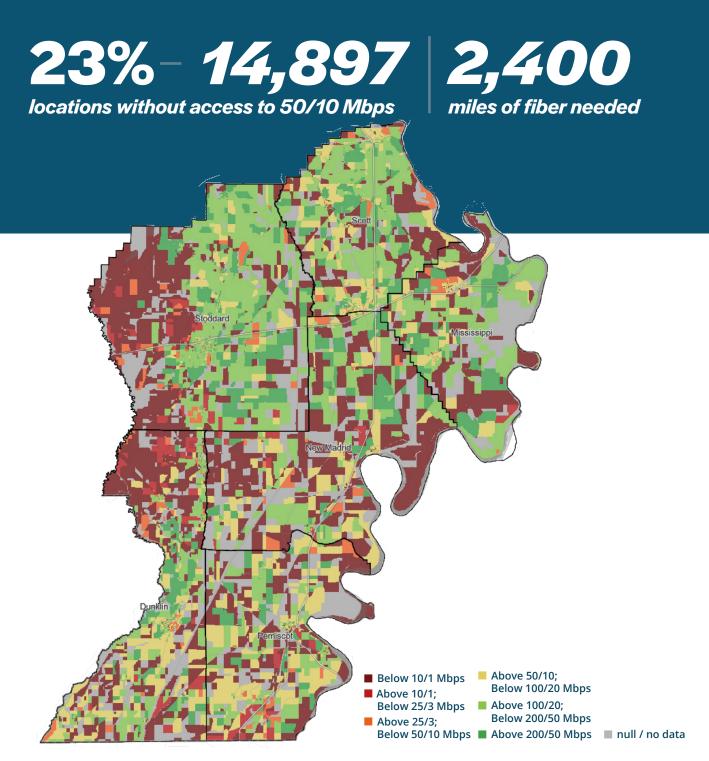
The greater the demand, the bigger the dot. The presence of a high-demand business or multiple businesses of any size will make that area significantly more attractive to a broadband provider.

*See "Business Broadband Opportunity Index" in Appendix 1 for a detailed explanation of how dot size was determined



• • Business Locations [the larger the dot the greater the broadband demand]

Regional Planning and Economic Development Commission



*Coverage ratings reflect multiple sources, including Ookla Speedtest Intelligence® data licensed by MACOG for the months of December 2020 through July 2023. See Appendix 1 for detailed methodology

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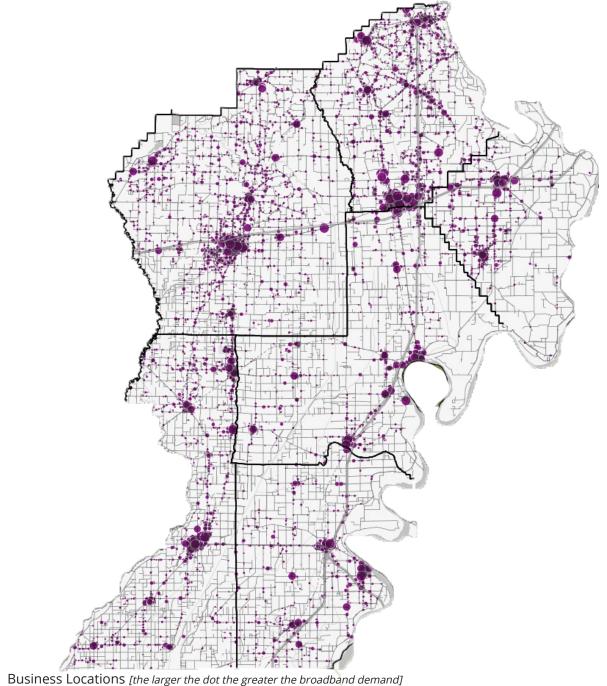


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Business demand for broadband varies based on company size and economic sector.

The greater the demand, the bigger the dot. The presence of a high-demand business or multiple businesses of any size will make that area significantly more attractive to a broadband provider.

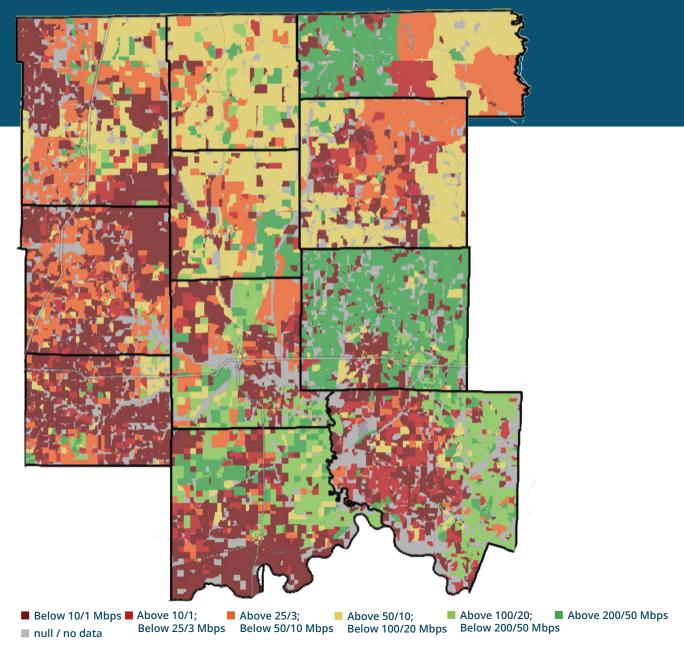
*See "Business Broadband Opportunity Index" in Appendix 1 for a detailed explanation of how dot size was determined



Regional Planning Commission

45%-*25,857 5,803* miles of fiber needed

locations without access to 50/10 Mbps

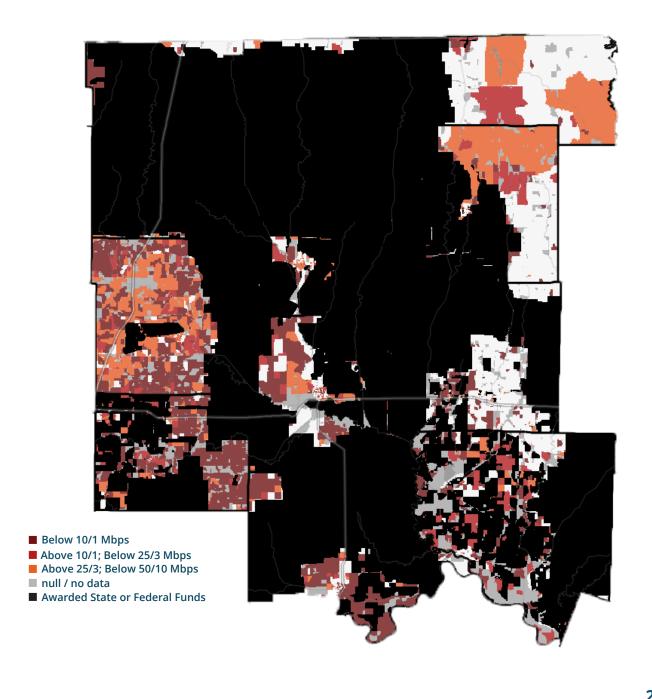


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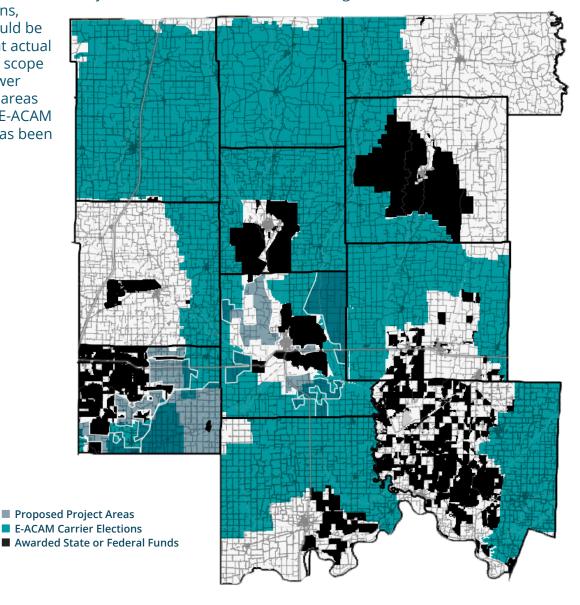
While the Federal definition of "underserved" applies to any location below 100/20, the below 50/10 threshold generates logical, contiguous service areas that remain in dramatic need of infrastructure investment.



The FCC's Connect America Model (CAM) is a long-standing subsidy program that pays telecommunications carriers to offer broadband in their landline telephone territories. The original model targeted 10/1 Mbps. The "alternative" model (ACAM) upped that to 25/3 Mbps. The most recent, "enhanced alternative" model (E-ACAM) offers additional subsidy to carriers who agree to increase speeds to 100/20 Mbps. By the late October 2023 deadline, several of the Missouri-based ACAM providers elected to accept the FCC's E-ACAM offer. As such, these areas become ineligible for BEAD and most other sources of broadband grant funding.

E-ACAM elections will affect 29 project areas in 13 cluster counties, including 10 project areas that have at least 75% of their total area covered by E-ACAM. Because this development came at the end of RCG's period of performance, there was not enough time to redraw project boundaries and recalculate the financial estimates for those areas. Instead, we have flagged the affected project areas in each county cluster report and have excluded project areas with 75% or more E-ACAM coverage from our summary numbers. Project areas with less than 75% coverage remain in the overall

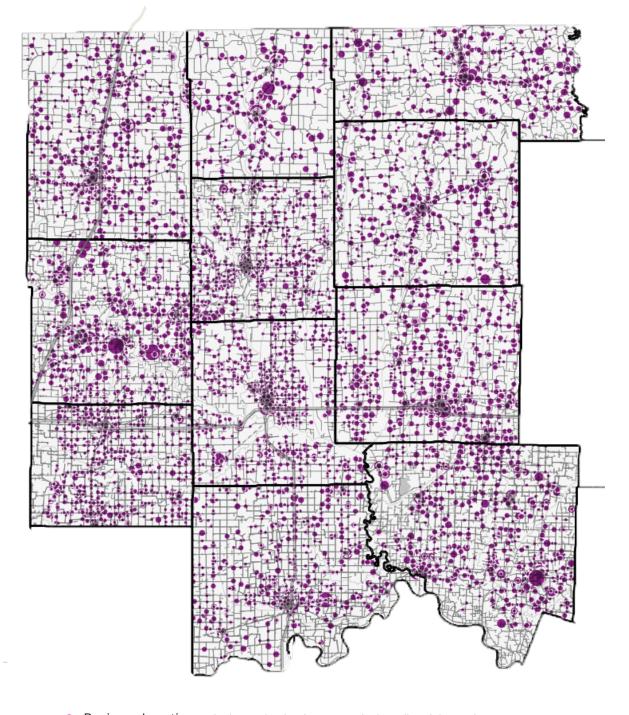
calculations, but it should be noted that actual costs and scope will be lower for those areas once the E-ACAM overlap has been excluded.



Business demand for broadband varies based on company size and economic sector.

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• • Business Locations [the larger the dot the greater the broadband demand]

Harry S Truman **Coordinating Council**

45%-*41,000* locations without access to 50/10 Mbps

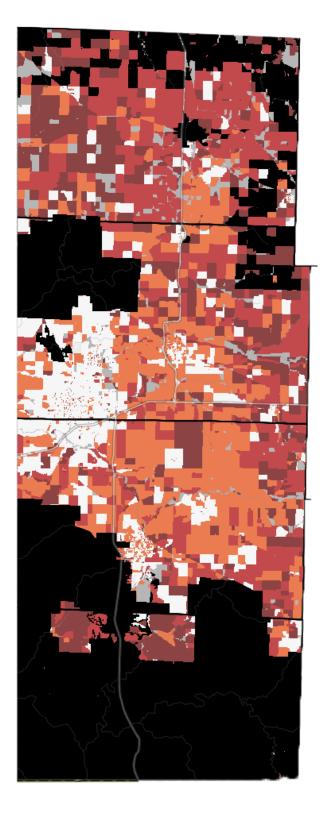
4,052 miles of fiber needed

- Below 10/1 Mbps ■ Above 10/1; Below 25/3 Mbps Above 25/3; Below 50/10 Mbps Above 50/10; Below 100/20 Mbps Above 100/20; Below 200/50 Mbps
- Above 200/50 Mbps
- null / no data *Coverage ratings reflect multiple sources, including Ookla Speedtest Intelligence® data licensed by MACOG for the months of December 2020 through July 2023. See Appendix 1 for detailed methodology

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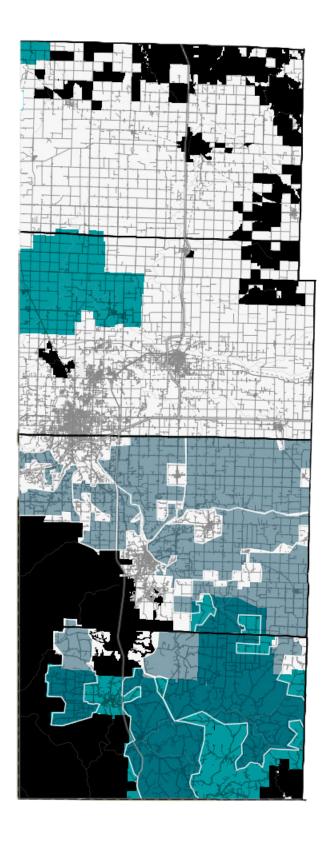
- Below 10/1 Mbps
 Above 10/1; Below 25/3 Mbps
- Above 25/3; Below 50/10 Mbps
- null / no data
- Awarded State or Federal Funds

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- Proposed Project Areas

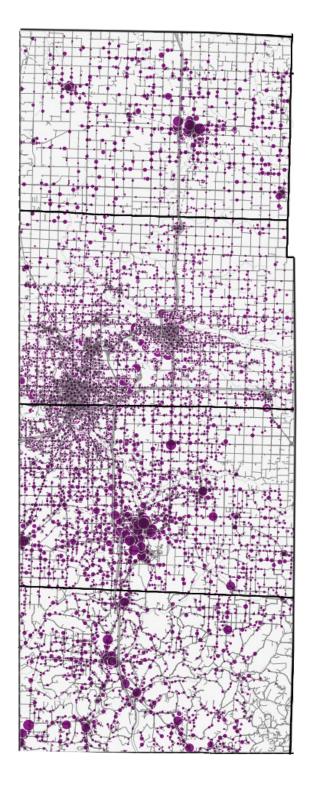
 E-ACAM Carrier Elections
- Awarded State or Federal Funds



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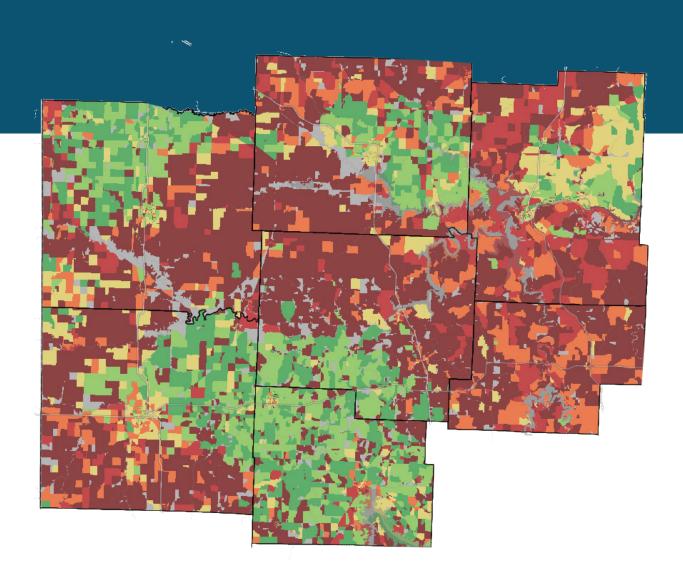
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 Business Locations [the larger the dot the greater the broadband demand]

Kaysinger BasinRegional Planning Commission

66% 42,252 5,762 locations without access to 50/10 Mbps | 5,762 | miles of fiber needed | miles of fiber needed |



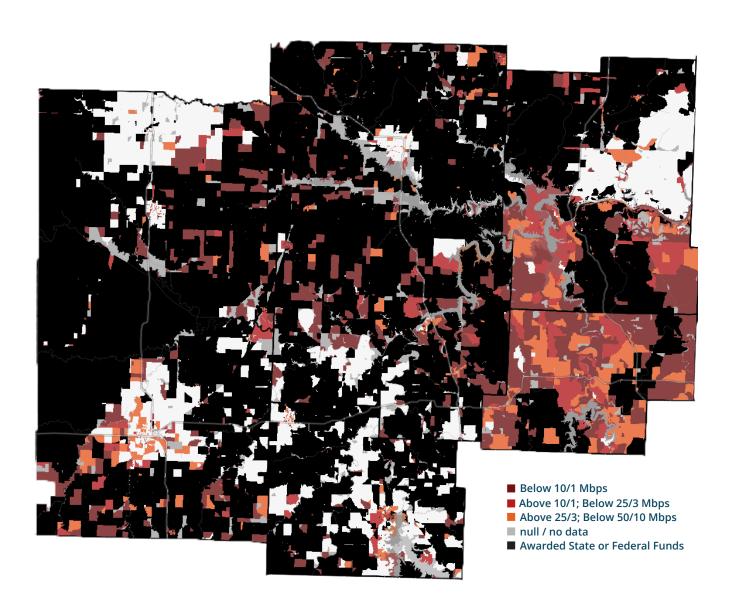


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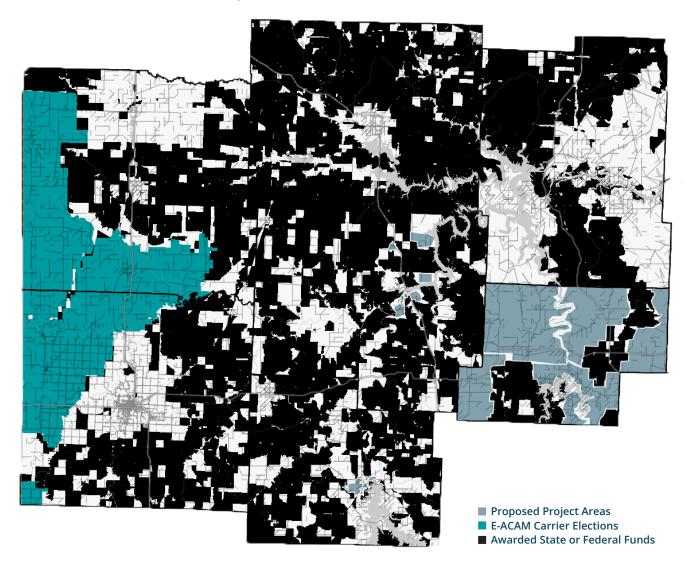
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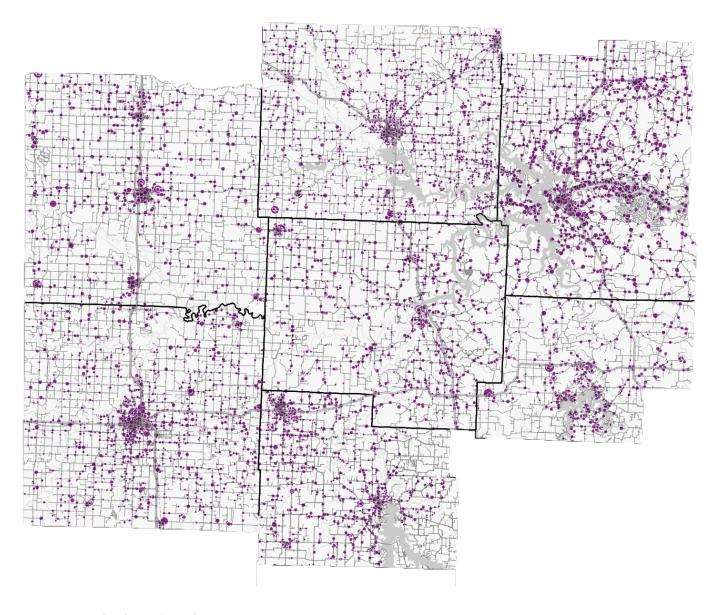
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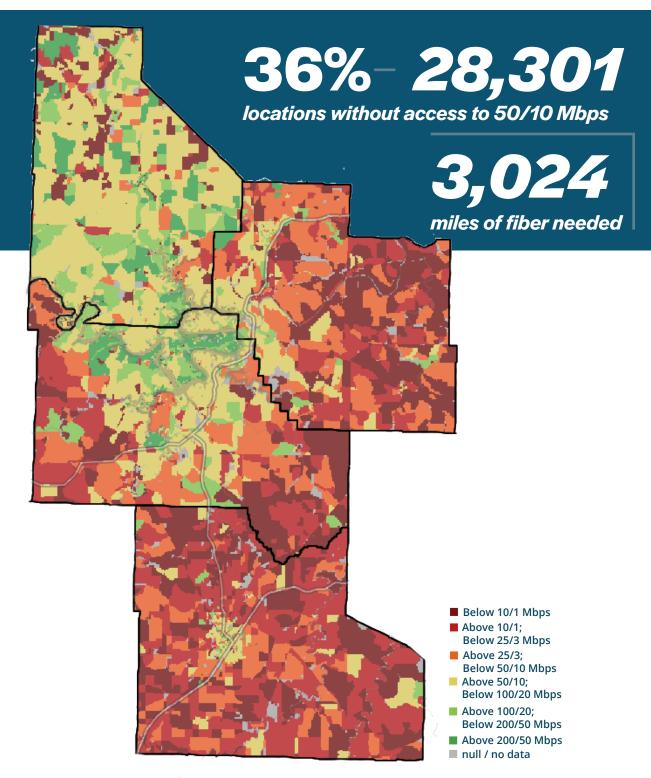
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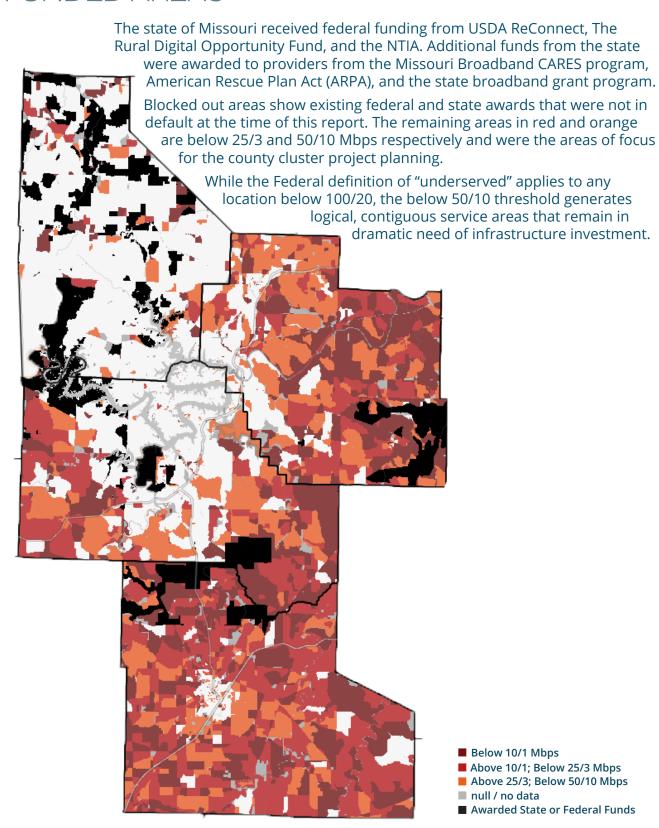


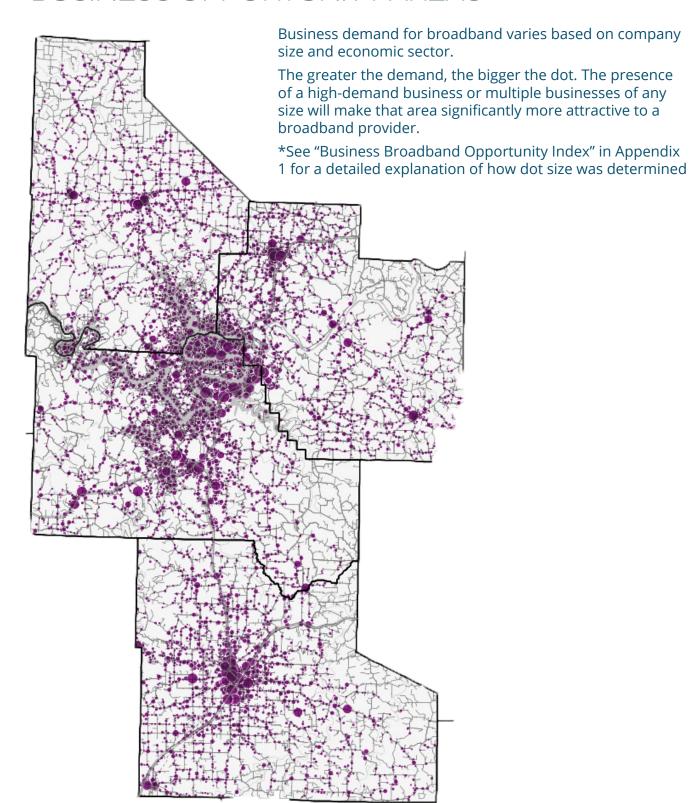
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Lake of the Ozarks Council of Local Governments



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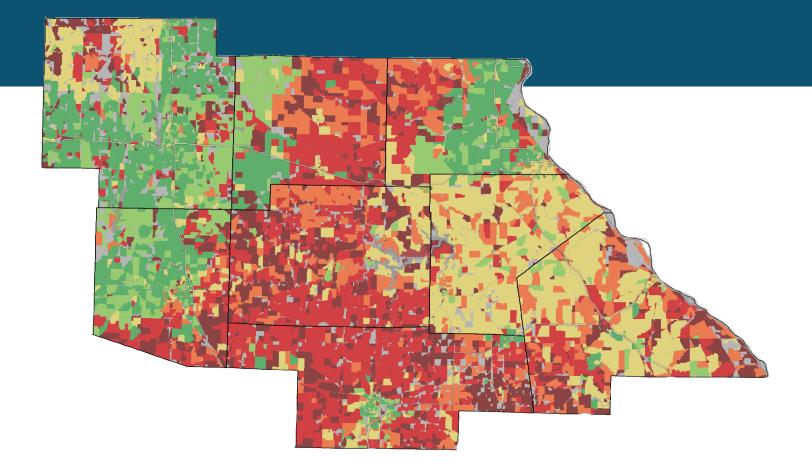




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Regional Council of Governments

34%-28,839 4,596 locations without access to 50/10 Mbps



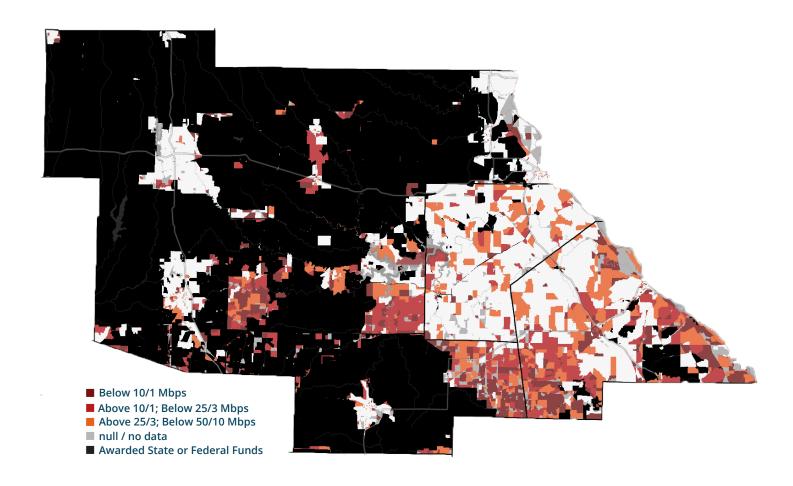


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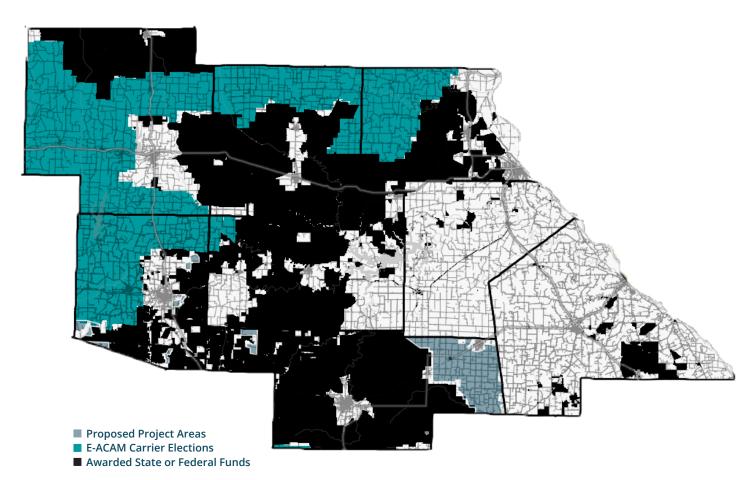
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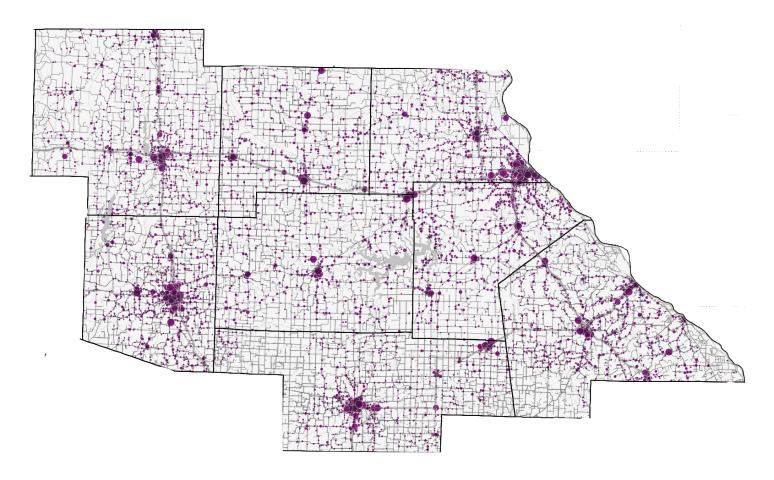
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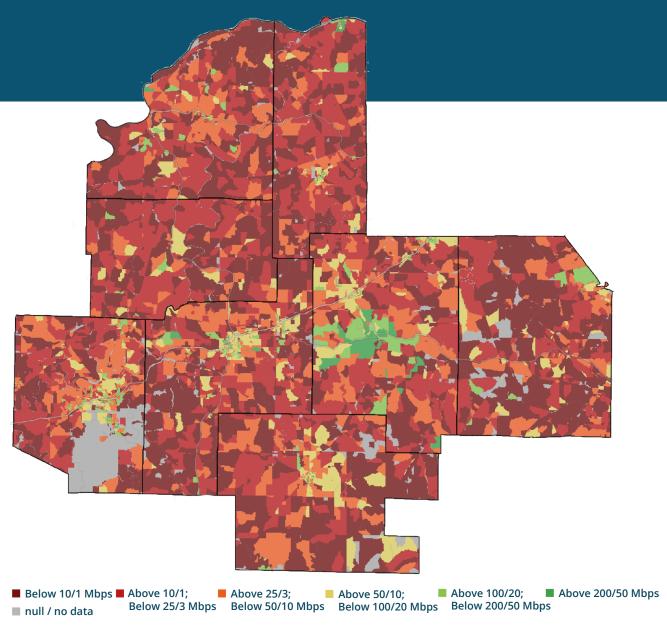
Regional Planning Commission

70%-60,102 6,517

locations without access to 50/10 Mbps

6,517

miles of fiber needed

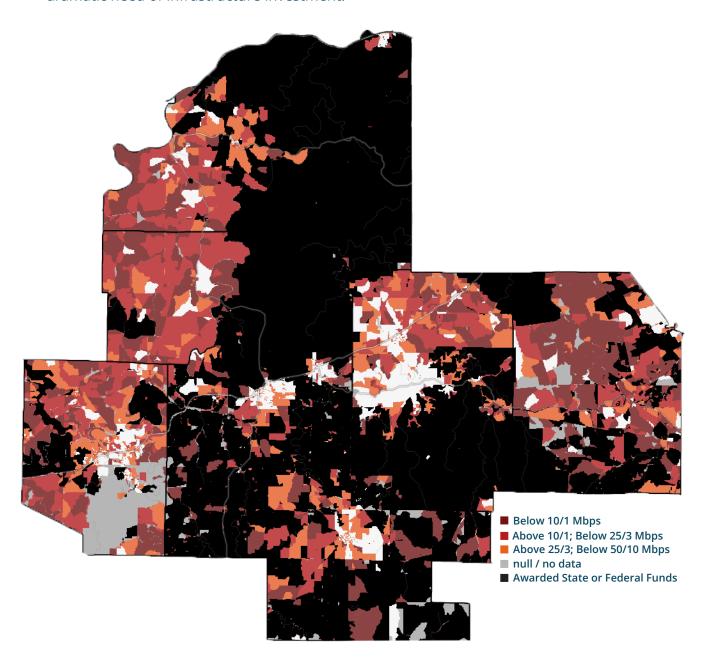


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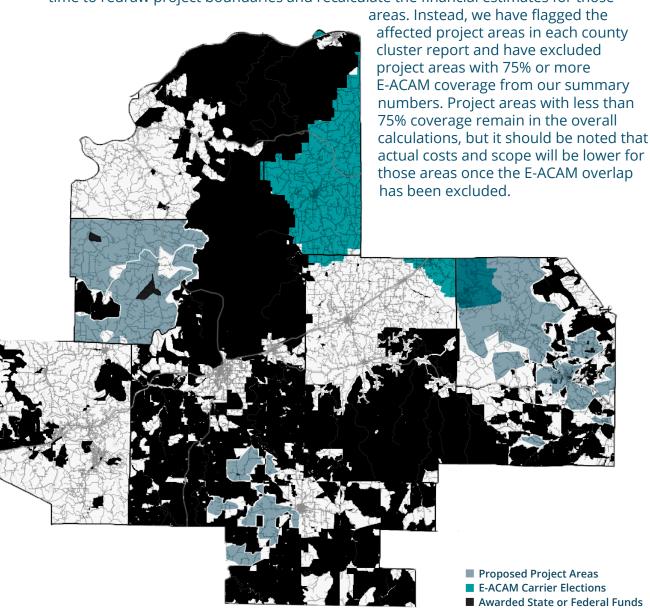
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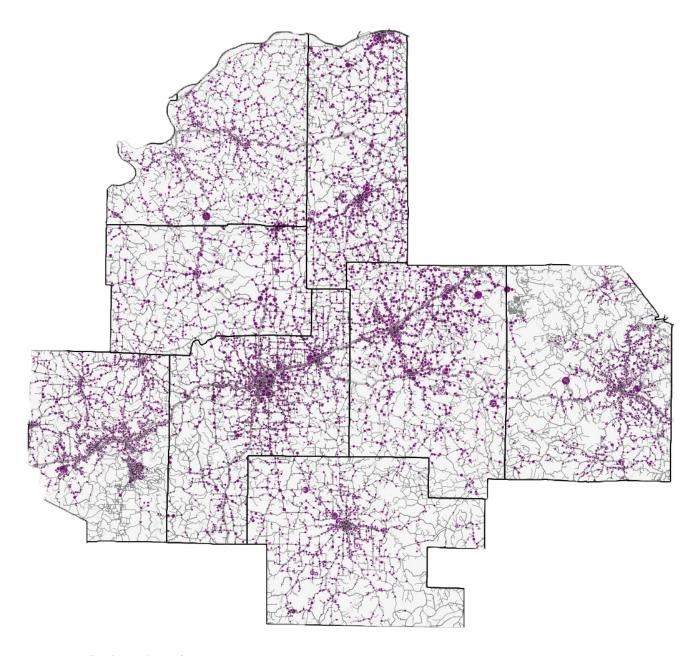
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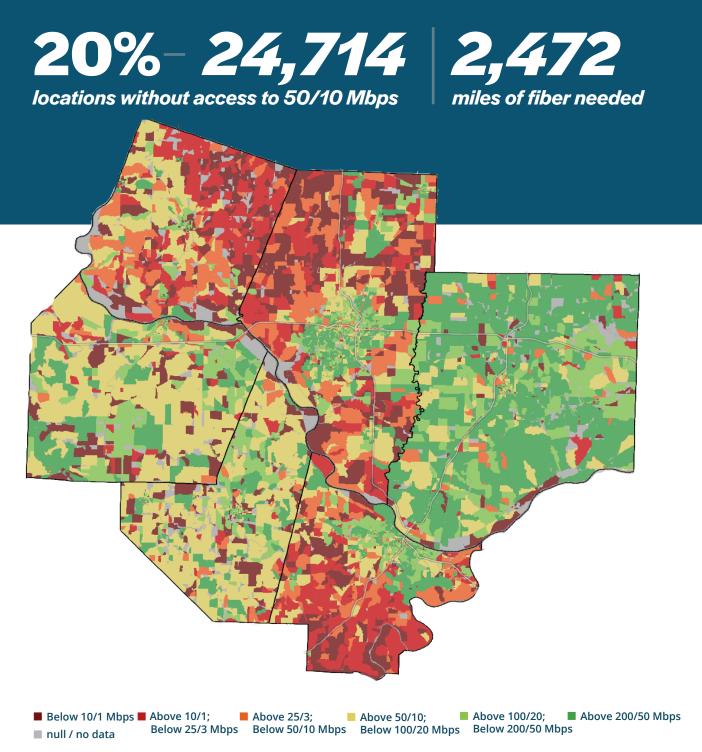
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Business Locations [the larger the dot the greater the broadband demand]

Regional Planning Commission

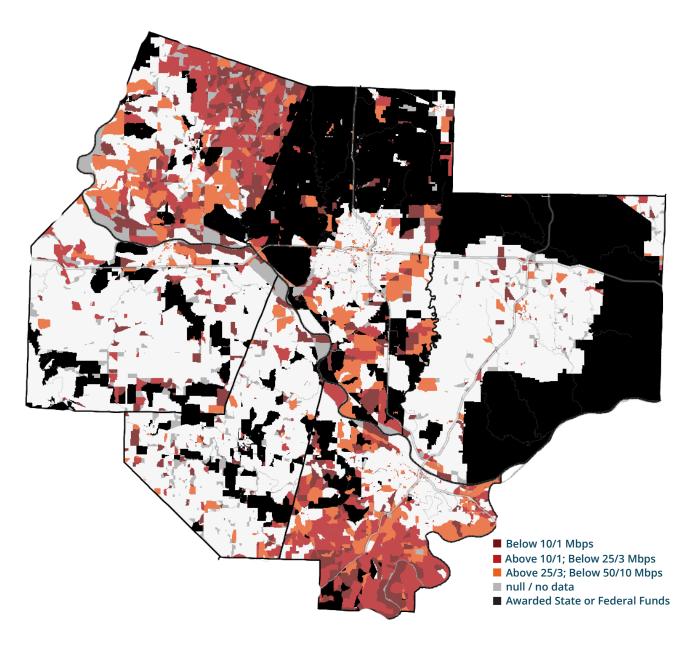


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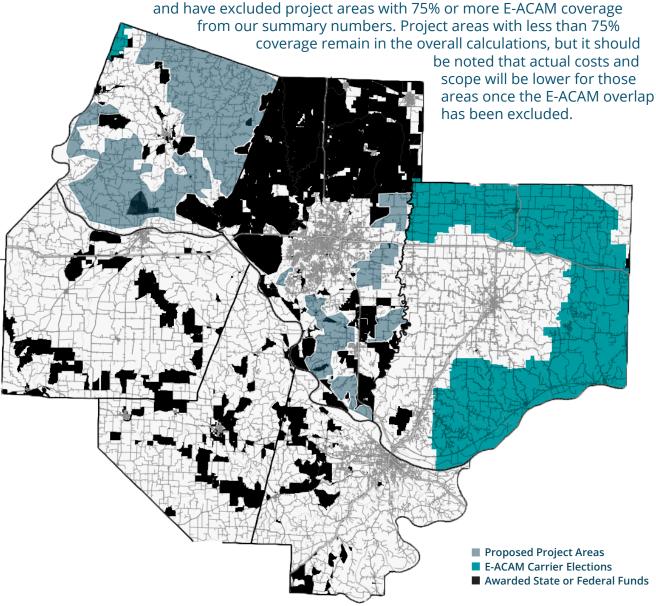
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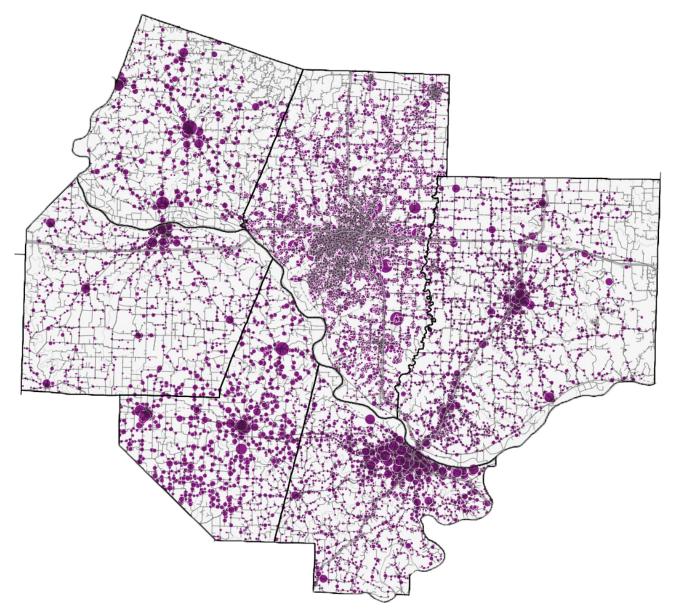
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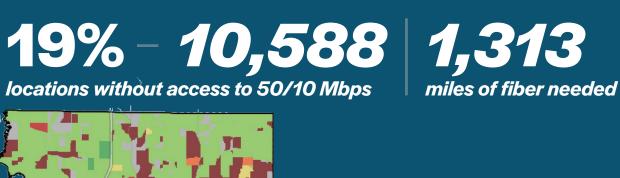
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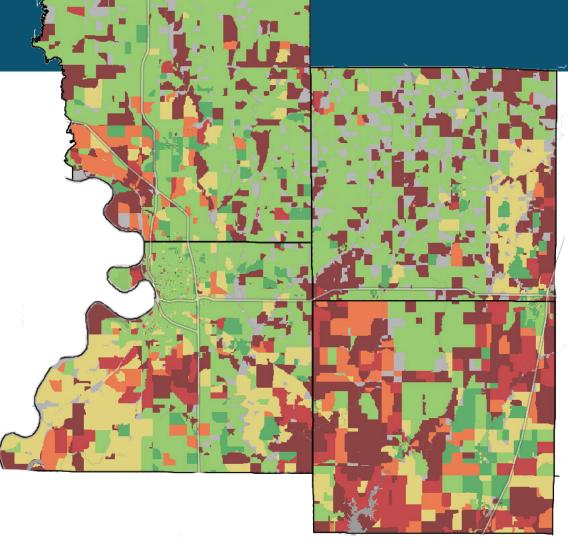
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Regional Council





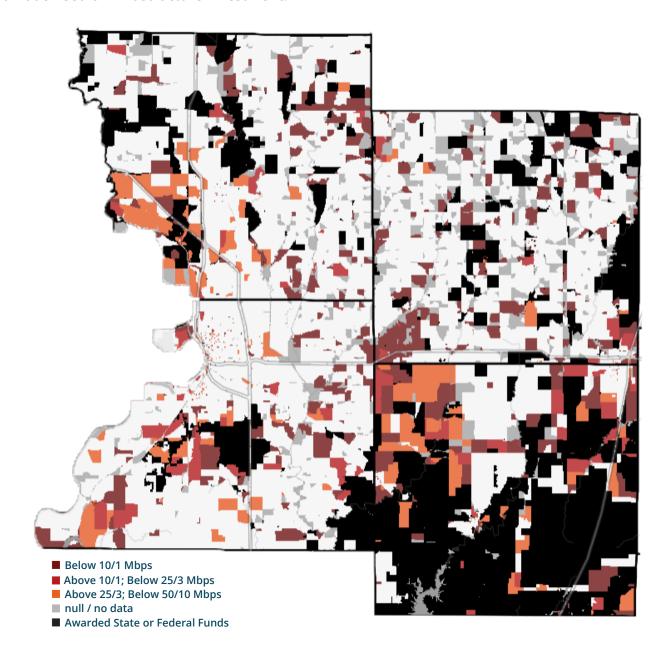
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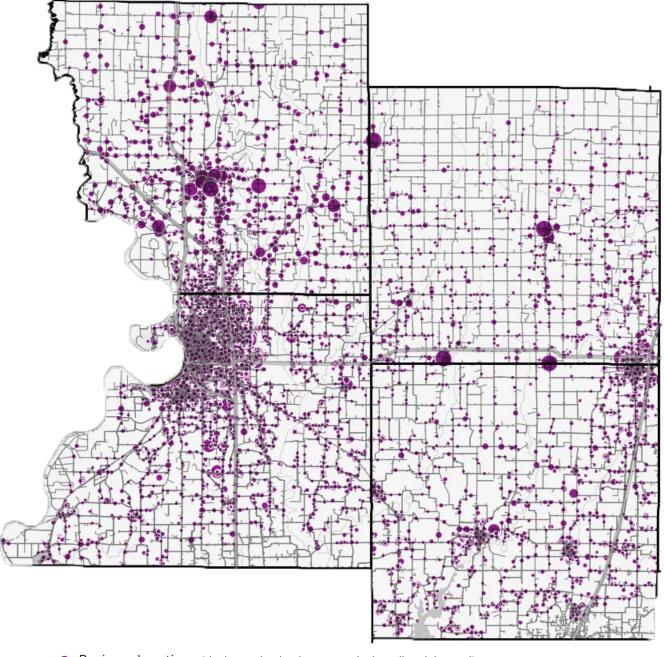
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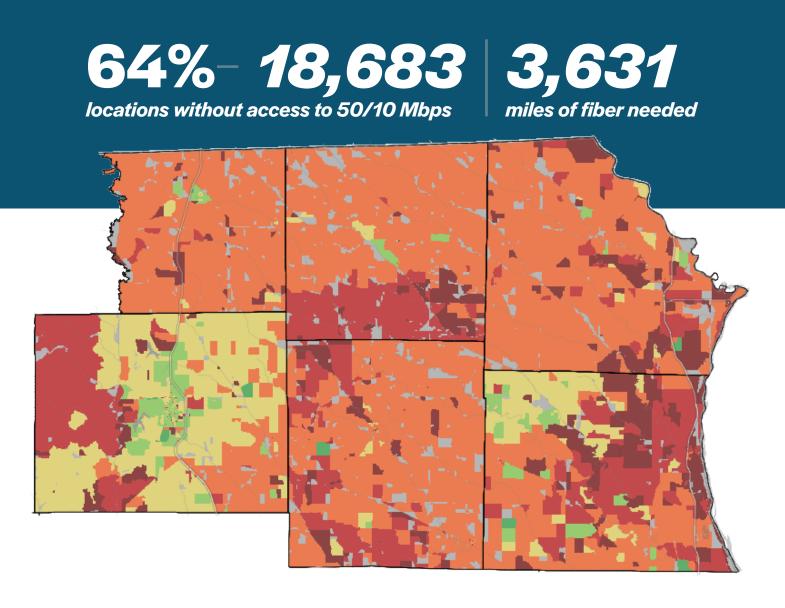
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Northeast Missouri

Regional Planning Commission



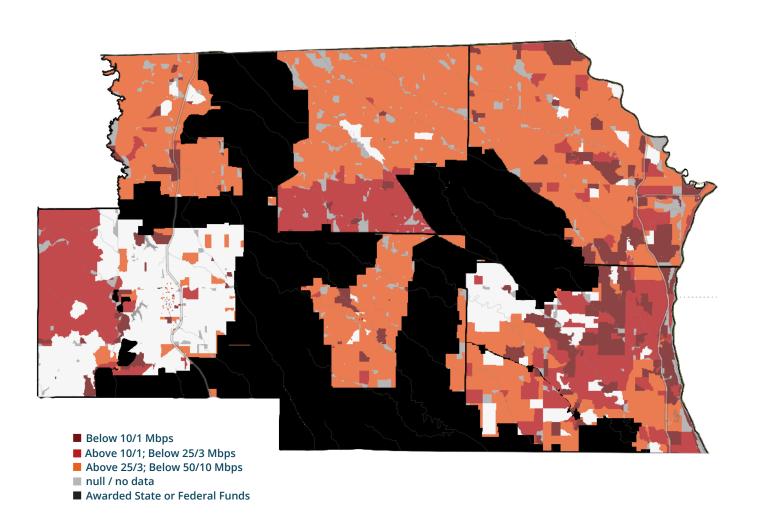
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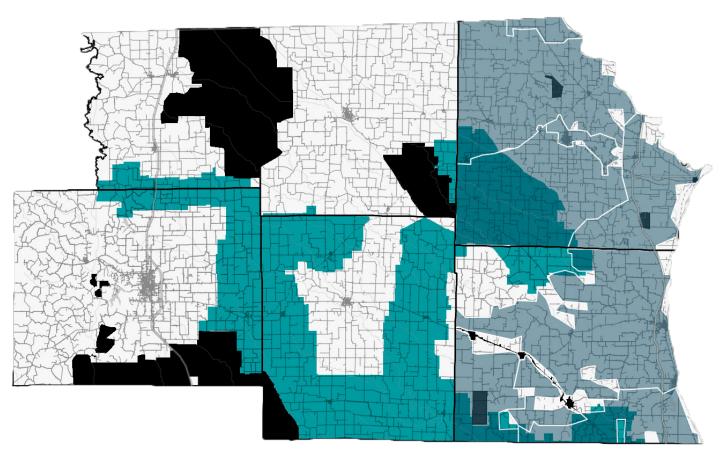
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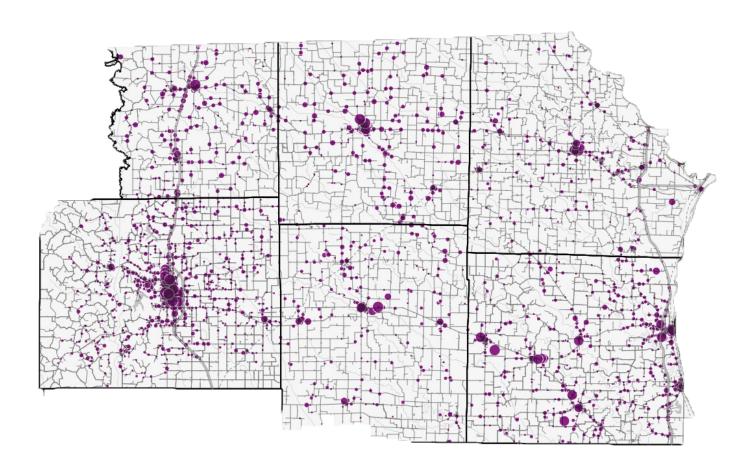


- Proposed Project Areas
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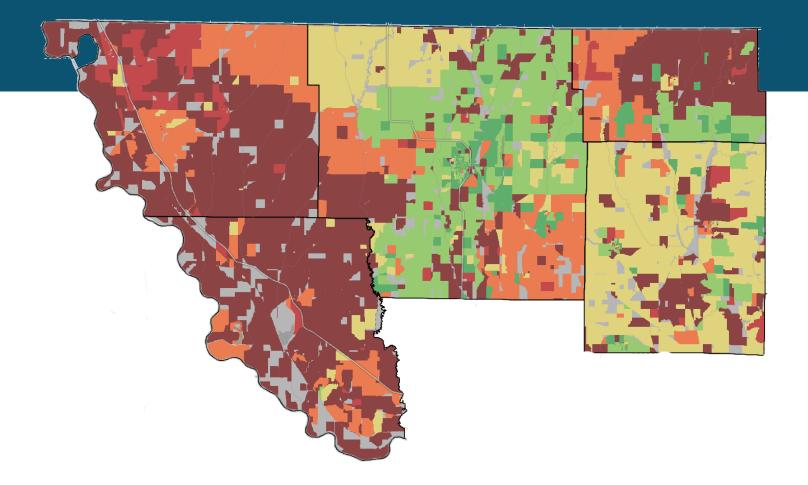
Northwest Missouri

Regional Council of Governments

51% - 12,228 2,781

miles of fiber needed

locations without access to 50/10 Mbps



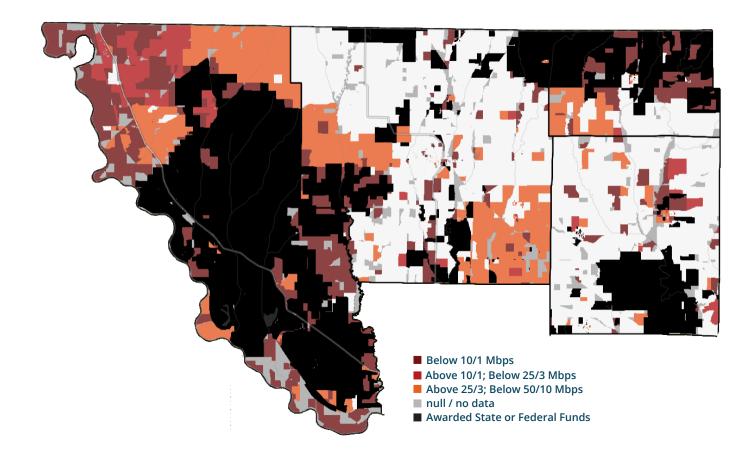


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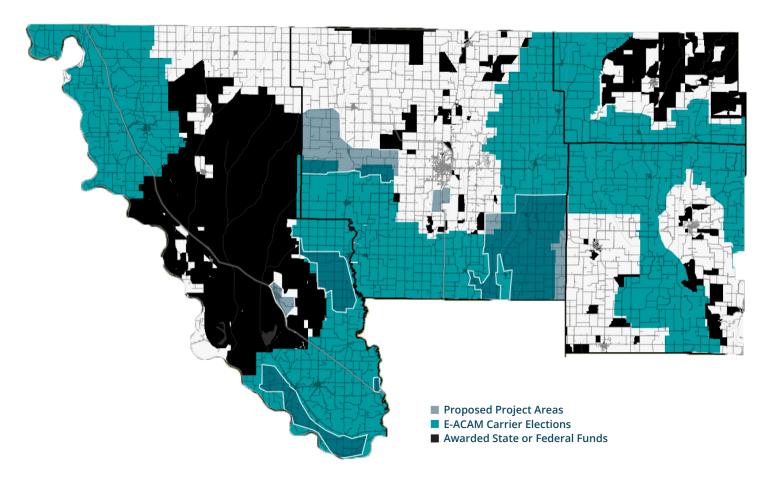
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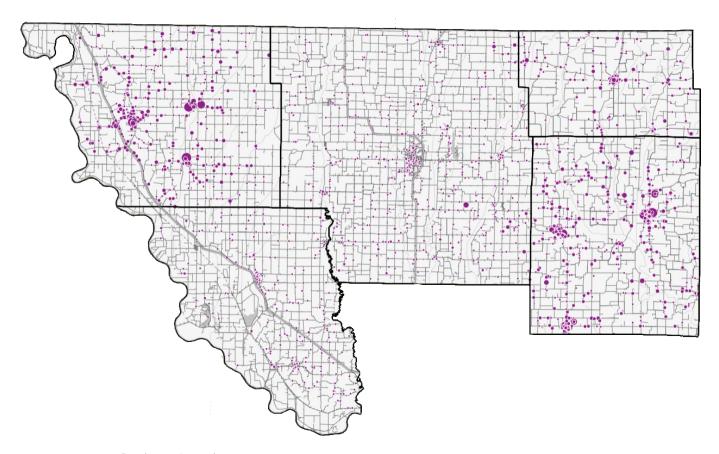
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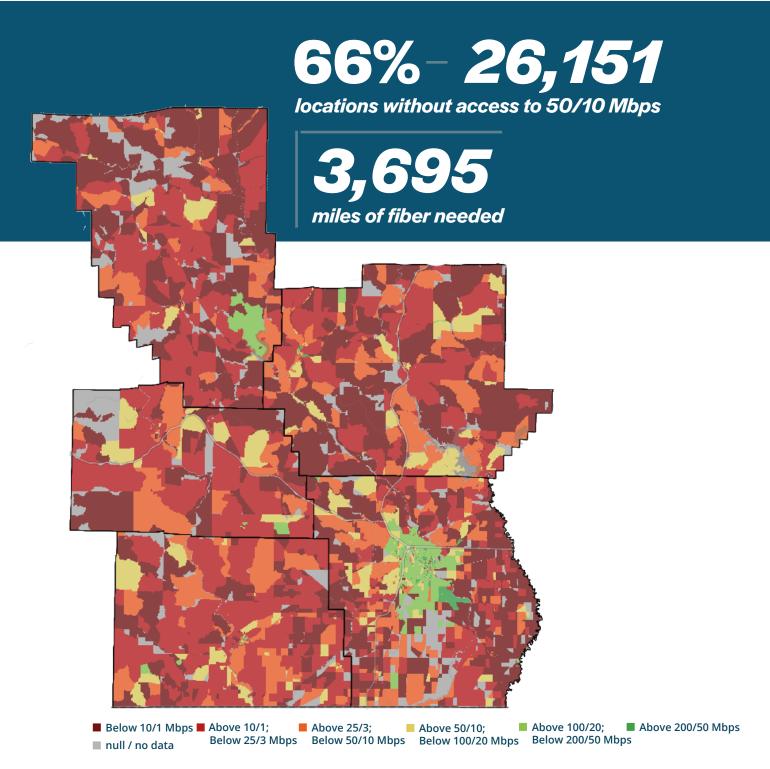
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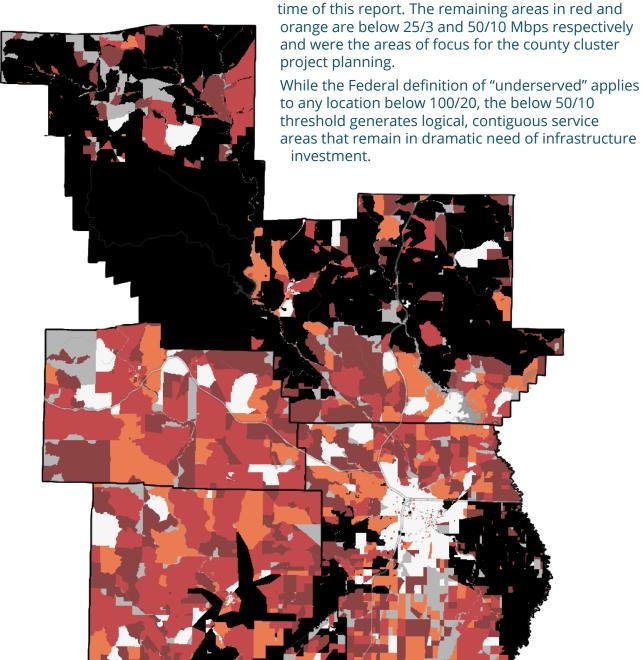
Regional Planning Commission



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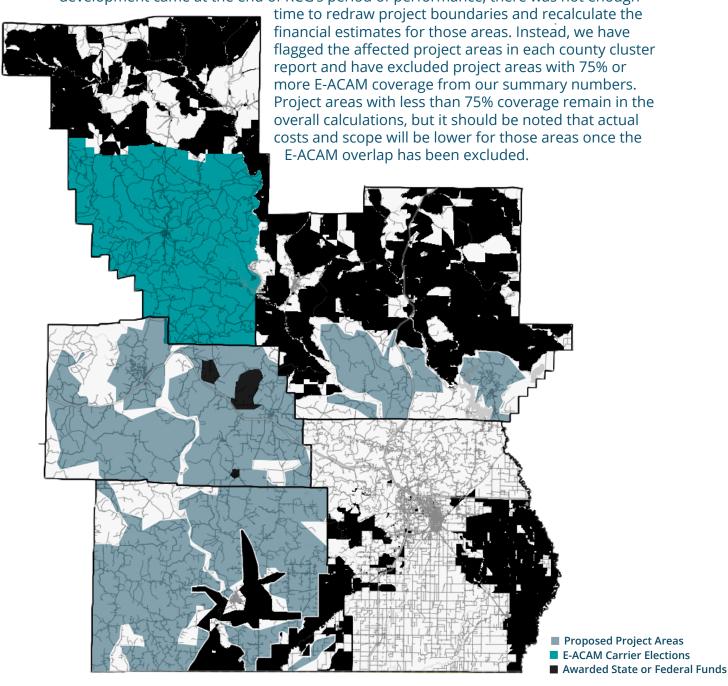
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null / no data

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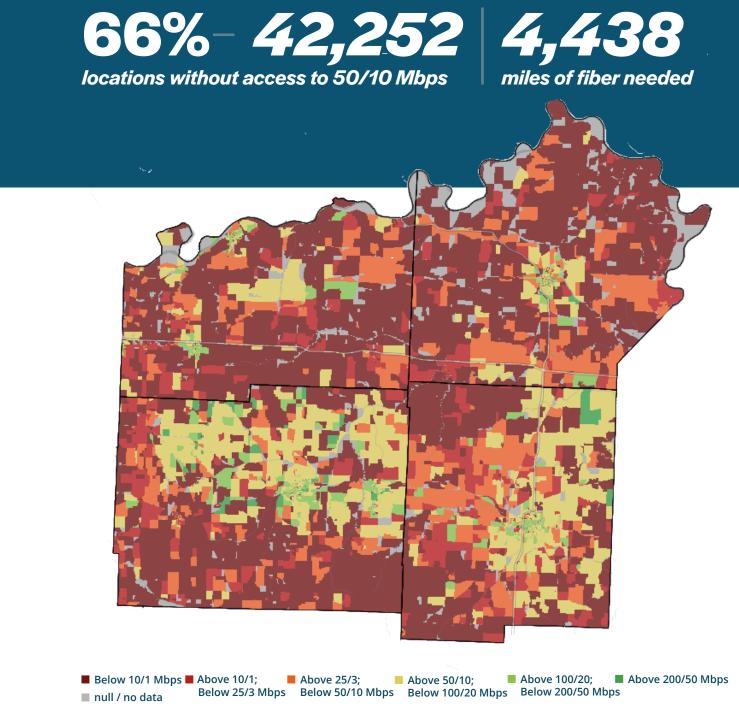
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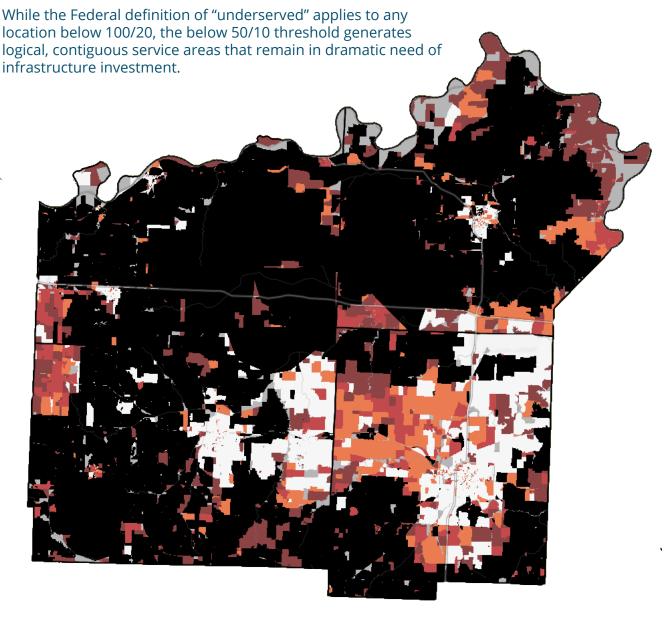
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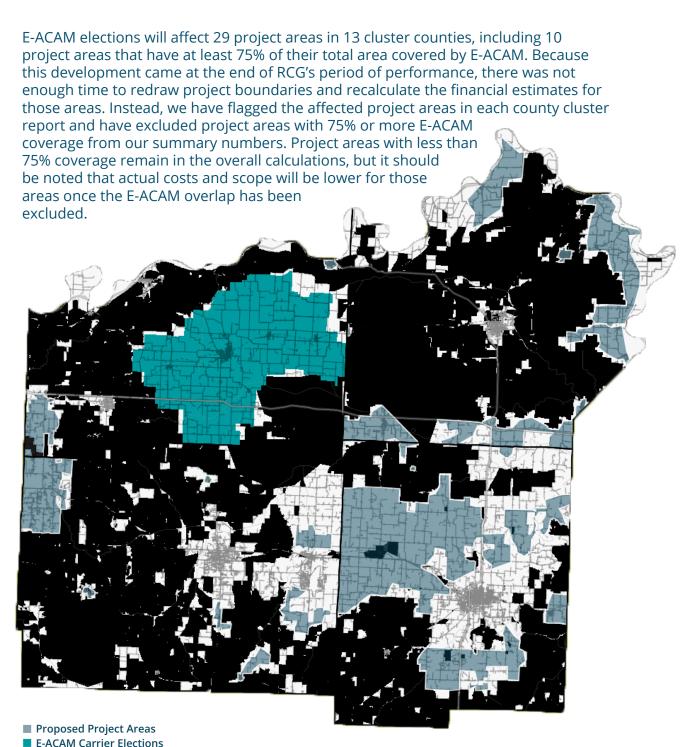
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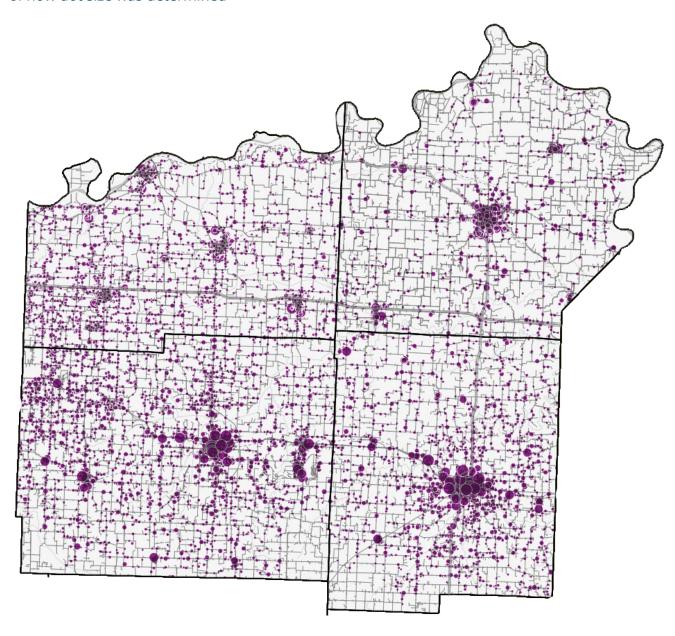


■ Awarded State or Federal Funds

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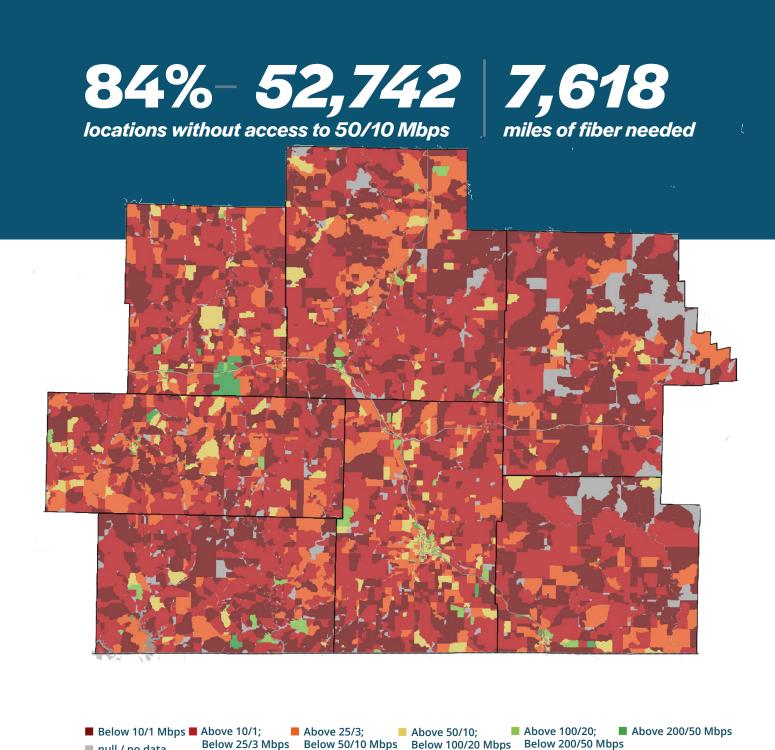
The greater the demand, the bigger the dot. The presence of a high-demand business or multiple businesses of any size will make that area significantly more attractive to a broadband provider.

*See "Business Broadband Opportunity Index" in Appendix 1 for a detailed explanation of how dot size was determined



• • Business Locations [the larger the dot the greater the broadband demand]

■ null / no data

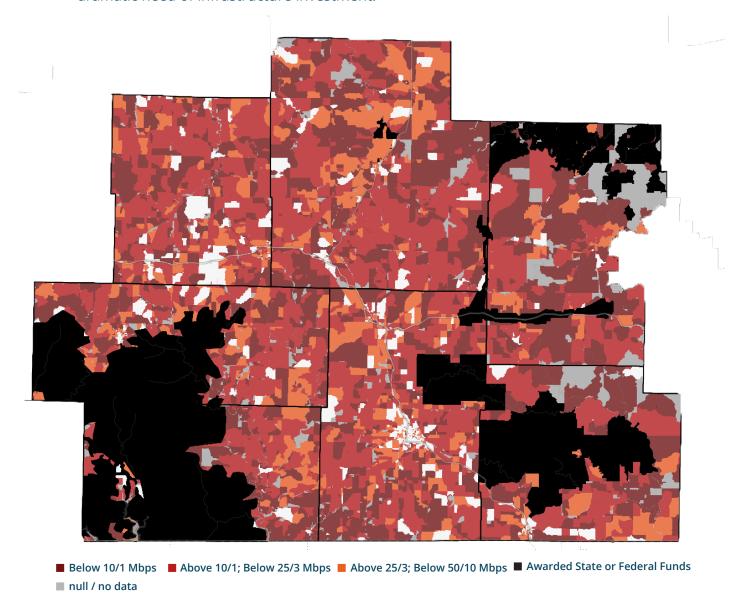


^{*}Coverage ratings reflect multiple sources, including Ookla Speedtest Intelligence® data licensed by MACOG for the months of December 2020 through July 2023. See Appendix 1 for detailed methodology

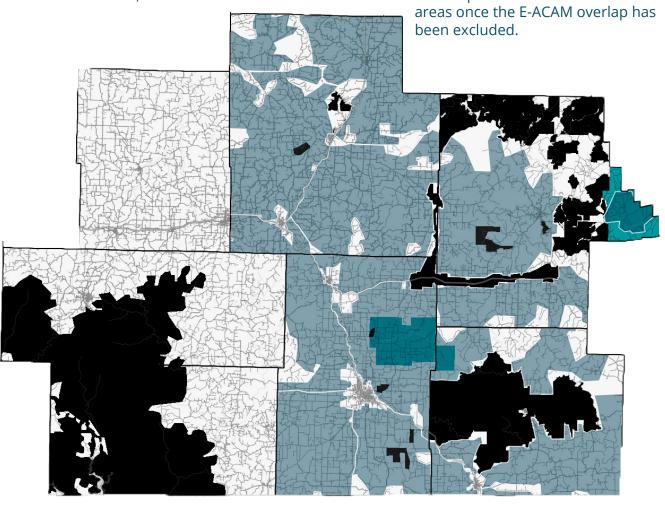
The state of Missouri received federal funding from USDA ReConnect, The Rural Digital Opportunity Fund, and the NTIA. Additional funds from the state were awarded to providers from the Missouri Broadband CARES program, American Rescue Plan Act (ARPA), and the state broadband grant program.

Blocked out areas show existing federal and state awards that were not in default at the time of this report. The remaining areas in red and orange are below 25/3 and 50/10 Mbps respectively and were the areas of focus for the county cluster project planning.

While the Federal definition of "underserved" applies to any location below 100/20, the below 50/10 threshold generates logical, contiguous service areas that remain in dramatic need of infrastructure investment.



E-ACAM elections will affect 29 project areas in 13 cluster counties, including 10 project areas that have at least 75% of their total area covered by E-ACAM. Because this development came at the end of RCG's period of performance, there was not enough time to redraw project boundaries and recalculate the financial estimates for those areas. Instead, we have flagged the affected project areas in each county cluster report and have excluded project areas with 75% or more E-ACAM coverage from our summary numbers. Project areas with less than 75% coverage remain in the overall calculations, but it should be noted that actual costs and scope will be lower for those



- Proposed Project Areas
- E-ACAM Carrier Elections
- Awarded State or Federal Funds

Business demand for broadband varies based on company size and economic sector.

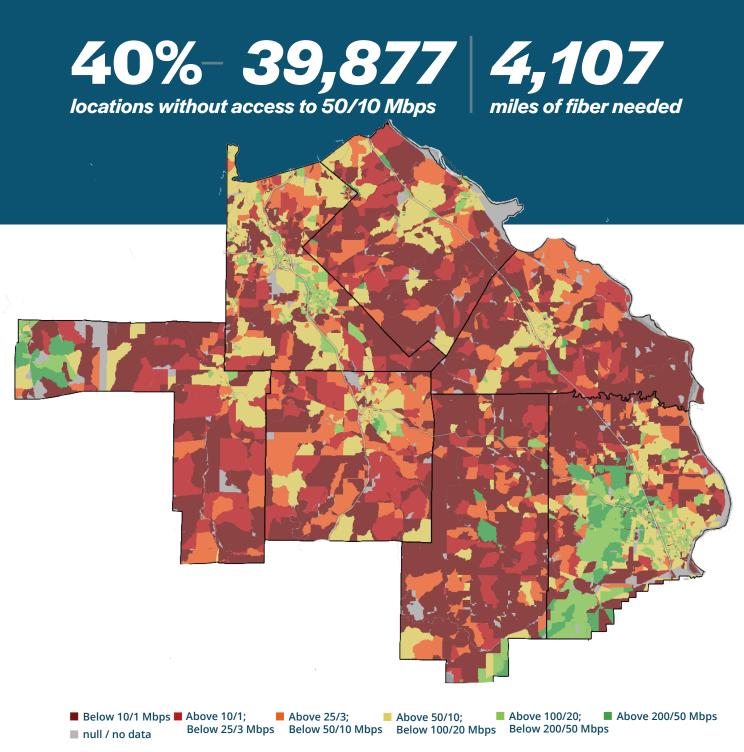
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• • Business Locations [the larger the dot the greater the broadband demand]

Regional Planning and Economic Development Commission

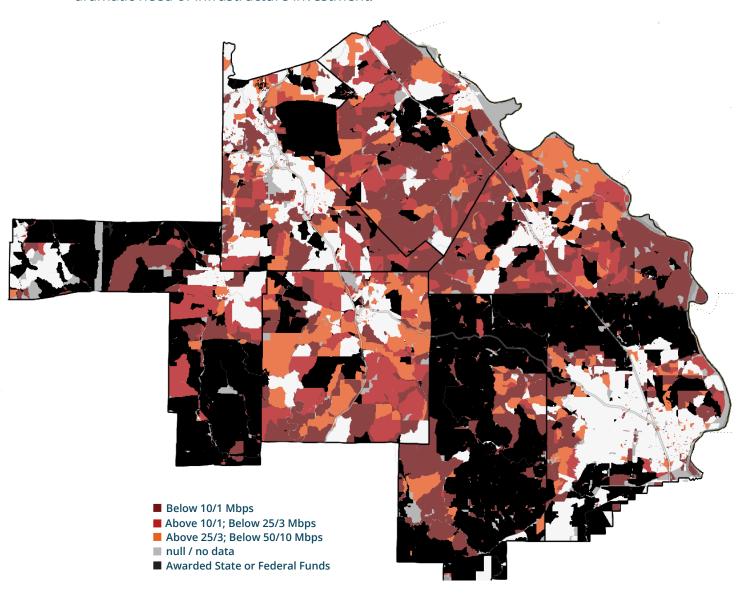


^{*}Coverage ratings reflect multiple sources, including Ookla Speedtest Intelligence® data licensed by MACOG for the months of December 2020 through July 2023. See Appendix 1 for detailed methodology

The state of Missouri received federal funding from USDA ReConnect, The Rural Digital Opportunity Fund, and the NTIA. Additional funds from the state were awarded to providers from the Missouri Broadband CARES program, American Rescue Plan Act (ARPA), and the state broadband grant program.

Blocked out areas show existing federal and state awards that were not in default at the time of this report. The remaining areas in red and orange are below 25/3 and 50/10 Mbps respectively and were the areas of focus for the county cluster project planning.

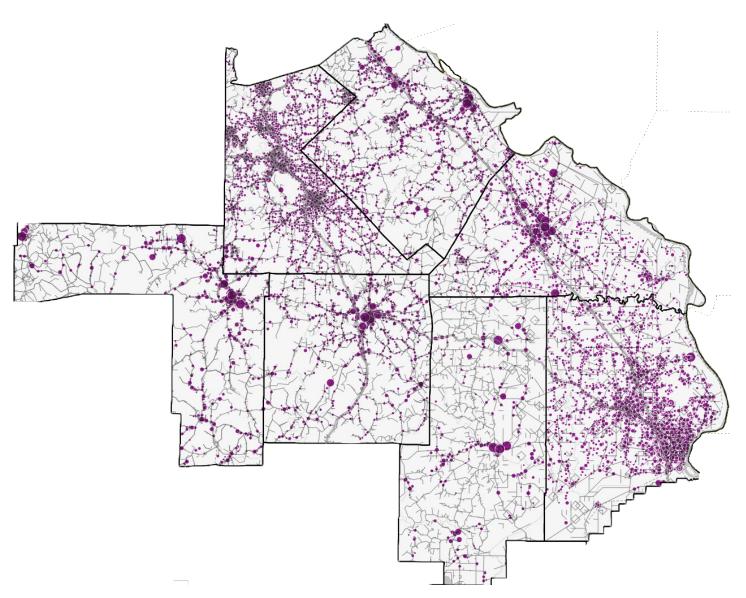
While the Federal definition of "underserved" applies to any location below 100/20, the below 50/10 threshold generates logical, contiguous service areas that remain in dramatic need of infrastructure investment.



Business demand for broadband varies based on company size and economic sector.

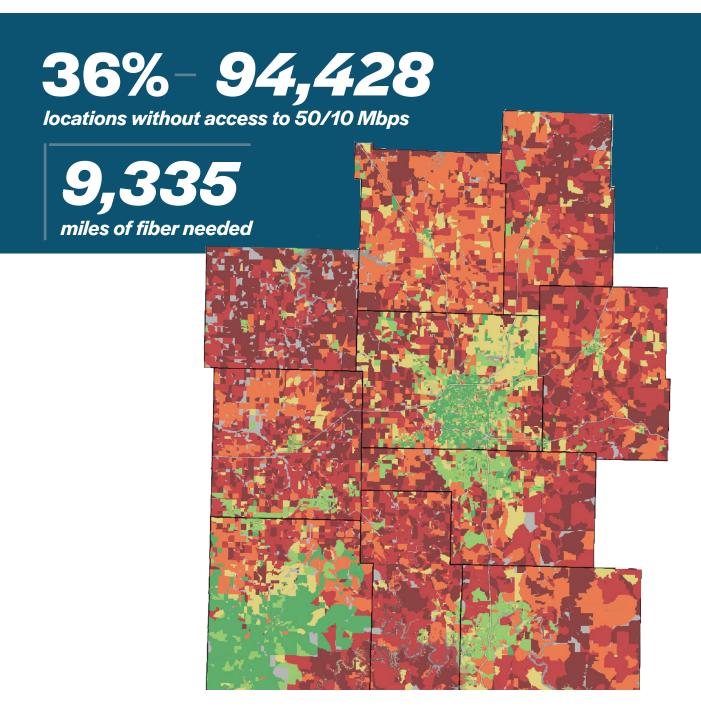
The greater the demand, the bigger the dot. The presence of a high-demand business or multiple businesses of any size will make that area significantly more attractive to a broadband provider.

*See "Business Broadband Opportunity Index" in Appendix 1 for a detailed explanation of how dot size was determined



• • Business Locations [the larger the dot the greater the broadband demand]

Southwest Missouri Council of Governments



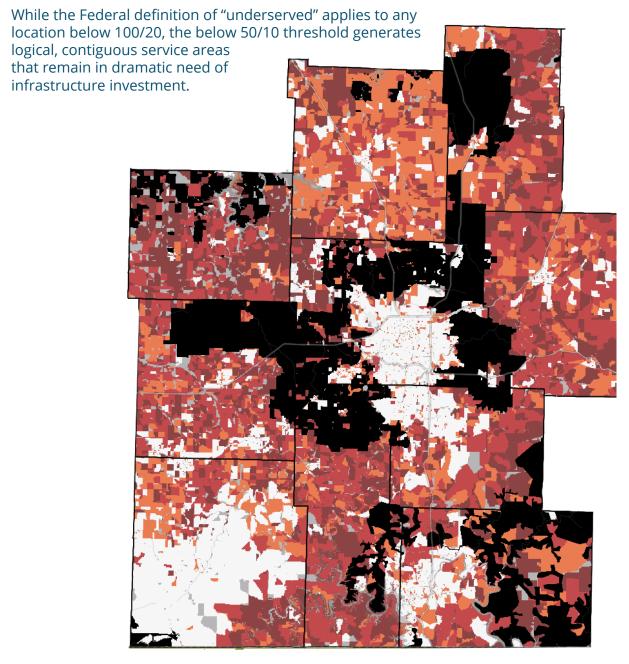
[■] Below 10/1 Mbps ■ Above 10/1; ■ Above 25/3; ■ Above 50/10; ■ Above 100/20; ■ Above 200/50 Mbps ■ null / no data ■ Below 25/3 Mbps ■ Below 50/10 Mbps ■ Below 100/20 Mbps ■ Below 200/50 Mbps

^{*}Coverage ratings reflect multiple sources, including Ookla Speedtest Intelligence® data licensed by MACOG for the months of December 2020 through July 2023. See Appendix 1 for detailed methodology

■ null / no data

The state of Missouri received federal funding from USDA ReConnect, The Rural Digital Opportunity Fund, and the NTIA. Additional funds from the state were awarded to providers from the Missouri Broadband CARES program, American Rescue Plan Act (ARPA), and the state broadband grant program.

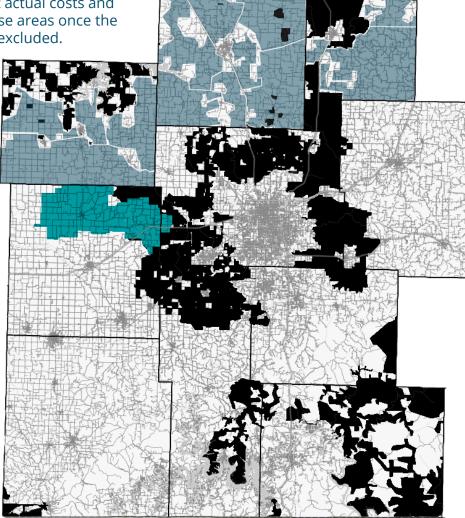
Blocked out areas show existing federal and state awards that were not in default at the time of this report. The remaining areas in red and orange are below 25/3 and 50/10 Mbps respectively and were the areas of focus for the county cluster project planning.



■ Below 10/1 Mbps ■ Above 10/1; Below 25/3 Mbps ■ Above 25/3; Below 50/10 Mbps ■ Awarded State or Federal Funds

E-ACAM elections will affect 29 project areas in 13 cluster counties, including 10 project areas that have at least 75% of their total area covered by E-ACAM. Because this development came at the end of RCG's period of performance, there was not enough time to redraw project boundaries and recalculate the financial estimates for those areas. Instead, we have flagged the affected project areas in each

county cluster report and have excluded project areas with 75% or more E-ACAM coverage from our summary numbers. Project areas with less than 75% coverage remain in the overall calculations, but it should be noted that actual costs and scope will be lower for those areas once the E-ACAM overlap has been excluded.

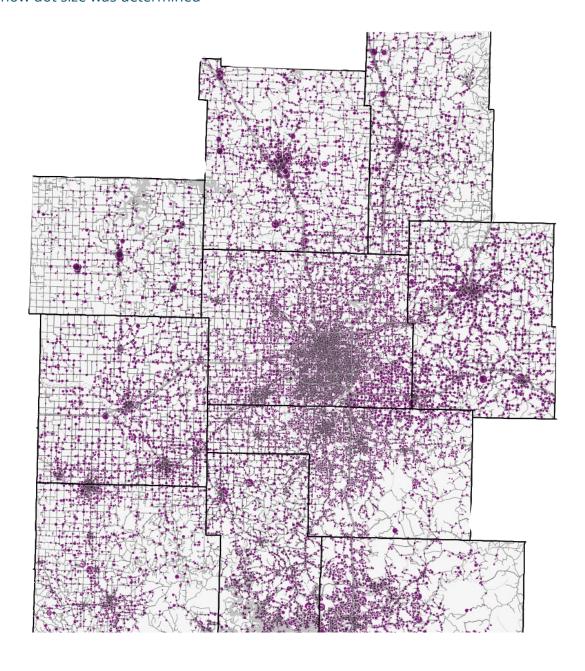


- Proposed Project Areas
- E-ACAM Carrier Elections
- Awarded State or Federal Funds

Business demand for broadband varies based on company size and economic sector.

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APPENDIX 5

Missouri Providers

The following pages are an compiled list of providers who claimed coverage with the FCC as of June 2023. The sheet is organized by county in alphabetical order. In cases, where a provider offers multiple technologies in a particular county, only the fastest technology is listed. The speed ratings are based on what each provider provided to the FCC. The Claimed Ratings are color-coded to match the speed rating scale in the maps throughout this report.



¹This list includes providers who claimed coverage with the FCC as of June 2023.

²In cases where a provider offers multiple technologies in a particular county, only the fastest technology is listed.

³Speeds and ratings are based on what each provider reported to the FCC.

County	Provider Name ¹	Provider ID	Technology ²	Claimed Rating ³	Claimed Speed ³
·		Adair County			
Adair County	AT&T Inc	130077			2 above 10/1 below 25/3
Adair County	Bluebird Network LLC	300002			6 above 200/50
Adair County	Brightspeed	470022			1 below 10/1
Adair County	Mark Twain Rural Telephone Company	130781			6 above 200/50
Adair County	Northeast Missouri Rural Telecommunications	130940			6 above 200/50
Adair County	Socket Telecom, LLC	150316	Fiber		6 above 200/50
Adair County	Sparklight	130183	Cable Modem		6 above 200/50
Adair County	T-Mobile US	130403	Fixed Wireless		5 above 100/20 below 200/50
Adair County	UNITED STATES CELLULAR CORPORATION		Fixed Wireless		3 above 25/3 below 50/10
Adair County	VERIZON	131425 Andrew County	Fixed Wireless		3 above 25/3 below 50/10
Andrew County	AT&T Inc	130077	DSL		2 above 10/1 below 25/3
Andrew County	Bluebird Network LLC	300002	Fiber		6 above 200/50
Andrew County	Brightspeed	470022	Fiber		4 above 50/10 below 100/20
Andrew County	Grand River Mutual Telephone Corporation	130560	Fiber		6 above 200/50
Andrew County	Mercury Broadband	190236	Fixed Wireless		5 above 100/20 below 200/50
Andrew County	Optimum	130370	Cable Modem		5 above 100/20 below 200/50
Andrew County	T-Mobile US		Fixed Wireless		5 above 100/20 below 200/50
Andrew County	United Fiber	150327			6 above 200/50
Andrew County	Windstream Missouri, Inc.	131413			4 above 50/10 below 100/20
		Atchison County			
Atchison County	Brightspeed	470022			3 above 25/3 below 50/10
Atchison County	IAMO Telephone Company	130631			6 above 200/50
Atchison County	Midwest Data Center	131126			6 above 200/50
Atchison County	Rock Port Telephone Company	131126			6 above 200/50
Atchison County	T-Mobile US	130403 Audrain County	Fixed Wireless		3 above 25/3 below 50/10
Audrain County	AT&T Inc	Audrain County 130077	DSL		2 above 10/1 below 25/3
Audrain County	Air Link Rural Broadband, LLC	280004			5 above 100/20 below 200/50
Audrain County	Bluebird Network LLC	300004			6 above 200/50
Audrain County	Brightspeed	470022			4 above 50/10 below 100/20
Audrain County	Callabyte	340012			6 above 200/50
Audrain County	Charter Communications Inc	130235			6 above 200/50
•					6 above 200/50
Audrain County	Kingdom Telephone Co	130697			
Audrain County	OREGON TELEPHONE CORPORATION PHYNX	130986 130697			6 above 200/50 6 above 200/50
Audrain County					5 above 100/20 below 200/50
Audrain County	Ralls Technologies, L.L.C.	160146			6 above 200/50
Audrain County	Socket Telecom, LLC	150316			5 above 200/50 5 above 100/20 below 200/50
Audrain County	T-Mobile US		Fixed Wireless		
Audrain County	UNITED STATES CELLULAR CORPORATION UPN		Fixed Wireless		3 above 25/3 below 50/10 6 above 200/50
Audrain County		350042			
Audrain County Audrain County	VERIZON Windstream Missouri, Inc.	131425	Fixed Wireless Fiber		3 above 25/3 below 50/10 6 above 200/50
riadiani oodiiti	viiidoliodiii iiilooodii, iiiol	Barry County			uboro 200/00
Barry County	AT&T Inc	130077			2 above 10/1 below 25/3
Barry County	Aire Internet		Fixed Wireless		4 above 50/10 below 100/20
Barry County	BarryElectricCooperative	360007	Fiber		6 above 200/50
Barry County	Brightspeed	470022	Fiber		4 above 50/10 below 100/20
Barry County	Cox Communications	130360	Cable Modem		5 above 100/20 below 200/50
Barry County	MCC Missouri LLC	130804	Cable Modem		6 above 200/50
Barry County	MISSOURI TELECOM	240060	Fiber		6 above 200/50
Barry County	Optimum	130370	Cable Modem		5 above 100/20 below 200/50
Barry County	T-Mobile US	130403	Fixed Wireless		5 above 100/20 below 200/50
Barry County	UNITED STATES CELLULAR CORPORATION	131310	Fixed Wireless		3 above 25/3 below 50/10
Barry County	VERIZON		Fixed Wireless		3 above 25/3 below 50/10
Barry County	Windstream Missouri, Inc.		Fixed Wireless		4 above 50/10 below 100/20
Barry County	Wisper ISP, LLC	430176	Fixed Wireless		5 above 100/20 below 200/50
Darton Com i	A TO T by	Barton County	DOL		0 -1 40/4 1 05/0
Barton County	AT&T Inc	130077			2 above 10/1 below 25/3
Barton County	Brightspeed	470022			3 above 25/3 below 50/10
Barton County	Craw Kan Telephone Cooperative Inc	130364			6 above 200/50
Barton County	K-PowerNet LLC	460048			6 above 200/50
Barton County	MCC Missouri LLC		Cable Modem		6 above 200/50
Barton County	Optimum T.Mahilla H.O.		Cable Modem		1 below 10/1
Barton County	T-Mobile US		Fixed Wireless		5 above 100/20 below 200/50
Barton County	UNITED STATES CELLULAR CORPORATION		Fixed Wireless		3 above 25/3 below 50/10
Barton County	VERIZON		Fixed Wireless		3 above 25/3 below 50/10
Barton County Barton County	Windstream Missouri, Inc.		Fixed Wireless Fixed Wireless		4 above 50/10 below 100/20 5 above 100/20 below 200/50
	Wisper ISP, LLC	Bates County	i ixeu vvireiess		above 100/20 below 200/50
Darton County	A T O T 1	130077			2 above 10/1 below 25/3
Bates County	AT&T Inc				6 above 200/50
	Bluebird Network LLC	300002			
Bates County		300002 470022			4 above 50/10 below 100/20
Bates County Bates County Bates County	Bluebird Network LLC Brightspeed	470022	DSL		4 above 50/10 below 100/20 6 above 200/50
Bates County Bates County Bates County Bates County	Bluebird Network LLC Brightspeed Conexon Connect LLC	470022 430114	DSL Fiber		6 above 200/50
Bates County Bates County Bates County Bates County Bates County	Bluebird Network LLC Brightspeed Conexon Connect LLC Consolidated Communications	470022 430114 130335	DSL Fiber DSL		6 above 200/50 4 above 50/10 below 100/20
Bates County Bates County Bates County Bates County Bates County Bates County	Bluebird Network LLC Brightspeed Conexon Connect LLC Consolidated Communications Craw Kan Telephone Cooperative Inc	470022 430114 130335 130364	DSL Fiber DSL Fiber		6 above 200/50 4 above 50/10 below 100/20 6 above 200/50
Bates County	Bluebird Network LLC Brightspeed Conexon Connect LLC Consolidated Communications Craw Kan Telephone Cooperative Inc Fastwyre Broadband	470022 430114 130335 130364 131226	DSL Fiber DSL Fiber DSL		6 above 200/50 4 above 50/10 below 100/20 6 above 200/50 3 above 25/3 below 50/10
Bates County Bates County Bates County Bates County Bates County Bates County	Bluebird Network LLC Brightspeed Conexon Connect LLC Consolidated Communications Craw Kan Telephone Cooperative Inc	470022 430114 130335 130364 131226 130183	DSL Fiber DSL Fiber DSL		6 above 200/50 4 above 50/10 below 100/20 6 above 200/50

Bates County VERICON 131427 Peric Winelss 3 above 2010 2010				
Berken County February Control Control	Bates County	VERIZON		3 above 25/3 below 50/10
Section Country AT \$1 no.	Bates County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
Section Country				
Benton County	Benton County	AT&T Inc	130077 DSL	2 above 10/1 below 25/3
Benton County	Benton County	Brightspeed	470022 Fiber	4 above 50/10 below 100/20
Element Country	Benton County	Co-Mo Connect	280017 Fiber	
Sention County Windlewsen Missouri, Inc. 1311/3 Pared Windless 3 above 250 below 9010 Sention County Windlewsen Missouri, Inc. 1311/3 ESL 3 above 20050 Sention County Windlewsen Missouri, Inc. 1311/3 ESL 3 above 20050 Sention County Windlewsen Missouri, Inc. 1311/3 ESL 3 above 20050 Sention County Windlewsen Missouri, Inc. 1301/3 TOSL 3 above 20050 Sention County Sention County Sention County Senting County Sent	Benton County	Liberty Link	390159 Fixed Wireless	5 above 100/20 below 200/50
Benton Country	Benton County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Benton Country Waper ISP, LLC Boltoger Country	Benton County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Bellion Country	Benton County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Belloan County	Benton County	Windstream Missouri. Inc.	131413 DSL	6 above 200/50
Bollinger County	•		430176 Fixed Wireless	
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Solinger County	Bollinger County	Charter Communications Inc	130235 Fiber	5 above 100/20 below 200/50
Solinger Country				6 above 200/50
Bollinger Country	,			2 above 10/1 below 25/3
Bollinger County				
Solinger County		- · · · · · · · · · · · · · · · · · · ·		
Bolinger County				
Bonne County APX Net 320008 Fiber 2 above 10/1 below 25/3				
Bone County	Boilinger County	Wisper ISF, LLC		3 above 100/20 below 200/30
Bone County	Boone County	APY Not		2 above 10/1 below 25/3
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Boone County	,			
Bonne County	Boone County	Sho-Me Technologies, LLC	330067 Fiber	6 above 200/50
Boone County	Boone County	Socket Telecom, LLC	150316 Fiber	6 above 200/50
Boone County ZGnIZON 131425 Fixed Wheles 5 above 25/3 below 50/10	Boone County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Boone County	Boone County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Buchanan County	Boone County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Buchanan County	Boone County	iZones	460045 Fixed Wireless	5 above 100/20 below 200/50
Buchanan County Brightspeed 470022 DSL 3 above 25/3 below 50/10 Buchanan County Mercury Broadband 1902/36 Fixed Wireless 5 above 10/10/20 below 200/50 Buchanan County Mercury Broadband 1902/36 Fixed Wireless 5 above 200/50 Buchanan County Children County	· ·		Buchanan County	
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Buchanan County	Buchanan County	AT&T Inc	130077 DSL	2 above 10/1 below 25/3
Buchanan County				
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Buchanan County Voyant Communications 310026 Fiber 2 above 10/12 below 25/3	•			
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Butler County	Buchanan County	Wisper ISP, LLC		3 above 100/20 below 200/50
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Caldwell County Brightspeed 470022 Fiber 6 above 200/50 Caldwell County Grand River Mutual Telephone Corporation 130560 Fiber 6 above 200/50 Caldwell County Green Hills Technologies 130263 Fiber 6 above 200/50 Caldwell County Mercury Broadband 190236 Fixed Wireless 5 above 100/20 below 200/50 Caldwell County UPN 350042 Fiber 2 above 100/20 below 200/50 Caldwell County UPN 350042 Fiber 2 above 100/20 below 200/50 Caldwell County UPN 350042 Fiber 2 above 100/20 below 200/50 Caldwell County United Fiber 150327 Fiber 6 above 200/50 Caldwell County VERIZON 131425 Fixed Wireless 3 above 200/50 Callaway County AT&T Inc 130077 DSL 2 above 20/50 Callaway County Brightspeed 470022 Fiber 6 above 200/50				
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Caldwell County Mercury Broadband 190236 Fixed Wireless 5 above 100/20 below 200/50 Caldwell County T-Mobile US 130403 Fixed Wireless 5 above 100/20 below 200/50 Caldwell County UPN 350042 Fiber 2 above 10/10 below 25/3 Caldwell County United Fiber 150327 Fiber 6 above 200/50 Caldwell County VERIZON 131425 Fixed Wireless 3 above 25/3 below 50/10 Callaway County VERIZON 130007 DSL 2 above 25/3 below 50/10 Callaway County AT&T Inc 130077 DSL 2 above 200/50 Callaway County Bightspeed 470022 Fiber 6 above 200/50 Callaway County Callabyte 340012 Fiber 6 above 200/50 Callaway County Charter Communications Inc 130235 Fiber 6 above 200/50 Callaway County Kingdom Telephone Co 130697 Fiber 6 above 200/50<	Caldwell County	Green Hills Technologies	130263 Fiber	6 above 200/50
Caldwell County T-Mobile US 130403 Fixed Wireless 5 above 100/20 below 200/50 Caldwell County UPN 350042 Fiber 2 above 100/10 below 25/3 Caldwell County United Fiber 150327 Fiber 6 above 200/50 Caldwell County VERIZON 131425 Fixed Wireless 3 above 25/3 below 50/10 Callaway County AT&T Inc 130077 DSL 2 above 10/1 below 25/3 Callaway County Bluebird Network LLC 300002 Fiber 6 above 200/50 Callaway County Brightspeed 470022 Fiber 6 above 200/50 Callaway County Callabyte 340012 Fiber 6 above 200/50 Callaway County Charter Communications Inc 130235 Fiber 6 above 200/50 Callaway County Kingdom Telephone Co 130697 Fiber 6 above 200/50 Callaway County MCC Missouri LLC 130697 Fiber 6 above 200/50 Callaway County PHYNX 130697 Fiber 6	Caldwell County	Mercury Broadband		5 above 100/20 below 200/50
Caldwell County UPN 350042 Fiber 2 above 10/1 below 25/3 Caldwell County United Fiber 150327 Fiber 6 above 200/50 Caldwell County VERIZON 131425 Fixed Wireless 3 above 25/3 below 50/10 Callaway County Callaway County AT&T Inc 130077 DSL 2 above 10/1 below 25/3 Callaway County Bluebird Network LLC 300002 Fiber 6 above 200/50 Callaway County Brightspeed 470022 Fiber 6 above 200/50 Callaway County Callabyte 340012 Fiber 6 above 200/50 Callaway County Charter Communications Inc 130235 Fiber 6 above 200/50 Callaway County Kingdom Telephone Co 130697 Fiber 6 above 200/50 Callaway County MCC Missouri LLC 130894 Cable Modem 6 above 200/50 Callaway County PHYNX 130697 Fiber 6 above 200/50 Callaway County PHYNX 130697 Fiber 6 above 200/50 Callaway County Socket Telecom, LLC 150316 Fiber 6 above 200/50	Caldwell County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Caldwell County United Fiber 150327 Fiber 6 above 200/50 Caldwell County VERIZON 131425 Fixed Wireless 3 above 25/3 below 50/10 Callaway County Callaway County AT&T Inc 130077 DSL 2 above 10/1 below 25/3 Callaway County Bluebird Network LLC 300002 Fiber 6 above 200/50 Callaway County Brightspeed 470022 Fiber 6 above 200/50 Callaway County Callabyte 340012 Fiber 6 above 200/50 Callaway County Charter Communications Inc 13023 Fiber 6 above 200/50 Callaway County Kingdom Telephone Co 130697 Fiber 6 above 200/50 Callaway County MCC Missouri LLC 130804 Cable Modem 6 above 200/50 Callaway County PHYNX 130697 Fiber 6 above 200/50 Callaway County Socket Telecom, LLC 150316 Fiber 6 above 200/50	•			
Caldwell County VERIZON 131425 Fixed Wireless 3 above 25/3 below 50/10 Callaway County Callaway County AT&T Inc 130077 DSL 2 above 10/1 below 25/3 Callaway County Bluebird Network LLC 300002 Fiber 6 above 200/50 Callaway County Brightspeed 470022 Fiber 6 above 200/50 Callaway County Callabyte 340012 Fiber 6 above 200/50 Callaway County Charter Communications Inc 130235 Fiber 6 above 200/50 Callaway County Kingdom Telephone Co 130697 Fiber 6 above 200/50 Callaway County MCC Missouri LLC 130804 Cable Modem 6 above 200/50 Callaway County PHYNX 130697 Fiber 6 above 200/50 Callaway County Socket Telecom, LLC 150316 Fiber 6 above 200/50	•			
Callaway County Callaway County AT&T Inc 130077 DSL 2 above 10/1 below 25/3 Callaway County Bluebird Network LLC 300002 Fiber 6 above 200/50 Callaway County Brightspeed 470022 Fiber 6 above 200/50 Callaway County Callabyte 340012 Fiber 6 above 200/50 Callaway County Charter Communications Inc 130235 Fiber 6 above 200/50 Callaway County Kingdom Telephone Co 130697 Fiber 6 above 200/50 Callaway County MCC Missouri LLC 130804 Cable Modem 6 above 200/50 Callaway County PHYNX 130697 Fiber 6 above 200/50 Callaway County Socket Telecom, LLC 150316 Fiber 6 above 200/50	•			
Callaway County AT&T Inc 130077 DSL 2 above 10/1 below 25/3 Callaway County Bluebird Network LLC 300002 Fiber 6 above 200/50 Callaway County Brightspeed 470022 Fiber 6 above 200/50 Callaway County Callabyte 340012 Fiber 6 above 200/50 Callaway County Charter Communications Inc 130235 Fiber 6 above 200/50 Callaway County Kingdom Telephone Co 130697 Fiber 6 above 200/50 Callaway County MCC Missouri LLC 130804 Cable Modem 6 above 200/50 Callaway County PHYNX 130697 Fiber 6 above 200/50 Callaway County Socket Telecom, LLC 150316 Fiber 6 above 200/50	,			
Callaway County Bluebird Network LLC 300002 Fiber 6 above 200/50 Callaway County Brightspeed 470022 Fiber 6 above 200/50 Callaway County Callabyte 340012 Fiber 6 above 200/50 Callaway County Charter Communications Inc 130235 Fiber 6 above 200/50 Callaway County Kingdom Telephone Co 130697 Fiber 6 above 200/50 Callaway County MCC Missouri LLC 130804 Cable Modem 6 above 200/50 Callaway County PHYNX 130697 Fiber 6 above 200/50 Callaway County Socket Telecom, LLC 150316 Fiber above 200/50	Callaway County	AT&T Inc		2 above 10/1 below 25/3
Callaway County Brightspeed 470022 Fiber 6 above 200/50 Callaway County Callabyte 340012 Fiber 6 above 200/50 Callaway County Charter Communications Inc 130235 Fiber 6 above 200/50 Callaway County Kingdom Telephone Co 130697 Fiber 6 above 200/50 Callaway County MCC Missouri LLC 130804 Cable Modem 6 above 200/50 Callaway County PHYNX 130697 Fiber 6 above 200/50 Callaway County Socket Telecom, LLC 150316 Fiber 6 above 200/50				
Callaway County Callabyte 340012 Fiber 6 above 200/50 Callaway County Charter Communications Inc 130235 Fiber 6 above 200/50 Callaway County Kingdom Telephone Co 130697 Fiber 6 above 200/50 Callaway County MCC Missouri LLC 130804 Cable Modem 6 above 200/50 Callaway County PHYNX 130697 Fiber 6 above 200/50 Callaway County Socket Telecom, LLC 150316 Fiber 6 above 200/50				
Callaway County Charter Communications Inc 130235 Fiber 6 above 200/50 Callaway County Kingdom Telephone Co 130697 Fiber 6 above 200/50 Callaway County MCC Missouri LLC 130804 Cable Modem 6 above 200/50 Callaway County PHYNX 130697 Fiber 6 above 200/50 Callaway County Socket Telecom, LLC 150316 Fiber 6 above 200/50				
Callaway County Kingdom Telephone Co 130697 Fiber 6 above 200/50 Callaway County MCC Missouri LLC 130804 Cable Modem 6 above 200/50 Callaway County PHYNX 130697 Fiber 6 above 200/50 Callaway County Socket Telecom, LLC 150316 Fiber 6 above 200/50				
Callaway County MCC Missouri LLC 130804 Cable Modem 6 above 200/50 Callaway County PHYNX 130697 Fiber 6 above 200/50 Callaway County Socket Telecom, LLC 150316 Fiber 6 above 200/50		Charter Communications Inc		0 above 200/30
Callaway County PHYNX 130697 Fiber 6 above 200/50 Callaway County Socket Telecom, LLC 150316 Fiber 6 above 200/50				
Callaway County Socket Telecom, LLC 150316 Fiber 6 above 200/50	Callaway County	Kingdom Telephone Co	130697 Fiber	6 above 200/50
	Callaway County Callaway County	Kingdom Telephone Co MCC Missouri LLC	130697 Fiber 130804 Cable Modem	6 above 200/50 6 above 200/50
Callaway County 1-Widdle US 13/0403 Fixed Wilreless 3 above 100/20 below 200/50	Callaway County Callaway County Callaway County	Kingdom Telephone Co MCC Missouri LLC PHYNX	130697 Fiber 130804 Cable Modem 130697 Fiber	6 above 200/50 6 above 200/50 6 above 200/50
	Callaway County Callaway County Callaway County Callaway County	Kingdom Telephone Co MCC Missouri LLC PHYNX Socket Telecom, LLC	130697 Fiber 130804 Cable Modem 130697 Fiber 150316 Fiber	6 above 200/50 6 above 200/50 6 above 200/50 6 above 200/50

Callaway County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Callaway County	UPN	350042 Fiber	6 above 200/50
Callaway County	VERIZON	131425 Fixed Wireless	4 above 50/10 below 100/20
Callaway County	Windstream Missouri, Inc.	131413 DSL	6 above 200/50
Callaway County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
Callaway County	iZones	460045 Fixed Wireless	5 above 100/20 below 200/50
Callaway County	Edites	Camden County	3 above 100/20 below 200/30
Camden County	AT&T Inc	130077 DSL	2 above 10/1 below 25/3
Camden County	Brightspeed	470022 DSL	3 above 25/3 below 50/10
Camden County	Cable America	130183 Cable Modem	6 above 200/50
Camden County	Charter Communications Inc	130235 Fiber	6 above 200/50
Camden County	Co-Mo Connect	280017 Fiber	6 above 200/50
•		130335 DSL	6 above 200/50
Camden County	Consolidated Communications, Fidium		
Camden County	OREGON TELEPHONE CORPORATION	130986 DSL	3 above 25/3 below 50/10
Camden County	Sho-Me Technologies, LLC	330067 Fiber	6 above 200/50
Camden County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Camden County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Camden County	VERIZON	131425 Fixed Wireless	4 above 50/10 below 100/20
Camden County	Windstream Missouri, Inc.	131413 DSL	1 below 10/1
Camden County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
		ape Girardeau County	
Cape Girardeau County	AT&T Inc	130077 DSL	2 above 10/1 below 25/3
Cape Girardeau County	Big River Broadband	130124 Fiber	6 above 200/50
Cape Girardeau County	Big River Communications	130124 Fiber	6 above 200/50
Cape Girardeau County	Charter Communications Inc	130235 Fiber	6 above 200/50
Cape Girardeau County	Consolidated Communications, Fidium	130335 DSL	6 above 200/50
Cape Girardeau County	GoSEMO, LLC	390101 Fiber	6 above 200/50
Cape Girardeau County	Ritter Communications	130427 Fiber	6 above 200/50
Cape Girardeau County	Sho-Me Technologies, LLC	330067 Fiber	6 above 200/50
Cape Girardeau County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Cape Girardeau County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Cape Girardeau County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
Cape Gilaidead County	Wisper ISF, LLO	Carroll County	3 above 100/20 below 200/30
Carroll County	ATOT Inc		2 above 10/1 below 25/2
Carroll County	AT&T Inc Bluebird Network LLC	130077 DSL	2 above 10/1 below 25/3 6 above 200/50
Carroll County		300002 Fiber	
Carroll County	Brightspeed	470022 DSL	3 above 25/3 below 50/10
Carroll County	Chariton Valley Telephone Corporation	130234 Fiber	6 above 200/50
Carroll County	Green Hills Technologies	130263 Fiber	6 above 200/50
Carroll County	MCC Missouri LLC	130804 Cable Modem	6 above 200/50
Carroll County	T-Mobile US	130403 Fixed Wireless	3 above 25/3 below 50/10
Carroll County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
		Carter County	
Carter County	BOYCOM CABLEVISION INC.	190059 Cable Modem	5 above 100/20 below 200/50
Carter County	Brightspeed	470022 DSL	3 above 25/3 below 50/10
Carter County	McCormack Networks	130449 Fiber	6 above 200/50
Carter County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Carter County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Carter County	Windstream Missouri, Inc.	131413 DSL	6 above 200/50
•		Cass County	
Cass County	AT&T Inc	130077 Fiber	6 above 200/50
Cass County	Brightspeed	470022 Fiber	4 above 50/10 below 100/20
Cass County	Charter Communications Inc	130235 Fiber	6 above 200/50
Cass County	Conexon Connect LLC	430114 Fiber	6 above 200/50
Cass County	Consolidated Communications	130335 Fiber	6 above 200/50
Cass County		130183 Cable Modem	5 above 100/20 below 200/50
Cass County Cass County	Fidelity Google Fiber	240041 Fiber	6 above 200/50
a a .			
Cass County	KC Web	380064 Fiber	6 above 200/50
Cass County	Liberty Link	390159 Fixed Wireless 130804 Cable Modem	5 above 100/20 below 200/50
Cass County	MCC Missouri LLC		6 above 200/50
Cass County	MoKan Dial, Inc.	131362 Fiber	6 above 200/50
Cass County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Cass County	UPN	350042 Fiber	6 above 200/50
Cass County	VERIZON	131425 Fixed Wireless	4 above 50/10 below 100/20
Cass County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
Cass County	Xfinity	130317 Cable Modem	6 above 200/50
		Cedar County	
Cedar County	Brightspeed	470022 DSL	3 above 25/3 below 50/10
Cedar County	Click Computers Inc.	360018 Fixed Wireless	5 above 100/20 below 200/50
0 - 1 0 + -	Conexon Connect LLC	430114 Fiber	6 above 200/50
Cedar County		130183 Cable Modem	5 above 100/20 below 200/50
•	Fidelity		3 above 25/3 below 50/10
Cedar County	T-Mobile US	130403 Fixed Wireless	3 above 25/3 below 50/10
Cedar County Cedar County		130403 Fixed Wireless 131310 Fixed Wireless	2 above 10/1 below 25/3
Cedar County Cedar County Cedar County	T-Mobile US		
Cedar County Cedar County Cedar County Cedar County	T-Mobile US UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	2 above 10/1 below 25/3
Cedar County Cedar County Cedar County Cedar County Cedar County Cedar County	T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc.	131310 Fixed Wireless 131425 Fixed Wireless	2 above 10/1 below 25/3 3 above 25/3 below 50/10
Cedar County Cedar County Cedar County Cedar County Cedar County Cedar County	T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON	131310 Fixed Wireless 131425 Fixed Wireless 131413 Fixed Wireless 430176 Fixed Wireless	2 above 10/1 below 25/3 3 above 25/3 below 50/10 4 above 50/10 below 100/20
Cedar County	T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Wisper ISP, LLC	131310 Fixed Wireless 131425 Fixed Wireless 131413 Fixed Wireless 430176 Fixed Wireless Chariton County	2 above 10/1 below 25/3 3 above 25/3 below 50/10 4 above 50/10 below 100/20 5 above 100/20 below 200/50
Cedar County Chariton County	T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc	131310 Fixed Wireless 131425 Fixed Wireless 131413 Fixed Wireless 430176 Fixed Wireless Chariton County 130077 DSL	2 above 10/1 below 25/3 3 above 25/3 below 50/10 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 10/1 below 25/3
Cedar County Chariton County Chariton County	T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Air Link Rural Broadband, LLC	131310 Fixed Wireless 131425 Fixed Wireless 131413 Fixed Wireless 430176 Fixed Wireless Chariton County 130077 DSL 280004 Fiber	2 above 10/1 below 25/3 3 above 25/3 below 50/10 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 10/1 below 25/3 5 above 100/20 below 200/50
Cedar County Chariton County Chariton County Chariton County	T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Air Link Rural Broadband, LLC Brightspeed	131310 Fixed Wireless 131425 Fixed Wireless 131413 Fixed Wireless 430176 Fixed Wireless Chariton County 130077 DSL 280004 Fiber 470022 DSL	2 above 10/1 below 25/3 3 above 25/3 below 50/10 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 10/1 below 25/3 5 above 100/20 below 200/50 4 above 50/10 below 100/20
Cedar County Chariton County Chariton County Chariton County Chariton County Chariton County	T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Air Link Rural Broadband, LLC Brightspeed Chariton Valley Communication Corporation	131310 Fixed Wireless 131425 Fixed Wireless 131413 Fixed Wireless 430176 Fixed Wireless Chariton County 130077 DSL 280004 Fiber 470022 DSL 130234 Fiber	2 above 10/1 below 25/3 3 above 25/3 below 50/10 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 10/1 below 25/3 5 above 100/20 below 200/50 4 above 50/10 below 100/20 6 above 200/50
Cedar County Chariton County	T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Air Link Rural Broadband, LLC Brightspeed Chariton Valley Communication Corporation Chariton Valley Telephone Corporation	131310 Fixed Wireless 131425 Fixed Wireless 131413 Fixed Wireless 430176 Fixed Wireless Chariton County 130077 DSL 280004 Fiber 470022 DSL 130234 Fiber 130234 Fiber	2 above 10/1 below 25/3 3 above 25/3 below 50/10 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 10/1 below 25/3 5 above 100/20 below 200/50 4 above 50/10 below 100/20 6 above 200/50 6 above 200/50
Cedar County Chariton County	T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Air Link Rural Broadband, LLC Brightspeed Chariton Valley Communication Corporation	131310 Fixed Wireless 131425 Fixed Wireless 131413 Fixed Wireless 430176 Fixed Wireless Chariton County 130077 DSL 280004 Fiber 470022 DSL 130234 Fiber	2 above 10/1 below 25/3 3 above 25/3 below 50/10 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 10/1 below 25/3 5 above 100/20 below 200/50 4 above 50/10 below 100/20 6 above 200/50

Chariton County			
	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Chariton County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Chariton County	Windstream Missouri, Inc.	131413 Fixed Wireless	4 above 50/10 below 100/20
onamon county	Trindendam Miccount, mo.	Christian County	1 00010 00/10 00/01 100/20
Christian County	AT&T Inc	130077 Fiber	6 above 200/50
Christian County	Brightspeed	470022 Fiber	6 above 200/50
Christian County	Cable America	130183 Cable Modem	6 above 200/50
Christian County	K-PowerNet LLC	460048 Fiber	6 above 200/50
•			
Christian County	MCC Missouri LLC	130804 Cable Modem	6 above 200/50
Christian County	Net Vision Communications	360128 Fiber	6 above 200/50
Christian County	Optimum	130370 Cable Modem	5 above 100/20 below 200/50
Christian County	Sho-Me Technologies, LLC	330067 Fiber	6 above 200/50
Christian County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Christian County	Total HighSpeed Internet Solutions	260056 Fiber	6 above 200/50
Christian County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Christian County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Christian County	WON Communications LLC	400056 Fixed Wireless	6 above 200/50
Christian County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
Offination County	Wisper for , LLO	Clark County	above 100/20 below 200/30
Clark Caushy	Division Nationals III C		6 above 200/50
Clark County	Bluebird Network LLC	300002 Fiber	
Clark County	Brightspeed	470022 DSL	4 above 50/10 below 100/20
Clark County	FullSpeed LLC	470034 Fixed Wireless	3 above 25/3 below 50/10
Clark County	Mark Twain Rural Telephone Company	130781 Fiber	6 above 200/50
Clark County	Northeast Missouri Rural Telecommunications	130940 Fiber	6 above 200/50
Clark County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Clark County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Clark County	Windstream Iowa Communications, Inc.	131413 DSL	1 below 10/1
Clark County	yondoo Broadband, LLC	390157 Fiber	6 above 200/50
Olark County	yondoo bioadband, EEO	Clay County	above 200/30
Clay County	AT&T Inc		6 above 200/50
Clay County		130077 Fiber	
Clay County	Bluebird Network LLC	300002 Fiber	6 above 200/50
Clay County	Brightspeed	470022 Fiber	6 above 200/50
Clay County	Charter Communications Inc	130235 Fiber	6 above 200/50
Clay County	Consolidated Communications	130335 Fiber	6 above 200/50
Clay County	Everfast Fiber	470028 Cable Modem	5 above 100/20 below 200/50
Clay County	Fusion Cloud Services, Inc.	360117 DSL	1 below 10/1
	· · · · · · · · · · · · · · · · · · ·	240041 Fiber	6 above 200/50
Clay County	Google Fiber		
Clay County	Intercept Wireless; Intercept Fiber	340036 Fiber	6 above 200/50
Clay County	KC Fiber	150237 Fiber	6 above 200/50
Clay County	MCC Missouri LLC	130804 Cable Modem	6 above 200/50
Clay County	NetFortris	300103 Fiber	5 above 100/20 below 200/50
Clay County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Clay County	UPN	350042 Fiber	6 above 200/50
		150327 Fiber	6 above 200/50
Clay County	United Fiber		
Clay County	VERIZON	131425 Fixed Wireless	6 above 200/50
	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
Clay County			
		Clinton County	0.00/50
Clinton County	Bluebird Network LLC	Clinton County 300002 Fiber	6 above 200/50
	Bluebird Network LLC Brightspeed	Clinton County	4 above 50/10 below 100/20
Clinton County	Bluebird Network LLC	Clinton County 300002 Fiber	
Clinton County Clinton County	Bluebird Network LLC Brightspeed	Clinton County 300002 Fiber 470022 Fiber	4 above 50/10 below 100/20
Clinton County Clinton County Clinton County Clinton County	Bluebird Network LLC Brightspeed Charter Communications Inc	Clinton County 300002 Fiber 470022 Fiber 130235 Fiber	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50
Clinton County Clinton County Clinton County Clinton County Clinton County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber	Clinton County 300002 Fiber 470022 Fiber 130235 Fiber 130560 Fiber 340036 Fixed Wireless	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10
Clinton County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC	Clinton County 300002 Fiber 470022 Fiber 130235 Fiber 130560 Fiber 340036 Fixed Wireless 130804 Cable Modem	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50
Clinton County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband	Clinton County 300002 Fiber 470022 Fiber 130235 Fiber 130560 Fiber 340036 Fixed Wireless 130804 Cable Modem 190236 Fixed Wireless	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50
Clinton County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US	Clinton County 300002 Fiber 470022 Fiber 130235 Fiber 130560 Fiber 340036 Fixed Wireless 130804 Cable Modem 190236 Fixed Wireless 130403 Fixed Wireless	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50 5 above 100/20 below 200/50
Clinton County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN	Clinton County 300002 Fiber 470022 Fiber 130235 Fiber 130560 Fiber 340036 Fixed Wireless 130804 Cable Modem 190236 Fixed Wireless 130403 Fixed Wireless 350042 Fiber	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50 6 above 100/20 below 200/50 6 above 200/50
Clinton County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber	Clinton County 300002 Fiber 470022 Fiber 130235 Fiber 130560 Fiber 340036 Fixed Wireless 130804 Cable Modem 190236 Fixed Wireless 130403 Fixed Wireless 350042 Fiber 150327 Fiber	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 6 above 200/50 6 above 200/50
Clinton County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON	Clinton County 300002 Fiber 470022 Fiber 130235 Fiber 130560 Fiber 340036 Fixed Wireless 130804 Cable Modem 190236 Fixed Wireless 130403 Fixed Wireless 130402 Fiber 150327 Fiber 131425 Fixed Wireless	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 4 above 50/10 below 100/20
Clinton County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber	State	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 6 above 200/50 6 above 200/50
Clinton County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON	Clinton County 300002 Fiber 470022 Fiber 130235 Fiber 130560 Fiber 340036 Fixed Wireless 130804 Cable Modem 190236 Fixed Wireless 130403 Fixed Wireless 130402 Fiber 150327 Fiber 131425 Fixed Wireless	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 6 above 200/50 6 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50
Clinton County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON	State	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 4 above 50/10 below 100/20
Clinton County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC	State	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 6 above 200/50 6 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50
Clinton County Cole County Cole County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC	Clinton County 300002 Fiber 470022 Fiber 130235 Fiber 130560 Fiber 340036 Fixed Wireless 130804 Cable Modem 190236 Fixed Wireless 130403 Fixed Wireless 350042 Fiber 150327 Fiber 131425 Fixed Wireless 430176 Fixed Wireless Cole County 130077 Fiber 300002 Fiber	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50
Clinton County Cole County Cole County Cole County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed	State	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 4 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50
Clinton County Cole County Cole County Cole County Cole County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte	State	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50
Clinton County Cole County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte Co-Mo Connect	State	4 above 50/10 below 100/20 6 above 200/50 3 above 200/50 3 above 200/50 5 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50
Clinton County Colentor County Cole County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte Co-Mo Connect Consolidated Communications, Fidium	State	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 200/50 5 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 4 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50
Clinton County Cole County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte Co-Mo Connect Consolidated Communications, Fidium MCC Missouri LLC	300002 Fiber 470022 Fiber 130235 Fiber 130560 Fiber 340036 Fixed Wireless 130804 Cable Modem 190236 Fixed Wireless 130403 Fixed Wireless 130403 Fixed Wireless 130403 Fixed Wireless 150327 Fiber 151425 Fixed Wireless 430176 Fixed Wireless 430176 Fixed Wireless Cole County 130077 Fiber 300002 Fiber 470022 Fiber 340012 Fiber 280017 Fiber 130335 DSL 130804 Cable Modem 130566 Cable Modem 1305666 Cable Modem 13056666 Cable Modem 13056666 Cable Modem 13056666 Cable Modem 13056666 Cable Modem 1305666666 Cable Modem 1305666666666666666666666666666666666666	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50
Clinton County Colentor County Cole County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte Co-Mo Connect Consolidated Communications, Fidium MCC Missouri LLC Optimum	State	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50
Clinton County Cole County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte Co-Mo Connect Consolidated Communications, Fidium MCC Missouri LLC	300002 Fiber 470022 Fiber 130235 Fiber 130560 Fiber 340036 Fixed Wireless 130804 Cable Modem 190236 Fixed Wireless 130403 Fixed Wireless 130403 Fixed Wireless 130403 Fixed Wireless 150327 Fiber 151425 Fixed Wireless 430176 Fixed Wireless 430176 Fixed Wireless Cole County 130077 Fiber 300002 Fiber 470022 Fiber 340012 Fiber 280017 Fiber 130335 DSL 130804 Cable Modem 130566 Cable Modem 1305666 Cable Modem 13056666 Cable Modem 13056666 Cable Modem 13056666 Cable Modem 13056666 Cable Modem 1305666666 Cable Modem 1305666666666666666666666666666666666666	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 4 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50
Clinton County Cole County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte Co-Mo Connect Consolidated Communications, Fidium MCC Missouri LLC Optimum	State	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50
Clinton County Cole County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte Co-Mo Connect Consolidated Communications, Fidium MCC Missouri LLC Optimum Sho-Me Technologies, LLC	State	4 above 50/10 below 100/20 6 above 200/50 3 above 200/50 3 above 200/50 5 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 6 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 100/20 below 200/50 6 above 100/20 below 200/50 6 above 100/20 below 200/50 6 above 200/50
Clinton County Cole County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte Co-Mo Connect Consolidated Communications, Fidium MCC Missouri LLC Optimum Sho-Me Technologies, LLC Socket Telecom, LLC T-Mobile US	300002 Fiber 470022 Fiber 130235 Fiber 130560 Fiber 340036 Fixed Wireless 130804 Cable Modem 190236 Fixed Wireless 130403 Fixed Wireless 130403 Fixed Wireless 130403 Fixed Wireless 150327 Fiber 150327 Fiber 131425 Fixed Wireless 430176 Fixed Wireless 430176 Fixed Wireless Fiber 1300002 Fiber 1300002 Fiber 1304012 Fiber 130335 DSL 130804 Cable Modem 130370 Cable Modem 130370 Cable Modem 130316 Fiber 130403 Fixed Wireless 130403 Fixed Wireless 130403 Fixed Wireless 130403 Fixed Wireless 130560 Fiber 130600 Fiber	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 4 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50
Clinton County Cole County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte Co-Mo Connect Consolidated Communications, Fidium MCC Missouri LLC Optimum Sho-Me Technologies, LLC Socket Telecom, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION	State	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50
Clinton County Cole County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte Co-Mo Connect Consolidated Communications, Fidium MCC Missouri LLC Optimum Sho-Me Technologies, LLC Socket Telecom, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON	State	4 above 50/10 below 100/20 6 above 200/50 3 above 200/50 3 above 200/50 5 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 6 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50
Clinton County Cole County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte Co-Mo Connect Consolidated Communications, Fidium MCC Missouri LLC Optimum Sho-Me Technologies, LLC Socket Telecom, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION	State	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50
Clinton County Cole County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte Co-Mo Connect Consolidated Communications, Fidium MCC Missouri LLC Optimum Sho-Me Technologies, LLC Socket Telecom, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC	State	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 6 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50 6 above 200/50
Clinton County Cole County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte Co-Mo Connect Consolidated Communications, Fidium MCC Missouri LLC Optimum Sho-Me Technologies, LLC Socket Telecom, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC	State	4 above 50/10 below 100/20 6 above 200/50 3 above 200/50 3 above 200/50 5 above 200/50 5 above 100/20 below 200/50 6 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50
Clinton County Cole County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte Co-Mo Connect Consolidated Communications, Fidium MCC Missouri LLC Optimum Sho-Me Technologies, LLC Socket Telecom, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC	Solution County 300002 Fiber 470022 Fiber 130235 Fiber 130560 Fiber 340036 Fixed Wireless 130804 Cable Modem 190236 Fixed Wireless 130403 Fixed Wireless 130403 Fixed Wireless 130427 Fiber 150327 Fiber 131425 Fixed Wireless 430176 Fixed Wireless 430176 Fiber 300002 Fiber 470022 Fiber 340012 Fiber 280017 Fiber 280017 Fiber 130335 DSL 130804 Cable Modem 130370 Cable Modem 330067 Fiber 150316 Fiber 150316 Fiber 130403 Fixed Wireless 131425 Fixed Wireless 430176 Fixed Wireless 430176 Fixed Wireless Cooper County 130077 DSL 300002 Fiber	4 above 50/10 below 100/20 6 above 200/50 3 above 200/50 3 above 200/50 5 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 6 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50
Clinton County Cole County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte Co-Mo Connect Consolidated Communications, Fidium MCC Missouri LLC Optimum Sho-Me Technologies, LLC Socket Telecom, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC	State	4 above 50/10 below 100/20 6 above 200/50 3 above 200/50 3 above 200/50 5 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 6 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50
Clinton County Cole County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte Co-Mo Connect Consolidated Communications, Fidium MCC Missouri LLC Optimum Sho-Me Technologies, LLC Socket Telecom, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Sorket Telecom, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed	Solution County 300002 Fiber 470022 Fiber 130235 Fiber 130560 Fiber 340036 Fixed Wireless 130804 Cable Modem 190236 Fixed Wireless 130403 Fixed Wireless 130403 Fixed Wireless 130427 Fiber 150327 Fiber 131425 Fixed Wireless 430176 Fixed Wireless 430176 Fiber 300002 Fiber 470022 Fiber 340012 Fiber 280017 Fiber 280017 Fiber 130335 DSL 130804 Cable Modem 130370 Cable Modem 330067 Fiber 150316 Fiber 150316 Fiber 130403 Fixed Wireless 131425 Fixed Wireless 430176 Fixed Wireless 430176 Fixed Wireless Cooper County 130077 DSL 300002 Fiber	4 above 50/10 below 100/20 6 above 200/50 3 above 200/50 3 above 200/50 5 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 6 above 200/50 6 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50
Clinton County Cole County Cooper County Cooper County Cooper County Cooper County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte Co-Mo Connect Consolidated Communications, Fidium MCC Missouri LLC Optimum Sho-Me Technologies, LLC Socket Telecom, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Co-Mo Connect	Summary	4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 3 above 200/50 5 above 200/50 5 above 100/20 below 200/50 6 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50 6 above 200/50
Clinton County Cole County Cooper County Cooper County Cooper County Cooper County Cooper County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte Co-Mo Connect Consolidated Communications, Fidium MCC Missouri LLC Optimum Sho-Me Technologies, LLC Socket Telecom, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Co-Mo Connect	Solution County 300002 Fiber 470022 Fiber 130235 Fiber 130560 Fiber 340036 Fixed Wireless 130804 Cable Modem 190236 Fixed Wireless 130403 Fixed Wireless 130403 Fixed Wireless 130404 Fiber 150327 Fiber 131425 Fixed Wireless 430176 Fixed Wireless 430176 Fixed Wireless Fiber 1300002 Fiber 1300002 Fiber 1300002 Fiber 130335 DSL 130804 Cable Modem 130370 Cable Modem 130370 Cable Modem 130403 Fixed Wireless 131405 Fixed Wireless 131425 Fixed Wireless 130370 Fixed Wireless 1300002 Fiber 1300002 Fiber 1300002 Fiber 1300002 Fiber 130370 Cable Modem 13	4 above 50/10 below 100/20 6 above 200/50 3 above 200/50 3 above 200/50 5 above 200/50 5 above 100/20 below 200/50 6 above 200/50 7 above 100/20 below 200/50 8 above 25/3 below 50/10 9 above 25/3 below 50/10 9 above 200/50 8 above 25/3 below 50/10
Clinton County Cole County Cooper County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte Co-Mo Connect Consolidated Communications, Fidium MCC Missouri LLC Optimum Sho-Me Technologies, LLC Socket Telecom, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Co-Mo Connect Co-Mo Connect Co-Mo Connect Optimum Otelco Mid-Missouri LLC	Solution County 300002 Fiber 470022 Fiber 130235 Fiber 130560 Fiber 340036 Fixed Wireless 130804 Cable Modem 190236 Fixed Wireless 130403 Fixed Wireless 130403 Fixed Wireless 130427 Fiber 150327 Fiber 150327 Fiber 131425 Fixed Wireless 430176 Fixed Wireless 430176 Fiber 300002 Fiber 470022 Fiber 130335 DSL 130804 Cable Modem 130370 Cable Modem 130370 Cable Modem 130403 Fixed Wireless 131425 Fixed Wireless 430176 Fixed Wireless Cooper County 130077 DSL 300002 Fiber 470022 DSL 280017 Fiber 130370 Cable Modem 131378 Fiber	4 above 50/10 below 100/20 6 above 200/50 3 above 200/50 3 above 200/50 5 above 200/50 5 above 100/20 below 200/50 6 above 200/50 6 above 200/50 6 above 200/50 6 above 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 25/3 below 50/10 6 above 200/50 7 above 50/10 below 50/10 8 above 25/3 below 50/10
Clinton County Cole County Cooper County Cooper County Cooper County Cooper County Cooper County	Bluebird Network LLC Brightspeed Charter Communications Inc Grand River Mutual Telephone Corporation Intercept Wireless; Intercept Fiber MCC Missouri LLC Mercury Broadband T-Mobile US UPN United Fiber VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Callabyte Co-Mo Connect Consolidated Communications, Fidium MCC Missouri LLC Optimum Sho-Me Technologies, LLC Socket Telecom, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Co-Mo Connect	Solution County 300002 Fiber 470022 Fiber 130235 Fiber 130560 Fiber 340036 Fixed Wireless 130804 Cable Modem 190236 Fixed Wireless 130403 Fixed Wireless 130403 Fixed Wireless 130404 Fiber 150327 Fiber 131425 Fixed Wireless 430176 Fixed Wireless 430176 Fixed Wireless Fiber 1300002 Fiber 1300002 Fiber 1300002 Fiber 130335 DSL 130804 Cable Modem 130370 Cable Modem 130370 Cable Modem 130403 Fixed Wireless 131405 Fixed Wireless 131425 Fixed Wireless 130370 Fixed Wireless 1300002 Fiber 1300002 Fiber 1300002 Fiber 1300002 Fiber 130370 Cable Modem 13	4 above 50/10 below 100/20 6 above 200/50 3 above 200/50 3 above 200/50 5 above 200/50 5 above 100/20 below 200/50 6 above 200/50 7 above 100/20 below 200/50 8 above 25/3 below 50/10 9 above 25/3 below 50/10 9 above 200/50 8 above 25/3 below 50/10

Cooper County	UNITED STATES CELLULAR CORPORATION	131310	Fixed Wireless	3 above 25/3 below 50/10
Cooper County	UPN	350042	Fiber	6 above 200/50
Cooper County	VERIZON	131425	Fixed Wireless	4 above 50/10 below 100/20
Cooper County	Wisper ISP, LLC	430176	Fixed Wireless	3 above 25/3 below 50/10
, , , , , , , , ,		Crawford County		
Crawford County	BlueBit Networks	•	Fixed Wireless	4 above 50/10 below 100/20
Crawford County	Brightspeed	470022		6 above 200/50
Crawford County	Charter Communications Inc	130235		6 above 200/50
Crawford County	Fidelity		Cable Modem	5 above 100/20 below 200/50
Crawford County	Sho-Me Technologies, LLC	330067		6 above 200/50
Crawford County	Steelville Telephone Exchange, Inc.	131260		6 above 200/50
Crawford County	T-Mobile US		Fixed Wireless	5 above 100/20 below 200/50
Crawford County	VERIZON		Fixed Wireless	3 above 25/3 below 50/10
Crawford County	Wisper ISP, LLC		Fixed Wireless	5 above 100/20 below 200/50
Clawlold County	Wisper ISP, LLC		rixeu Wileless	3 above 100/20 below 200/30
Dada Carreti	A T.O. T. I	Dade County	DOL	2 above 10/1 below 25/3
Dade County	AT&T Inc	130077		
Dade County	Brightspeed	470022		4 above 50/10 below 100/20
Dade County	MCC Missouri LLC		Cable Modem	6 above 200/50
Dade County	Miller Telephone Company	131303		5 above 100/20 below 200/50
Dade County	SpringNet	190431		6 above 200/50
Dade County	T-Mobile US		Fixed Wireless	5 above 100/20 below 200/50
Dade County	UNITED STATES CELLULAR CORPORATION		Fixed Wireless	3 above 25/3 below 50/10
Dade County	VERIZON		Fixed Wireless	3 above 25/3 below 50/10
Dade County	Windstream Missouri, Inc.		Fixed Wireless	4 above 50/10 below 100/20
Dade County	Wisper ISP, LLC	430176	Fixed Wireless	5 above 100/20 below 200/50
		Dallas County		
Dallas County	AT&T Inc	130077		2 above 10/1 below 25/3
Dallas County	Brightspeed	470022		4 above 50/10 below 100/20
Dallas County	Fidelity	130183	Fiber	6 above 200/50
Dallas County	OREGON TELEPHONE CORPORATION	130986	DSL	1 below 10/1
Dallas County	T-Mobile US	130403	Fixed Wireless	5 above 100/20 below 200/50
Dallas County	Total HighSpeed Internet Solutions	260056	Fiber	6 above 200/50
Dallas County	UNITED STATES CELLULAR CORPORATION	131310	Fixed Wireless	3 above 25/3 below 50/10
Dallas County	VERIZON	131425	Fixed Wireless	3 above 25/3 below 50/10
Dallas County	Windstream Missouri, Inc.		Fixed Wireless	3 above 25/3 below 50/10
Dallas County	Wisper ISP, LLC		Fixed Wireless	5 above 100/20 below 200/50
,	,	Daviess County		
Daviess County	Bluebird Network LLC	300002	Fiber	6 above 200/50
Daviess County	Brightspeed	470022	DSL	2 above 10/1 below 25/3
Daviess County	Grand River Mutual Telephone Corporation	130560		6 above 200/50
Daviess County	Green Hills Technologies	130263		6 above 200/50
Daviess County	Mercury Broadband		Fixed Wireless	5 above 100/20 below 200/50
Daviess County	Mid-States Services, LLC	130829		6 above 200/50
Daviess County	T-Mobile US		Fixed Wireless	5 above 100/20 below 200/50
Daviess County	United Fiber	150327		6 above 200/50
Daviess County	VERIZON		Fixed Wireless	3 above 25/3 below 50/10
Daviess County	Windstream Missouri, Inc.		Fixed Wireless	4 above 50/10 below 100/20
Daviess county	viildottodiii iviiosodii, iiio.	DeKalb County	TIXCU TVIICICOS	4 05000 00/10 50/00 100/20
DeKalb County	Bluebird Network LLC	300002	Fiber	6 above 200/50
DeKalb County	Brightspeed	470022		4 above 50/10 below 100/20
DeKalb County	MCC Missouri LLC		Cable Modem	6 above 200/50
DeKalb County	Mercury Broadband		Fixed Wireless	5 above 100/20 below 200/50
DeKalb County	T-Mobile US		Fixed Wireless	5 above 100/20 below 200/50
DeKalb County	United Fiber	150327		6 above 200/50
DeKalb County	VERIZON		Fixed Wireless	3 above 25/3 below 50/10
DeKalb County	Windstream Missouri, Inc.		Fixed Wireless	3 above 25/3 below 50/10
Dervaid County	Willasticam Wissoutt, Inc.	Dent County	I IXEU WIIEIESS	3 above 25/5 below 50/10
Dent County	Brightspeed	470022	Fiber	4 above 50/10 below 100/20
Dent County	Fidelity		Cable Modem	5 above 100/20 below 200/50
Dent County	Steelville Telephone Exchange, Inc.	131260		6 above 200/50
Dent County	T-Mobile US		Fixed Wireless	1 below 10/1
Dent County	UNITED STATES CELLULAR CORPORATION		Fixed Wireless	3 above 25/3 below 50/10
Dent County	Wisper ISP, LLC		Fixed Wireless	5 above 100/20 below 200/50
Don't County	Wiopor IOI , LLO	Douglas County	I IVOR AAIICICSS	above 100/20 below 200/30
Douglas County	Brightspeed	470022	DSI	4 above 50/10 below 100/20
Douglas County	MCC Missouri LLC		Cable Modem	6 above 200/50
Douglas County Douglas County	Sho-Me Technologies, LLC	330067		6 above 200/50
Douglas County Douglas County	T-Mobile US		Fixed Wireless	1 below 10/1
Douglas County	UNITED STATES CELLULAR CORPORATION		Fixed Wireless	3 above 25/3 below 50/10
Douglas County	VERIZON		Fixed Wireless Fixed Wireless	3 above 25/3 below 50/10 5 above 100/20 below 200/50
Douglas County	Wisper ISP, LLC	430176 Dunklin County	i ixeu vvireiess	3 above 100/20 below 200/50
Dunklin County	AT&T Inc	130077	DSI	2 above 10/1 below 25/3
Dunklin County	FDF Communications	130477		6 above 200/50
•				6 above 200/50
Dunklin County	Kennett City Light Gas and Water	430203		
Dunklin County	MCEC Fiber	430052		
Dunklin County	PD Fiber, LLC	390085		6 above 200/50
Dunklin County	Ritter Communications		Cable Modem	6 above 200/50
Dunklin County	Sparklight		Cable Modem	6 above 200/50
Dunklin County	T-Mobile US		Fixed Wireless	1 below 10/1
Dunklin County	VERIZON		Fixed Wireless	3 above 25/3 below 50/10
Dunklin County	empower, delivered by CECC	410153	riber	6 above 200/50

		Franklin County		
Franklin County	AT&T Inc	130077	DSL	5 above 100/20 below 200
Franklin County	BlueBit Networks	350017	Fixed Wireless	4 above 50/10 below 100/2
ranklin County	Bluebird Network LLC	300002		6 above 200/50
Franklin County	Brightspeed	470022		1 below 10/1
ranklin County	Charter Communications Inc	130235		6 above 200/50
ranklin County		130183		6 above 200/50
,	Fidelity			
Franklin County	Fidelity Telephone LLC	130183		6 above 200/50
ranklin County	Gateway Fiber	420048		6 above 200/50
ranklin County	Sho-Me Technologies, LLC	330067	Fiber	6 above 200/50
ranklin County	T-Mobile US	130403	Fixed Wireless	5 above 100/20 below 200
ranklin County	UPN	350042	Fiber	6 above 200/50
ranklin County	VERIZON	131425	Fixed Wireless	4 above 50/10 below 100/2
Franklin County	Wisper ISP, LLC	430176	DSL	2 above 10/1 below 25/3
		Gasconade County		
Sasconade County	AT&T Inc	130077	DSI	2 above 10/1 below 25/3
Sasconade County	Brightspeed	470022		5 above 100/20 below 200
Gasconade County	Callabyte	340012		6 above 200/50
•	•			
Sasconade County	Fidelity	130183		6 above 200/50
Sasconade County	Fidelity Telephone LLC	130183	Fiber	6 above 200/50
Sasconade County	MCC Missouri LLC	130804	Cable Modem	6 above 200/50
Sasconade County	Socket Telecom, LLC	150316	Fiber	6 above 200/50
Sasconade County	T-Mobile US	130403	Fixed Wireless	5 above 100/20 below 200
Sasconade County	UNITED STATES CELLULAR CORPORATION		Fixed Wireless	3 above 25/3 below 50/10
Sasconade County	VERIZON		Fixed Wireless	3 above 25/3 below 50/10
asconaue County	V LINIZUIN		I IVER ANUEIG22	above 25/3 Delow 50/10
Contra Country	ATOT Inc	Gentry County	DCI	2 above 40/4 bulletin 05/0
Sentry County	AT&T Inc	130077		2 above 10/1 below 25/3
Sentry County	Bluebird Network LLC	300002		6 above 200/50
Sentry County	Brightspeed	470022	DSL	3 above 25/3 below 50/10
Gentry County	Grand River Mutual Telephone Corporation	130560	Fiber	6 above 200/50
Sentry County	MCC Missouri LLC	130804	Cable Modem	6 above 200/50
Gentry County	Mercury Broadband	190236	Fixed Wireless	5 above 100/20 below 200
Sentry County	T-Mobile US		Fixed Wireless	5 above 100/20 below 200
Sentry County	United Fiber	150327		6 above 200/50
			Fixed Wireless	4 above 50/10 below 100/3
Gentry County	Windstream Missouri, Inc.		rixed villeless	4 above 50/10 below 100/.
		Greene County		
Greene County	AT&T Inc	130077		6 above 200/50
Greene County	Bluebird Network LLC	300002	Fiber	6 above 200/50
Greene County	Cable America	130183	Cable Modem	6 above 200/50
Greene County	Choctaw Telephone Company	131362	DSL	4 above 50/10 below 100/2
Greene County	Consolidated Communications, Fidium	130335	DSL	6 above 200/50
Greene County	K-PowerNet LLC	460048	Fiber	6 above 200/50
Greene County	MCC Missouri LLC		Cable Modem	6 above 200/50
Greene County	MISSOURI TELECOM	240060		6 above 200/50
•		360128		6 above 200/50
Greene County	Net Vision Communications			
Greene County	Optimum		Cable Modem	5 above 100/20 below 200
Greene County	Rayfield Communications	280047		4 above 50/10 below 100/3
Greene County	Sho-Me Technologies, LLC	330067	Fiber	6 above 200/50
Greene County	SpringNet	190431	Fiber	6 above 200/50
Greene County	T-Mobile US	130403	Fixed Wireless	5 above 100/20 below 200
Greene County	TPx Communications	131386	DSI	4 above 50/10 below 100/
Greene County	Total HighSpeed Internet Solutions	260056		6 above 200/50
Greene County	UNITED STATES CELLULAR CORPORATION		Fixed Wireless	3 above 25/3 below 50/10
Greene County	VERIZON		Fixed Wireless	3 above 25/3 below 50/10
Greene County	WON Communications LLC		Fixed Wireless	6 above 200/50
Greene County	Windstream Missouri, Inc.	131413	DSL	4 above 50/10 below 100/
Greene County	Wisper ISP, LLC	430176	Fixed Wireless	5 above 100/20 below 200
		Grundy County		
Grundy County	AT&T Inc	130077	DSL	2 above 10/1 below 25/3
Frundy County	Bluebird Network LLC	300002		6 above 200/50
Grundy County	Grand River Mutual Telephone Corporation	130560		6 above 200/50
	·			6 above 200/50
Grundy County	Mid-States Services, LLC Optimum	130829		
Grundy County			Cable Modem	3 above 25/3 below 50/10
Grundy County	T-Mobile US		Fixed Wireless	5 above 100/20 below 200
Grundy County	VERIZON		Fixed Wireless	3 above 25/3 below 50/10
	:= : :	Harrison County		
larrison County	Grand River Mutual Telephone Corporation	130560		6 above 200/50
larrison County	MCC Missouri LLC	130804	Cable Modem	6 above 200/50
larrison County	T-Mobile US	130403	Fixed Wireless	5 above 100/20 below 200
larrison County	VERIZON	131425	Fixed Wireless	3 above 25/3 below 50/10
larrison County	Windstream Missouri, Inc.		Fixed Wireless	4 above 50/10 below 100/2
		Henry County		
lenry County	Bluebird Network LLC	300002	Fiber	6 above 200/50
lenry County	Brightspeed	470022		4 above 50/10 below 100/
				6 above 200/50
lenry County	Charter Communications Inc	130235		
lenry County	Consolidated Communications	130335		4 above 50/10 below 100/
lenry County	K-PowerNet LLC	460048		6 above 200/50
lenry County	Liberty Link	390159	Fixed Wireless	5 above 100/20 below 200
lenry County	Sho-Me Technologies, LLC	330067		6 above 200/50
	Socket Telecom, LLC	150316		6 above 200/50
enry County	COOKET TOTALONIII, LLO			
	T Mobile LIS	400400		
lenry County	T-Mobile US		Fixed Wireless	
Henry County Henry County	UPN	350042	Fiber	5 above 100/20 below 200 6 above 200/50
Henry County Henry County Henry County Henry County Henry County Henry County		350042 131425		

Hielean Caunty		ckory County	4 ahaya 50/40 halayy 400/20
Hickory County	Brightspeed	470022 DSL	4 above 50/10 below 100/20
Hickory County	Fastwyre Broadband	131226 Cable Modem	2 above 10/1 below 25/3
Hickory County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Hickory County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Hickory County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
Halt Carrater		Holt County	6 above 200/50
Holt County	Bluebird Network LLC	300002 Fiber 470022 Fiber	
Holt County	Brightspeed		4 above 50/10 below 100/20
Holt County	Fastwyre Broadband	131226 DSL	3 above 25/3 below 50/10
Holt County	Mercury Broadband	190236 Fixed Wireless 131126 Fiber	5 above 100/20 below 200/50 6 above 200/50
Holt County	Midwest Data Center		
Holt County	Oregon Farmers Mutual Telephone Company	131362 Fiber	5 above 100/20 below 200/50 5 above 100/20 below 200/50
Holt County	T-Mobile US	130403 Fixed Wireless	
Holt County	United Fiber	150327 Fiber	6 above 200/50
Harris and Occupation	AT&T Inc	ward County	2 above 10/1 below 25/3
Howard County		130077 DSL	
Howard County	Air Link Rural Broadband, LLC	280004 Fiber	6 above 200/50
Howard County	Bluebird Network LLC	300002 Fiber	6 above 200/50
Howard County	Brightspeed	470022 DSL	4 above 50/10 below 100/20
Howard County	Chariton Valley Telephone Corporation	130234 Fiber	6 above 200/50
Howard County	Socket Telecom, LLC	150316 Fiber	6 above 200/50
Howard County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Howard County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Howard County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Howard County	iZones	460045 Fixed Wireless	4 above 50/10 below 100/20
		owell County	
Howell County	Bluebird Network LLC	300002 Fiber	6 above 200/50
Howell County	Brightspeed	470022 Fiber	4 above 50/10 below 100/20
Howell County	Current High Speed	420029 Fiber	6 above 200/50
Howell County	Fidelity	130183 Fiber	6 above 200/50
Howell County	LTD Broadband	240056 Fiber	6 above 200/50
Howell County	NEXT, Powered by NAEC, LLC	380089 Fiber	6 above 200/50
Howell County	Peace Valley Telephone	131019 Fixed Wireless	3 above 25/3 below 50/10
Howell County	Sho-Me Technologies, LLC	330067 Fiber	6 above 200/50
Howell County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Howell County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Howell County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Howell County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
	1	ron County	
Iron County	AT&T Inc	130077 DSL	1 below 10/1
Iron County	Brightspeed	470022 Fiber	4 above 50/10 below 100/20
Iron County	Charter Communications Inc	130235 Fiber	5 above 100/20 below 200/50
Iron County	Steelville Telephone Exchange, Inc.	131260 Fiber	6 above 200/50
Iron County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Iron County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	2 above 10/1 below 25/3
Iron County	Windstream Missouri, Inc.	131413 DSL	2 above 10/1 below 25/3
		ckson County	
Jackson County	APX Net	320008 Fiber	4 above 50/10 below 100/20
Jackson County	AT&T Inc	130077 Fiber	6 above 200/50
Jackson County	Bluebird Network LLC	300002 Fiber	6 above 200/50
Jackson County	Brightspeed	470022 Fiber	6 above 200/50
Jackson County	Charter Communications Inc	130235 Fiber	6 above 200/50
Jackson County	Consolidated Communications, Fidium	130335 DSL	6 above 200/50
Jackson County	Everfast Fiber	470028 Fiber	6 above 200/50
Jackson County	Fusion Cloud Services, Inc.	360117 DSL	1 below 10/1
Jackson County	Google Fiber	240041 Fiber	6 above 200/50
Jackson County	NetFortris	300103 Fiber	6 above 200/50
Jackson County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Jackson County	TPx Communications	131386 DSL	4 above 50/10 below 100/20
Jackson County	UPN	350042 Fiber	6 above 200/50
Jackson County	VERIZON	131425 Fixed Wireless	6 above 200/50
Jackson County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
Jackson County	Xfinity	130317 Cable Modem	6 above 200/50
Jackson County	Xiber, LLC	380177 Fiber	6 above 200/50
Jackson County	ZAYO GROUP, LLC	130982 Fiber	6 above 200/50
115.00 County		sper County	0 00000
Jasper County	AT&T Inc	130077 DSL	2 above 10/1 below 25/3
Jasper County	Aire Internet	370009 Fixed Wireless	4 above 50/10 below 100/20
Jasper County	Bluebird Network LLC	300002 Fiber	6 above 200/50
Jasper County	Brightspeed	470022 DSL	3 above 25/3 below 50/10
Jasper County	Carthage Water and Electric Plant	460100 Fiber	6 above 200/50
Jasper County	Craw Kan Telephone Cooperative Inc	130364 Fiber	6 above 200/50
Jasper County	GTC Broadband Inc	130558 Fiber	6 above 200/50
		130558 Fiber	6 above 200/50
Jasper County	Granby Telephone Company		
Jasper County	MCC Missouri LLC	130804 Cable Modem	6 above 200/50
Jasper County	Optimum Pisa Broadband	130370 Cable Modem	3 above 25/3 below 50/10
Jasper County	Rise Broadband	140048 Fixed Wireless	3 above 25/3 below 50/10
Jasper County	Sparklight	130183 Cable Modem	6 above 200/50
Jasper County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Jasper County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Jasper County	UPN	350042 Fiber	6 above 200/50
Jasper County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10

Jasper County	Wisper ISP, LLC	430176	Fixed Wireless	5 above 100/20 below 200/
Juopor County		Jefferson County	. mod vinoloco	
Jefferson County	AT&T Inc	130077	Fiber	6 above 200/50
Jefferson County	Charter Communications Inc	130235		6 above 200/50
Jefferson County	Lightwave Communications llc	390065		6 above 200/50
	T-Mobile US		Fixed Wireless	5 above 100/20 below 200/5
lefferson County				
lefferson County	VERIZON		Fixed Wireless	4 above 50/10 below 100/2
lefferson County	Wisper ISP, LLC		Fixed Wireless	5 above 100/20 below 200/
Jahanaa Causahi	ATOTINA	Johnson County	DCI	2 ahaya 10/4 halay 25/2
lohnson County	AT&T Inc	130077		2 above 10/1 below 25/3
ohnson County	Bluebird Network LLC	300002		6 above 200/50
lohnson County	Brightspeed	470022	Fiber	6 above 200/50
Johnson County	Charter Communications Inc	130235	Fiber	6 above 200/50
Johnson County	Consolidated Communications	130335	DSL	4 above 50/10 below 100/2
lohnson County	GoNetSpeed: Otelco: I-Land Internet		Fixed Wireless	3 above 25/3 below 50/10
•	•			
lohnson County	Liberty Link	390159		6 above 200/50
Johnson County	Socket Telecom, LLC	150316		6 above 200/50
lohnson County	T-Mobile US	130403	Fixed Wireless	5 above 100/20 below 200/
ohnson County	UPN	350042	Fiber	6 above 200/50
Johnson County	VERIZON	131425	Fixed Wireless	3 above 25/3 below 50/10
lohnson County	Wisper ISP, LLC		Fixed Wireless	5 above 100/20 below 200/
omicon county	110001101 , 220	Knox County	1 1/10 d 11/11 01000	aporto 100/20 polon 200/
(nox County	AT&T Inc	130077	DSL	1 below 10/1
Knox County	Brightspeed	470022		1 below 10/1
(nox County	Mark Twain Communications Company	130781		6 above 200/50
Knox County	Mark Twain Rural Telephone Company	130781		6 above 200/50
(nox County	Northeast Missouri Rural Telecommunications	130940		6 above 200/50
(nox County	T-Mobile US		Fixed Wireless	3 above 25/3 below 50/10
(nox County	UNITED STATES CELLULAR CORPORATION		Fixed Wireless	3 above 25/3 below 50/10
		Laclede County		
aclede County	Brightspeed	470022	Fiber	6 above 200/50
aclede County	Cable America	130183	Cable Modem	6 above 200/50
aclede County	OREGON TELEPHONE CORPORATION	130986	Fiber	6 above 200/50
aclede County	Sho-Me Technologies, LLC	330067		6 above 200/50
•				
aclede County	T-Mobile US		Fixed Wireless	5 above 100/20 below 200/
aclede County	UNITED STATES CELLULAR CORPORATION		Fixed Wireless	3 above 25/3 below 50/10
aclede County	VERIZON	131425	Fixed Wireless	3 above 25/3 below 50/10
aclede County	Wisper ISP, LLC	430176	Fixed Wireless	5 above 100/20 below 200/
		Lafayette County		
afayette County	Alma Telephone Company	130043	Fiber	4 above 50/10 below 100/2
_afayette County	Bluebird Network LLC	300002	Fiber	6 above 200/50
	Brightspeed	470022		4 above 50/10 below 100/2
afayette County	• .			
_afayette County	Charter Communications Inc	130235		6 above 200/50
_afayette County	Citizens Telephone Company of Higginsville Missouri	130263	Fiber	6 above 200/50
_afayette County	Optimum	130370	Cable Modem	5 above 100/20 below 200/
_afayette County	Socket Telecom, LLC	150316	Fiber	6 above 200/50
_afayette County	T-Mobile US		Fixed Wireless	5 above 100/20 below 200/
_afayette County	TurboNet	410151		5 above 100/20 below 200/
afayette County	VERIZON	131425	Fixed Wireless	4 above 50/10 below 100/2
afayette County	Winner ICD II C			
Larayette County	Wisper ISP, LLC	430176	Fixed Wireless	
	Xfinity	430176 130317	Fixed Wireless Cable Modem	
afayette County	Xfinity	430176 130317 Lawrence County	Cable Modem	5 above 100/20 below 200/
_afayette County	Xfinity	430176 130317 Lawrence County 130077	Cable Modem DSL	
afayette County	Xfinity	430176 130317 Lawrence County 130077	Cable Modem	5 above 100/20 below 200/ 2 above 10/1 below 25/3
afayette County awrence County awrence County	Xfinity AT&T Inc Aire Internet	430176 130317 Lawrence County 130077 370009	Cable Modem DSL Fixed Wireless	5 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2
.afayette County .awrence County .awrence County .awrence County	Xfinity AT&T Inc Aire Internet Brightspeed	430176 130317 Lawrence County 130077 370009 470022	Cable Modem DSL Fixed Wireless DSL	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2
Lawrence County Lawrence County Lawrence County Lawrence County Lawrence County	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company	430176 130317 Lawrence County 130077 370009 470022 131362	Cable Modem DSL Fixed Wireless DSL Fiber	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/
.afayette County .awrence County .awrence County .awrence County .awrence County	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium	430176 130317 Lawrence County 130077 370009 470022 131362 130335	Cable Modem DSL Fixed Wireless DSL Fiber DSL	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2
.afayette County .awrence County .awrence County .awrence County .awrence County .awrence County .awrence County	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50
advence County awrence County	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50
advence County awrence County	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50
.awrence County	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 6 above 200/50
.awrence County	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 131303	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Fiber Fiber	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 6 above 200/50 5 above 100/20 below 200/50 8 above 100/20 below 200/50
.awrence County	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 131303 130370	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Fiber Cable Modem	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 5 above 100/20 below 200/ 5 above 100/20 below 200/ 5 above 100/20 below 200/
advence County awrence County	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 131303 130370 130403	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Fiber Cable Modem Fixed Wireless	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 5 above 100/20 below 200/
adayette County awrence County	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US Total HighSpeed Internet Solutions	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 131303 130370 130403 260056	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fixed Wireless Fixed Fixed Wireless Fixed Fixed Wireless	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 5 above 100/20 below 200/ 5 above 100/20 below 200/ 5 above 100/20 below 200/ 6 above 200/50 6 above 200/50 7 above 100/20 below 200/ 8 above 200/50 8 above 200/50 8 above 200/50
.awrence County	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US Total HighSpeed Internet Solutions UNITED STATES CELLULAR CORPORATION	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 131303 130370 130403 260056 131310	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fixed Wireless Fixed Wireless	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 5 above 100/20 below 200/ 5 above 100/20 below 200/ 5 above 100/20 below 200/ 6 above 200/50 3 above 200/50 3 above 200/50 4 above 200/50 5 above 100/20 below 200/ 5 above 200/50 6 above 200/50 3 above 25/3 below 50/10
advence County awrence County	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US Total HighSpeed Internet Solutions UNITED STATES CELLULAR CORPORATION VERIZON	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 1313033 130370 130403 260056 1313101	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fiber Fixed Wireless Fixed Wireless Fixed Wireless	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 5 above 200/50 5 above 100/20 below 200/ 6 above 200/50 3 above 200/50 3 above 25/3 below 50/10 3 above 25/3 below 50/10
Ladyette County Lawrence County	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US Total HighSpeed Internet Solutions UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc.	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 131303 130370 130403 260056 131310 131425 131413	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fixed Wireless Fixed Wireless DSL	4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 5 above 100/20 below 200/ 5 above 100/20 below 200/ 5 above 100/20 below 200/ 6 above 200/50 3 above 200/50 3 above 25/3 below 50/10 3 above 200/50 6 above 200/50
Ladyette County Lawrence County	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US Total HighSpeed Internet Solutions UNITED STATES CELLULAR CORPORATION VERIZON	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 131303 130370 130403 260056 131310 131425 131413	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fiber Fixed Wireless Fixed Wireless Fixed Wireless	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 5 above 200/50 5 above 100/20 below 200/ 5 above 100/20 below 200/ 5 above 100/20 below 200/ 6 above 200/50 3 above 200/50 3 above 25/3 below 50/10 3 above 25/3 below 50/10
adayette County awrence County	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US Total HighSpeed Internet Solutions UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc.	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 131303 130370 130403 260056 131310 131425 131413	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fixed Wireless Fixed Wireless DSL	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 5 above 100/20 below 200/ 5 above 100/20 below 200/ 5 above 100/20 below 200/ 6 above 200/50 3 above 200/50 4 above 200/50 5 above 100/20 below 200/ 6 above 200/50 3 above 25/3 below 50/10 3 above 25/3 below 50/10 6 above 200/50
adayette County awrence County	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US Total HighSpeed Internet Solutions UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc.	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 131303 130370 130403 260056 131310 131425 131413 430176	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fixed Wireless Fixed Wireless DSL Fixed Wireless	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 5 above 100/20 below 200/ 5 above 100/20 below 200/ 5 above 100/20 below 200/ 6 above 200/50 3 above 200/50 4 above 200/50 5 above 100/20 below 200/ 6 above 200/50 3 above 25/3 below 50/10 3 above 25/3 below 50/10 6 above 200/50
adayette County awrence County	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US Total HighSpeed Internet Solutions UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Wisper ISP, LLC Bluebird Network LLC	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 1313033 130370 130403 260056 131310 131425 131413 430176 Lewis County	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 5 above 100/20 below 200/ 5 above 100/20 below 200/ 5 above 100/20 below 200/ 6 above 200/50 3 above 25/3 below 50/10 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 6 above 200/50 6 above 200/50
advence County awrence County	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US Total HighSpeed Internet Solutions UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Wisper ISP, LLC Bluebird Network LLC Brightspeed	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 131303 13037 130403 260056 131310 1314125 131413 430176 Lewis County	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fixed Wireless Fixed Wireless DSL Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 5 above 100/20 below 200/ 5 above 100/20 below 200/ 5 above 100/20 below 200/ 6 above 200/50 3 above 200/50 3 above 25/3 below 50/10 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/
adayette County awrence County	AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US Total HighSpeed Internet Solutions UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Wisper ISP, LLC Bluebird Network LLC Brightspeed Mark Twain Communications Company	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 131303 130370 130403 260056 131310 131425 131413 430176 Lewis County	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fixed Fiber Fiber Fiber Fiber Fiber	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 5 above 100/20 below 200/ 5 above 100/20 below 200/ 5 above 100/20 below 200/ 6 above 200/50 3 above 20/50 3 above 25/3 below 50/10 4 above 200/50 5 above 100/20 below 200/ 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 5 above 100/20 below 200/
and a series and a	AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US Total HighSpeed Internet Solutions UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Wisper ISP, LLC Bluebird Network LLC Brightspeed Mark Twain Communications Company Mark Twain Rural Telephone Company	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 131303 130370 130403 260056 131310 131425 131413 430176 Lewis County 300002 470022 130781 130781	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fixed Fixed Wireless	2 above 100/20 below 200/ 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 3 above 25/3 below 50/10 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 6 above 200/50 6 above 50/10 below 200/ 6 above 200/50
adayette County awrence County	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US Total HighSpeed Internet Solutions UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Wisper ISP, LLC Bluebird Network LLC Brightspeed Mark Twain Communications Company Mark Twain Rural Telephone Company T-Mobile US	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 1313033 130370 130403 260056 131310 131425 131413 430176 Lewis County 300002 470022 130781 130781 130781	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless	2 above 100/20 below 200/ 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 5 above 100/20 below 200/ 6 above 200/50 6 above 200/50 5 above 100/20 below 200/ 5 above 100/20 below 200/ 5 above 100/20 below 200/ 6 above 20/50 3 above 25/3 below 50/10 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 4 above 200/50 5 above 100/20 below 200/ 6 above 200/50 5 above 200/50 5 above 200/50 6 above 200/50
adayette County awrence County	AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US Total HighSpeed Internet Solutions UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Wisper ISP, LLC Bluebird Network LLC Brightspeed Mark Twain Communications Company Mark Twain Rural Telephone Company	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 1313033 130370 130403 260056 131310 131425 131413 430176 Lewis County 300002 470022 130781 130781 130781	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fixed Fixed Wireless	2 above 100/20 below 200/ 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 3 above 25/3 below 50/10 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 6 above 200/50 6 above 50/10 below 200/ 6 above 200/50
Ladyette County Lawrence County Lewis County	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US Total HighSpeed Internet Solutions UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Wisper ISP, LLC Bluebird Network LLC Brightspeed Mark Twain Communications Company Mark Twain Rural Telephone Company T-Mobile US	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 1313033 130370 130403 260056 131310 131425 131413 430176 Lewis County 300002 470022 130781 130781 130781	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fiber Fiber Fiber Fiber Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 5 above 100/20 below 200/ 5 above 100/20 below 200/ 5 above 100/20 below 200/ 6 above 200/50 3 above 25/3 below 50/10 3 above 25/3 below 50/10 4 above 200/50 5 above 100/20 below 200/ 6 above 200/50 3 above 25/3 below 50/10 4 above 200/50 5 above 100/20 below 200/ 6 above 200/50 5 above 200/50 4 above 200/50 5 above 200/50 5 above 200/50 6 above 200/50 6 above 200/50 7 above 200/50 8 above 200/50 8 above 200/50 9 above 200/50
adayette County awrence County ewis County	AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US Total HighSpeed Internet Solutions UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Wisper ISP, LLC Bluebird Network LLC Brightspeed Mark Twain Communications Company Mark Twain Rural Telephone Company T-Mobile US UNITED STATES CELLULAR CORPORATION	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 131303 130370 130403 260056 131310 131425 131413 430176 Lewis County 300002 470022 130781 130781 130781 130403 1313040	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fiber Fiber Fiber Fiber Fiber Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 5 above 100/20 below 200/ 5 above 100/20 below 200/ 5 above 100/20 below 200/ 6 above 200/50 3 above 200/50 3 above 25/3 below 50/10 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50
advence County awrence County	AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US Total HighSpeed Internet Solutions UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Wisper ISP, LLC Bluebird Network LLC Brightspeed Mark Twain Communications Company Mark Twain Rural Telephone Company T-Mobile US UNITED STATES CELLULAR CORPORATION	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 131303 130403 260056 131310 131425 131413 430176 Lewis County 300002 470022 130781 130781 130781 130781 130781 130781 330781 330781 330781	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fiber Fiber Fiber Fiber Fiber Fiber Fiber Fiber Fiber Fixed Wireless Fixed Wireless Fiber Fiber Fiber Fiber Fixed Wireless Fixed Wirel	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 5 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 5 above 100/20 below 200/ 5 above 100/20 below 200/ 6 above 200/50 3 above 200/50 4 above 200/50 5 above 100/20 below 200/ 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 6 above 100/20 below 200/ 6 above 200/50
afayette County awrence Count	Xfinity AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US Total HighSpeed Internet Solutions UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Wisper ISP, LLC Bluebird Network LLC Brightspeed Mark Twain Communications Company Mark Twain Communications Company T-Mobile US UNITED STATES CELLULAR CORPORATION yondoo Broadband, LLC AT&T Inc	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 1313033 130370 130403 260056 131310 131425 131413 430176 Lewis County 300002 470022 130781 130781 130783 130793 130403 131310 390157 Lincoln County	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fiber Fixed Wireless	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 5 above 100/20 below 200/ 5 above 100/20 below 200/ 5 above 100/20 below 200/ 6 above 200/50 3 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 5 above 50/10 below 200/ 6 above 50/10 below 200/ 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 5 above 200/50 6 above 200/50 7 above 100/20 below 200/ 8 above 200/50 8 above 200/50 9 above 200/50
Ladyette County Lawrence County Lewis County	AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US Total HighSpeed Internet Solutions UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Wisper ISP, LLC Bluebird Network LLC Brightspeed Mark Twain Communications Company Mark Twain Rural Telephone Company T-Mobile US UNITED STATES CELLULAR CORPORATION yondoo Broadband, LLC AT&T Inc Bluebird Network LLC	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 131303 130370 130403 260056 131310 131425 131413 430176 Lewis County 300002 470022 130781 130781 130781 130781 130403 131310 390157 Lincoln County	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fiber Fiber Fiber Fiber Fiber Fiber Fiber Fiber Fixed Wireless Fixed Wirel	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 5 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 5 above 100/20 below 200/ 5 above 100/20 below 200/ 6 above 200/50 3 above 200/50 3 above 200/50 3 above 200/50 4 above 200/50 5 above 100/20 below 200/ 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 5 above 50/10 below 200/ 6 above 200/50 4 above 50/10 below 100/2 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 6 above 200/50 6 above 200/50 7 above 200/50 8 above 200/50 8 above 200/50 9 above 200/50 9 above 200/50 9 above 200/50 9 above 200/50
analyette County awrence County ewis County ewis County ewis County ewis County ewis County ewis County incoln County incoln County incoln County	AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US Total HighSpeed Internet Solutions UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Wisper ISP, LLC Bluebird Network LLC Brightspeed Mark Twain Communications Company Mark Twain Rural Telephone Company T-Mobile US UNITED STATES CELLULAR CORPORATION yondoo Broadband, LLC AT&T Inc Bluebird Network LLC Brightspeed	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 131303 130370 130403 260056 131310 1314125 131413 430176 Lewis County 300002 470022 130781 130781 130781 130781 130781 1309157 Lincoln County 1300072 470022 470022	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fiber Fiber Fiber Fixed Wireless Fixed Wirel	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 6 above 200/50 6 above 200/50 5 above 100/20 below 200/ 5 above 100/20 below 200/ 5 above 100/20 below 200/ 6 above 200/50 3 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 5 above 200/50 4 above 200/50 5 above 200/50 6 above 200/50 6 above 200/50 6 above 200/50 6 above 200/50 7 above 200/50 8 above 200/50 8 above 200/50 9 above 200/50 10 above 200/50 10 above 200/50 11 above 200/50 12 above 10/1 below 25/3 13 above 200/50 14 above 200/50 15 above 200/50 16 above 200/50
adayette County awrence Count	AT&T Inc Aire Internet Brightspeed Choctaw Telephone Company Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC MISSOURI TELECOM Miller Telephone Company Optimum T-Mobile US Total HighSpeed Internet Solutions UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Wisper ISP, LLC Bluebird Network LLC Brightspeed Mark Twain Communications Company Mark Twain Rural Telephone Company T-Mobile US UNITED STATES CELLULAR CORPORATION yondoo Broadband, LLC AT&T Inc Bluebird Network LLC	430176 130317 Lawrence County 130077 370009 470022 131362 130335 460048 130804 240060 131303 130370 130403 260056 131310 131425 131413 430176 Lewis County 300002 470022 130781 130781 130781 130781 130403 131310 390157 Lincoln County	Cable Modem DSL Fixed Wireless DSL Fiber DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fiber Fiber Fiber Fiber Fiber Fixed Wireless Fixed Wireless Fiber Fiber Fiber Fixed Wireless Fiber Fixed Fiber	2 above 100/20 below 200/ 2 above 10/1 below 25/3 4 above 50/10 below 100/2 5 above 100/20 below 200/ 4 above 50/10 below 100/2 5 above 100/20 below 200/ 6 above 200/50 5 above 100/20 below 200/ 5 above 100/20 below 200/ 5 above 100/20 below 200/ 6 above 200/50 3 above 200/50 3 above 200/50 3 above 200/50 4 above 200/50 5 above 100/20 below 200/ 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 5 above 50/10 below 100/2 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 5 above 100/20 below 200/ 6 above 200/50 5 above 200/50 6 above 200/50 6 above 200/50 7 above 200/50 8 above 200/50 8 above 200/50 9 above 200/50 9 above 200/50 9 above 200/50 9 above 200/50

Lincoln County	Socket Telecom, LLC	150316 Fiber	6 above 200/50
Lincoln County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
•		131425 Fixed Wireless	4 above 50/10 below 100/20
Lincoln County	VERIZON		
Lincoln County	Windstream Missouri, Inc.	131413 Fixed Wireless	4 above 50/10 below 100/20
Lincoln County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
Lincoln County	yondoo Broadband, LLC	390157 Fiber	6 above 200/50
		Linn County	
Linn County	AT&T Inc	130077 DSL	2 above 10/1 below 25/3
Linn County	Bluebird Network LLC	300002 Fiber	6 above 200/50
Linn County	Chariton Valley Communication Corporation	130234 Fiber	6 above 200/50
Linn County	Chariton Valley Telephone Corporation	130234 Fiber	6 above 200/50
Linn County	Grand River Mutual Telephone Corporation	130560 Fiber	6 above 200/50
•		130263 Fiber	
Linn County	Green Hills Technologies		
Linn County	MCC Missouri LLC	130804 Cable Modem	6 above 200/50
Linn County	Northeast Missouri Rural Telecommunications	130940 Fiber	6 above 200/50
Linn County	Optimum	130370 Cable Modem	5 above 100/20 below 200/50
Linn County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Linn County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Linn County	Windstream Missouri, Inc.	131413 Fixed Wireless	4 above 50/10 below 100/20
,	,	Livingston County	
Livingston County	AT&T Inc	130077 DSL	2 above 10/1 below 25/3
Livingston County	Bluebird Network LLC	300002 Fiber	6 above 200/50
Livingston County	Chariton Valley Telephone Corporation	130234 Fiber	6 above 200/50
Livingston County	Grand River Mutual Telephone Corporation	130560 Fiber	6 above 200/50
Livingston County	Green Hills Technologies	130263 Fiber	6 above 200/50
Livingston County	Mid-States Services, LLC	130829 Fiber	6 above 200/50
Livingston County	Optimum	130370 Cable Modem	3 above 25/3 below 50/10
Livingston County	Socket Telecom, LLC	150316 Fiber	6 above 200/50
Livingston County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Livingston County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
,	Zito Media	160157 Cable Modem	5 above 100/20 below 200/50
Livingston County	Zito Media		3 above 100/20 below 200/50
Maran Oranata	Discribing National LLO	Macon County	0 -h 000/F0
Macon County	Bluebird Network LLC	300002 Fiber	6 above 200/50
Macon County	Brightspeed	470022 Fiber	4 above 50/10 below 100/20
Macon County	Chariton Valley Communication Corporation	130234 Fiber	6 above 200/50
Macon County	Chariton Valley Telephone Corporation	130234 Fiber	6 above 200/50
Macon County	Mark Twain Rural Telephone Company	130781 Fiber	5 above 100/20 below 200/50
Macon County	Northeast Missouri Rural Telecommunications	130940 Fiber	6 above 200/50
Macon County	Sparklight	130183 Cable Modem	6 above 200/50
Macon County Macon County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Macon County	UNITED STATES CELLULAR CORPORATION		3 above 25/3 below 50/10
Macon County			
•		131310 Fixed Wireless	
Macon County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10 3 above 25/3 below 50/10
Macon County	VERIZON	131425 Fixed Wireless Madison County	3 above 25/3 below 50/10
Macon County Madison County	VERIZON AT&T Inc	131425 Fixed Wireless Madison County 130077 DSL	3 above 25/3 below 50/10 4 above 50/10 below 100/20
Macon County	VERIZON	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1
Macon County Madison County	VERIZON AT&T Inc	131425 Fixed Wireless Madison County 130077 DSL	3 above 25/3 below 50/10 4 above 50/10 below 100/20
Macon County Madison County Madison County	VERIZON AT&T Inc Big River Communications	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1
Macon County Madison County Madison County Madison County	VERIZON AT&T Inc Big River Communications Brightspeed	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20
Macison County Madison County Madison County Madison County Madison County Madison County	VERIZON AT&T Inc Big River Communications Brightspeed Charter Communications Inc Sho-Me Technologies, LLC	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL 130235 Fiber 330067 Fiber	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50
Macison County Madison County Madison County Madison County Madison County Madison County Madison County	VERIZON AT&T Inc Big River Communications Brightspeed Charter Communications Inc Sho-Me Technologies, LLC T-Mobile US	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL 130235 Fiber 330067 Fiber 130403 Fixed Wireless	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50
Macon County Madison County	VERIZON AT&T Inc Big River Communications Brightspeed Charter Communications Inc Sho-Me Technologies, LLC T-Mobile US Windstream Missouri, Inc.	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL 130235 Fiber 330067 Fiber 130403 Fixed Wireless 131413 DSL	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50 4 above 50/10 below 100/20
Macison County Madison County Madison County Madison County Madison County Madison County Madison County	VERIZON AT&T Inc Big River Communications Brightspeed Charter Communications Inc Sho-Me Technologies, LLC T-Mobile US	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL 130235 Fiber 330067 Fiber 130403 Fixed Wireless 131413 DSL 430176 Fixed Wireless	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50
Macison County Madison County	VERIZON AT&T Inc Big River Communications Brightspeed Charter Communications Inc Sho-Me Technologies, LLC T-Mobile US Windstream Missouri, Inc. Wisper ISP, LLC	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL 130235 Fiber 330067 Fiber 130403 Fixed Wireless 131413 DSL 430176 Fixed Wireless Maries County	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50
Macon County Madison County Madison County Madison County Madison County Madison County Madison County Madison County Madison County Madison County Madison County	VERIZON AT&T Inc Big River Communications Brightspeed Charter Communications Inc Sho-Me Technologies, LLC T-Mobile US Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL 130235 Fiber 330067 Fiber 130403 Fixed Wireless 131413 DSL 430176 Fixed Wireless Maries County 130077 DSL	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 10/1 below 25/3
Macon County Madison County Maries County	VERIZON AT&T Inc Big River Communications Brightspeed Charter Communications Inc Sho-Me Technologies, LLC T-Mobile US Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Brightspeed	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL 130235 Fiber 330067 Fiber 130403 Fixed Wireless 131413 DSL 430176 Fixed Wireless Maries County 130077 DSL 470022 DSL	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 10/10 below 25/3 4 above 50/10 below 100/20
Macon County Madison County Maries County Maries County Maries County Maries County	VERIZON AT&T Inc Big River Communications Brightspeed Charter Communications Inc Sho-Me Technologies, LLC T-Mobile US Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Brightspeed GTECH Fiber LLC	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL 130235 Fiber 330067 Fiber 130403 Fixed Wireless 131413 DSL 430176 Fixed Wireless Maries County 130077 DSL 470022 DSL 450051 Fiber	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 10/10 below 25/3 4 above 50/10 below 100/20 6 above 200/50
Macon County Madison County Madison County Madison County Madison County Madison County Madison County Madison County Madison County Madison County Maries County Maries County Maries County Maries County Maries County	VERIZON AT&T Inc Big River Communications Brightspeed Charter Communications Inc Sho-Me Technologies, LLC T-Mobile US Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Brightspeed GTECH Fiber LLC Sho-Me Technologies, LLC	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL 130235 Fiber 330067 Fiber 130403 Fixed Wireless 131413 DSL 430176 Fixed Wireless Maries County 130077 DSL 470022 DSL 450051 Fiber 330067 Fiber	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 10/1 below 25/3 4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 6 above 200/50
Macon County Madison County Maries County Maries County Maries County Maries County	VERIZON AT&T Inc Big River Communications Brightspeed Charter Communications Inc Sho-Me Technologies, LLC T-Mobile US Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Brightspeed GTECH Fiber LLC Sho-Me Technologies, LLC T-Mobile US	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL 130235 Fiber 330067 Fiber 130403 Fixed Wireless 131413 DSL 430176 Fixed Wireless Maries County 130077 DSL 470022 DSL 450051 Fiber	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 10/10 below 25/3 4 above 50/10 below 100/20 6 above 200/50 6 above 200/50 1 below 10/1
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Macon County Madison County Maries County Marion County	VERIZON AT&T Inc Big River Communications Brightspeed Charter Communications Inc Sho-Me Technologies, LLC T-Mobile US Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Brightspeed GTECH Fiber LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Adams Telsystems Inc. Bluebird Network LLC Brightspeed Chariton Valley Communication Corporation Charter Communications Inc Mark Twain Communications Company Mark Twain Rural Telephone Company Ralls Technologies, L.L.C. T-Mobile US UNITED STATES CELLULAR CORPORATION	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL 130235 Fiber 330067 Fiber 130403 Fixed Wireless 131413 DSL 430176 Fixed Wireless Maries County 130077 DSL 470022 DSL 450051 Fiber 330067 Fiber 130403 Fixed Wireless 131310 Fixed Wireless 131413 Fixed Wireless 131413 Fixed Wireless 131413 Fixed Wireless 131415 Fixed Wireless 130012 Fiber 130012 Fiber 130012 Fiber 130012 Fiber 130034 Fiber 130235 Fiber 130781 Fiber	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 100/20 below 200/50 2 above 200/50 6 above 200/50 6 above 200/50 1 below 10/1 3 above 25/3 below 50/10 3 above 25/3 below 50/10 5 above 100/20 below 200/50 3 above 25/3 below 50/10 6 above 200/50
Macon County Madison County Maries County Marion County	VERIZON AT&T Inc Big River Communications Brightspeed Charter Communications Inc Sho-Me Technologies, LLC T-Mobile US Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Brightspeed GTECH Fiber LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Adams Telsystems Inc. Bluebird Network LLC Brightspeed Chariton Valley Communication Corporation Charter Communications Inc Mark Twain Communications Company Mark Twain Rural Telephone Company Ralls Technologies, L.L.C. T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON BaryElectricCooperative	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL 130235 Fiber 330067 Fiber 130403 Fixed Wireless 131413 DSL 430176 Fixed Wireless Maries County 130077 DSL 450051 Fiber 330067 Fiber 130403 Fixed Wireless 131413 Fixed Wireless 131413 Fixed Wireless 131413 Fixed Wireless 131413 Fixed Wireless 131415 Fixed Wireless 130002 Fiber 130012 Fiber 130012 Fiber 130025 Fiber 130234 Fiber 130781 Fiber 130403 Fixed Wireless 131425 Fixed Wireless	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 100/20 below 200/50 2 above 100/20 below 200/50 6 above 200/50 6 above 200/50 6 above 200/50 1 below 10/1 3 above 25/3 below 50/10 3 above 25/3 below 50/10 5 above 100/20 below 200/50 3 above 25/3 below 50/10 6 above 200/50
Macon County Madison County Maries County Marion County McDonald County McDonald County	VERIZON AT&T Inc Big River Communications Brightspeed Charter Communications Inc Sho-Me Technologies, LLC T-Mobile US Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Brightspeed GTECH Fiber LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Adams Telsystems Inc. Bluebird Network LLC Brightspeed Chariton Valley Communication Corporation Charter Communications Inc Mark Twain Communications Company Mark Twain Rural Telephone Company Ralls Technologies, L.L.C. T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON BarryElectricCooperative Brightspeed	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL 130235 Fiber 330067 Fiber 130403 Fixed Wireless 131413 DSL 430176 Fixed Wireless Maries County 130077 DSL 470022 DSL 450051 Fiber 130403 Fixed Wireless 131310 Fixed Wireless 131413 Fixed Wireless 131413 Fixed Wireless 131413 Fixed Wireless 131417 Fixed Wireless 130002 Fiber 130012 Fiber 130012 Fiber 130023 Fiber 130234 Fiber 130781 Fiber	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 100/20 below 200/50 2 above 100/20 below 100/20 6 above 200/50 6 above 200/50 1 below 10/1 3 above 25/3 below 50/10 3 above 25/3 below 50/10 5 above 100/20 below 200/50 3 above 25/3 below 50/10 6 above 200/50
Macion County Madison County Maries County Marien County Marion County McDonald County McDonald County	VERIZON AT&T Inc Big River Communications Brightspeed Charter Communications Inc Sho-Me Technologies, LLC T-Mobile US Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Brightspeed GTECH Fiber LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Adams Telsystems Inc. Bluebird Network LLC Brightspeed Chariton Valley Communication Corporation Charter Communications Inc Mark Twain Communications Company Mark Twain Rural Telephone Company Ralls Technologies, L.L.C. T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON BarryElectricCooperative Brightspeed Cox Communications	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL 130235 Fiber 330067 Fiber 130403 Fixed Wireless 131413 DSL 430176 Fixed Wireless Maries County 130077 DSL 470022 DSL 450051 Fiber 330067 Fiber 130403 Fixed Wireless 131310 Fixed Wireless 131413 Fixed Wireless 131413 Fixed Wireless 131413 Fixed Wireless 131413 Fixed Wireless 131415 Fixed Wireless 130176 Fixed Wireless 130012 Fiber 130012 Fiber 130012 Fiber 130013 Fiber 130235 Fiber 130235 Fiber 130781 Fiber 130781 Fiber 130781 Fiber 130781 Fiber 130403 Fixed Wireless 131110 Fixed Wireless 131110 Fixed Wireless 131425 Fixed Wireless 131425 Fixed Wireless 131425 Fixed Wireless McDonald County 360007 Fiber 470022 DSL 130360 Cable Modem	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 100/20 below 200/50 2 above 100/20 below 200/50 6 above 200/50 6 above 200/50 6 above 200/50 1 below 10/1 3 above 25/3 below 50/10 3 above 25/3 below 50/10 5 above 100/20 below 200/50 3 above 25/3 below 50/10 6 above 200/50
Macon County Madison County Maries County Marion County McDonald County McDonald County McDonald County	VERIZON AT&T Inc Big River Communications Brightspeed Charter Communications Inc Sho-Me Technologies, LLC T-Mobile US Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Brightspeed GTECH Fiber LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Adams Telsystems Inc. Bluebird Network LLC Brightspeed Chariton Valley Communication Corporation Charter Communications Inc Mark Twain Communications Company Mark Twain Rural Telephone Company Ralls Technologies, L.L.C. T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON BarryElectricCooperative Brightspeed Cox Communications K-PowerNet LLC	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL 130235 Fiber 33067 Fiber 130403 Fixed Wireless 131413 DSL 430176 Fixed Wireless Maries County 130077 DSL 470022 DSL 450051 Fiber 330067 Fiber 130403 Fixed Wireless 131310 Fixed Wireless 131413 Fixed Wireless 131413 Fixed Wireless 131415 Fixed Wireless 131077 DSL 130077 DSL 130077 DSL 130077 DSL 130077 DSL 130078 Fixed Wireless 131415 Fixed Wireless 1300002 Fiber 130002 Fiber 1300034 Fiber 130781 Fiber 130781 Fiber 130781 Fiber 130781 Fiber 130403 Fixed Wireless 131310 Fixed Wireless 131310 Fixed Wireless 131425 Fixed Wireless 131425 Fixed Wireless 131425 Fixed Wireless McDonald County McDonald County 360007 Fiber 470022 DSL 130360 Cable Modem 460048 Fiber	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 100/20 below 200/50 2 above 200/50 6 above 200/50 6 above 200/50 6 above 200/50 1 below 10/1 3 above 25/3 below 50/10 3 above 25/3 below 50/10 5 above 100/20 below 200/50 3 above 25/3 below 50/10 6 above 200/50
Macon County Madison County Maries County Marion County McDonald County McDonald County McDonald County McDonald County McDonald County	VERIZON AT&T Inc Big River Communications Brightspeed Charter Communications Inc Sho-Me Technologies, LLC T-Mobile US Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Brightspeed GTECH Fiber LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Adams Telsystems Inc. Bluebird Network LLC Brightspeed Chariton Valley Communication Corporation Charter Communications Inc Mark Twain Communications Company Mark Twain Rural Telephone Company Ralls Technologies, L.L.C. T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON BaryElectricCooperative Brightspeed Cox Communications K-PowerNet LLC Le-Ru Telephone Company	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL 130235 Fiber 330067 Fiber 130403 Fixed Wireless 131413 DSL 430176 Fixed Wireless Maries County 130077 DSL 470022 DSL 450051 Fiber 330067 Fiber 130403 Fixed Wireless 131413 Fixed Wireless 430176 Fixed Wireless 131413 Fixed Wireless 131415 Fixed Wireless 131417 Fixed Wireless 131418 Fixed Wireless 430176 Fixed Wireless 130002 Fiber 130012 Fiber 130012 Fiber 130012 Fiber 130015 Fiber 130781 Fiber 130403 Fixed Wireless 1311310 Fixed Wireless 131425 Fixed Wireless 1306007 Fiber 470022 DSL 130360 Cable Modem 460048 Fiber 130736 Fiber	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 100/20 below 200/50 2 above 100/20 below 200/50 6 above 200/50 6 above 200/50 6 above 200/50 1 below 10/1 3 above 25/3 below 50/10 3 above 25/3 below 50/10 5 above 100/20 below 200/50 3 above 25/3 below 50/10 6 above 200/50
Macon County Madison County Maries County Marien County Marion County McDonald County McDonald County McDonald County McDonald County McDonald County McDonald County	VERIZON AT&T Inc Big River Communications Brightspeed Charter Communications Inc Sho-Me Technologies, LLC T-Mobile US Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Brightspeed GTECH Fiber LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Adams Telsystems Inc. Bluebird Network LLC Brightspeed Chariton Valley Communication Corporation Charter Communications Inc Mark Twain Communications Company Mark Twain Rural Telephone Company Ralls Technologies, L.L.C. T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON BarryElectricCooperative Brightspeed Cox Communications K-PowerNet LLC Le-Ru Telephone Company MCC Missouri LLC	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL 130235 Fiber 330067 Fiber 130403 Fixed Wireless 131413 DSL 430176 Fixed Wireless Maries County 130077 DSL 470022 DSL 450051 Fiber 130403 Fixed Wireless 131310 Fixed Wireless 131413 Fixed Wireless 131413 Fixed Wireless 131413 Fixed Wireless 131417 Fixed Wireless 130002 Fiber 130002 Fiber 130002 Fiber 130035 Fiber 130781 Fiber 130781 Fiber 130781 Fiber 130781 Fiber 130785 Fixed Wireless 131310 Fixed Wireless	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 100/20 below 200/50 2 above 100/20 below 100/20 6 above 200/50 6 above 200/50 6 above 200/50 1 below 10/1 3 above 25/3 below 50/10 3 above 25/3 below 50/10 5 above 100/20 below 200/50 3 above 25/3 below 50/10 6 above 200/50 6 above 50/10 below 200/50 6 above 200/50
Macion County Madison County Maries County Marion County McDonald County	VERIZON AT&T Inc Big River Communications Brightspeed Charter Communications Inc Sho-Me Technologies, LLC T-Mobile US Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Brightspeed GTECH Fiber LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Adams Telsystems Inc. Bluebird Network LLC Brightspeed Chariton Valley Communication Corporation Charter Communications Inc Mark Twain Rural Telephone Company Mark Twain Rural Telephone Company Ralls Technologies, L.L.C. T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON BarryElectricCooperative Brightspeed Cox Communications K-PowerNet LLC Le-Ru Telephone Company MCC Missouri LLC McDonald County Telephone and Internet	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL 130235 Fiber 330067 Fiber 130403 Fixed Wireless 131413 DSL 430176 Fixed Wireless Maries County 130077 DSL 470022 DSL 450051 Fiber 330067 Fiber 130403 Fixed Wireless 131310 Fixed Wireless 131413 Fixed Wireless 131413 Fixed Wireless 131413 Fixed Wireless 13140 Fixed Wireless 13140 Fixed Wireless 130176 Fixed Wireless 130002 Fiber 130012 Fiber 130012 Fiber 130013 Fiber 130235 Fiber 130235 Fiber 130781 Fiber 130781 Fiber 130781 Fiber 130781 Fiber 130403 Fixed Wireless 13110 Fixed Wireless 130002 Fiber 130002 Fiber 130003 Fiber 130003 Fiber 130003 Fiber 130003 Fiber 130003 Fiber 130004 Fiber 130005 Fiber 130008 Fiber 130009 Fiber	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 100/20 below 200/50 2 above 100/20 below 200/50 6 above 200/50 6 above 200/50 6 above 200/50 1 below 10/1 3 above 25/3 below 50/10 3 above 25/3 below 50/10 5 above 100/20 below 200/50 3 above 25/3 below 50/10 6 above 200/50
Macison County Madison County Maries County Marion County McDonald County	VERIZON AT&T Inc Big River Communications Brightspeed Charter Communications Inc Sho-Me Technologies, LLC T-Mobile US Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Brightspeed GTECH Fiber LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Adams Telsystems Inc. Bluebird Network LLC Brightspeed Chariton Valley Communication Corporation Charter Communications Inc Mark Twain Rural Telephone Company Ralls Technologies, L.L.C. T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON BarryElectricCooperative Brightspeed Cox Communications K-PowerNet LLC Le-Ru Telephone Company MCC Missouri LLC MCDonald County Telephone and Internet OREGON TELEPHONE COPRORATION	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL 130235 Fiber 330067 Fiber 130403 Fixed Wireless 131413 DSL 430176 Fixed Wireless Maries County 130077 DSL 470022 DSL 450051 Fiber 330067 Fiber 130403 Fixed Wireless 131310 Fixed Wireless 131413 Fixed Wireless 131413 Fixed Wireless 131415 Fixed Wireless 131077 DSL 130077 DSL 130077 DSL 130072 Fiber 130073 Fixed Wireless Marion County 130077 DSL 130012 Fiber 130002 Fiber 130234 Fiber 130235 Fiber 130781 Fiber 130781 Fiber 130781 Fiber 130403 Fixed Wireless 131310 Fixed Wireless 131425 Fixed Wireless 131426 Fixed Wireless 131427 Fixed Wireless 131428 Fixed Wireless 131429 Fixed Wireless 131429 Fixed Wireless 131429 Fixed Wireless 131429 Fixed Wireless 131425 Fixed Wireless 13145 Fixed Wireless 131	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 100/20 below 200/50 2 above 200/50 6 above 200/50 6 above 200/50 6 above 200/50 1 below 10/1 3 above 25/3 below 50/10 3 above 25/3 below 50/10 5 above 100/20 below 200/50 3 above 25/3 below 50/10 6 above 200/50 5 above 100/20 below 200/50 5 above 100/20 below 200/50 5 above 20/50 6 above 25/3 below 50/10 6 above 20/50
Macion County Madison County Maries County Marion County McDonald County	VERIZON AT&T Inc Big River Communications Brightspeed Charter Communications Inc Sho-Me Technologies, LLC T-Mobile US Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Brightspeed GTECH Fiber LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION Windstream Missouri, Inc. Wisper ISP, LLC AT&T Inc Adams Telsystems Inc. Bluebird Network LLC Brightspeed Chariton Valley Communication Corporation Charter Communications Inc Mark Twain Rural Telephone Company Mark Twain Rural Telephone Company Ralls Technologies, L.L.C. T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON BarryElectricCooperative Brightspeed Cox Communications K-PowerNet LLC Le-Ru Telephone Company MCC Missouri LLC McDonald County Telephone and Internet	131425 Fixed Wireless Madison County 130077 DSL 130124 DSL 470022 DSL 130235 Fiber 330067 Fiber 130403 Fixed Wireless 131413 DSL 430176 Fixed Wireless Maries County 130077 DSL 470022 DSL 450051 Fiber 330067 Fiber 130403 Fixed Wireless 131310 Fixed Wireless 131413 Fixed Wireless 131413 Fixed Wireless 131413 Fixed Wireless 13140 Fixed Wireless 13140 Fixed Wireless 130176 Fixed Wireless 130002 Fiber 130012 Fiber 130012 Fiber 130013 Fiber 130235 Fiber 130235 Fiber 130781 Fiber 130781 Fiber 130781 Fiber 130781 Fiber 130403 Fixed Wireless 13110 Fixed Wireless 130002 Fiber 130002 Fiber 130003 Fiber 130003 Fiber 130003 Fiber 130003 Fiber 130003 Fiber 130004 Fiber 130005 Fiber 130008 Fiber 130009 Fiber	3 above 25/3 below 50/10 4 above 50/10 below 100/20 1 below 10/1 4 above 50/10 below 100/20 5 above 100/20 below 200/50 6 above 200/50 5 above 100/20 below 200/50 4 above 50/10 below 100/20 5 above 100/20 below 200/50 2 above 100/20 below 200/50 2 above 100/20 below 200/50 6 above 200/50 6 above 200/50 6 above 200/50 1 below 10/1 3 above 25/3 below 50/10 3 above 25/3 below 50/10 5 above 100/20 below 200/50 3 above 25/3 below 50/10 6 above 200/50

McDonald County	Oregon Telephone Corporation	130986 Fiber	6 above 200/50
McDonald County	OzarksGo	360065 Fiber	6 above 200/50
McDonald County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
McDonald County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	2 above 10/1 below 25/3
McDonald County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
McDonald County	Windstream Missouri, Inc.	131413 DSL	6 above 200/50
McDonald County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
mozonala odaniy	1100011011, 220	Mercer County	0 00000 100/20 20/01 200/00
Mercer County	Grand River Mutual Telephone Corporation	130560 Fiber	6 above 200/50
Mercer County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Mercer County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
, , , , , , , ,		Miller County	
Miller County	AT&T Inc	130077 DSL	2 above 10/1 below 25/3
Miller County	Brightspeed	470022 Fiber	4 above 50/10 below 100/20
Miller County	Charter Communications Inc	130235 Fiber	6 above 200/50
Miller County	Co-Mo Connect	280017 Fiber	6 above 200/50
Miller County	Sho-Me Technologies, LLC	330067 Fiber	6 above 200/50
Miller County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Miller County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Miller County	VERIZON	131425 Fixed Wireless	4 above 50/10 below 100/20
Miller County	Windstream Missouri, Inc.	131413 Fiber	6 above 200/50
Miller County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
,		Mississippi County	
Mississippi County	AT&T Inc	130077 DSL	2 above 10/1 below 25/3
Mississippi County	Charter Communications Inc	130235 Fiber	5 above 100/20 below 200/50
Mississippi County	GoSEMO, LLC	390101 Fiber	6 above 200/50
Mississippi County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Mississippi County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Mississippi County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		Moniteau County	
Moniteau County	Brightspeed	470022 Fiber	5 above 100/20 below 200/50
Moniteau County	Co-Mo Connect	280017 Fiber	6 above 200/50
Moniteau County	Otelco Mid-Missouri LLC	131378 DSL	4 above 50/10 below 100/20
Moniteau County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Moniteau County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Moniteau County	VERIZON	131425 Fixed Wireless	4 above 50/10 below 100/20
Moniteau County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
Moniteau County	iZones	460045 Fixed Wireless	5 above 100/20 below 200/50
		Monroe County	
Monroe County	Bluebird Network LLC	300002 Fiber	6 above 200/50
Monroe County	Brightspeed	470022 DSL	3 above 25/3 below 50/10
Monroe County	Chariton Valley Communication Corporation	130234 Fiber	6 above 200/50
Monroe County	Chariton Valley Telephone Corporation	130234 Fiber	6 above 200/50
Monroe County	Charter Communications Inc	130235 Fiber	5 above 100/20 below 200/50
Monroe County	Mark Twain Communications Company	130781 Fixed Wireless	4 above 50/10 below 100/20
Monroe County	Ralls Technologies, L.L.C.	160146 Fiber	5 above 100/20 below 200/50
Monroe County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Monroe County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Monroe County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Monroe County	Windstream Missouri, Inc.	131413 Fixed Wireless	4 above 50/10 below 100/20
, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	,	Montgomery County	
Montgomery County	AT&T Inc	130077 DSL	2 above 10/1 below 25/3
Montgomery County	Bluebird Network LLC	300002 Fiber	6 above 200/50
Montgomery County	Brightspeed	470022 Fiber	6 above 200/50
Montgomery County	Callabyte	340012 Fiber	6 above 200/50
Montgomery County	Charter Communications Inc	130235 Fiber	6 above 200/50
Montgomery County	Kingdom Telephone Co	130697 Fiber	6 above 200/50
Montgomery County	MCC Missouri LLC	130804 Cable Modem	6 above 200/50
Montgomery County	OREGON TELEPHONE CORPORATION	130986 Fiber	6 above 200/50
Montgomery County	OREGON TELEPHONE CORPORATOIN	130986 Fiber	6 above 200/50
Montgomery County	PHYNX	130697 Fiber	6 above 200/50
Montgomery County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Montgomery County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	2 above 10/1 below 25/3
Montgomery County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Montgomery County	Windstream Missouri, Inc.	131413 Fiber	6 above 200/50
		Morgan County	
Morgan County	AT&T Inc	130077 DSL	2 above 10/1 below 25/3
Morgan County	Brightspeed	470022 DSL	3 above 25/3 below 50/10
Morgan County	Charter Communications Inc	130235 Fiber	5 above 100/20 below 200/50
Morgan County	Co-Mo Connect	280017 Fiber	6 above 200/50
Morgan County	Otelco Mid-Missouri LLC	131378 DSL	3 above 25/3 below 50/10
Morgan County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Morgan County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Morgan County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Morgan County	Windstream Missouri, Inc.	131413 DSL	6 above 200/50
Morgan County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
		New Madrid County	
New Madrid County	AT&T Inc	130077 DSL	5 above 100/20 below 200/50
New Madrid County	BPS Telephone Company	130492 Fiber	6 above 200/50
New Madrid County	Big River Communications	130124 DSL	1 below 10/1
New Madrid County	Charter Communications Inc	130235 Fiber	5 above 100/20 below 200/50
New Madrid County	GoSEMO, LLC	390101 Fiber	6 above 200/50
New Madrid County	King Street Wireless, L.P.	300079 Fixed Wireless	2 above 10/1 below 25/3
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New Madrid County	PD Fiber, LLC	390085	Fiber		above 200/50
New Madrid County	Sho-Me Technologies, LLC	330067	Fiber	6	above 200/50
New Madrid County	Sparklight	130183	Cable Modem	6	above 200/50
New Madrid County	T-Mobile US	130403	Fixed Wireless		above 100/20 below 200/50
New Madrid County	VERIZON		Fixed Wireless	3	above 25/3 below 50/10
		Newton County			
Newton County	AT&T Inc	130077			above 10/1 below 25/3
Newton County	Aire Internet		Fixed Wireless		above 50/10 below 100/20
Newton County	BarryElectricCooperative	360007			above 200/50
Newton County	Bluebird Network LLC	300002			above 200/50
Newton County	Brightspeed	470022			above 50/10 below 100/20
Newton County	Consolidated Communications, Fidium	130335			above 50/10 below 100/20
Newton County	FIBER COMMUNICATIONS of COLUMBUS	130314			above 200/50
Newton County	GTC Broadband Inc	130558			above 200/50
Newton County	Granby Telephone Company	130558		6	above 200/50
Newton County	K-PowerNet LLC	460048		6	above 200/50
Newton County	Le-Ru Telephone Company	130736			above 200/50
Newton County	MCC Missouri LLC		Cable Modem	6	above 200/50
Newton County	OREGON TELEPHONE COPRORATION	130986		6	above 200/50
Newton County	Optimum	130370			above 200/50
Newton County	Sparklight		Cable Modem		above 200/50
Newton County	T-Mobile US		Fixed Wireless		above 100/20 below 200/50
Newton County	UNITED STATES CELLULAR CORPORATION		Fixed Wireless		above 25/3 below 50/10
Newton County	VERIZON	131425	Fixed Wireless		above 25/3 below 50/10
Newton County	Windstream Missouri, Inc.				above 200/50
Newton County	Wisper ISP, LLC		Fixed Wireless	5	above 100/20 below 200/50
No down Ocean	Dischied National III O	Nodaway County	E0	0	- h 000/50
Nodaway County	Bluebird Network LLC	300002			above 200/50
Nodaway County	Brightspeed	470022			above 50/10 below 100/20
Nodaway County	Fastwyre Broadband	131226			above 25/3 below 50/10
Nodaway County	Grand River Mutual Telephone Corporation	130560			above 200/50
Nodaway County	IAMO Telephone Company	130631			above 200/50
Nodaway County	King Street Wireless, L.P.		Fixed Wireless		above 10/1 below 25/3
Nodaway County	Optimum		Cable Modem		above 100/20 below 200/50
Nodaway County	T-Mobile US		Fixed Wireless		above 100/20 below 200/50
Nodaway County	United Fiber	150327			above 200/50
Nodaway County	Windstream Iowa Communications, Inc.	131413	DSL	5	above 100/20 below 200/50
		Oregon County			
Oregon County	Brightspeed	470022			above 50/10 below 100/20
Oregon County	Current High Speed	420029			above 200/50
Oregon County	Fidelity		Cable Modem		above 100/20 below 200/50
Oregon County	LTD Broadband	240056			above 200/50
Oregon County	NEXT, Powered by NAEC, LLC	380089			above 200/50
Oregon County	Peace Valley Telephone	131019			above 10/1 below 25/3
Oregon County	T-Mobile US		Fixed Wireless		above 25/3 below 50/10
Oregon County	UNITED STATES CELLULAR CORPORATION		Fixed Wireless		above 25/3 below 50/10
Oregon County	VERIZON		Fixed Wireless		above 25/3 below 50/10
Oregon County	Windstream Missouri, Inc.	131413	Fiber	б	above 200/50
0	A T 0 T 1 = -	Osage County	DOL	-	- h 400/00 h - l 000/50
Osage County	AT&T Inc	130077			above 100/20 below 200/50
Osage County	Brightspeed	470022			above 50/10 below 100/20
Osage County	Cable America		Cable Modem		above 200/50
Osage County	Mid MO Micro Computers	350064			above 100/20 below 200/50
Osage County	Optimum		Cable Modem		above 100/20 below 200/50
Osage County	Sho-Me Technologies, LLC	330067			above 200/50
Osage County	T-Mobile US		Fixed Wireless		below 10/1
Osage County	UNITED STATES CELLULAR CORPORATION		Fixed Wireless		above 25/3 below 50/10
Osage County	VERIZON		Fixed Wireless		above 25/3 below 50/10
Osage County	Wisper ISP, LLC		Fixed Wireless	5	above 100/20 below 200/50
		Ozark County			
Ozark County	Delastrations and	170000	Ethan and		below 10/1
	Brightspeed	470022			ahaua 200/50
Ozark County	NEXT, Powered by NAEC, LLC	380089	Fiber	6	above 200/50
Ozark County Ozark County	NEXT, Powered by NAEC, LLC Sho-Me Technologies, LLC	380089 330067	Fiber Fiber	6 6	above 200/50
Ozark County Ozark County Ozark County	NEXT, Powered by NAEC, LLC Sho-Me Technologies, LLC T-Mobile US	380089 330067 130403	Fiber Fiber Fixed Wireless	6 6 3	above 200/50 above 25/3 below 50/10
Ozark County Ozark County Ozark County Ozark County	NEXT, Powered by NAEC, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION	380089 330067 130403 131310	Fiber Fiber Fixed Wireless Fixed Wireless	6 6 3 3 3	above 200/50 above 25/3 below 50/10 above 25/3 below 50/10
Ozark County Ozark County Ozark County Ozark County Ozark County Ozark County	NEXT, Powered by NAEC, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON	380089 330067 130403 131310 131425	Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless	6 6 3 3 3 3	above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10
Ozark County Ozark County Ozark County Ozark County	NEXT, Powered by NAEC, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION	380089 330067 130403 131310 131425 430176	Fiber Fiber Fixed Wireless Fixed Wireless	6 6 3 3 3 3	above 200/50 above 25/3 below 50/10 above 25/3 below 50/10
Ozark County	NEXT, Powered by NAEC, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC	380089 330067 130403 131310 131425 430176 Pemiscot County	Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless	6 6 3 3 3 3 5	above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 100/20 below 200/50
Ozark County Ozark County Ozark County Ozark County Ozark County Ozark County Pemiscot County	NEXT, Powered by NAEC, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc	380089 330067 130403 1313100 131425 430176 Pemiscot County 130077	Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless	6 6 3 3 3 3 5	above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 100/20 below 200/50 above 10/1 below 25/3
Ozark County Pemiscot County Pemiscot County	NEXT, Powered by NAEC, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc BPS Telephone Company	380089 330067 130403 131310 131425 430176 Pemiscot County 130077 130492	Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless DSL Fiber	6 6 3 3 3 3 5	above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 100/20 below 200/50 above 10/1 below 25/3 above 200/50
Ozark County Pemiscot County Pemiscot County	NEXT, Powered by NAEC, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc BPS Telephone Company MCC Missouri LLC	380089 330067 130403 131310 131425 430176 Pemiscot County 130077 130492 130804	Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless DSL Fiber Cable Modem	6 6 3 3 3 5 5	above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 100/20 below 200/50 above 10/1 below 25/3 above 200/50 above 200/50
Ozark County Ozark County Ozark County Ozark County Ozark County Ozark County Pemiscot County Pemiscot County Pemiscot County Pemiscot County	NEXT, Powered by NAEC, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc BPS Telephone Company MCC Missouri LLC MCEC Fiber	380089 330067 130403 131310 131425 430176 Pemiscot County 130077 130492 130804 430052	Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless DSL Fiber Cable Modem Fiber	6 6 3 3 3 5 5 2 6 6 6	above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 100/20 below 200/50 above 10/1 below 25/3 above 200/50 above 200/50 above 200/50
Ozark County Ozark County Ozark County Ozark County Ozark County Ozark County Pemiscot County Pemiscot County Pemiscot County Pemiscot County Pemiscot County	NEXT, Powered by NAEC, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc BPS Telephone Company MCC Missouri LLC MCEC Fiber PD Fiber, LLC	380089 330067 130403 131310 131425 430176 Pemiscot County 130077 130492 130804 430052 390085	Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless DSL Fiber Cable Modem Fiber Fiber	6 6 3 3 3 3 5 5	above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 100/20 below 200/50 above 10/1 below 25/3 above 200/50 above 200/50 above 200/50 above 200/50 above 200/50
Ozark County Ozark County Ozark County Ozark County Ozark County Ozark County Pemiscot County	NEXT, Powered by NAEC, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc BPS Telephone Company MCC Missouri LLC MCEC Fiber PD Fiber, LLC Sparklight	380089 330067 130403 131310 131425 430176 Pemiscot County 130077 130492 130804 430052 390085 130183	Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless DSL Fiber Cable Modem Fiber Cable Modem	6 6 3 3 3 5 5 2 6 6 6 6 6	above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 100/20 below 200/50 above 10/1 below 25/3 above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 200/50
Ozark County Ozark County Ozark County Ozark County Ozark County Ozark County Pemiscot County	NEXT, Powered by NAEC, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc BPS Telephone Company MCC Missouri LLC MCEC Fiber PD Fiber, LLC Sparklight T-Mobile US	380089 330067 130403 131310 131425 430176 Pemiscot County 130077 130492 130804 430052 390085 130183 130403	Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless DSL Fiber Cable Modem Fiber Fiber Cable Modem Fixed Wireless	6 6 3 3 3 5 5 2 6 6 6 6 6	above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 100/20 below 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10
Ozark County Ozark County Ozark County Ozark County Ozark County Ozark County Pemiscot County	NEXT, Powered by NAEC, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc BPS Telephone Company MCC Missouri LLC MCEC Fiber PD Fiber, LLC Sparklight	380089 330067 130403 131310 131425 430176 Pemiscot County 130077 130492 130804 430052 390085 130183 130403 131425	Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless DSL Fiber Cable Modem Fiber Cable Modem	6 6 3 3 3 5 5 2 6 6 6 6 6	above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 100/20 below 200/50 above 10/1 below 25/3 above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 200/50
Ozark County Ozark County Ozark County Ozark County Ozark County Ozark County Pemiscot County	NEXT, Powered by NAEC, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc BPS Telephone Company MCC Missouri LLC MCEC Fiber PD Fiber, LLC Sparklight T-Mobile US VERIZON	380089 330067 130403 131310 131425 430176 Pemiscot County 130077 130492 130804 430052 390085 130183 130403 131425 Pemy County	Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless DSL Fiber Cable Modem Fiber Fiber Cable Modem Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless	6 6 3 3 3 5 5 2 6 6 6 6 6 6 6 3 3 3	above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 100/20 below 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10
Ozark County Ozark County Ozark County Ozark County Ozark County Ozark County Pemiscot County	NEXT, Powered by NAEC, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc BPS Telephone Company MCC Missouri LLC MCEC Fiber PD Fiber, LLC Sparklight T-Mobile US VERIZON AT&T Inc	380089 330067 130403 131310 131425 430176 Pemiscot County 130077 130492 130804 430052 390085 130183 130403 131425 Peny County	Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless DSL Fiber Cable Modem Fiber Fiber Cable Modem Fixed Wireless Fixed Wireless DSL	6 6 3 3 3 5 5 2 6 6 6 6 6 6 6 3 3 3	above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 100/20 below 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 10/1 below 25/3
Ozark County Ozark County Ozark County Ozark County Ozark County Ozark County Pemiscot County	NEXT, Powered by NAEC, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc BPS Telephone Company MCC Missouri LLC MCEC Fiber PD Fiber, LLC Sparklight T-Mobile US VERIZON AT&T Inc BLIP_Networks	380089 330067 130403 131310 131425 430176 Pemiscot County 130077 130492 130804 430052 390085 130183 130403 131425 Pemy County	Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fixed Wireless Fixed Wireless DSL Fixed Wireless	6 6 3 3 3 3 5 5 2 6 6 6 6 6 6 6 6 3 3 3	above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 100/20 below 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 10/1 below 25/3 above 10/1 below 25/3 above 10/10
Ozark County Ozark County Ozark County Ozark County Ozark County Ozark County Pemiscot County	NEXT, Powered by NAEC, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc BPS Telephone Company MCC Missouri LLC MCEC Fiber PD Fiber, LLC Sparklight T-Mobile US VERIZON AT&T Inc BLIP_Networks Big River Communications	380089 330067 130403 131310 131425 430176 Pemiscot County 130077 130492 130804 430052 390085 130183 130403 131425 Pemy County 130077 200006 130124	Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless DSL Fiber Cable Modem Fiber Fiber Cable Modem Fixed Wireless Fixed Wireless Fixed Wireless DSL Fixed Wireless DSL	6 6 3 3 3 5 5 2 6 6 6 6 6 6 6 3 3 3 3	above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 100/20 below 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 10/1 below 25/3 above 10/10 below 200/50 above 10/10 below 25/3 above 100/20 below 200/50 above 10/10 below 25/3
Ozark County Ozark County Ozark County Ozark County Ozark County Ozark County Pemiscot County	NEXT, Powered by NAEC, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc BPS Telephone Company MCC Missouri LLC MCEC Fiber PD Fiber, LLC Sparklight T-Mobile US VERIZON AT&T Inc BLIP_Networks Big River Communications Charter Communications Inc	380089 330067 130403 131310 131425 430176 Pemiscot County 130077 130492 130804 430052 390085 130183 130403 131425 Peny County 130077 200006 130124 130235	Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fixed Wireless Fixed Wireless DSL Fixed Wireless DSL Fixed Wireless DSL Fiber	6 6 3 3 3 3 5 2 6 6 6 6 6 6 6 3 3 3 3 2 5	above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 100/20 below 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 10/1 below 25/3 above 100/20 below 200/50 above 20/50
Ozark County Ozark County Ozark County Ozark County Ozark County Ozark County Pemiscot County	NEXT, Powered by NAEC, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc BPS Telephone Company MCC Missouri LLC MCEC Fiber PD Fiber, LLC Sparklight T-Mobile US VERIZON AT&T Inc BLIP_Networks Big River Communications	380089 330067 130403 131310 131425 430176 Pemiscot County 130077 130492 130804 430052 390085 130183 130403 131425 Peny County 130077 200006 130124 130235 330067	Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless DSL Fiber Cable Modem Fiber Cable Modem Fixed Wireless Fixed Wireless Fixed Wireless DSL Fixed Wireless DSL Fixed Wireless DSL Fiber	6 6 3 3 3 3 5 5 2 6 6 6 6 6 6 6 6 6 7 2 5 5 2 5 5 2 6 6 6 6 6 6 6 6 6 6 6 6 6	above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 100/20 below 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 10/1 below 25/3 above 10/10 below 200/50 above 10/10 below 25/3 above 100/20 below 200/50 above 10/10 below 25/3

Perry County Perry County	VERIZON Wisper ISP, LLC	131425 Fixed Wireless 430176 Fixed Wireless	3 above 25/3 below 50/10 5 above 100/20 below 200/50
reny County	Wisper for , LLO	Pettis County	above 100/20 below 200/30
Pettis County	AT&T Inc	130077 DSL	5 above 100/20 below 200/50
Pettis County	Bluebird Network LLC	300002 Fiber	6 above 200/50
Pettis County	Brightspeed	470022 DSL	4 above 50/10 below 100/20
Pettis County	Charter Communications Inc	130235 Fiber	6 above 200/50
Pettis County	Citizens Cablevision Inc	130263 Cable Modem	5 above 100/20 below 200/50
Pettis County	Co-Mo Connect	280017 Fiber	6 above 200/50
Pettis County	Liberty Link	390159 Fixed Wireless	5 above 100/20 below 200/50
Pettis County	Otelco Mid-Missouri LLC	131378 DSL	4 above 50/10 below 100/20
Pettis County	Sho-Me Technologies, LLC	330067 Fiber	6 above 200/50
Pettis County	Socket Telecom, LLC	150316 Fiber	6 above 200/50
	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Pettis County			
Pettis County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Pettis County	VERIZON	131425 Fixed Wireless	4 above 50/10 below 100/20
Pettis County	Windstream Missouri, Inc.	131413 DSL	2 above 10/1 below 25/3
Pettis County	Wisper ISP, LLC	430176 Fiber	6 above 200/50
Pholpo County	BlueBit Networks	Phelps County 350017 Fixed Wireless	4 above 50/10 below 100/20
Phelps County			
Phelps County	Brightspeed	470022 Fiber	6 above 200/50
Phelps County	Charter Communications Inc	130235 Fiber	5 above 100/20 below 200/50
Phelps County	Fidelity	130183 Fiber	6 above 200/50
Phelps County	GTECH Fiber LLC	450051 Fiber	6 above 200/50
Phelps County	Sho-Me Technologies, LLC	330067 Fiber	6 above 200/50
Phelps County	Socket Telecom, LLC	150316 Fiber	6 above 200/50
Phelps County	Steelville Telephone Exchange, Inc.	131260 Fiber	6 above 200/50
Phelps County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Phelps County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Phelps County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Phelps County	Wave Internet Technologies LLC	450172 Fiber	6 above 200/50
Phelps County	Windstream Missouri, Inc.	131413 DSL	6 above 200/50
Phelps County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
		Pike County	
Pike County	AT&T Inc	130077 DSL	3 above 25/3 below 50/10
Pike County	Bluebird Network LLC	300002 Fiber	6 above 200/50
Pike County	Charter Communications Inc	130235 Fiber	6 above 200/50
Pike County	Ralls Technologies, L.L.C.	160146 Fiber	6 above 200/50
Pike County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Pike County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Pike County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Pike County	Windstream Missouri, Inc.	131413 Fixed Wireless	4 above 50/10 below 100/20
•	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
Pike County Pike County	•	390157 Fiber	6 above 200/50
Fixe County	yondoo Broadband, LLC	Platte County	above 200/30
Platte County	AT&T Inc	130077 Fiber	6 above 200/50
Platte County	Aureon Communications, L.L.C.	280005 Fiber	4 above 50/10 below 100/20
•	Bluebird Network LLC	300003 Fiber	6 above 200/50
Platte County			
Platte County	Brightspeed	470022 Fiber	6 above 200/50
Platte County	Charter Communications Inc	130235 Fiber	6 above 200/50
Platte County	Consolidated Communications	130335 Fiber	6 above 200/50
Platte County	Google Fiber	240041 Fiber	6 above 200/50
Platte County	Mercury Broadband	190236 Fixed Wireless	5 above 100/20 below 200/50
Platte County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Platte County	UPN	350042 Fiber	6 above 200/50
Platte County	United Fiber	150327 Fiber	6 above 200/50
Platte County	VERIZON	131425 Fixed Wireless	6 above 200/50
Platte County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
r actio County	moper for , LLO	Polk County	above 100/20 below 200/30
Polk County	AT&T Inc	130077 DSL	2 above 10/1 below 25/3
Polk County	Brightspeed	470022 DSL	4 above 50/10 below 100/20
Polk County	Fastwyre Broadband	131226 Cable Modem	2 above 10/1 below 25/3
Polk County	Sho-Me Technologies, LLC	330067 Fiber	6 above 200/50
Polk County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Polk County	Total HighSpeed Internet Solutions	260056 Fiber	6 above 200/50
Polk County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Polk County	WON Communications LLC	400056 Fixed Wireless	6 above 200/50
Polk County	Windstream Missouri, Inc.	131413 Fiber	6 above 200/50
Polk County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
		Pulaski County	
Pulaski County	Brightspeed	470022 Fiber	6 above 200/50
Pulaski County	Cable America	130183 Cable Modem	6 above 200/50
Pulaski County	GTECH Fiber LLC	450051 Fiber	6 above 200/50
Pulaski County	Sho-Me Technologies, LLC	330067 Fiber	6 above 200/50
•	- · · · · · · · · · · · · · · · · · · ·		
Pulaski County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Pulaski County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Pulaski County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Pulaski County	Windstream Missouri, Inc.	131413 Fiber	6 above 200/50
i didditi odditty	145	400470 Fire d Minds	5 above 100/20 below 200/50
Pulaski County	Wisper ISP, LLC	430176 Fixed Wireless	3 above 100/20 below 200/30
•	Wisper ISP, LLC	Putnam County	
Pulaski County	Grand River Mutual Telephone Corporation		6 above 200/50
•		Putnam County	

Putnam County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
D 0	47071	Ralls County	
Ralls County	AT&T Inc	130077 DSL	2 above 10/1 below 25/3
Ralls County	Bluebird Network LLC	300002 Fiber	6 above 200/50
Ralls County	Brightspeed	470022 DSL	3 above 25/3 below 50/10
Ralls County	Chariton Valley Communication Corporation	130234 Fiber	6 above 200/50
Ralls County	Charter Communications Inc	130235 Fiber	6 above 200/50
Ralls County	Consolidated Communications, Fidium	130335 DSL	6 above 200/50
Ralls County	Mark Twain Communications Company	130781 Fixed Wireless	4 above 50/10 below 100/20
Ralls County	OREGON TELEPHONE CORPORATION	130986 Fiber	6 above 200/50
Ralls County	Ralls Technologies, L.L.C.	160146 Fiber	6 above 200/50
Ralls County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Ralls County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Ralls County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Ralls County	Windstream Missouri, Inc.	131413 Fiber	6 above 200/50
·		Randolph County	
Randolph County	AT&T Inc	130077 DSL	2 above 10/1 below 25/3
Randolph County	Air Link Rural Broadband, LLC	280004 Fiber	5 above 100/20 below 200/50
Randolph County	Bluebird Network LLC	300002 Fiber	6 above 200/50
Randolph County	Brightspeed	470022 DSL	4 above 50/10 below 100/20
Randolph County	Chariton Valley Communication Corporation	130234 Fiber	6 above 200/50
Randolph County	Chariton Valley Telephone Corporation	130234 Fiber	6 above 200/50
Randolph County	Charter Communications Inc	130235 Fiber	5 above 100/20 below 200/50
Randolph County	PHYNX	130697 Fiber	6 above 200/50
Randolph County	Socket Telecom, LLC	150316 Fiber	6 above 200/50
Randolph County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Randolph County		130403 Fixed Wireless 131310 Fixed Wireless	3 above 25/3 below 50/10
	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless 131425 Fixed Wireless	
Randolph County	VERIZON		3 above 25/3 below 50/10
Pay County	ATVT Inc	Ray County	2 above 10/1 below 25/3
Ray County	AT&T Inc	130077 DSL	
Ray County	Bluebird Network LLC	300002 Fiber	6 above 200/50
Ray County	Brightspeed	470022 DSL	4 above 50/10 below 100/20
Ray County	Consolidated Communications	130335 DSL	4 above 50/10 below 100/20
Ray County	Grand River Mutual Telephone Corporation	130560 Fiber	6 above 200/50
Ray County	Green Hills Technologies	130263 Fiber	6 above 200/50
Ray County	Intercept Wireless; Intercept Fiber	340036 Fixed Wireless	3 above 25/3 below 50/10
Ray County	MCC Missouri LLC	130804 Cable Modem	6 above 200/50
Ray County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Ray County	TurboNet	410151 Fiber	5 above 100/20 below 200/50
Ray County	UPN	350042 Fiber	6 above 200/50
Ray County	United Fiber	150327 Fiber	6 above 200/50
Ray County	VERIZON	131425 Fixed Wireless	4 above 50/10 below 100/20
Ray County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
,,		Reynolds County	
Reynolds County	BOYCOM CABLEVISION INC.	190059 Cable Modem	5 above 100/20 below 200/50
Reynolds County	Brightspeed	470022 Fiber	4 above 50/10 below 100/20
Reynolds County	McCormack Networks	130449 Fiber	6 above 200/50
Reynolds County	T-Mobile US	130403 Fixed Wireless	3 above 25/3 below 50/10
Reynolds County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Reynolds County	Windstream Missouri, Inc.	131413 Fiber	6 above 200/50
reynolds county	Windowall Wildowill, Illo.	Ripley County	above 200/00
Ripley County	BOYCOM CABLEVISION INC.	190059 Cable Modem	6 above 200/50
Ripley County	Sho-Me Technologies, LLC	330067 Fiber	6 above 200/50
Ripley County	T-Mobile US	130403 Fixed Wireless	1 below 10/1
	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Ripley County Ripley County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Ripley County	Windstream Missouri, Inc.	131413 Fiber Saline County	6 above 200/50
Saline County	AT&T Inc	130077 DSL	5 above 100/20 below 200/50
,			
Saline County	Air Link Rural Broadband, LLC	280004 Fiber	6 above 200/50
Saline County	Bluebird Network LLC	300002 Fiber	6 above 200/50
Saline County	Brightspeed	470022 Fiber	4 above 50/10 below 100/20
Saline County	Citizens Cablevision Inc	130263 Cable Modem	5 above 100/20 below 200/50
Saline County	Co-Mo Connect	280017 Fiber	6 above 200/50
Saline County	Fusion Cloud Services, Inc.	360117 DSL	1 below 10/1
Saline County	Marshall Municipal Utilities	300087 Fiber	6 above 200/50
Saline County	Otelco Mid-Missouri LLC	131378 Fiber	6 above 200/50
Saline County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Saline County	TPx Communications	131386 DSL	4 above 50/10 below 100/20
Saline County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Saline County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
	Zito Media	160157 Cable Modem	5 above 100/20 below 200/50
Saline County		Schuyler County	
Saline County			
Saline County Schuyler County	CITIZENS MUTUAL TELEPHONE	130259 Fiber	6 above 200/50
	CITIZENS MUTUAL TELEPHONE Mark Twain Rural Telephone Company	130259 Fiber 130781 Fiber	6 above 200/50 6 above 200/50
Schuyler County			
Schuyler County Schuyler County	Mark Twain Rural Telephone Company	130781 Fiber	6 above 200/50
Schuyler County Schuyler County Schuyler County Schuyler County	Mark Twain Rural Telephone Company Northeast Missouri Rural Telecommunications T-Mobile US	130781 Fiber 130940 Fiber 130403 Fixed Wireless	6 above 200/50 6 above 200/50 3 above 25/3 below 50/10
Schuyler County Schuyler County Schuyler County	Mark Twain Rural Telephone Company Northeast Missouri Rural Telecommunications	130781 Fiber 130940 Fiber 130403 Fixed Wireless 131310 Fixed Wireless	6 above 200/50 6 above 200/50
Schuyler County Schuyler County Schuyler County Schuyler County Schuyler County	Mark Twain Rural Telephone Company Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION	130781 Fiber 130940 Fiber 130403 Fixed Wireless 131310 Fixed Wireless Scotland County	6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 3 above 25/3 below 50/10
Schuyler County Schuyler County Schuyler County Schuyler County Schuyler County	Mark Twain Rural Telephone Company Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION Brightspeed	130781 Fiber 130940 Fiber 130403 Fixed Wireless 131310 Fixed Wireless Scotland County 470022 DSL	6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 3 above 25/3 below 50/10
Schuyler County Schuyler County Schuyler County Schuyler County Schuyler County Scotland County Scotland County	Mark Twain Rural Telephone Company Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION Brightspeed CITIZENS MUTUAL TELEPHONE	130781 Fiber 130940 Fiber 130403 Fixed Wireless 131310 Fixed Wireless Scotland County 470022 DSL 130259 Fiber	6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 3 above 25/3 below 50/10 1 below 10/1 6 above 200/50
Schuyler County Schuyler County Schuyler County Schuyler County Schuyler County	Mark Twain Rural Telephone Company Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION Brightspeed	130781 Fiber 130940 Fiber 130403 Fixed Wireless 131310 Fixed Wireless Scotland County 470022 DSL	6 above 200/50 6 above 200/50 3 above 25/3 below 50/10 3 above 25/3 below 50/10

Scotland County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Scotland County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 100/20 below 200/30 3 above 25/3 below 50/10
Soott County	ATOT Inc	Scott County 130077 DSL	4 above 50/10 below 100/20
Scott County Scott County	AT&T Inc Big River Communications	130077 DSL 130124 DSL	1 below 10/1
Scott County	Charter Communications Inc	130235 Fiber	6 above 200/50
Scott County	GoSEMO, LLC	390101 Fiber	6 above 200/50
Scott County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Scott County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
0	5.17	Shannon County	50404 1 400400
Shannon County Shannon County	Brightspeed McCormack Networks	470022 DSL 130449 Fiber	4 above 50/10 below 100/20 5 above 100/20 below 200/50
Shannon County	Sho-Me Technologies, LLC	330067 Fiber	6 above 200/50
Shannon County	T-Mobile US	130403 Fixed Wireless	3 above 25/3 below 50/10
Shannon County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Shannon County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Shannon County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
		Shelby County	
Shelby County	Bluebird Network LLC	300002 Fiber	6 above 200/50
Shelby County	Brightspeed	470022 Fiber	4 above 50/10 below 100/20
Shelby County	Chariton Valley Communication Corporation	130234 Fiber	6 above 200/50
Shelby County	Chariton Valley Telephone Corporation Charter Communications Inc	130234 Fiber 130235 Fiber	6 above 200/50 5 above 100/20 below 200/50
Shelby County		130781 Fiber	6 above 200/50
Shelby County Shelby County	Mark Twain Communications Company Mark Twain Rural Telephone Company	130781 Fiber	6 above 200/50
Shelby County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Shelby County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Shelby County	VERIZON	131425 Fixed Wireless	4 above 50/10 below 100/20
		St. Charles County	
St. Charles County	AT&T Inc	130077 Fiber	6 above 200/50
St. Charles County	Bluebird Network LLC	300002 Fiber	6 above 200/50
St. Charles County	Brightspeed	470022 Fiber	6 above 200/50
St. Charles County	Cable America	130183 Cable Modem	6 above 200/50
St. Charles County	Charter Communications Inc	130235 Fiber	6 above 200/50
St. Charles County	Consolidated Communications, Fidium	130335 DSL	6 above 200/50
St. Charles County	Gateway Fiber	420048 Fiber	6 above 200/50
St. Charles County	OREGON TELEPHONE CORPORATION	130986 Fiber 130370 Cable Modem	6 above 200/50
St. Charles County	Optimum Socket Telecom, LLC	150370 Cable Modern	5 above 100/20 below 200/50 6 above 200/50
St. Charles County St. Charles County	Socket Telecom, LLC T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
St. Charles County	VERIZON	131425 Fixed Wireless	6 above 200/50
St. Charles County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 200/30 5 above 100/20 below 200/50
St. Charles County	i3 Broadband	350085 Fiber	6 above 200/50
•		St. Clair County	
St. Clair County	Brightspeed	470022 Fiber	1 below 10/1
St. Clair County	Conexon Connect LLC	430114 Fiber	6 above 200/50
St. Clair County	K-PowerNet LLC	460048 Fiber	6 above 200/50
St. Clair County	MCC Missouri LLC	130804 Cable Modem	6 above 200/50
St. Clair County	T-Mobile US	130403 Fixed Wireless	1 below 10/1
St. Clair County	VERIZON	131425 Fixed Wireless 430176 Fixed Wireless	3 above 25/3 below 50/10
St. Clair County	Wisper ISP, LLC	St. Francois County	5 above 100/20 below 200/50
St. Francois County	AT&T Inc	130077 Fiber	6 above 200/50
St. Francois County	Aptitude Internet LLC	320007 Fiber	6 above 200/50
St. Francois County	Big River Communications	130124 DSL	1 below 10/1
St. Francois County	Brightspeed	470022 DSL	2 above 10/1 below 25/3
St. Francois County	Charter Communications Inc	130235 Fiber	6 above 200/50
St. Francois County	Consolidated Communications, Fidium	130335 DSL	6 above 200/50
St. Francois County	Sho-Me Technologies, LLC	330067 Fiber	6 above 200/50
St. Francois County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
St. Francois County St. Francois County	VERIZON Wisper ISP, LLC	131425 Fixed Wireless 430176 Fixed Wireless	3 above 25/3 below 50/10 5 above 100/20 below 200/50
St. Flancois County	Wisper ISF, LLO	St. Louis County	3 above 100/20 below 200/30
St. Louis County	AT&T Inc	130077 Fiber	6 above 200/50
St. Louis County	Big River Communications	130124 DSL	2 above 10/1 below 25/3
St. Louis County	Bluebird Network LLC	300002 Fiber	6 above 200/50
St. Louis County	Cable America	130183 Cable Modem	6 above 200/50
St. Louis County	Charter Communications Inc	130235 Fiber	6 above 200/50
St. Louis County	Consolidated Communications, Fidium	130335 DSL	6 above 200/50
St. Louis County	Fusion Cloud Services, Inc.	360117 DSL	1 below 10/1
St. Louis County	Optimum	130370 Cable Modem	5 above 100/20 below 200/50
St. Louis County	Socket Telecom, LLC	150316 Fiber	6 above 200/50
St. Louis County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
St. Louis County	TPx Communications	131386 DSL	6 above 200/50
St. Louis County	UPN VERIZON	350042 Fiber	6 above 200/50
St. Louis County	VERIZON Voyant Communications	131425 Fixed Wireless	6 above 200/50 2 above 10/1 below 25/3
St. Louis County St. Louis County	Voyant Communications Wisper ISP, LLC	310026 Fiber 430176 Fixed Wireless	5 above 10/1 below 25/3
St. Louis County St. Louis County	Xfinity	130317 Fixed Wireless	5 above 100/20 below 200/50 5 above 100/20 below 200/50
St. Louis County	ZAYO GROUP, LLC	130982 Fiber	5 above 100/20 below 200/50
St. Louis County	i3 Broadband	350085 Fiber	6 above 200/50
		St. Louis city	
St. Louis city	AT&T Inc	130077 Fiber	6 above 200/50

St. Louis city	Bluebird Network LLC	300002	Fiber	ϵ	above 200/50
St. Louis city	Charter Communications Inc	130235	Fiber	ϵ	above 200/50
St. Louis city	Cogent Communication	200014	Fiber	ϵ	above 200/50
St. Louis city	Consolidated Communications, Fidium	130335	DSL	ϵ	above 200/50
St. Louis city	Crown Castle Fiber LLC	400092	Fiber	1	below 10/1
St. Louis city	Fusion Cloud Services, Inc.	360117			below 10/1
St. Louis city	S-Net Communications	230042			above 200/50
St. Louis city	Stratus Networks, Inc.	300150	Fiber	ϵ	above 200/50
St. Louis city	T-Mobile US	130403	Fixed Wireless	5	above 100/20 below 200/50
St. Louis city	TPx Communications	131386	DSL	ϵ	above 200/50
St. Louis city	VERIZON		Fixed Wireless		above 200/50
St. Louis city	Wisper ISP, LLC		Fixed Wireless	5	above 100/20 below 200/50
		Ste. Genevieve County			
Ste. Genevieve County	AT&T Inc	130077			above 200/50
Ste. Genevieve County	Aptitude Internet LLC	320007		6	
Ste. Genevieve County	Big River Communications	130124	DSL	2	
Ste. Genevieve County	Charter Communications Inc	130235		6	
Ste. Genevieve County	Lightwave Communications Ilc	390065	Fiber		above 200/50
Ste. Genevieve County	T-Mobile US	130403	Fixed Wireless		above 100/20 below 200/50
Ste. Genevieve County	VERIZON		Fixed Wireless		above 50/10 below 100/20
Ste. Genevieve County	Wisper ISP, LLC		Fixed Wireless	5	above 100/20 below 200/50
		Stoddard County			
Stoddard County	AT&T Inc	130077			above 10/1 below 25/3
Stoddard County	BPS Telephone Company	130492			above 200/50
Stoddard County	Charter Communications Inc	130235			above 100/20 below 200/50
Stoddard County	FDF Communications	130492			above 200/50
Stoddard County	GoSEMO, LLC	390101			above 200/50
Stoddard County	Sparklight	130183	Cable Modem		above 200/50
Stoddard County	T-Mobile US	130403	Fixed Wireless	5	above 100/20 below 200/50
Stoddard County	VERIZON	131425	Fixed Wireless	3	above 25/3 below 50/10
		Stone County			
Stone County	AT&T Inc	130077			above 200/50
Stone County	Brightspeed	470022	Fiber	ϵ	above 200/50
Stone County	K-PowerNet LLC	460048	Fiber	6	above 200/50
Stone County	MCC Missouri LLC	130804	Cable Modem	6	above 200/50
Stone County	Optimum	130370	Cable Modem	5	above 100/20 below 200/50
Stone County	Sho-Me Technologies, LLC	330067	Fiber	ϵ	above 200/50
Stone County	T-Mobile US	130403	Fixed Wireless	5	above 100/20 below 200/50
Stone County	Total HighSpeed Internet Solutions	260056	Fiber	ϵ	above 200/50
Stone County	UNITED STATES CELLULAR CORPORATION	131310	Fixed Wireless	3	above 25/3 below 50/10
Stone County	VERIZON	131425	Fixed Wireless	9	above 25/3 below 50/10
		101720	I IXCU VVIICICOS	_	
Stone County	Wisper ISP, LLC		Fixed Wireless		above 100/20 below 200/50
Stone County	Wisper ISP, LLC	430176 Sullivan County	Fixed Wireless	5	
Stone County Sullivan County	Bluebird Network LLC	430176	Fixed Wireless		above 200/50
		430176 Sullivan County	Fixed Wireless Fiber		
Sullivan County	Bluebird Network LLC	430176 Sullivan County 300002	Fixed Wireless Fiber Fiber	6	above 200/50
Sullivan County Sullivan County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US	430176 Sullivan County 300002 130560 130940 130403	Fixed Wireless Fiber Fiber Fiber Fixed Wireless	6 6 6	above 200/50 above 200/50 above 200/50 above 200/50 above 100/20 below 200/50
Sullivan County Sullivan County Sullivan County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications	430176 Sullivan County 300002 130560 130940 130403	Fixed Wireless Fiber Fiber Fiber	6 6 6	above 200/50 above 200/50 above 200/50
Sullivan County Sullivan County Sullivan County Sullivan County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US	430176 Sullivan County 300002 130560 130940 130403 131310	Fixed Wireless Fiber Fiber Fiber Fixed Wireless	6 6 6 5	above 200/50 above 200/50 above 200/50 above 200/50 above 100/20 below 200/50
Sullivan County Sullivan County Sullivan County Sullivan County Sullivan County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION	430176 Sullivan County 300002 130560 130940 130403 131310	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless	5 6 6 5 3	above 200/50 above 200/50 above 200/50 above 100/20 below 200/50 above 25/3 below 50/10
Sullivan County Sullivan County Sullivan County Sullivan County Sullivan County Sullivan County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc.	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County	Fixed Wireless Fiber Fiber Fixed Wireless	6 6 5 3	above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50
Sullivan County Sullivan County Sullivan County Sullivan County Sullivan County Sullivan County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022	Fiber Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fiber Fiber	6 6 8 3 3	above 200/50 above 200/50 above 200/50 above 100/20 below 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50
Sullivan County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc.	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County	Fiber Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fiber Fiber	6 6 8 3 3	above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50
Sullivan County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fiber Fiber DSL	6 6 5 3 3 6	above 200/50 above 200/50 above 200/50 above 100/20 below 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50
Sullivan County Taney County Taney County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fiber Fiber DSL	5 6 6 5 3 3 6	above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50 above 200/50
Sullivan County Taney County Taney County Taney County Taney County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Fiber Fiber DSL Fiber	5 6 6 5 3 3 6 6 6 6 6 6	above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 200/50
Sullivan County Taney County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067	Fiber Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fiber Fiber DSL Fiber Cable Modem Cable Modem Fiber	6 6 6 7 7 7 8 8 8 8 8 8 8 8	above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50
Sullivan County Taney County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130807 330067 130403	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fiber Fiber Cable Modem Cable Modem Fiber Fixed Wireless	5 6 6 7 7 8 8 8 8 8	above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50 above 100/20 below 200/50 above 100/20 below 200/50
Sullivan County Taney County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fiber DSL Fiber Cable Modem Cable Modem Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless	6 6 6 7 7 8 8 8 8 8 8 8 8	a above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50
Sullivan County Taney County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425	Fiber Wireless Fixed Wireless Fixed Wireless Fixed Wireless	66	above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10
Sullivan County Taney County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fiber DSL Fiber Cable Modem Cable Modem Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless	66	a above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50
Sullivan County Taney County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130804 130370 330067 130403 131310 131425 430176 Texas County	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fiber Fiber DSL Fiber Cable Modem Cable Modem Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless	6 6 6 7 7 8 8 8 8 8 8 8 8	above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 200/50 above 25/3 below 50/10 above 200/50 above 25/3 below 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10
Sullivan County Taney County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fiber DSL Fiber Cable Modem Cable Modem Fiber Fixed Wireless	6 6 6 7 7 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	a above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 50/10 below 200/50
Sullivan County Taney County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County 470022 130183	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fiber DSL Fiber Cable Modem Cable Modem Fiber Fixed Wireless	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50 above 100/20 below 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 100/20 below 200/50 above 20/50
Sullivan County Taney County Texas County Texas County Texas County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County 470022 130183 130804	Fiber Cable Modem Fiber Fixed Wireless DSL Cable Modem Cable Modem		above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50 above 200/50
Sullivan County Taney County Texas County Texas County Texas County Texas County Texas County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed Cable America	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County 470022 130183	Fiber Cable Modem Fiber Fixed Wireless DSL Cable Modem Cable Modem	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 200/50
Sullivan County Taney County Texas County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed Cable America MCC Missouri LLC Sho-Me Technologies, LLC T-Mobile US	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County 470022 130183 130804 330067	Fiber Cable Modem Fiber Fixed Wireless DSL Cable Modem Cable Modem	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	a above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 200/50
Sullivan County Taney County Texas County Texas County Texas County Texas County Texas County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed Cable America MCC Missouri LLC Sho-Me Technologies, LLC	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County 470022 130183 130804 330067 130403 131310	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fiber Cable Modem Cable Modem Fiber Fixed Wireless	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 200/50
Sullivan County Taney County Texas County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed Cable America MCC Missouri LLC Sho-Me Technologies, LLC T-Mobile US	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County 470022 130183 130804 330067 130403 131310	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fiber Fiber Cable Modem Cable Modem Fiber Fixed Wireless DSL Cable Modem Cable Modem Fiber Fixed Wireless	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	a above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 200/50
Sullivan County Taney County Texas County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed Cable America MCC Missouri LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County 470022 130183 130804 330067 130403 131310 131425	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fiber Cable Modem Cable Modem Fiber Fixed Wireless	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 200/50 above 25/3 below 50/10
Sullivan County Taney County Texas County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed Cable America MCC Missouri LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County 470022 130183 130804 330067 130403 131310 131425 430176 Vemon County	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fiber Fiber Cable Modem Cable Modem Fiber Fixed Wireless	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50
Sullivan County Taney County Texas County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed Cable America MCC Missouri LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc	430176 Sullivan County 300002 130560 130940 130403 1313101 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County 470022 130183 130804 330067 130403 131310 131425 430176 Vemon County	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fiber Cable Modem Cable Modem Fiber Fixed Wireless	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 200/50 above 25/3 below 50/10 above 200/50
Sullivan County Taney County Texas County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed Cable America MCC Missouri LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County 470022 130183 130804 330067 130403 131310 131425 430176 Vemon County	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fiber Cable Modem Cable Modem Fiber Fixed Wireless	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50
Sullivan County Taney County Texas County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed Cable America MCC Missouri LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc	430176 Sullivan County 300002 130560 130940 130403 1313101 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County 470022 130183 130804 330067 130403 131310 131425 430176 Vemon County	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fiber Fiber Cable Modem Cable Modem Fiber Fixed Wireless		above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 200/50 above 25/3 below 50/10 above 200/50
Sullivan County Taney County Texas County Vermon County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed Cable America MCC Missouri LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed Cable America MCC Missouri LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County 470022 130183 130804 330067 130403 131310 131425 430176 Vemon County 130077 300002	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fiber Fiber Cable Modem Cable Modem Fiber Fixed Wireless	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	above 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 200/50 above 25/3 below 50/10 above 20/50
Sullivan County Taney County Texas County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed Cable America MCC Missouri LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County 470022 130183 130804 330067 130403 131310 131425 430176 Vemon County 130077 300002 470022	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fiber Fiber Cable Modem Cable Modem Fiber Fixed Wireless Fixed Wirele		above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 200/50 above 25/3 below 50/10 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50 above 25/3 below 50/10 above 200/50 above 100/20 below 200/50
Sullivan County Taney County Texas County Vemon County Vemon County Vemon County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed Cable America MCC Missouri LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Conexon Connect LLC	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County 470022 130183 130804 330067 130403 131310 131425 430176 Vemon County 130077 300002 470022 430114	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fiber Cable Modem Cable Modem Fiber Fixed Wireless Fix		i above 200/50 i above 25/3 below 50/10 i above 25/3 below 50/10 i above 200/50 i above 25/3 below 50/10 i above 25/3 below 50/10 i above 200/50 i above 25/3 below 50/10 i above 50/10 below 200/50 i above 50/10 below 100/20
Sullivan County Taney County Texas County Vemon County Vemon County Vemon County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed Cable America MCC Missouri LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Conexon Connect LLC Craw Kan Telephone Cooperative Inc	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County 470022 130183 130804 330067 130403 131310 131425 430176 Vemon County 130077 300002 470022 430114 130364 131226	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fiber Cable Modem Cable Modem Fiber Fixed Wireless Fix		above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 200/50 above 100/20 below 200/50 above 200/50 above 200/50 above 200/50 above 200/50 above 50/10 below 100/20 above 50/10 below 100/20 above 50/10 below 100/20 above 50/10 below 100/20 above 200/50 above 200/50
Sullivan County Taney County Texas C	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed Cable America MCC Missouri LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Conexon Connect LLC Craw Kan Telephone Cooperative Inc Fastwyre Broadband	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County 470022 130183 130804 330067 130403 131310 131425 430176 Vemon County 130077 300002 470022 430114 130364 131226	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fiber Cable Modem Cable Modem Fiber Fixed Wireless Fix	5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 200/50
Sullivan County Taney County Texas C	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed Cable America MCC Missouri LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Conexon Connect LLC Craw Kan Telephone Cooperative Inc Fastwyre Broadband Fidelity	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County 470022 130183 130804 330067 130403 131310 131425 430176 Vemon County 130077 300002 470022 430114 130364 131226 130183 240060	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fiber Cable Modem Cable Modem Fiber Fixed Wireless Fix		above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 200/50 above 25/3 below 50/10 above 200/50 above 25/3 below 50/10 above 200/50
Sullivan County Taney County Texas County Vemon County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed Cable America MCC Missouri LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Conexon Connect LLC Craw Kan Telephone Cooperative Inc Fastwyre Broadband Fidelity MISSOURI TELECOM	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County 470022 130183 130804 330067 130403 131310 131425 430176 Vemon County 130077 300002 470022 430114 130364 131266 130183 240060 130403	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fiber Fiber Cable Modem Cable Modem Fiber Fixed Wireless Fixed Wirele		a above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 200/50 above 25/3 below 50/10 above 200/50
Sullivan County Taney County Texas County Vemon County	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed Cable America MCC Missouri LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Conexon Connect LLC Craw Kan Telephone Cooperative Inc Fastwyre Broadband Fidelity MISSOURI TELECOM T-Mobile US	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County 470022 130183 130804 330067 130403 131310 131425 430176 Vemon County 130077 300002 470022 430114 130364 13126 130183 240060 130403 131425	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fiber Cable Modem Cable Modem Fiber Fixed Wireless DSL Fiber DSL Fiber DSL Cable Modem Fiber DSL Cable Modem Fiber Fixed Wireless		above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 200/50 above 100/20 below 200/50 above 25/3 below 50/10 above 200/50
Sullivan County Taney County Texas County Texa	Bluebird Network LLC Grand River Mutual Telephone Corporation Northeast Missouri Rural Telecommunications T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Windstream Missouri, Inc. Brightspeed Consolidated Communications, Fidium K-PowerNet LLC MCC Missouri LLC Optimum Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC Brightspeed Cable America MCC Missouri LLC Sho-Me Technologies, LLC T-Mobile US UNITED STATES CELLULAR CORPORATION VERIZON Wisper ISP, LLC AT&T Inc Bluebird Network LLC Brightspeed Conexon Connect LLC Craw Kan Telephone Cooperative Inc Fastwyre Broadband Fidelity MISSOURI TELECOM T-Mobile US VERIZON	430176 Sullivan County 300002 130560 130940 130403 131310 131425 131413 Taney County 470022 130335 460048 130804 130370 330067 130403 131310 131425 430176 Texas County 470022 130183 130804 330067 130403 131310 131425 430176 Vemon County 130077 300002 470022 430114 130364 13126 130183 240060 130403 131425	Fixed Wireless Fiber Fiber Fixed Wireless Fixed Wireless Fixed Wireless Fixed Wireless Fiber Fiber Cable Modem Cable Modem Fiber Fixed Wireless		above 200/50 above 200/50 above 200/50 above 200/50 above 25/3 below 50/10 above 200/50 above 25/3 below 50/10 above 25/3 below 50/10 above 25/3 below 50/10

Warren County	Bluebird Network LLC	300002 Fiber	6 above 200/50
Warren County	Brightspeed	470022 Fiber	6 above 200/50
Warren County	Cable America	130183 Cable Modem	6 above 200/50
Warren County	Callabyte	340012 Fiber	6 above 200/50
Warren County	Charter Communications Inc	130235 Fiber	6 above 200/50
Warren County	Consolidated Communications, Fidium	130335 DSL	6 above 200/50
Warren County	Gateway Fiber	420048 Fiber	6 above 200/50
Warren County	Kingdom Telephone Co	130697 Fiber	6 above 200/50
Warren County	Socket Telecom, LLC	150316 Fiber	6 above 200/50
Warren County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Warren County	UPN	350042 Fiber	6 above 200/50
Warren County	VERIZON	131425 Fixed Wireless	4 above 50/10 below 100/20
Warren County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
	· · · · · ·	Washington County	
Washington County	AT&T Inc	130077 DSL	2 above 10/1 below 25/3
Washington County	BlueBit Networks	350017 Fixed Wireless	4 above 50/10 below 100/20
Washington County	Brightspeed	470022 Fiber	4 above 50/10 below 100/20
Washington County	Charter Communications Inc	130235 Cable Modem	5 above 100/20 below 200/50
Washington County	Fidelity Telephone LLC	130183 DSL	3 above 25/3 below 50/10
Washington County	Steelville Telephone Exchange, Inc.	131260 DSL	3 above 25/3 below 50/10
Washington County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Washington County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
Washington County	yondoo Broadband, LLC	390157 Fiber	6 above 200/50
washington county	yondoo bidadband, EEO	Wayne County	0 above 200/30
Wayne County	AT&T Inc	130077 DSL	2 above 10/1 below 25/3
Wayne County	BOYCOM CABLEVISION INC.	190059 Cable Modem	6 above 200/50
Wayne County	McCormack Networks	130449 Fiber	5 above 100/20 below 200/50
Wayne County	T-Mobile US	130443 Fixed Wireless	1 below 10/1
Wayne County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
		131425 Fixed Wileless 131413 Fiber	6 above 200/50
Wayne County	Windstream Missouri, Inc.	Webster County	6 above 200/50
Webster County	AT&T Inc	130077 Fiber	6 above 200/50
		470022 Fiber	4 above 50/10 below 100/20
Webster County	Brightspeed		
Webster County	MCC Missouri LLC	130804 Cable Modem	6 above 200/50
Webster County	Sho-Me Technologies, LLC	330067 Fiber	6 above 200/50
Webster County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Webster County	Total HighSpeed Internet Solutions	260056 Fiber	6 above 200/50
Webster County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Webster County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Webster County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
		Worth County	
Worth County	Grand River Mutual Telephone Corporation	130560 Fiber	6 above 200/50
Worth County	T-Mobile US	130403 Fixed Wireless	3 above 25/3 below 50/10
Worth County	United Fiber	150327 Fiber	6 above 200/50
Worth County	Windstream Missouri, Inc.	131413 DSL	6 above 200/50
		Wright County	
Wright County	Brightspeed	470022 DSL	4 above 50/10 below 100/20
Wright County	Cable America	130183 Cable Modem	6 above 200/50
Wright County	MCC Missouri LLC	130804 Cable Modem	6 above 200/50
Wright County	Ridgetop Networks, LLC	250066 DSL	5 above 100/20 below 200/50
Wright County	Sho-Me Technologies, LLC	330067 Fiber	6 above 200/50
Wright County	Steelville Telephone Exchange, Inc.	131260 Fiber	6 above 200/50
Wright County	T-Mobile US	130403 Fixed Wireless	5 above 100/20 below 200/50
Wright County	UNITED STATES CELLULAR CORPORATION	131310 Fixed Wireless	3 above 25/3 below 50/10
Wright County	VERIZON	131425 Fixed Wireless	3 above 25/3 below 50/10
Wright County	Wisper ISP, LLC	430176 Fixed Wireless	5 above 100/20 below 200/50
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