



INFORMATION & IMPACT

2021-2022

MOREnet 

MISSION

MOREnet serves our member organizations as a **trusted partner**. We explore and provide technology solutions that enable **innovation** and **opportunity**, creating a **higher quality of life** for all Missourians.

VISION

MOREnet will actively research **emerging technologies** and drive the innovative application of **connectivity** and **information technology** for the **benefit of our consortium members** and those whom they serve.

MESSAGE FROM OUR EXECUTIVE DIRECTOR

Impact. Call it impression, effect, influence, or touch. We are humbled by the way you continue to invite us into your organizations to help you and your teams create impact for your users.

For the past 30 years, in your own way, each of you, our valued members, have helped MOREnet to shape, adjust, align, and grow; whether through pressing us to identify the latest and greatest technologies to meet your emerging challenges, or through finding creative uses of technology implementation and integration into your environment helping us all look around the corner a bit better. We are here for you and because of you and, we are committed to continuing to provide the value, quality service and support resources that you rely upon.

We hope you enjoy this report, which is intended to provide a brief but informative glimpse back on how MOREnet has worked with you over the last year and more; you might consider these our collaborative results as a consortium. While we can all appreciate the unusual times we've come to embrace as a new normal over the last year and more, this period has been full of challenges, new opportunities and creative solutions found together. We have been honored to continue our support and assistance to meet you where you needed us to be during this time.

Thank you for your continued membership and for the trust you place in our team of experts. We are excited about the future of your consortium and look forward to continuing to help you and your teams create meaningful impact.



With appreciation,

A handwritten signature in black ink that reads "Natasha Angell". The signature is fluid and cursive, with a horizontal line underneath the name.

Natasha Angell
Executive Director
MOREnet

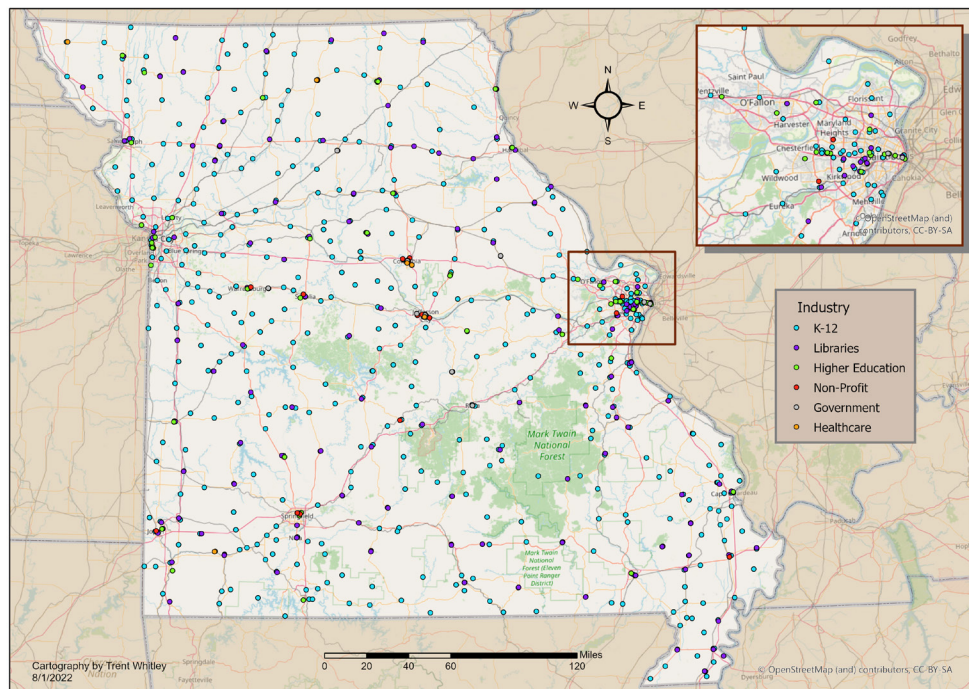
WHO WE ARE

Missouri Research and Education Network (MOREnet) provides Internet connectivity, technical services, resources, and support, as well as technical training to more than 700 of Missouri's public sector entities, including K-12 schools, colleges and universities, public libraries, health care, government, and nonprofit organizations.

MOREnet was one of the nation's first research and education networks, leading the way in technology and organizational collaboration since 1991. The idea for the network stemmed from the desire for 13 public colleges and universities to link together to connect to the Internet.

Still today, the MOREnet network, the foundation infrastructure that connects our anchor institutions to the Internet, is our core line of business. Our robust, statewide fiber backbone and network access is routinely and continually enhanced to ensure our connected members can perform all connected activities seamlessly.

Beyond the network, members rely on us for so much more than connectivity. They have ready access to our team of technology experts, as well as each other and their constituents via data, video services and events. As the only non-profit technology partner that exists because of and for members, the priority of our consortium remains the empowerment of academia and the public good to stay relevant in a changing marketplace. As technology and connectivity have become integrated into our day-to-day operations, MOREnet continues to provide more than just a reliable connection; we research and provide tools and services that increase security, decrease management and administrative efforts and maximize usability of technology.



The data included in this report is for FY22, July 1, 2021-June 30, 2022.

NOTE FROM OUR CHAIRMAN

I have been involved with the MOREnet Consortium for over twenty years, with about half of that time serving on the Council in some capacity. As I approach retirement, serving as the Chair of the MOREnet Council has been a perfect way to wrap up this chapter.

Over the years, MOREnet has served on task forces for different state agencies, ranging from cybersecurity and business continuity to rural broadband initiatives. It was during one of those community volunteer projects that a MOREnet executive team member reminded me that network assessments were included as part of my Membership Service Package. When I began my role as Chief Information and Information Security Officer at Lincoln University, my biggest priority was refreshing failing infrastructure. The experts at MOREnet inspected our platform and made recommendations for improvement. I relied on that team to identify vendors who already had a public contract as well as assisting me with bid evaluations when replacing beyond end-of-life equipment. Within my first two years in the position, we replaced the backbone network. Our original 250 Mbps connection was one to two Gbps. Our one Gbps backbone is now a 20 Gbps backbone, and our wall jacks went from 100 Mbps to one Gbps. A few years later, I worked with MOREnet again to add redundancy to our connection.

“People notice the progress I’ve made as the CIO, but it’s the experts who work for MOREnet behind the scenes that make people in positions like mine look good.”

For all the progress that has been made in IT operations at my organization, the reality is the MOREnet experts pointed me in the right direction, and I made it happen from there. My time spent on the Council reassured me that the team at MOREnet is always working on behalf of their members. They evaluate current products and services to make them better and are always looking forward to find new ways to add value to the consortium and improve current offerings. This organization is always thinking about us- the members.

Even as a CISSP with 25 years of experience in cybersecurity, I still rely annually on MOREnet’s Cybersecurity Operations Team to assess our security landscape. I do not view it as an audit; I value the assessment as a learning tool.

“I encourage you to use MOREnet’s expertise when you don’t have the resources or cycles to do it yourself. Over the years, they have saved me so much time in researching solutions, managing the RFP process, and staff training.”

You will see some of the measurable results of the last year in the stories and figures on the next few pages. As my tenure as Chair comes to an end, I want to share my appreciation for the people of MOREnet. They cannot talk about their talent and expertise without sounding like they are bragging, but they are the best in the industry. I encourage you to get to know a few of them- whether you are exploring simpler options for virtual learning environments, want to incorporate coding into your student and patron programming or need a complete infrastructure overhaul- there is an expert at MOREnet that can provide insight and resources.



Here's to being better connected!

John Bax
CIO/ CISO Lincoln University
MOREnet 2022 Council Chair

Be better connected.

THROUGH THE INTERNET

MOREnet is still one of the nation's largest research and education networks, continuously leading the way in technology and organizational collaboration. We provide the most robust network connectivity in the state backed by unyielding, reliable service and support. With that comes the security and reliability that users of today's real-time applications and transactional business systems require.

We ensure the full, committed bandwidth speed on every circuit we manage by not oversubscribing circuits. This allows faster connectivity at lower bandwidth rates.

We provide synchronous connectivity, meaning members receive the same upload and download speeds for Internet traffic, thus providing members peace of mind knowing their applications will work properly when they need them.

We offer unsurpassed network support by proactively monitoring the network and offering additional guidance and assistance to each member's local technology staff as needed.

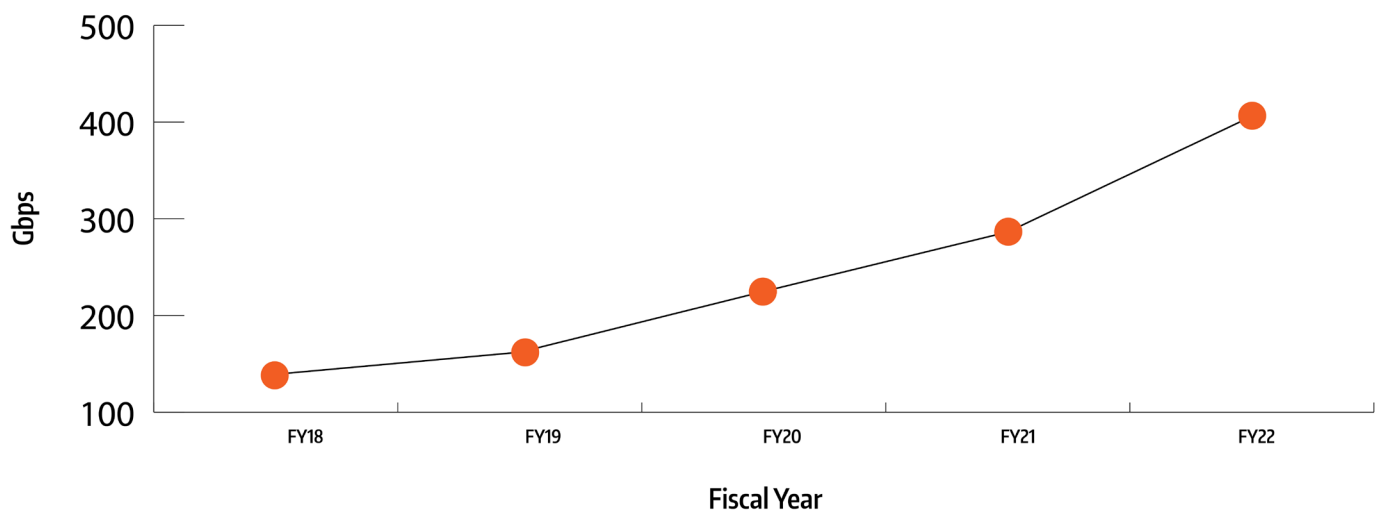
Those who are connected to the MOREnet network have access to unique network tools that allow them to see exactly how much bandwidth they use throughout the day with our Network Utilization Application. Members can also view our Backbone Use map with real-time utilization on links between MOREnet network hubs and are able to check on traffic between our core routers.

BANDWIDTH GROWTH AND MEMBER CONNECTIONS

Bandwidth capacity has grown each year as technology and connectivity have become a necessity for teaching and learning for our member consortium. Our priority will always be to deliver the high-quality services you expect with dedicated customer service in our traditional cost-recovery manner. For all connections, members purchase a bundled set of value-added services from utilization tools, cybersecurity monitoring to network support, DDoS mitigation and router management. With continued growth, MOREnet has been able to steadily and for the past three years, aggressively reduce the Network Connectivity Fee. We will continue to seek ways to drive costs down to ensure our members benefit from this valuable set of reliable services at the best possible price.

	Unit of Measurement	K-12	Higher Education	Libraries	Government	Health Care	Nonprofit	TOTAL
Member Internet Circuits	Circuits	324	53	208	7	5	8	605
Internet Circuit Bandwidth	Gigabits per Second (Gbps)	254.89	117.88	10.72	20.99	.92	.64	406.03
Member Enterprise (WAN) Circuits	Circuits	14	5	0	2	1	0	22
Enterprise (WAN) Bandwidth	Gbps	9.98	14	0	.10	1.00	0	25.08

Aggregate Connected Member Capacity



Supporting Community Network Goals

MOREnet does not own telecommunications lines; rather, we purchase these services from the private market in order to provide the best network for our members at lower costs. Because of our expansive network footprint and networking expertise, we are well-positioned to consider multiple opportunities to engage and support local community networks, leveraging our existing network and enabling greater reach and resource access for communities.

• **Connecting Community Networks**

Participating communities gain access to cost-effective connections to cloud services, proprietary networks, VoIP, and commercial security services for city and county governments and key employers.

This type of connection would allow regional ISPs and other service providers to cost-effectively connect to smaller markets including security monitoring, VoIP, and video programming. MOREnet would ideally use the resulting connections to support existing K-12, library, higher ed, and healthcare members in the community.

Certain projects allow MOREnet to acquire fiber to directly connect members, expand fiber networks to nearby communities, and control our own maintenance and operations cost models.

• **Transport Projects**

For an entity with a connection to our network, MOREnet provides transport services to city and county governments, service providers, non-profits, NGOs and MOREnet members to cost-effectively connect defined end points in our network.

• **Public/Private Partnerships (PPP)**

We welcome discussions regarding potential partnerships with other organizations to build open-access, middle-mile networks. PPP are favorable structures for pursuing federal funding by showing collaborations, different groups served, and diverse project strengths. Projects may include shared middle-mile backbone projects to new and established communities of interest.

• **Internet Exchange Points (IXP)**

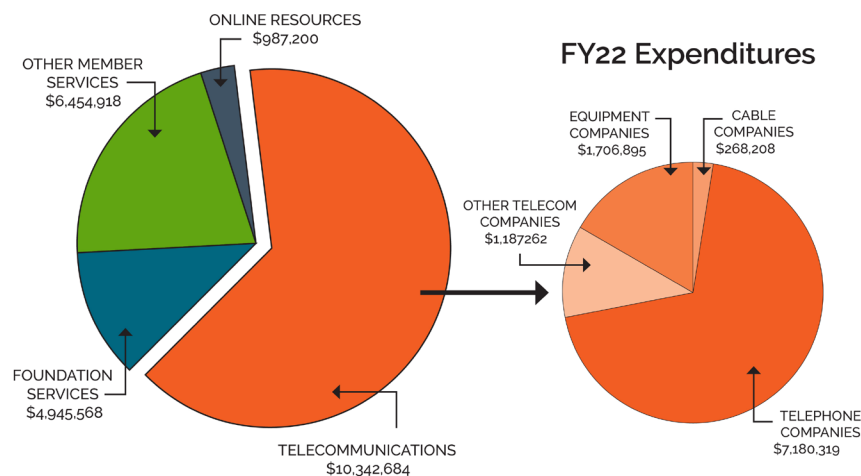
Our goal is to build fiber into unserved and underserved areas and act as the neutral party managing and monitoring non-discriminatory, open, meet-point access to everyone at the Internet exchange point. IXPs are both physical and logical points on the network with structure, diverse power, diverse connectivity, and routing and switching equipment.

In separate projects, one example may include MOREnet building from the exchange point to support existing K-12, library, higher education, and/or healthcare members in these communities. By expanding our fiber network to nearby communities we could further control our own maintenance and operations cost models.

• **Community Network Membership**

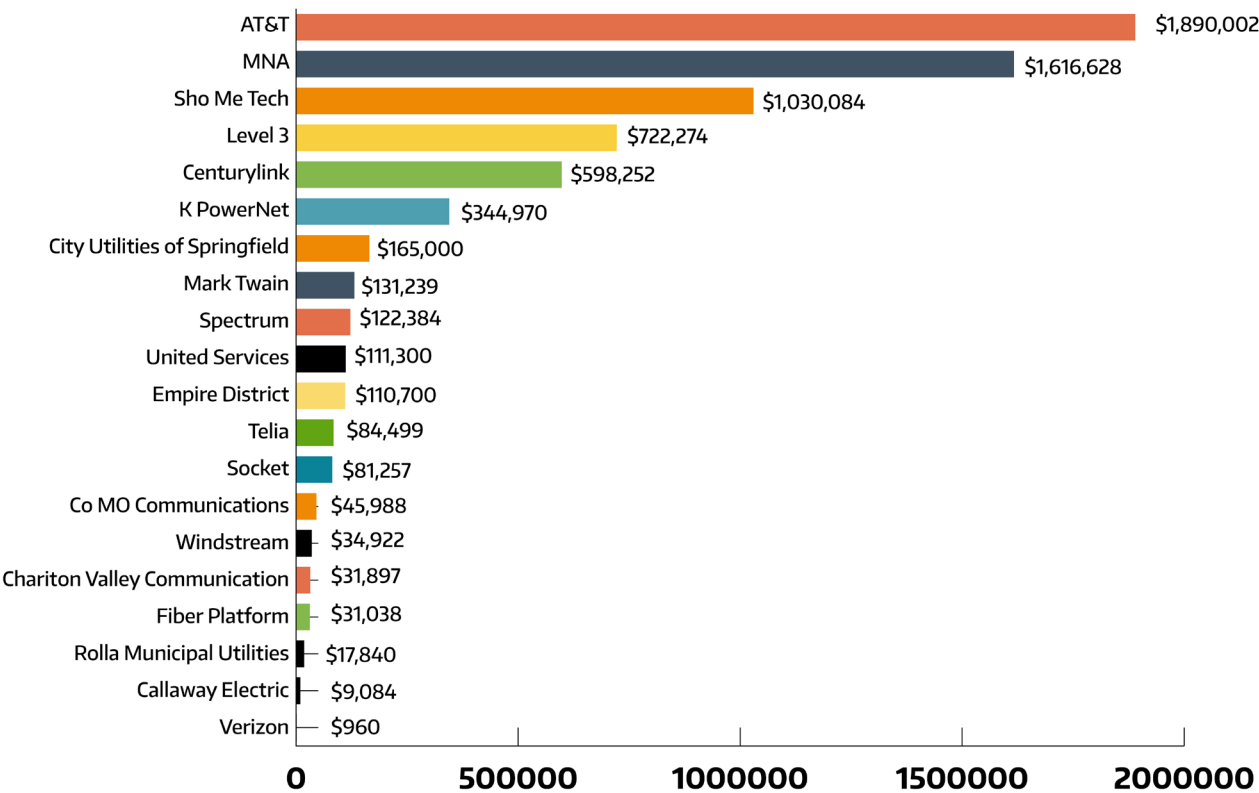
Through collaboration, we envision a future opportunity to provide new and existing MOREnet services to emerging community networks. This offering could include a subset of existing services and could add unique benefits pertinent to this constituency member group. Such services would be offered to the community network organization and not directly to the constituents they serve.

MOREnet Supports Economic Development for Telecommunication Providers



We contract with private industry for its telecommunications services. All Internet connections and telecommunications lines that connect member sites are obtained from private companies doing business in Missouri in strict compliance with the University's public procurement processes. Because all circuits are acquired through public bidding processes, companies compete, resulting in lower costs to our members.

MOREnet Expenditures to Telephone Companies



UM SYSTEM NETWORK UPGRADE

The Need:

Since 2009, the four University of Missouri campuses connected at high speeds over a dedicated enterprise or intercampus network (ICN). Business needs were changing, and the University needed to upgrade bandwidth to meet demand. The current equipment was nearing end-of-life and the replacement costs would run about \$1.9 million. Understanding the need and financial challenges, MOREnet's Network Services team partnered with University engineers to develop business requirements and a plan to upgrade their Internet access.

The Goal:

The target of 100 gigabit capacity was the key business requirement. This capacity is important to enable research initiatives happening across UM System, while supporting the unprecedented growth in online learning, the shift to more cloud services and backup for disaster recovery.

The Approach:

Instead of simply replacing old equipment, the team defined network requirements with an eye to the future. Our team proposed a solution to increase network bandwidth and performance by utilizing the current MOREnet 100 gigabit network. This allowed the University to take advantage of the existing infrastructure which is continuously upgraded to meet the ever-growing bandwidth needs of our core anchor institutions.

The Results:

The University of Missouri campuses went from 10 gigabit connections to 100 gigabit connections to better position them to support their research and business initiatives. This upgrade will eliminate a barrier to win research grants that require high bandwidth, which could potentially be a factor in recruiting top research talent.

These benefits also came with a cost savings, anticipated to be an annual IT savings of approximately 12%.



“Working with our members to find cost-effective solutions is an important part of what MOREnet does. We understand how bandwidth enables our members to meet their mission and although upgrades aren’t immediately noticed, having sufficient capacity is critical in meeting their goals.”

Hank Niederhelm, MOREnet Director of Infrastructure

Be better connected.

TO TECHNOLOGY RESOURCES

Our experts complement members' local resources, saving staff time and money as technologies and networks grow. Not only are we able to purchase, configure, monitor, and upgrade technology solutions, we also closely follow federal broadband and connectivity funding opportunities, enabling you to leverage funds you may qualify for and thus stretch your resources further.

MOREnet routinely finds synergies with organizations around the state to amplify our efforts across Missouri through various collaborations and partnerships. Most recently we have partnered with Missouri's Office of Homeland Security's Cybersecurity division to help spread awareness and protect Missouri schools, regardless of size.

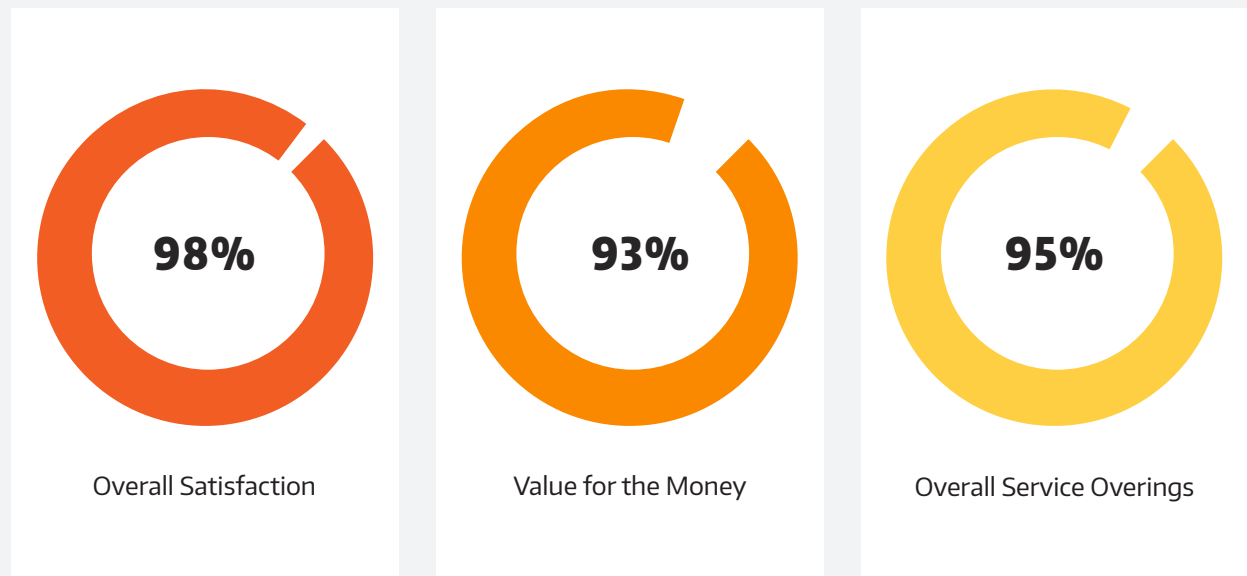
We also leverage the buying power of the entire MOREnet Consortium to offer deep discounts on products and services that members find valuable. We are always working hard to identify new resources that we can bring to our members.

Our training staff continues to identify areas in which members request additional help and training and organize a variety of training events to meet those needs.

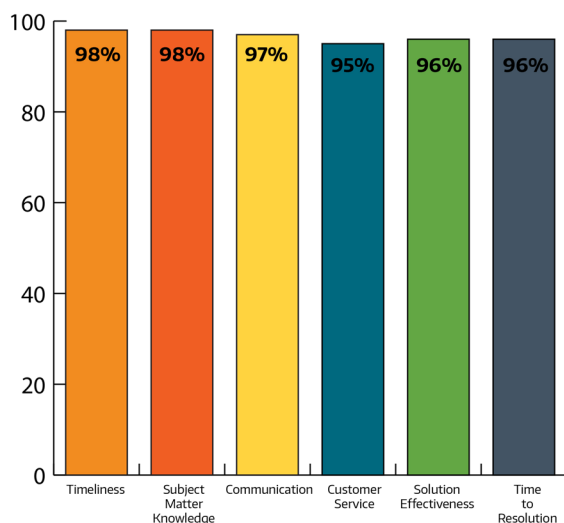
MEMBERS CONTINUE TO GIVE US “STRAIGHT As”

As a member-driven consortium, it is important to us that we touch base from time to time to ensure we are meeting your expectations of friendly, trustworthy, quality service. We use an annual member satisfaction survey to ask how we are doing and to ensure we understand the most pressing issues for you and how we might help.

We are pleased to share a few highlights from that survey, as well as the surveys triggered after help desk cases. These stats reflect the combined responses for all our member groups.



Help Desk Ticket Satisfaction Ratings



“I appreciate the reliable Internet connections provided by MOREnet, especially in our rural branches that often have network issues with other providers.”

“MOREnet’s support and help desk staff are always responsive and solve problems quickly, even when I don’t use the correct verbiage to explain our issues.”

CYBERSECURITY BOOTCAMP

The Need:

Cyber threats are increasing and ongoing, and our members require more high level and technical training opportunities. Not all malware is going to be instantly detected by standard endpoint detection or anti-virus solutions. Samples that are uncommon, or even custom-designed, will often not be in the signature files of such solutions. Our members have asked for our help developing a system to find malware in practical and low-cost ways.

The Goal:

The goal of our Cybersecurity Bootcamp was to provide a higher level of technical training to fill that demand for our members. We wanted to facilitate interaction where participants learned new concepts and take something back to their organization that is useful immediately.

The bootcamp aimed to help our members develop techniques to find malware using network threat hunting with free tools — such as RITA, Wireshark, and TCPDump — as well as basic system-side incident response and detection with tools like Sysmon, Netstat and Windows Event logging.

The Approach:

Black Hills Information Security (BHIS) provided their senior security operations analyst to conduct a two-day course on cybersecurity tools used to collect and analyze network traffic. The workshop concluded with an incident response exercise using BHIS's security game "Backdoors and breaches," where the group responded to different security events.

The class was geared toward technical professionals with basic to intermediate skills.

The Results:

More than 45 IT professionals from across the state met at the MOREnet offices to learn about cybersecurity tools from a leader in the industry. Backgrounds of the participants ranged from Network Security Coordinators, Directors of Technology, Network Administrators, Tech Directors, Application Analysts, IT Directors, Network Engineers, and Network System Administrators.

Participants offered high praise for the training and shared gratitude for the hands-on, technical nature of the workshop that allowed them to leave with a wealth of knowledge.

"I am glad to be overwhelmed with information about cybersecurity to give me an objective to shoot for when thinking about my district's needs. This class wasn't just some passing thoughts of an individual tinkering with their home network, but ideas and examples from a legitimate company in the trenches. I believe the presenter, Noah, not only knew what he was talking about, but was more than happy to share his knowledge. I will definitely take more classes like this from MOREnet. Very impressed. Thank you."

USAGE OF OUR VALUABLE RESOURCES

ONLINE RESOURCES

Member organizations have access to a wide variety of online research resources. EBSCO Explora, EBSCO ebooks, LearningExpress Library, HeritageQuest and Rosen Databases.

How our members utilize these resources

- Research with Reputable Sources
- Increase ACT/SAT Scores
- Support STEM
- Find materials by Lexile Reading Level
- Encourage Wellness

Online Resources Database	K-12	Higher Education	Libraries	Government	Health Care	Nonprofit	TOTAL
EBSCO Searches	12,577,313	83,758,427	26,074,217	-	304	53	122,410,314
EBSCO Full Text	878,884	718,645	2,675,864	-	14	12	4,273,419
Heritage Quest Searches	1,639	4,445	233,132	55	11	-	239,282
Heritage Quest Full Text	994	3,591	219,194	18	1	-	223,798
Learning Express Libraries Test	10,782	2,271	8,380	104	-	6	21,543
Rosen Digital Searches	7,610	566	3,272	326	-	-	11,774
Rosen Digital Full Text	38,632	1,630	25,671	446	-	-	66,379

PROFESSIONAL DEVELOPMENT

When technology is at the forefront of what we all do, professional development is critical to keep up with the fast-paced, ever-changing world we work in. Whether our members are sharpening skills or learning new ones, we have the professional development that will help maximize the use of the latest technology tools. Our team of dedicated trainers are SMART, Apple, Nearpod, Raspberry Pi and Google certified, and deliver the most up-to-date and convenient training possible through a variety of methods including on-site, in-house, at conferences and online.

789

total training attendees

2,688.5

total deliverable hours

489

people attended our Annual Conference, either in person or virtually for up to 4 days of learning.

Learn more about that event on page 21.



TECHNICAL TRAINING SUMMIT

CYBERSECURITY

Incident Response Plan: It's not just a piece of paper

Incident Response Tabletop Exercise

Open-Source Tools to Identify and Defend an Organization

Pivoting your Information Security Program for the New World on a Budget

SYSTEM ADMINISTRATION

Securing your Virtual Environment - 101

The Silent Scream of Every Network: The horror that is Active Directory security

Best Practices for Deploying and Managing iPads and Macs

NETWORKING

Securing the Network with SASE and Micro Segmentation

Aruba

Secure LAN Edge Wired and Wireless

The Need:

Our members often mention the need for deep-dive, hands-on, highly technical training that allows IT professionals and administrators to spend quality time learning and networking with their peers. With technology ever-changing and the threats always evolving, our members rely on us to help them stay on top of trends and updates.

The Goal:

Develop an event exclusively for technology professionals in academia and public sector to address common and emerging challenges that are most relevant. Ensure it is hands-on, interactive, and valuable for those who attend.

The Approach:

This year, each attendee was invited to choose between three tracks: Cybersecurity, System Administration and Networking. Participants could stay in the same track for the duration of the event or hop between tracks to attend the session that most appealed to them.

Each session was led by invited presenters who were proven leaders and experts, bringing new insight in their specialty area to our members. The evening social activity included building a webcam using the \$35 Raspberry Pi microcomputer. Many members discussed how they would use this device for building operations, with one using it to live-stream baseball games and another using it at a back door in a security role to identify trespassers.

The Results:

A total of 75 highly engaged members join us for two days for the deep-dive sessions. The sessions for which members rated the content and the speakers, the highest were:

- Active Directory Security
- Open-Source Tools to Defend your Organization
- Incident Response Tabletop Exercises
- Best Practices for Deploying and Managing iPads and Macs
- Securing your Virtual Environment

"I appreciated the incident response sessions at the Tech Training Summit; we are still developing our plan and the tabletop discussion will help me collaborate with my peers."

Keith Kelley
Jefferson C-123 School District

E-RATE FUNDING IN MISSOURI FIVE-YEAR OVERVIEW

On behalf of our schools and libraries, MOREnet files as a consortium for E-rate funding. Since we began filing in 1998, we have helped to bring more than \$140 million in E-rate funds to our eligible member organizations. We work to ensure our members with eligible Internet connectivity services receive the benefit of federal funding to help lower their broadband costs. Circuit pricing varies by provider, bandwidth speed and technology through which it is delivered. Based on our contracts with local providers and our ability to leverage economies of scale, we typically see improved per megabit pricing year over year.

5-YR REIMBURSEMENT

Fiscal years 2017-2021

K-12: \$22,480,111

Library: \$6,669,919

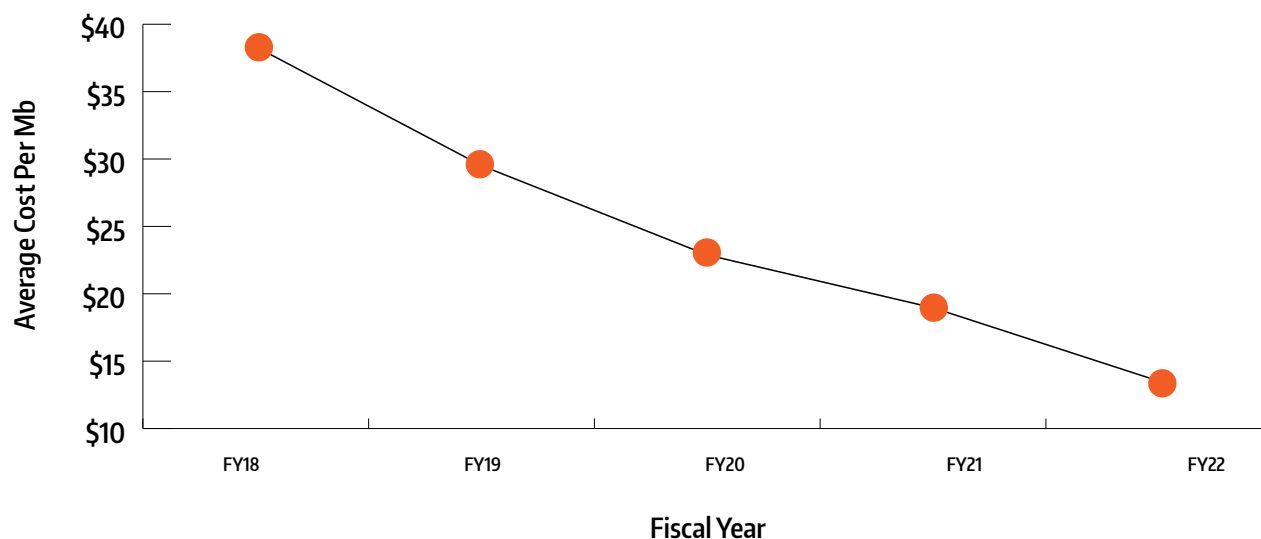
AVG. E-RATE DISCOUNT

Fiscal year 2021

K-12: 80.54%

Library: 79.38%

Average vendor circuit cost per megabit invoiced to members over the past 5 years



Be better connected.

WITH YOUR PEERS

We continue to maximize the resources available to our members by bringing members together in person and virtually throughout the year. We continue to host the MOREnet Annual Conference each year and we are on our third year of the Missouri High School Cybersecurity Challenge.

We have been actively sourcing relevant content in partnership with DESE for the Missouri Open Educational Resources Commons (OER) intended for Missouri educators at all levels. Missouri's OER Commons hub is scheduled to be launched fall of 2022 and will offer a wide selection of resources that include full courses, course materials, modules, videos, tests and other tools and techniques.

We act as a convener - connecting members in multiple ways to collaborate and share knowledge. Discussion lists, regional meetings, conferences, training and professional development are a few ways we bring our members together.

MEMBERSHIP



the MOREnet network connects members to other Missouri entities and the Internet



MOREnet's technical services include cybersecurity, network consulting, videoconferencing, technical training, help desk support and access to online resource databases

Higher Education



58 public and independent higher education institutions, serving more than 239,000 students.

33 connect into the MOREnet network
58 subscribe to technical services

K-12 Schools



487 public and private K-12 schools, serving more than 827,000 students

316 connect into the MOREnet network
481 subscribe to technical services

Libraries



135 public library systems that serve nearly 3 million Missourians

100 connect into the MOREnet network
133 subscribe to technical services

Government, Health Care & Nonprofit



10 state/local government entities
6 health care entities
20 nonprofit organizations

We wrapped up our last fiscal year with

25
new
members

CYBERSECURITY CHALLENGE



The Need:

There continues to be a substantial shortage of cybersecurity professionals in the United States. On average, it takes 21% longer to fill a cybersecurity position than other IT jobs. In Missouri alone, there are currently 13,531 open cybersecurity positions.

Because of this talent shortage, a tremendous number of cybersecurity-related jobs remain unfilled. It is estimated that we will need 3.5 million cybersecurity professionals by 2025. Why is there such a need for cybersecurity expertise? Globally, 80% of organizations suffered at least one breach of security in 2021, and ransomware attacks have increased by 13%.

According to code.org, students who learn computer science skills in high school are six times more likely to major in it. Women who learn computer science in high school are ten times more likely to choose it as a major in college.

The Goal:

To do our part to address the cybersecurity talent shortage, we created the Missouri High School Cybersecurity Challenge in 2019. Our mission was to encourage students to learn about cybersecurity in the real world, while further advancing interest and developing skills needed for future careers in the field.

In addition, by participating in the challenge, students gained a better understanding of all the job opportunities related to cybersecurity.

Our executive director, Natasha Angell, explained it to educators, "We hope that introducing Missouri students to cybersecurity through game-like exercises will spark interest in students to explore a career in the cybersecurity field. Through trial and error, students are learning techniques bad actors could use to gain access to sensitive information. With this knowledge, they can work toward keeping networks and valuable personal information safe."

The Approach:

We partnered with CYBER.org to host the third annual Missouri High School Cybersecurity Challenge in February of 2022. Other industry partners helped facilitate, including the Missouri Cybersecurity Center of Excellence (MCCoE) as well as the Missouri Department of Elementary and Secondary Education (DESE).

The challenge is designed with two rounds. The first round is an online, capture the flag event that tests students' problem-solving skills, research abilities and understanding of cybersecurity concepts. The top 10 teams advance to the in-person finals where students use real-world security tools in a virtual environment made up of Windows machines, Linux machines and servers. They were given challenges around exploitations, reconnaissance and network scanning, programming, password cracking and auditing, reverse engineering, cryptography, and trivia.

Once the challenge began, students were presented with a Jeopardy-style board. Each category had multiple challenges with varying point levels. Students were free to choose which challenges they wanted to attempt, completing them in whatever order they preferred. Once a challenge was solved, points were awarded and tracked on the scoreboard.

The answer to each challenge was hidden in a virtual environment during the final round. Students used industry tools and cybersecurity skills to search the network for the answers.

The Results:

Over the past three years, nearly 400 Missouri high school students have participated in the challenge. Every student learned about the importance of cybersecurity as well as best practices for protecting your data in our hyper-connected world. Many students realized during this event that they were a good fit for a career in cybersecurity.

Over the years, a handful of students have earned scholarships to Missouri colleges to major in cybersecurity as a direct result of participating in the Missouri High School Cybersecurity Challenge, either through being awarded the scholarship as a prize or by meeting university recruiters who attended the event.

Congratulations to the top three teams in 2022.

First place – Little Hog Champs - Eldon High School

Second place – 414, I'm a Teapot - Kickapoo High School

Third place – A Smart Dream with a Pinch of Cybersecurity - South Technical High School

“This competition was a lot of fun and extremely challenging! It was definitely a lot different than last year as the interface was a lot “cleaner,” and there seemed to be a lot more resources available to us due to the pandemic. I loved the opportunity to crack a Windows computer. Overall, this was an amazing competition.”

Student Participant

MOREnet ANNUAL CONFERENCE

The Need:

Our members have repeatedly told us that they need an opportunity to network and collaborate with their peers, where they learn best practices, and industry trends. With the ever-changing technology environment, experts must research solutions, test products, and learn new skills and techniques.

The Goal:

Understanding that we were coming off a two-year pandemic, including hosting a 100% virtual conference in 2020, our goal was to have an event that catered to those who were ready and able to collaborate in-person, while providing learning opportunities for those who were unable to join us face to face. We wanted to ensure that those who came for the in-person event brought home knowledge that would help enhance or simplify their work life, making the time away from the office worth the investment, while those who accessed the information online found it easy to navigate and access from home.

The Approach:

In October of 2021, we hosted a hybrid conference that livestreamed several of our sessions to audiences who were unable to make the trip in person to the event in Branson. This was a new location for our member event, but it definitely is not our last time to meet at the Convention Center on Branson Landing.

“Thank you for the takeaway action items to help move our schools and communities forward.”

The Results:

489 people were able to benefit from the 2021 MOREnet Annual Conference, 136 of them virtually. Each hour, we livestreamed four of our most requested sessions for those who wished to access the conference sessions remotely. A room host also served as a moderator for those hybrid sessions so the remote participant could ask questions or request clarification. Those sessions were also recorded and made available to all members for 90 days after the conference.

In-person attendees were also able to have exclusive time to network with 52 sponsor companies in the trade show.

Our most popular sessions included:

- Open-Source Tools
- Using Group Policies to Improve your Network
- Blending Cybersecurity and Network Solutions to Monitor and Protect your Campus
- Google Admin Best Practices
- Maximizing Canvas LMS
- Digital Literacy and Accessibility

92%

of attendees said they were satisfied with the 2021 MOREnet Annual Conference.

“I enjoyed the sessions where I got in-depth technical knowledge directly from a security professional. I appreciate visualizing how all the pieces of your network need to work together to fight off the real-world attacks.”

FY22 FINANCIALS

Revenues

K-12	8,542,231
Higher Education	1,951,809
Affiliates	1,431,508
Libraries	510,723
State Contracts - HB12 & Other	3,311,998
Federal E-rate & RHC Reimbursements	5,467,421
Other Fees and Miscellaneous	2,496,089
Sponsorship Revenue	43,850
Total Revenue	23,755,629

"I appreciate the steps that you have taken to reduce costs for members the last few years."

Ginger King
Rolla 31

Expenses

Network Related Expense	3,128,554
Connection Expense	7,215,681
Membership Service Expenses	3,401,221
Salaries and benefits	7,189,873
Operating Expenses	1,795,041
Total Expense	22,730,370

"MOREnet has been helpful, saving us money and providing great services for years! You are the best!"

Nate Anderson
Wellington-Napoleon

Year-to-date for period ending June 30, 2022

KEY CONTACTS

The primary function of the MOREnet Council is to direct and oversee planning and budgeting for the MOREnet infrastructure including the technical support required for the future growth and success of programs sponsored by Council members.

2022 MOREnet COUNCIL MEMBER REPRESENTATIVES

Organization Type	Name
Higher Education	John Bax, Chair - Lincoln University Robert Wideman - Moberly Area Community College Jeff Schneider - College of the Ozarks
Libraries	Carrie Cline - Neosho Newton County Library Sue Lightfoot - Carrollton Public Library Michael Davis - Camden County Library
Public K-12 Schools	Michelle Brenner, Vice Chair - Branson School District Doug Austin - Special School District of St. Louis County Ryan Gooding - Raymore-Peculiar School District
Others	Robin Westphal - Missouri State Library Samantha Dickey - Missouri Department of Higher Education Jeff Falter - Missouri Department of Elementary and Secondary Education Jeff Wann - Office of Administration Information Technology Services Beth Chancellor - University of Missouri System Natasha Angell - MOREnet (non voting)

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