

## MOREnet Council Meeting Agenda

**DATE/TIME:** Monday, June 16, 2025, from 1:00 p.m. – 2:30 p.m.

### A G E N D A

	<u>Page</u>	<u>Presentation by:</u>
<b>I. Introduction</b>		
1. Call to Order		Jeff Schneider, Chair
2. Introduction of Council Members, Staff, Observers		Jeff Schneider, Chair
3. Welcome New Council Member, Megan Gretzinger		Jeff Schneider, Chair
4. Call for Additional Agenda Items and Adoption of Agenda		Jeff Schneider, Chair
<b>II. Action Items</b>		
1. Minutes of December 9, 2024, MOREnet Council Meeting – Approval	3	Jeff Schneider, Chair
2. FY26 Original Budget – Endorsement	6	Lynn Burgan
3. Proposed FY26 Plant Fund Transfer and Projected FY26 Plant Fund Balance – Approval	9	Lynn Burgan
<b>III. Discussion/Information Items</b>		
1. Proposed FY25 Ending Balances – Information	12	Lynn Burgan
A. Projected FY25 Ending Plant Fund Balance		
B. Projected FY25 Ending Operating Balance		
2. 2025 Member Satisfaction Survey Highlights – Information	13	Dawn Thurnau
3. Eduroam Pilot for Schools & Libraries – Information	16	Natasha Angell
4. NSF CIMUSE Regional Computing Grant Update – Information	18	Chip Byers
5. Fiscal Year 2026 Major Initiatives, What’s on your list? Around the Room – Discussion		Council Members
6. Future Meeting Schedule		
A. September 22, 2025		
B. December 15, 2025		
<b>IV. Open Time for the Public to Address the Council</b>		

\*Public may attend by emailing [loyds@more.net](mailto:loyds@more.net) in advance to receive the required call-in information.

## MOREnet Council Members

	<b>Title</b>	<b>First</b>	<b>Last</b>	<b>Position</b>	<b>Organization</b>	<b>E-mail</b>	<b>Phone</b>	<b>Term Ends</b>
***	Mrs.	Natasha	Angell	Executive Director	MOREnet	angelln@more.net	(573) 882-9025	No Term
	Dr.	Tony	Arbisi	Director of Technology	Belton School District	tarbisi@bsd124.org	(816) 892-1332	12/31/2026
**	Mr.	Doug	Austin	Chief Technology Officer	Special School of St. Louis County	daustin@ssdmo.org	(314) 989-8156	12/31/2025
	Mr.	Ben	Canlas	Vice President for Information Technology and MU Chief Information Officer	University of Missouri	canlasb@umsystem.edu	(573) 884-2767	No Term
	Ms.	Janet	Caruthers	Interim Missouri State Librarian	Missouri State Library	janet.caruthers@sos.mo.gov	(573) 526-4783 / (573) 526-1087	No Term
	Ms.	Carrie	Cline	Director	Neosho Newton County Library	carrie@neosho.lib.mo.us	(417) 451-4231	12/31/2027
	Mr.	Camden	Daily	Chief Data Officer	Department of Elementary & Secondary Education	camden.daily@dese.mo.org	573 751 2223	No Term
	Mr.	Rick	DeCaro	Director of Information Technology Services	Logan University	rick.decaro@logan.edu	(636)230-1760	12/31/2026
	Ms.	Samantha	Dickey	Assistant Commissioner for Postsecondary Policy	Missouri Department of Higher Education	Samantha.Dickey@dhewd.mo.gov	(573) 751-5221	No Term
	Ms.	Megan	Gretzinger	Director of Instructional Technology	Clinton School District	mgretzinger@clintoncardinals.org	(660) 885-2247 x3101	12/31/2028
	Mr.	John	Laurent	Chief Information Officer	Office of Administration Information Technology Services Division	john.laurent@oa.mo.gov	(573) 751-1504	No Term
	Ms.	Sue	Lightfoot-Horine	Director	Livingston County Library	director@livcolib.org	(660) 646-0547	12/31/2027
*	Mr.	Jeff	Schneider	Chief Information Officer	College of the Ozarks	jschneider@cofo.edu	(417) 690-2721	12/31/2025
	Ms.	Christa	Van Herreweghe	Director	Kirkwood Public Library	christa@kplmo.org	314-821-5770 x1016	12/31/2025
	Mr.	Andy	White	Vice President of Information Technology and Cybersecurity	Mineral Area College	alwhite@mineralarea.edu	(573) 518-2255	12/31/2027

### MOREnet Council Alternates (vote only when serving as proxy for their above Council member)

	Mr.	David	Hewkin	Program Specialist, Postsecondary Policy	Missouri Department of Higher Education	david.hewkin@dhewd.mo.gov	(573) 522-1151	No Term
	Ms.	Jennifer	Zimmerman	Cloud Operations and Governance Manager	Office of Administration Information Technology Services Division	jennifer.zimmerman@oa.mo.gov	(573) 751-1504	No Term

### MOREnet Staff

	Ms.	Lynn	Burgan	Chief Financial Officer		burganl@more.net	(573) 884-2316	
	Mr.	Chip	Byers	Director Strategic Initiatives		chip@more.net	(573) 882-9787	
	Ms.	Sherry	Loyd	Executive Staff Assistant II		loyds@more.net	(573) 884-2666	
	Ms.	Dawn	Thurnau	Manager, Marketing & Product Development		thurnaud@more.net	(573) 8814325	

- \* Chair
- \*\* Vice Chair
- \*\*\* Non-Voting

## DRAFT Council Meeting Minutes

TIME: 1:00 p.m. – 2:30 p.m.  
Monday, December 9, 2024

PLACE: Zoom

### Members present:

Carrie Cline – Chair  
Tony Arbisi  
Doug Austin  
Michelle Brenner  
Janet Caruthers  
Camden Daily  
Rick DeCaro  
Sue Lightfoot-Horine  
Jeff Schneider  
Christa Van Herreweghe  
Andy White

### MOREnet staff present:

Natasha Angell  
Lynn Burgan  
Chip Byers  
Hunter Goosmann  
Sherry Loyd  
Gloria Stephenson

### Alternates present:

Brandon Hough

Chair Cline called the meeting to order. Those who were in attendance are listed above.

Chair Cline called for a motion to approve the agenda as described. Doug moved to approve, Christa seconded, all were in favor, and it passed unanimously.

## ACTION ITEMS

### Minutes

Chair Cline called for a motion to approve the draft September 16, 2024, meeting minutes. Sue moved to approve the minutes, Janet seconded, all were in favor, and it passed unanimously.

### Election of Officers - Endorsement

Chair Cline called for a motion to approve the slate of candidates as presented. Andy moved to approve, Janet seconded, all were in favor, and it passed unanimously. For the calendar year 2025, Jeff Schneider will serve as the MOREnet Council Chair and Doug Austin will serve as Vice Chair.

### FY26 Draft Budget - Approval

Lynn reviewed the budget materials provided in the meeting packet. The FY26 budget is based on the FY25 membership levels and selection, as well as proposed FY26 member fees and FY26 estimated expenses. The result after the plant fund transfer is a balanced budget for FY26.

Chair Cline called for a motion to approve the FY26 draft budget as presented. Christa moved to approve, Rick seconded, all were in favor, and it passed unanimously.

### FY26 Member Fees - Endorsement

Staff prepared FY26 member fees for the Membership Service Packages (MSP) and the Network Connectivity Fee (NCF) and are reviewing pricing for the For-Fee Service (FFS). There will be no change to the MSP fee schedule for FY26.

Chair Cline called for a motion to endorse the FY26 Member Fees as presented. Christa moved to approve, Tony seconded, all were in favor, and it passed unanimously.

## **DISCUSSION/INFORMATION ITEMS**

### **Introduction and Welcome, Hunter Goosmann, Director of Infrastructure – Information**

Natasha introduced Hunter Goosmann as the new Director of Infrastructure, having joined on October 1, and brings over 30 years of IT and telecom experience, along with leadership experience from his previous role as Executive Director at a nonprofit.

### **Regional Support Program Launch – Information**

Gloria discussed the launch of the Regional Support Service, an on-site network and tech support program. This service is primarily aimed at smaller to medium-sized school districts and libraries, with two dedicated individuals in the Southwest and South Central areas. The service is based on a half-day block of time, costing \$450 per half-day. The program is gaining interest as members prepare for next year's budgets and needs. Janet asked about the additional cost to members, to which Gloria confirmed it was based on a half-day of time. Tony expressed his appreciation for the program, especially for smaller districts. Sue suggested that some libraries might be able to secure grant funds to help pay for the service. Janet agreed to explore this possibility.

### **CIMUSE HPC Collaboration Update – Information**

Chip discussed the progress of the computational infusion for Missouri undergraduate science and education, a project that began in 2020. The project, which received less than 5% of NSF funding in Missouri, aimed to provide graduates with experience in high-performance computing as part of their workforce development. Four institutions, Missouri Western, SEMO, Truman, and Webster, were awarded a regional computing grant, which was used to purchase a 20-node compute cluster. The project is going well, with the cluster made available for researchers and instructions on how to operate. Chip also mentioned that MOREnet and NSF are pursuing a federated identity management solution to manage access from different institutions. Two additional institutions, Maryville and Northwest Missouri State, are considering joining the consortium. Chip encouraged institutions to join the consortium.

### **Council Member Highlights from First 6 Month, Around the Room - Information**

Sue shared that her library had resolved plumbing issues and was operational again. She also mentioned that they were increasing staff and offering a competitive wage and had recently increased their loggers benefit.

Tony discussed the successful migration to a new student information system, Power School, and the challenges they faced. He also mentioned their ongoing efforts to improve their network.

Brandon shared an issue they faced with Microsoft's 2-factor authentication, which was resolved after two days of troubleshooting.

Jeff discussed several ongoing projects and considerations. He mentioned a potential partnership with Rumble Cloud for web hosting services and a direct connect with MOREnet. Jeff also highlighted the launch of community education courses and a new micro credentialing program for students. He expressed concern about potential changes in the Department of Education's cybersecurity requirements and the impact of the American Academy on higher education. Jeff also discussed the need to work with legislators regarding legislation targeting schools with large endowments. On the technical side, Jeff mentioned exploring AI-assisted low code and no code solutions for operational systems and a new admissions module from Jenzibar. Sue asked about the endowment tax legislation, which Jeff confirmed applied to existing endowments.

Janet discussed the ongoing process of approving summer library program grants and preparing for the new Secretary elect. She also mentioned the upcoming library advocacy day in February.

Rick shared that they are in the process of selecting a new SIS system, having narrowed down their options to 3-5 vendors by the end of January. They have also adopted Copilot as their preferred AI tool and are planning to conduct security awareness training and functional training related to AI. Rick also mentioned that they received approval to move forward with Arctic Wolf as their SaaS service, set to start in February.

Andy shared that they have successfully started a new autotech program and are preparing to start a fiber optics program. They have also finalized their facility management software and completed their 5-year strategic plan, which includes several technology initiatives, including AI.

Christa discussed the partnership with the Kirkwood Historical Society, funded by a grant from the State Library, which involves digitizing historical items and making them available to all patrons. She also mentioned the migration to Evergreen, a project that has been successful but still ongoing.

Camden shared that the data team is working on implementing a SEDS data warehouse, a collaborative project that will make data querying and understanding easier. Camden also mentioned that the Ed 5 rollout has been paused for the next year or two due to resource constraints. Chip asked about the progress of the federated identity management project for bringing Puis into the shared HPC as he is looking for a use case. He discussed the potential benefits of implementing federated identity management for shared services and resources across institutions. Camden expressed interest in this, citing the challenges of maintaining multiple sets of credentials for data access control. Chip explained that the system would maintain who is currently with an institution and what access controls they have, with a trusted relationship between institutions.

Carrie expressed her enjoyment of attending the Morenet conference and her experience as the outgoing council chair.

Natasha shared that the Cybersecurity Challenge for high school students will start virtually in January, with finals in February at the Tech Summit in Columbia. Last year more than 50 teams competed. Staff are finalizing deep dive speakers and sessions for the two-day event. In April there will be a MOHEIT meeting that will be centered around data governance, tools, and resources, reflecting current trends in higher education. The group also discussed potential password management solutions, with Jeff suggesting Dashlane and OnePassword.

Chip has been looking at Quantum computing and Quantum networking and has found a Quantum Camp.

### **Future Meeting Schedule**

TBD

### **Open Time for the Public to Address the Council**

Meeting adjourned 1:54 p.m.

Respectively submitted by Sherry Loyd

## AGENDA ITEM SUMMARY FY26 ORIGINAL BUDGET

### AGENDA ITEM

FY26 Original Budget

### DESCRIPTION

The FY26 original operating budget is based on the FY26 member fee schedules, current orders and expected expenses. For the FY26 original budget, revenue over expenses after the plant fund transfer is \$544,482.

### REVENUE

1. K-12, Higher Education, Affiliates and Libraries Revenue

The budgeted revenue for each member group includes:

*Membership Service Package Fees*

The budgeted amounts are based on current orders and the FY26 membership package pricing schedule.

*Network Connectivity Fees*

The budgeted amounts are based on the FY26 pricing schedule and current orders.

*Connection Revenue*

Connection revenue is based on FY26 tail circuit connection expenses, as per current vendor contracts.

2. REAL Program MOU

The budgeted amount for the FY26 House Bill 12 (HB12) appropriation is \$3,109,250 and allocated based on the FY26 REAL MOU budget. The REAL MOU reduces the revenue collected directly from participating public libraries.

3. E-rate and RHC Reimbursements

The E-rate reimbursements are based on next year's estimated circuit expenses and the FY26 E-rate discount rates.

4. Other Fees and Miscellaneous Revenues

Other fees and miscellaneous revenues are based on projected for-fee service revenues.

5. Sponsorship Revenue

Sponsorship revenues are based on projected support for the MOREnet Annual Conference.

6. Transfer Revenue

No transfer revenue is needed to cover the third year of the three-year vacation payout for UM leave program changes, which became effective in January 2024. MOREnet received approval during the council meeting on December 11, 2023, to use the Operating Surplus funds for the payout.

### EXPENSE

1. Network Related Expense

Network related expenses are based on bandwidth projections, circuit cost estimates, equipment and software expenses related to the MOREnet network and member connections, and other network expenses. Major areas of change include:

- \$39,246 increase for aggregation circuit costs and
- (\$237,370) decrease for backbone, Internet2, and other network expenses including a reduction in our anticipated DNS hosting refresh expenses.

2. Total Connections Expense

The budgeted amount is based on current tail circuit connection pricing, as per vendor contracts. Connection equipment expenses are based on staff estimates for next year.

3. Salaries and Benefits

Direct and G&A salaries and benefits include a 2.0% merit increase pool and \$266,000 for open positions and \$40,000 for reclassifications and promotions planned in FY26. The budget also includes \$213,000 for UM leave program changes vacation payout for year three of three.

4. Other Expenses

The other expenses include budget adjustments for conferences and member meetings, member-related services, and fee-for-service expenditures. The eduroam expense has been incorporated into the member-related services budget.

5. Operating Expenses

Operating expenses include member outreach, business travel, professional development, the UM Procurement MOU, E-rate consulting services, office supplies and equipment, as well as maintenance and software for office equipment. They also cover rent, utilities, cleaning, and security services for the MOREnet office.

To enhance community engagement and visibility, the budget for member outreach has been increased to support the production of a new MOREnet video to mark our 35<sup>th</sup> anniversary in 2026.

Budget reduction was made in professional services, driven by savings in our Cyber Tech Errors and Omissions insurance expense. Additionally, expenses for rent, utilities, janitorial, and security were lowered following the decision to remain at the current Stadium Blvd office location, eliminating the previously anticipated need for overlapping rent and moving-related expenses.

Meanwhile, the budget for equipment and software maintenance has been increased to support new initiatives involving artificial intelligence (AI), reflecting our commitment to innovation and technological advancement.

**FUND BALANCES, ENDING BALANCE TRANSFERS, RESERVES BALANCES AND UNOBLIGATED RESERVES**

	Total (\$ millions)
Projected FY26 Ending Balances - Operating	\$ 3,829,903
Projected FY26 Ending Balances - Plant	13,322,686
Less FY26 Minimum Operating Reserves (MOR)	(4,979,000)
Total Reserves Net MOR	12,173,589
Less EBS Licenses Revenue – Restricted	(1,313,357)
Less Current FY25 E-rate Accruals excluding Fiber Project	(2,824,456)
Unobligated Reserves	\$8,035,776

**RECOMMENDED ACTION**

Staff recommends endorsement of the FY26 Original Budget.

**ATTACHMENT(S)**

FY26 Original Budget

**FY26 Original  
Budget**

<b>Revenues:</b>	
K12	8,462,453
Higher Education	1,640,812
Affiliates	1,219,884
Libraries	574,948
REAL MOU	3,109,250
E-rate and RHC Reimbursements	4,325,646
Investment Income	-
Other Fees and Miscellaneous	1,315,044
Sponsorship Revenue	90,605
Revenue Transfers	-
<b>Total Revenue</b>	<b>20,738,642</b>
<b>Expenses:</b>	
<b>Direct Expenses</b>	
Internet Access Circuits	213,600
Aggregation Circuits	271,992
Backbone, I2, Other Network	811,345
Maintenance	1,222,782
<b>Total Network Related Expense</b>	<b>2,519,719</b>
Connection Circuits	5,236,733
Connection Equipment	95,667
Connection Equipment Maintenance	1,500
<b>Total Connection Expense</b>	<b>5,333,900</b>
Conferences/Member Meetings	142,000
Member Related Travel	15,000
Online Resources	1,348,247
Member Related Services	233,090
Fee-for-Service Related	1,001,097
<b>Total Other Expenses</b>	<b>2,739,434</b>
<b>Direct Salaries and Benefits</b>	<b>4,833,634</b>
<b>Total Direct Expenses</b>	<b>15,426,687</b>
<b>G&amp;A Expenses</b>	
Staff Dev., Travel and Meeting Expense	95,875
Member Outreach	66,500
Telephone	32,303
Office Supplies and Expense	32,999
Equipment, Software and Accessories	19,398
Maintenance for Equipment and Software	300,118
Professional Services	178,289
Rent, Utilities, Janitorial, and Security	306,166
<b>Total Operating Expenses</b>	<b>1,031,648</b>
<b>G&amp;A Salaries and benefits</b>	<b>3,735,825</b>
<b>Total G&amp;A Expenses</b>	<b>4,767,473</b>
<b>Total Expenses</b>	<b>20,194,160</b>
<b>Revenue over Expenses</b>	<b>544,482</b>
Fund Transfers	-
<b>Surplus after Plant Fund</b>	<b>544,482</b>

**AGENDA ITEM SUMMARY**  
**PROPOSED FY26 PLANT FUND TRANSER AND PROJECTED FY26 PLANT FUND**  
**BALANCE**

**PLANT FUND (PF) HISTORY**

MOREnet must establish a target for annual contributions to the PF to ensure that funds are available when capital replacements or upgrades are necessary. At the inception of the MOREnet consortium, one-time state appropriations funded the initial network, video, and other equipment purchases.

As reviewed and approved at the July 30, 2009 Council meeting, MOREnet reviews information on capital assets provided by the University of Missouri Controller’s office on a semi-annual basis to establish a target for annual contributions. Assets used to support the MOREnet Network (including the fiber backbone), research, internal operating, member services and for-fee services (FFS) will be the basis of the calculation.

The annual contribution target will be based on the original value of assets, divided by the estimated useful life of each category of asset. In cases where updated estimates of replacement cost and useful life are available, those estimates will be used in the calculation of the annual contribution rather than the original value of old assets.

The PF replacement is built into the cost of all allocated activities and transfers will be made from appropriate fee areas.

**PF BALANCE UPDATE**

The projected beginning FY26 PF balance is \$13,322,686. PF purchases for FY26 are expected to total \$140,000 for Ed-Fi software onboarding, with projected investment income of \$60,000. This results in a projected FY26 ending balance \$13,242,686.

The required FY26 PF ending balance is \$13,157,657, based on the Annual Plant Fund Contribution estimate and an allocation of \$3,000,000 for new technologies and start-up purchases.

No PF transfer is needed for FY26, as the projected FY26 ending balance exceeds the required balance by \$85,029.

**PROJECTED PF FY26 BALANCE**

PF Beginning Balance	13,322,686
Investment Income	60,000
Less Budgeted FY26 Purchases:	
Ed-Fi Software Onboarding	<u>(140,000)</u>
<b>PROJECTED PF FY26 ENDING BALANCE</b>	<b>13,242,686</b>

Required PF Balance Based on Existing Assets	10,157,657
Funds for New Technologies and Start-up Purchases	<u>3,000,000</u>
<b>REQUIRED PF FY26 ENDING BALANCE</b>	<b>13,157,657</b>

**PROJECTED PF FY26 SURPLUS** **85,029**

**RECOMMENDED ACTION**

Staff recommends the Council approve that staff make no PF transfer for FY26 and retain the identified surplus in the PF to reduce any transfer that may be deemed appropriate for FY27.

**ATTACHMENT(S)**

- Annual Plant Fund (PF) Contribution Estimate

FY2026 Annual Plant Fund Contribution Estimate  
 Updated 5/12/2025

Description	Group	Original or Replace Costs	Useful Life (Years)	Annual Contribution	Purchase Year	Replacement Year	Required Funding 6/30/2026
Additional Disks for Nimble AF20 Storage Appliance - at the 221 MOREnet offices	Application and Systems Administration	19,742	5	3,948	23	28	11,845
Nimble AF20 Storage Appliance - for MOREnet office (Shesha)	Application and Systems Administration	53,818	8	6,727	20	28	40,364
Nimble HF20 Storage Appliance - telecom backup for Shesha (Abeloth)	Application and Systems Administration	41,871	8	5,234	20	28	31,403
Power Distribution Unit (Networked Power Receptacles) in Telecom and KC datacenter	Application and Systems Administration	29,737	7	4,248	22	29	16,993
Replaces Office UPS for servers	Application and Systems Administration	17,557	7	2,508	22	29	10,032
VPN Server for KC and Telecom replacements ( 8 PowerEdge) - Backup Servers	Application and Systems Administration	15,870	7	2,267	23	30	6,802
VPN Server for KC and Telecom replacements ( 8 PowerEdge) - Tunnel Servers	Application and Systems Administration	9,294	7	1,328	23	30	3,983
VPN Server for KC and Telecom replacements ( 8 PowerEdge)- VPN Servers (Open Virtual)	Application and Systems Administration	5,828	7	833	23	30	2,498
ESX Server for Internal Access VMs	Application and Systems Administration	163,951	7	23,422	24	31	46,843
ESX Server for VSS	Application and Systems Administration	68,525	7	9,789	24	31	19,579
ESX Storage (Alletra) - two units	Application and Systems Administration	126,239	6	21,040	25	31	21,040
MOREnet Building Firewall and VPN	Cybersecurity and LAN Services	43,615	3	14,538	25	28	14,538
SUV for MOREnet Fleet	Fiscal, Contractual Services and Human Resources	30,929	7	4,418	25	32	4,418
SUV for MOREnet Fleet	Fiscal, Contractual Services and Human Resources	30,929	7	4,418	25	32	4,418
Dodge Caravan	Fiscal, Contractual Services and Human Resources	21,857	5	4,371	16	anytime	21,857
10G Transponders between JC switch and COL agg router	Network Services	17,000	10	1,700	16	26	17,000
10G Transponders for I70 Backbone plus shelves	Network Services	22,060	10	2,206	16	26	22,060
MOREnet Waves Capacity Upgrade	Network Services	76,060	10	7,606	16	26	76,060
Muxponders - Aggregation	Network Services	41,000	10	4,100	16	26	41,000
Optical parts for spares kit	Network Services	20,000	10	2,000	16	26	20,000
Dark Fiber FY19 redesign equipment (ORM 9899) Cisco ASR920s	Network Services	295,859	7	42,266	19	26	295,859
Replaces failed UPS-A at Telecom	Network Services	13,000	10	1,300	16	26	13,000
Router Optics & Transceiver Modules	Network Services	30,638	10	3,064	16	26	30,638
ASR920's for SWEMO/SEMO huts.	Network Services	14,535	9	1,615	18	27	12,920
Dark fiber FY19 redesign (ORM 9958) 2 Cisco 5501s Agg routers	Network Services	135,200	8	16,900	19	27	118,300
Equipment needed for SW Fiber project. ASR-920's 12 port 1gig 2 10Gig	Network Services	14,000	9	1,556	18	27	12,444
Fujitsu Optical Equipment - Southwest project	Network Services	247,000	10	24,700	17	27	222,300
Upgrade RSP's to replace EoL RSP8G's	Network Services	196,020	9	21,780	18	27	174,240
Aggregation Router (SPR)	Network Services	275,000	13	21,154	15	28	232,692
Backbone Router (COL)	Network Services	360,000	13	27,692	15	28	304,615
Backbone Router (KC)	Network Services	480,000	13	36,923	15	28	406,154
Backbone Router (SPR)	Network Services	360,000	13	27,692	15	28	304,615
Backbone Router (STL)	Network Services	480,000	13	36,923	15	28	406,154
Cisco 5500 Series Routers - UM-System and the campus network	Network Services	2,005,388	7	286,484	21	28	1,432,420
Internet Routing (KC)	Network Services	235,000	13	18,077	15	28	198,846
Internet Routing (STL)	Network Services	235,000	13	18,077	15	28	198,846
New internet gateway routers for Kansas City and St Louis	Network Services	116,717	7	16,674	22	29	66,695
Battery replacement and maintenance checkup for UPS's in Telecom room 5D	Network Services	10,660	7	1,523	23	30	4,569
Equipment replacement; correct original design flaw in the backbone as wrong amp	Network Services	38,264	8	4,783	22	30	19,132
Inline OTDR	Network Services	42,700	6	7,117	24	30	14,233
Switch at Telecom.	Network Services	76,722	7	10,960	23	30	32,881
OTDR to test the fiber route to UMSL	Network Services	14,360	7	2,051	24	31	4,103
Edge Routers for connections over 20gig (3 units)	Network Services	28,787	7	4,112	25	32	4,112
Aggregation Switches Catalyst 9500 (5 units)	Network Services	77,524	7	11,075	25	32	11,075
Distribution Routers	Network Services	205,505	10	20,550	24	34	41,101

Detailed PF Calculation

Description	Group	Original or Replace Costs	Useful Life (Years)	Annual Contribution	Purchase Year	Replacement Year	Required Funding 6/30/2026
5- Next Generation 100G Transponder	Network Services	318,000	7	45,429	17	anytime	318,000
DC to AC rectifiers and fuse panel for 1102 Grand	Network Services	6,334	5	1,267	15	anytime	6,334
Equipment needed for SW Fiber project	Network Services	388,519	7	55,503	17	anytime	388,519
Fujitsu Optical Equipment - MOREnet	Network Services	2,485,354	10	248,535	15	anytime	2,485,354
Fujitsu Optical Equipment - SEMO	Network Services	1,742,430	10	174,243	14	anytime	1,742,430
Hut ASR920 DC's for Fairview and Seymore	Network Services	9,670	7	1,381	18	anytime	9,670
Aggregation Router (Stoutland)	Network Services	110,000	10	11,000	14	anytime	110,000
Aggregation Switch (Stoutland)	Network Services	13,500	10	1,350	14	anytime	13,500
Dell Servers for Netflow	Network Services	5,000	3	1,667	16	anytime	5,000
Copier	Technical Support and Video Services	24,760	7	3,537	16	anytime	24,760
Plotter	Technical Support and Video Services	11,000	7	1,571	16	anytime	11,000
Replacement of 2 HVAC in Room 5E in Telecom Bldg.	Technical Support and Video Services	48,411	7	6,916	17	anytime	48,411
<b>Required Funding Based on Assets (end of FY26)</b>							<b>10,157,657</b>
Funds for new technologies and start-up purchases							<u>3,000,000</u>
<b>Total Plant Fund Requirement (end of FY26)</b>							<b>13,157,657</b>
<b>Projected Plant Fund FY26 Ending Balance</b>							<b>13,242,686</b>
<b>Transfer Amount</b>							-

**AGENDA ITEM SUMMARY  
PROJECTED FY25 ENDING BALANCES**

**AGENDA ITEM**

Projected FY25 Ending Balances

**PROJECTED FY25 PLANT FUND BALANCE**

FY25 Beginning Balance	\$ 13,342,467
Additions:	
FY25 Interest Revenue	\$ 60,000
Plant Fund Contribution Transfer	\$ 314,258
Subtracts:	
Plant Purchases	\$ 394,039
<b>Projected FY25 Ending Plant Fund Balance</b>	<b>\$ 13,322,686</b>

**PROJECTED FY25 ENDING OPERATING BALANCE**

FY25 Beginning Balance	\$ 3,567,775
Additions:	
FY25 Projected Revenue Over Expenses Transfer	\$ 580,636
Subtracts:	
Payment to Linn County School District for EBS License Sale	\$ 56,643
HCF/E-rate Adjustment	\$ 806,347
<b>Projected FY25 Ending Operating Balance</b>	<b>\$ 3,285,421</b>
EBS Licenses Asset Transfer Revenue – Restricted	\$ 1,313,357

**Fiber Project E-rate Revenue (not included in Operating Balance)**

E-rate Adjustments for Fiber Project - Received	\$ 8,608,978
E-rate Adjustments for Fiber Project - Not Received	\$ 6,844,805
<b>Fiber Project E-rate Revenue Total</b>	<b>\$ 15,453,782</b>

**RECOMMEND ACTION**

None

**ATTACHMENT(S)**

None

**AGENDA ITEM SUMMARY**  
**2025 MEMBER SATISFACTION SURVEY HIGHLIGHTS**

**AGENDA ITEM**

2025 Member Satisfaction Survey Highlights

**DESCRIPTION**

Each year, we ask our institutional representatives and primary technical contacts to participate in our annual satisfaction survey. This year, we're proud to report that satisfaction remains strong and steady, with responses placing us in the 90th percentile across all three key metrics we track year to year: overall satisfaction, value for the money, and service offerings.

While all recipients are asked about value, our service portfolio, and overall satisfaction- which includes the knowledge and responsiveness of our staff, the survey is tailored to each member's services. Only members with a MOREnet connection are asked about our network services included with the Network Connectivity Fee (NCF), and only those with a Membership Service Package (MSP) are asked about those bundled services.

These insights help us monitor key metrics over time, understand evolving member expectations, and continuously refine how we support the communities we serve. By paying close attention to what's working, what services and solutions are on the minds of our members, and where we have opportunities to do better, we stay committed to our mission of being a trusted technology partner for Missouri's community anchor institutions.

**RECOMMENDED ACTION**

None

**ATTACHMENT(S)**

Infographic flier of annual satisfaction results

# Annual Member Satisfaction

Member feedback is important to us. We use these valuable insights to help us understand what we've been doing right as well as identify areas where we can enhance our services to better serve community anchor institutions.



Overall Satisfaction  
**95%**



Value for the Money  
**90%**



Overall Service Offering  
**95%**

Member Satisfaction Trends Over 10 Years



## Satisfaction Ratings for Services and Experience

### Membership Service Package (based on a 5 pt scale)

Of the 11 competencies we asked members to evaluate, each one scored at least a 4.38, with the top 3 being:

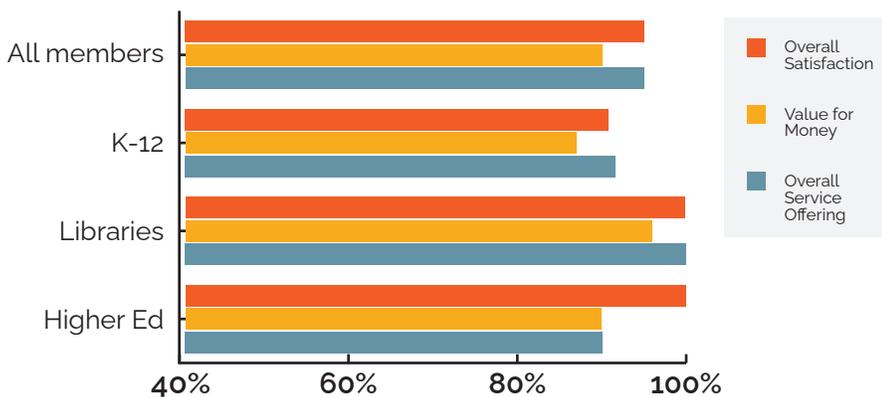
- 4.79 - Competency of staff
- 4.78 - Responsiveness
- 4.76 - Customer Service

### Network Connectivity Fee (based on a 5 pt scale)

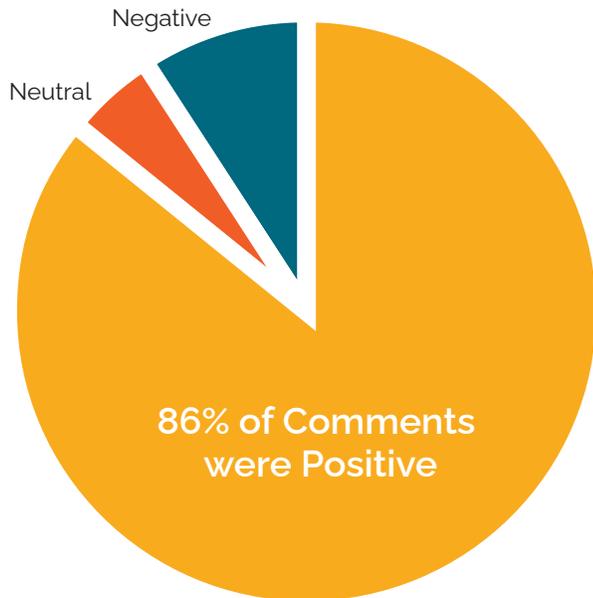
Of the 12 services included with a MOREnet connection, each one scored at least a 4.22, with the top 3 being:

- 4.82 - Network staff support
- 4.77 - Network performance
- 4.77 - Network reliability

Member Satisfaction by Member Group



# Annual Member Satisfaction Comments



## Top-Notch Support

MOREnet support is top-notch. You can always count on them to help when the need arises. They are prompt, courteous, and very knowledgeable. I also appreciate the follow-up I always get.

Boone County Family Resources

## Amazing Staff

MOREnet Team was fantastic setting up my new firewall. They had to work with six branches and our in-place phone systems. They were thorough and the transition was completed in a day.

MOREnet Help Desk is the very BEST! They are prompt to respond and never close anything until they make sure it is all taken care of.

Frankie Hannan  
Riverside Regional Library

## Helpful In A Variety Of Ways

I've always appreciated MOREnet's expertise and availability to help school districts in such a wide variety of topics. Being in a rural area we don't have a lot of access to technical resources even though we have most of the same issues. It's reassuring to know that I can reach out to MOREnet with almost any technical problem and they'll either be able to help me or direct me to someone who can.

Ryan Hoffman  
Kirbyville R-VI

## Couldn't Do It Without You

Our organization has been a full member of MOREnet services since we joined. We are a small rural library district and if it were not for MOREnet we would not be able to provide reliable Internet services in our small communities. Thank you for the services that you offer.

Christal Bruner  
Mexico-Audrain County Library

## A Commitment to Excellence

Over the past 26 years with MOREnet, I've witnessed significant growth and a consistent commitment to excellence. I truly appreciate the dedication to service and support by each member of the MOREnet team. I look forward to our continued partnership in the years ahead!

Ginger King  
Neosho School District

## **AGENDA ITEM SUMMARY**

### **EDUROAM PILOT FOR SCHOOLS AND LIBRARIES**

#### **AGENDA ITEM**

Eduroam Pilot for Schools and Libraries

#### **DESCRIPTION**

Eduroam is a secure, global roaming wireless access service that enables Wi-Fi for students, educators, staff and researchers. Designed for the research and education community, the solution is based on the use of RADIUS network access servers, typically at each participating site.

Imagine students traveling for MSHSAA activities, attending classes at other schools or libraries, participating in dual-credit programs with eduroam participating higher education institutions, educators visiting for collaboration, etc. Now, imagine them having the streamlined ability to immediately connect to the local wireless network when at a participating site by simply using their home institution credentials. This is the service and benefit we hope to enable for our members.

Internet2 operates eduroam in the U.S. and several of our peer R&E networks have their own eduroam service offerings in varying stages of adoption by their members. In addition, a few Missouri higher education members already use eduroam. The more participating R&E network members that adopt eduroam, both in state, regionally and across the nation, the greater the value for all.

MOREnet recently submitted a proposal to participate as an eduroam Service Organization (eSO), to support and guide member schools and libraries in the adoption and technical implementation of eduroam for their students and staff. We are pleased to share that we have been invited to participate in the 2025 eSO Cohort. We are excited to bring eduroam to more participating sites in Missouri through this offering and appreciate that Internet2 and the members of the eduroam advisory team agree that MOREnet is well-positioned to serve as an eduroam Support Organization for our K-12 and public library members.

Below is the 2025 Cohort program timeline. We will soon begin work to onboard five pilot sites for an On-Ramp period that will run from May to December. Should we find a positive response and additional interest to continue beyond the pilot, before January we will begin to actively promote and encourage eduroam participation for all our K-12 and public library members. We are also interested in exploring how best to encourage and support participation by our higher education members, particularly those that work closely with their local school districts.

# eduroam Support Organization program

## Program timeline



### RECOMMENDED ACTION

None

### ATTACHMENTS

None

## **AGENDA ITEM SUMMARY**

### **NSF CIMUSE REGIONAL COMPUTING GRANT UPDATE**

#### **AGENDA ITEM**

NSF CIMUSE Regional Compute Grant Update

#### **DESCRIPTION**

Missouri Western State University, Southeast Missouri State University, Truman State University, and Webster University were awarded a \$693,923 two-year grant for National Science Foundation: CC\* Regional Computing: Computational Infusion for Missouri Undergraduate Science and Education (CIMUSE).

MOREnet worked with these institutions and the University of Missouri Research Support Solutions (RSS) to develop a support model for the High Performance Computing (HPC) hardware acquired through the grant. The RSS will install, configure, secure, test, monitor and manage the hardware for use by Missouri's Primarily Undergraduate Institutions (PUIs).

**CIMUSE Cluster Availability** The CIMUSE 20 node compute cluster was installed, configured, and made available in November 2024, with the initial wave of researchers and instructors operating on the cluster today. RSS has implemented Open OnDemand, allowing users to access the CIMUSE regional compute cluster from any browser – greatly simplifying the authentication and access procedures for all users. (<https://support.access-ci.org/tools/ondemand>)

**Additional NSF Grants** Use of the CIMUSE cluster continues to expand for faculty research and classroom instruction. CIMUSE faculty are utilizing National Science Foundation Research Experiences for Undergraduates (REU) grants to engage undergraduates in the CIMUSE support structure. (<https://www.nsf.gov/funding/opportunities/reu-research-experiences-undergraduates>)

Several CIMUSE STEM faculty are pursuing an Improving Undergraduate STEM Education (IUSE:NSF EDU) grant for multiple institutions. (<https://www.nsf.gov/funding/opportunities/iuse-edu-improving-undergraduate-stem-education-directorate-stem>)

**CIMUSE Consortium** A formal consortium agreement has been perfected and signed by the initial four universities and shared with an emerging set of additional PUIs. Two institutions are reviewing the agreement with the intent to join the CIMUSE consortium. Additional institutions are encouraged to reach out for more information about the CIMUSE consortium and review the formal agreement.

**Background** The underlying principle behind the grant is to bring Research Computing and Data Services (RCD) to PUIs. PUIs graduate 40% of STEM graduates but were awarded less than 5% of NSF research dollars for Missouri in 2020. The grant is focused on increasing access to HPC, data storage, and robust connectivity for faculty and student research and undergraduate STEM instruction.

The Missouri Research and Education Network (MOREnet) and four first-wave PUIs continue to work together to remove barriers and bring a consistent set of resources to increase the research capabilities at under-resourced institutions, bring robust teaching tools to STEM instructors and provide computation-intensive experiences for STEM students becoming future STEM professionals.

**RECOMMENDED ACTION**

None.

**ATTACHMENT(S)**

None.