



METROPOLITAN EMERGENCY SERVICES BOARD 9-1-1 TECHNICAL OPERATIONS COMMITTEE AGENDA

December 18th, 2025, 10:00 a.m.

Hybrid Meeting

[Webex Meeting](#)

Phone: (408) 418-9388

Meeting Number: 2550 978 6271

Password: Ajzcf3g7f5 (25923334 when dialing from a phone or video system)

1. **Call to Order** – Kari Morrissey, 2025 Committee Chair
2. **Approval of Agenda** – Morrissey
3. **Approval of October 16th, 2025 Minutes** – Morrissey
4. **Action Items** – None
5. **Discussion Items**
 - A. 2026 Regional Needs Document – Frank Jarman
 - B. Code Red – ANI/ALI Data Discussion – Jarman
 - C. Safer Streets for All Grant Update – Tony Martin
 - D. Public Safety Telecommunicator Pension Update – Darlene Pankonie
 - E. ALI Changes for Non-Conventional 9-1-1 Calls – Pamela Oslin
 - F. School Mapping Project – Integration of Maps with RapidDeploy and Rapid SOS – Jarman/Jill Rohret
 - G. ECN Update – ECN
6. **Reports**
 - A. SECB Mapped ALI Workgroup – Heidi Hieserich
 - B. PSAP Operations Roundtable Workgroup – Heidi Meyer
 - C. SECB NG9-1-1 Technical Operations Workgroup – Scott Peterson
 - D. SECB NG9-1-1 Operations Workgroup – Morrissey/LaVae Robinson
 - E. SECB NG9-1-1 Committee – Harris/Brent Anderson
 - F. SECB IPAWS Committee – Morrissey
 - G. Minnesota Sheriff's Association PSAP Subcommittee Report – Susan Bowler
7. **New Business - None**
8. **Adjourn**

**Metropolitan Emergency Services Board
9-1-1 Technical Operations Committee
Meeting Minutes
October 16, 2025**

Committee Members Attendance:

Airport – Sara Boucher-Jackson
Allina EMS – Victoria Vadnais (Online)
Anoka County – Kari Morrissey
Bloomington – LaVae Robinson
Carver County – Susan Bowler
Chisago County – Mike Parker
Dakota County – Brent Anderson
Eden Prairie – Dennis Clark
Edina – Janelle Harris
Hennepin – Tony Martin
Hennepin EMS – Dan Klawitter
Isanti County – Robert Shogren

M Health EMS – **absent**
Metro Transit – Chad Ladda
Minneapolis – Joni Hodne
North Memorial – **absent**
Ramsey County – Dan Palmer
Ridgeview EMS – John Scheuch
Scott County – Scott Haas
Sherburne County – Laura Anderson
St. Louis Park – **absent**
U of M – Joe McCollow
Washington County – Darlene Pankonie

Alternates/Guests: Jill Bondhus, *IES*; Jeff Bonneville, *Minneapolis*; Kelley Callahan, *IES*; Leticia Cardenas, *Minneapolis*; Laura Espy, *RCECC*; Chad Gappa, *Motorola*; Kevin McNallan, *ACECC*; Mike Mihelich, *Ramsey County*; Lauren Petersen, *MSP Airport ECC*; Scott Petersen, *Minneapolis*; Leah Ramey, *MSI*; Carrie Sampson, *Metro Transit*; and Dave Taylor, *IES*.

MESB Staff: Elizabeth Clausen; Tracey Fredrick; Frank Jarman; Jacob Kallenbach; Pamela Oslin; and Jill Rohret.

1. Call to Order

The meeting was called to order at 10:00 a.m.

2. Approval of Agenda

Motion made by Susan Bowler, seconded by Robert Shogren to approve the October 16, 2025 9-1-1 TOC meeting agenda. Motion carried.

Roll call for Approval of Agenda

City/County/Organization	Name	Yes	No
Allina EMS	Victoria Vadnais	X	
Anoka County	Kari Morrissey	X	
Bloomington	LaVae Robinson	X	
Carver County	Susan Bowler	X	
Chisago County	Mike Parker	X	
Dakota County	Brent Anderson	X	
Eden Prairie	Dennis Clark	X	
Edina	Janelle Harris	X	

Hennepin County	Tony Martin	X	
Hennepin EMS	Dan Klawitter	X	
Isanti County	Bob Shogren	X	
M Health EMS			
MAC/Airport	Sara Boucher-Jackson	X	
Metro Transit	Chad Ladda	X	
Minneapolis	Joni Hodne	X	
North Memorial			
Ramsey County	Dan Palmer	X	
Ridgeview EMS	John Scheuch	X	
Scott County	Scott Haas	X	
Sherburne County	Laura Anderson	X	
St. Louis Park			
University of Minnesota	Joe McCollow	X	
Washington County			

Yea: 19 Nay: 0 Motion passes.

3. Approval of August 21, 2025 Minutes

Motion made by Scott Haas, seconded by Tony Martin to approve the August 21, 2025 9-1-1 TOC meeting minutes. Motion carried.

Roll call for Approval of August 21, 2025 Minutes

City/County/Organization	Name	Yes	No
Allina EMS	Victoria Vadnais	X	
Anoka County	Kari Morrissey	X	
Bloomington	LaVae Robinson	X	
Carver County	Susan Bowler	X	
Chisago County	Mike Parker	X	
Dakota County	Brent Anderson	X	
Eden Prairie	Dennis Clark	X	
Edina	Janelle Harris	X	
Hennepin County	Tony Martin	X	
Hennepin EMS	Dan Klawitter	X	
Isanti County	Bob Shogren	X	
M Health EMS			
MAC/Airport	Sara Boucher-Jackson	X	
Metro Transit	Chad Ladda	X	
Minneapolis	Joni Hodne	X	
North Memorial			
Ramsey County	Dan Palmer	X	
Ridgeview EMS	John Scheuch	X	
Scott County	Scott Haas	X	
Sherburne County	Laura Anderson	X	
St. Louis Park			
University of Minnesota	Joe McCollow	X	
Washington County			

Yea: 19 Nay: 0 Motion passes.

4. Presentation: Pano AI Fire Detection Cameras

Evan Mauro gave a presentation on the Pano AI fire detection cameras.

5. Action Items

A. Election of 2026 9-1-1 TOC Chair and Vice Chair

Motion made by Darlene Pankonie, seconded by LaVae Robinson to nominate and elect Kari Morrissey as 2026 9-1-1 TOC Chair. Motion carried.

Roll call for the Election of 2026 9-1-1 TOC Chair

City/County/Organization	Name	Yes	No
Allina EMS	Victoria Vadnais	X	
Anoka County	Kari Morrissey	X	
Bloomington	LaVae Robinson	X	
Carver County	Susan Bowler	X	
Chisago County	Mike Parker	X	
Dakota County	Brent Anderson	X	
Eden Prairie	Dennis Clark	X	
Edina	Janelle Harris	X	
Hennepin County	Tony Martin	X	
Hennepin EMS	Dan Klawitter	X	
Isanti County	Bob Shogren	X	
M Health EMS			
MAC/Airport	Sara Boucher-Jackson	X	
Metro Transit	Chad Ladda	X	
Minneapolis	Joni Hodne	X	
North Memorial			
Ramsey County	Dan Palmer	X	
Ridgeview EMS	John Scheuch	X	
Scott County	Scott Haas	X	
Sherburne County	Laura Anderson	X	
St. Louis Park			
University of Minnesota	Joe McCollow	X	
Washington County	Darlene Pankonie	X	

Yea: 20 Nay: 0 Motion passes.

Motion made by Robinson, seconded by Joni Hodne to nominate and elect Darlene Pankonie as 2026 9-1-1 TOC Vice Chair. Motion carried.

Roll call for the Election of 2026 9-1-1 TOC Vice Chair

City/County/Organization	Name	Yes	No
Allina EMS	Victoria Vadnais	X	
Anoka County	Kari Morrissey	X	
Bloomington	LaVae Robinson	X	
Carver County	Susan Bowler	X	
Chisago County	Mike Parker	X	
Dakota County	Brent Anderson	X	
Eden Prairie	Dennis Clark	X	

Edina	Janelle Harris	X	
Hennepin County	Tony Martin	X	
Hennepin EMS	Dan Klawitter	X	
Isanti County	Bob Shogren	X	
M Health EMS			
MAC/Airport	Sara Boucher-Jackson	X	
Metro Transit	Chad Ladda	X	
Minneapolis	Joni Hodne	X	
North Memorial			
Ramsey County	Dan Palmer	X	
Ridgeview EMS	John Scheuch	X	
Scott County	Scott Haas	X	
Sherburne County	Laura Anderson	X	
St. Louis Park			
University of Minnesota	Joe McCollow	X	
Washington County	Darlene Pankonie	X	

Yea: 20 Nay: 0 Motion passes.

B. 2026 Appointments to SECB Committees

The 2025 representatives and alternates are:

SECB IPAWS Committee

Primary: Kari Morrissey

Alternate: Scott Haas

SECB NG9-1-1 Committee

Primary: Janelle Harris

Alternate: Brent Anderson

The 2025 representatives for SECB workgroups are:

SECB NG9-1-1 Technical Operations Workgroup

Representative: Scott Petersen

SECB NG9-1-1 Operations Workgroup

Representative and Workgroup Leader: Kari Morrissey

Representative and Workgroup Leader: LaVae Robinson

Motion made by Tony Martin, seconded by Bowler to nominate and elect all 2025 representatives and have them continue in their current roles for 2026. Motion carried.

Roll call for the 2026 Appointments to the SECB Committees

City/County/Organization	Name	Yes	No
Allina EMS	Victoria Vadnais	X	
Anoka County	Kari Morrissey	X	
Bloomington	LaVae Robinson	X	
Carver County	Susan Bowler	X	
Chisago County	Mike Parker	X	
Dakota County	Brent Anderson	X	
Eden Prairie	Dennis Clark	X	
Edina	Janelle Harris	X	

Hennepin County	Tony Martin	X	
Hennepin EMS	Dan Klawitter	X	
Isanti County	Bob Shogren	X	
M Health EMS			
MAC/Airport	Sara Boucher-Jackson	X	
Metro Transit	Chad Ladda	X	
Minneapolis	Joni Hodne	X	
North Memorial			
Ramsey County	Dan Palmer	X	
Ridgeview EMS	John Scheuch	X	
Scott County	Scott Haas	X	
Sherburne County	Laura Anderson	X	
St. Louis Park			
University of Minnesota	Joe McCollow	X	
Washington County	Darlene Pankonie	X	

Yea: 20 Nay: 0 Motion passes.

C. Approval of 2026 Regional Funding Priorities

Jill Rohret gave an overview of the current 2026 regional funding priorities and asked for feedback on necessary changes and additions.

Pankonie said she would like to see the item titled 'emergency communications center staff recruitment/retention workload study' moved to the highest priority to help aid metro recruitment and retention.

Bowler said she would like to see the item titled 'indoor mapping' moved down in priority as school mapping work is already approved and underway.

Jill Bondhus said other regions within the state are keeping indoor mapping on their priorities list to save money towards mapping maintenance and upkeep.

Martin said he would like to see Blue Ethos resiliency training offered a couple times a year for the new hirings within Metro PSAPs.

Motion made by Martin, seconded by Hodne to approve the 2026 regional funding priorities with the mentioned changes to raise the priority of the staff recruitment/retention workload study and resiliency training. Motion carried.

Roll call for the 2026 Regional Funding Priorities

City/County/Organization	Name	Yes	No
Allina EMS	Victoria Vadnais	X	
Anoka County	Kari Morrissey	X	
Bloomington	LaVae Robinson	X	
Carver County	Susan Bowler	X	
Chisago County	Mike Parker	X	
Dakota County	Brent Anderson	X	
Eden Prairie	Dennis Clark	X	
Edina	Janelle Harris	X	
Hennepin County	Tony Martin	X	

Hennepin EMS	Dan Klawitter	X	
Isanti County	Bob Shogren	X	
M Health EMS			
MAC/Airport	Sara Boucher-Jackson	X	
Metro Transit	Chad Ladda	X	
Minneapolis	Joni Hodne	X	
North Memorial			
Ramsey County	Dan Palmer	X	
Ridgeview EMS	John Scheuch	X	
Scott County	Scott Haas	X	
Sherburne County	Laura Anderson	X	
St. Louis Park			
University of Minnesota	Joe McCollow	X	
Washington County	Darlene Pankonie	X	

Yea: 20 Nay: 0 Motion passes.

6. Discussion Items

A. Safer Streets for All Grant Update

Martin said there is no new update and no current timeline for a response. He will keep the 9-1-1 TOC updated as additional information becomes available.

B. MESB Communications Response Task Force (CRTF) Discussion

Tracey Fredrick gave an overview of the MESB Communications Response Task Force and highlighted some of the issues related to lack of commitment, training, and new membership. Fredrick said she is looking for guidance from the 9-1-1 TOC on whether to stick with the current plan, change direction, or completely disband the CRTF.

Pankonie said there needs to be more engagement from the metro counties and their various emergency response departments in keeping engagement and membership alive.

Martin said participation has been lacking due to the large amount of turnover within the region.

Fredrick said they could try to increase participation in 2026 and disband in 2027 if no improvements have occurred.

Pankonie said the CRTF informational documents/pamphlets should be re-issued to generate interest within county/agency centers.

C. Public Safety Telecommunicator Pension Update

Pankonie gave an update on the public safety telecommunicator pension plan. Reach out to Pankonie if you have any questions or comments.

D. ALI Changes for Non-Conventional 9-1-1 Calls

Pamela Oslin asked if the ALI changes for non-conventional 9-1-1 calls were causing issues at PSAPs and government centers and if there were any troubles identifying different call types. She proposed the possibility of adding codes and information to the ALI string to help identify call types and locations of calls.

Morrissey asked Oslin to gather additional information for the 9-1-1 TOC.

E. 2026 Meeting Dates

Rohret provided the 2026 meeting dates to the 9-1-1 TOC. The meeting will continue to occur every other month (even numbered months) with presentations on the off months.

Robinson suggested adding some additional time to the 9-1-1 TOC meetings to account for only meeting every other month.

Scott Haas said committee reports could be submitted in writing and then added to the meeting packet to save additional time.

F. ECN Update

Bondhus said responder cards for 9-8-8 are available. She gave an update on NG9-1-1 plans and status board communication.

7. Reports

The reports were skipped due to meeting time constraints.

8. New Business – None**9. Adjourn**

The meeting was adjourned at 12:08 p.m.



Metropolitan Emergency Services Board

2025 Regional Needs Document

Approved: May 14, 2025

The Metropolitan Emergency Services Board (MESB) is one of seven regional Emergency Communications Boards and Emergency Services Boards in the state of Minnesota. Formed in 1979 under MSS 471.59, and later amended in conformance with MS 403.39, and 403.392, the MESB provides local governance on matters related to emergency communications (9-1-1 and ARMER), as well as serving as the regional EMS system for the metro region. The MESB is a joint powers board composed of the following entities: Anoka County; Carver County; Chisago County; Dakota County; Hennepin County; Isanti County; Ramsey County; Scott County; Sherburne County; Washington County; and the City of Minneapolis.

The Public Safety Emergency Communications Ecosystem

The statewide Allied Radio Matrix for Emergency Response (ARMER) system, procured by the Metropolitan Radio Board, built by Motorola Solutions, and owned and operated by the Minnesota Department of Transportation (MnDOT), provides interoperable Land Mobile Radio (LMR) communication capabilities to 9-1-1 emergency communication centers (ECCs) (also known as Public Safety Answering Points or PSAPs), law enforcement, fire, Emergency Medical Services (EMS), emergency management, public works and other public safety users across Minnesota. Currently, the ARMER system has approximately 125,000 active radios.

Construction of the ARMER system in the Twin Cities metropolitan region began in the late 1990s and expanded to include Greater Minnesota in the mid-2000s. In late 2020, MnDOT completed its backbone of the ARMER system. There are 335 state-maintained and 100 locally maintained ARMER tower sites on the air across Minnesota. The system provides 95% coverage for mobile radios across the state. Of the 100 local ARMER towers, 54 are in the metro region.

As the ARMER system matures, there is a need to maintain and replace or upgrade aging infrastructure, equipment, and technology. Currently, the Statewide Emergency Communications Board (SECB), MnDOT, the Minnesota Department of Public Safety (DPS), and ARMER stakeholders endeavor to develop a capital improvement and funding plan to address this need.

In 1979, the Metropolitan 9-1-1 Telephone Board formed as a joint powers board of the seven metropolitan counties to plan, design, and implement the first multi-jurisdictional Enhanced 9-1-1 (E9-1-1) system in the United States. This system went live at midnight on December 1, 1982, and provided the basis for the statewide buildout of E9-1-1. Today, all 103 PSAPs in the state are part of the network. Of the 103 PSAPs in the state, 24 reside in the metro region. In 2024, the metro region answered 70% of all 9-1-1 calls in the state.

Planning for the 9-1-1 network to transition from E9-1-1 to Next Generation 9-1-1 (NG9-1-1) is underway. NG9-1-1 will provide PSAPs with additional capabilities to answer texts, receive photos and videos, provide improved 9-1-1 caller location, and provide pre-determined rules for routing 9-1-1 calls.

Today, DPS' Emergency Communication Networks (ECN) division contracts and pays for the statewide 9-1-1 network. Local governments pay for costs for a 9-1-1 system associated with receiving 9-1-1 calls and dispatching public safety responders. Local government costs (this is not an exhaustive list) include maintenance of the physical PSAP; salaries/benefits for PSAP employees, including public safety telecommunicators (PSTs), administrative and technical staff, and in some cases, dedicated GIS staff; employee training; purchase and maintenance of call handling equipment (CHE), including software, used to answer 9-1-1 calls; procure and maintain communications/radio equipment used to dispatch response to 9-1-1 calls; software or subscription services for training, quality assurance/quality control, CTO, and location mapping; software or subscription services to maintain the PSAP's 9-1-1 data and services, including GIS data; and software or subscription services to provide integrated public alert and warning systems (IPAWS) alerts to the public. Much like the ARMER system, as the 9-1-1 network and associated equipment continue to evolve, there is a need to maintain, upgrade, or replace aging equipment to allow for new technology to meet the expectations of the public, which would like to communicate with 9-1-1 in the way the public communicates with one another.

Much like hardships of recruitment and retention of staff across public safety disciplines, PSAPs today face difficulty in maintaining a full complement of PSTs which are needed to answer a PSAP's specific volume of 9-1-1 and administrative calls. PSAPs also face difficulty in recruiting new people to serve as PSTs, as many people do not wish to work in a high-stress environment or work nights, weekends, and/or holidays, which are required in a public safety field, without additional benefits similar to those received by other first responders.

Funding Considerations

The State of Minnesota's portion of the costs associated with operating the ARMER system is funded through a combination of trunk highway funds, 9-1-1 special revenue funds, and radio tower lease receipts.

Except for PSAP equipment and a limited portion of local infrastructure expenses which can be funded via the 9-1-1 special revenue fund, local costs (including tower site leases, utilities, and system and equipment maintenance) associated with the ARMER system are typically funded via local property tax revenues or per radio charges to ARMER system users in a county. Due to these constraints, public safety agencies across Minnesota face significant funding challenges related to the escalating costs of maintenance of ARMER system infrastructure, equipment, and technology. Without access to stable, adequate supplemental funding sources, it will be increasingly difficult for local entities to support their ongoing ARMER system maintenance and sustainment needs.

Regional Priorities

The following are priorities for regional projects. 9-1-1 projects are listed in priority order, followed by ARMER projects in priority order.

9-1-1 Projects

Comprehensive PSAP Staffing and Operations Study

MESB recognizes a critical need to conduct a comprehensive PSAP Staffing and Operations Study to address existing inconsistencies and establish best-practice guidelines across the region. The study will develop standardized staffing models and operational guidelines, including recommendations on minimum staffing levels relative to call volume, requirements for dedicated Quality Assurance personnel, and mandatory separation of duties for personnel managing law enforcement talk groups and call answering functions. Additionally, it should establish minimum training standards and recommendations for training coordinator positions within each PSAP. This strategic initiative aims to enhance efficiency, operational consistency, and overall service quality in emergency communications in the metro region.

Estimated cost: \$250,000

PSAP Continuity of Operations Study

Metro region PSAPs have varying capabilities for continuity of operations. Some PSAPs maintain dedicated backup call centers that can serve both their own operational needs and potentially assist neighboring PSAPs. One PSAP implemented an external agency 9-1-1 call queue, featuring a distinctive ring pattern, allowing for independent call answering separate from their primary lines. Other PSAPs plan to leverage local library facilities during disruptions due to essential services, such as CHE, being cloud-based applications. Other PSAPs have no alternative facility.

The MESB seeks funding for a comprehensive study to evaluate comprehensive PSAP staffing, operations, and current PSAP continuity capabilities and proposals for improvements tailored to regional demographics, call volumes, and operational needs. The study will assess the practicality and benefits of establishing a dedicated regional backup PSAP facility, including recommendations on how regular utilization could ensure operational familiarity and seamless transitions during PSAP relocations.

Estimated cost: \$250,000

Computer-Aided Dispatch (CAD)-to-CAD Interoperability Solution

The 24 primary and secondary PSAPs in the metro region desire procurement of a CAD-to-CAD integration solution designed to connect disparate CAD systems for the purpose of expediting emergency response which may cross jurisdictional and PSAP boundaries.

It is anticipated that the solution provides improved situational awareness for metro region PSAPs. Such a solution was found to be a need in the MESB's May/June 2020

Civil Unrest After Action Report/Improvement Plan. The solution allows other PSAPs to answer 9-1-1 calls intended for a PSAP which has been inundated with 9-1-1 calls; this provides 9-1-1 callers with better service in extraordinary situations/events.

MESB expects that implementing CAD-to-CAD integration will significantly enhance daily response times for cross-jurisdictional incidents. Currently incident relaying between PSAPs occurs manually, creating delays and increasing the potential for address errors. Automating this process through CAD-to-CAD communication will reduce response times, enhance accuracy, and improve overall operational efficiency.

Estimated cost: \$2.7 million - \$3.5 million

PSAP Radio Console Replacement

A large majority of ARMER users utilize Motorola MCC 7500 consoles to dispatch public safety resources in response to 9-1-1 calls. Motorola has announced end-of-life of this product and stated that the consoles must be replaced by early 2029 to maintain cybersecurity resilience. In 2024, Motorola stated that if there is one statewide contract to replace all consoles (736 stated in 2024), the cost would approximately be \$55,880,000 - \$56,500,000. If contract replacement is done via individual agency contracts, the cost was estimated to be \$80,000,000 - \$92,000,000. The metro region wishes to pursue a joint contract to replace all dispatch consoles in the region. This item includes all consoles except for those explicitly stated in individual agency projects below.

Estimated cost: Approximately \$100,000 per console or \$36,800,000 total, including encryption

Feasibility and Cost Effectiveness Study on Regional Purchase of PSAP Technology

A cost study initiated by the MESB analyzed 2023 costs of providing public safety communications in the metro region. The study demonstrated the possibility that local units of governments operating PSAP could save significant money if regional technology, such as CAD, logging, and CHE, were deployed. The aim of the feasibility and cost effectiveness study is to determine if cost savings would be realized if regional technology were deployed.

Estimated cost: \$200,000

Geo-Diverse 9-1-1 Call Handling Equipment (CHE) ESInet Connections

Taking advantage of geo-diverse technology offered by new CHE platforms allows 9-1-1 calls to be delivered to two locations simultaneously, which is an attractive option for Minnesota PSAPs to provide 9-1-1 network and call delivery redundancy. Geo-diverse configurations split the A and B services typically found at one location, into two separate geo-diverse locations, which allows for additional staff at another location, or PSAP, during extraordinarily busy times or special events to answer 9-1-1 and administrative calls while the main PSAP is still active. It also allows the PSAP to abandon its primary location while the backup- location is fully operational and gives

the opportunity for a staged evacuation while staff is enroute to the backup location. Additionally, the main PSAP can operate on the connections that exist at its backup location if the main PSAP experiences any technical issues with its connections. To allow for full redundancy and resiliency, each PSAP utilizing geo-diverse CHE should have two Emergency Services Internet (ESInet) connections at each location to ensure the maximum number of 9-1-1 calls can be received at either location at any time, regardless of any problems occurring at the other location. Currently, ECN pays for two ESInet connections at each PSAP, which is the typical setup for legacy CHE. ECN should reconsider its position and pay for four ESInet connections for PSAPs which implement geo-diverse CHE systems. Having four ESInet connections provides improved resiliency and redundancy for PSAP's 9-1-1 system and best serves the residents of its jurisdiction.

Estimated cost: \$216,000 annually, in addition to ECN's current costs

GIS Software Services – Web-Based Map Viewer

GIS software services are needed to support the creation, conversion, and maintenance of GIS-derived Master Street Address Guides (MSAGs) for PSAPs in the ten-county metro region. The web-based map viewer allows all metro region PSAPs and GIS partners to have visibility to the region's current NG9-1-1 and related geospatial datasets in a secure, shared environment, allowing for seamless data sharing, greater collaboration, and improved data integrity.

Estimated cost: \$353,000 for five years, including implementation costs

Telecommunicator Resiliency Training

Over the last six years, the MESB received grant funds for resiliency training for metro public safety telecommunicators in an effort to maintain their emotional well-being, but also to assist in their retention as employees. In 2025, MESB contracted with Blue Ethos for this training, and it has been very well received. The training given was a shortened version, and there is a desire to provide additional training in the future.

Estimate cost: \$100,000

ARMER Projects

Bi-Directional Amplifiers (BDAs) in Schools and Government Buildings

Many government facilities and schools in the region have ARMER coverage gaps and would benefit from having BDAs installed, allowing first responders with ARMER radios to communicate via the ARMER system no matter where in a building the responder is located.

Estimated cost: \$40 million in capital costs; \$4 million in annual maintenance costs

AES Encryption for Subscriber Radios

The SECB recommends ARMER users transition to Advanced Encryption Standard (AES) encryption for transmitting criminal justice information or sensitive radio transmissions on the ARMER system. To achieve this, supplemental funding is necessary to replace or upgrade existing ARMER subscriber equipment for public safety agencies. It is recommended to most agencies that, as devices are upgraded, purchase AES encryption-capable devices. The Metro Region also desires to procure a key management facility (KMF) device for use across the region.

Estimated cost: \$100 million plus \$5,000 for initial KMF cost

Vendor-provided Radio Technical Training

According to SECB standards, system administrators are required to complete technical training once every two years. To keep current with evolving technology, vendor technical training must be provided.

Estimated cost: \$45,000 annually

CRTF Training and Exercises

The Metro Communications Response Task Force (CRTF) holds quarterly training/exercises for deployable personnel to remain current with local, state, and national training standards. These deployable personnel typically assist in the field, the command post, emergency operations centers (EOCs), and PSAPs during planned and emergency events.

Estimated cost: \$10,000 annually

Ongoing Maintenance for Existing ARMER Infrastructure

Every five years, MnDOT executes a service contract with Motorola for maintenance of and upgrades to the ARMER system. A combination of 9-1-1 fees, state funds, and state trunked highway funds pay for maintenance of state-owned infrastructure. Counties and the City of Minneapolis own local enhancements, which are additional tower sites and/or channels which interconnect to state-owned sites to provide additional coverage and capacity for local users. Though local enhancements are shared with general users of the ARMER system, funding for the enhancements and related backhaul network is provided by the local agency which owns the enhancement. Since the state-owned and locally owned infrastructure form the completed radio network, a funding source to assist in paying for maintenance of all sites must be determined. With a higher-than-expected price increase for the 2026-2030 maintenance agreement, paired with increases in operating costs and the need to replace aging infrastructure, the financial burden on local agencies can no longer be borne without a significant increase to the tax levy.

Estimated cost: \$4 million annually

Subscriber Equipment Replacement

Subscriber radios (mobiles and portables) used to communicate via the ARMER system have a finite lifespan. Radios reach end of life status when firmware, batteries, or replacement parts become unavailable. Public safety agencies continuing to use outdated subscriber equipment often results in distorted or incomplete communications. Regular replacement of equipment in the metro region is typically funded locally, using no state or federal funds. Having an additional shared funding source to purchase this equipment would be ideal to ensure the quality and consistency of emergency communications.

Estimated cost: \$52 million

Strategic Coverage Enhancement Equipment

Throughout the metro region, a significant number of buildings lack adequate indoor ARMER coverage. Newly constructed structures often do not consider the need for public safety communications when built. The metro region wishes to purchase equipment that enhances coverage in these structures which can be deployed across the region on a rapid deployment basis. The desired equipment includes two mobile transceivers, a portable rack, and a JPS module. The region wishes to purchase two of the packaged units.

Estimated cost: \$50,000

In-Building Coverage Assessment Equipment

With discussion about school mapping, the metro region partners have discussed the difficulties in completing coverage assessments to determine where gaps in buildings occur. Furthermore, many regional partners do not have equipment sufficient to perform these assessments. The metro region wished to purchase equipment that can be shared between all regional partners to perform these assessments at any time in the future. The suggested equipment is an Anritsu LMR Site Master S412D.

Estimated cost: \$40,000 initial cost, plus \$10,000 recurring annual license

Base Station Replacement

The metro region is looking at a proactive approach to come in line with the Motorola lifecycle replacement. In the 2030 Motorola lifecycle plan, base stations will need to be replaced, at a significant cost to local agencies. The metro region also has 10 subsystem sites, which will have a higher replacement cost. This item is meant to be for awareness, as the funding will be needed beginning in State Fiscal Year 2029.

Estimated cost: \$89.68 million (\$82.5 million for 1500 base stations, \$7.18 million for subsystems)

Agency Priorities

The following are local agency priorities, including both 9-1-1 and ARMER projects.

Carver County

Replacement of ARMER Tower Site

Carver County installed ARMER equipment at a tower structure located in Hollywood Township since ARMER's inception. Ownership of the tower has changed from private ownership to ownership by the local township, has been shortened from its original design, and is halfway through its economic lifespan. With permitting, licensing, and construction timelines, the County plans to replace the tower by 20xx.

Estimated cost: \$1.5 million

Additional ARMER Local Enhancement Site

Since Carver County built its local enhancement subsystem in the early 2000s, it has identified the need for an additional site. The County wishes to add this site to provide better ARMER coverage for public safety response to emergencies in the Waconia area of the county.

Estimated cost: \$1.5 million

CAD Replacement

Carver County 9-1-1 expects to replace its CAD in 2027-2028. This purchase would be made with the potential to interface or integrate with a regional CAD-to-CAD solution.

Estimated cost: \$1 million

CHE Upgrade/Replacement

Carver County Sheriff's Office must upgrade its PSAP's CHE. The current system was purchased in 2014 and has had a complete hardware refresh. The current contract expires in May 2027. This system is a shared/hosted system with Ridgeview Medical Center known as CHS-2. The upgrade/replacement CHE will meet NG9-1-1 standards.

Estimated cost: \$650,000

9-1-1 Logger Replacement

Carver County's 9-1-1 logger is scheduled for replacement in 2026.

Estimated cost: \$400,000

Chisago County

9-1-1 Cybersecurity Equipment

In 2025, Chisago County is undergoing a security audit of its CHE. The county expects to require additional equipment in 2026 to meet cybersecurity requirements of both the county and an NG9-1-1 network.

Estimated cost: \$100,000

Replacement of Fire Simulcast Paging System

Chisago County requires replacement of its simulcast fire paging system in 2029.

Estimated cost: \$300,000

CHE Replacement

Chisago County requires replacement of its CHE to maintain compatibility with i3 requirements. Replacement timeline may depend on Minnesota's migration to NG9-1-1.

Estimated cost: \$500,000

2027-2028 HVAC Replacement at ARMER Tower Sites

HVAC units at Chisago County-owned ARMER sites require replacement, as tower sites are aging and equipment is nearing the end of expected life.

Estimated cost: \$275,000

Back-up Battery Replacement at ARMER Tower Sites

Chisago County plans to replace -48-volt power plant and backup batteries at county-owned ARMER sites in 2027-2028. Equipment at the tower sites is powered by -48 volt DC power, the rectifier power plants convert the AC power from the power company and on-site generator into DC power. The backup batteries power the equipment during power outages until the on-site generator starts up and can produce power for the equipment.

Estimated cost: \$175,000

Dakota County/Dakota 9-1-1

Additional ARMER Local Enhancement Site

Since Dakota County built its local enhancement subsystem, the need for an additional 11th site was identified. The County wishes to add this site to provide better ARMER coverage for public safety response to emergencies in the Castle Rock area of the county.

Estimated cost: \$1.5 million

CAD Replacement

Dakota 9-1-1 expects to replace its CAD in 2028. It is possible that this procurement could be leveraged to result in a regional CAD procurement, dependent on the results of the aforementioned Feasibility and Cost Effectiveness Study.

Estimated cost: \$3 million (county only)

CHE Replacement

Dakota 9-1-1 is currently part of the statewide Motorola Software as a Service (SaaS) CHE system, with the contract terminating in 2028. The county has experienced several technical issues resulting in the CHE going down and requiring 9-1-1 calls to be alternately routed; these experiences resulted in concern regarding the viability of the state's fifth largest PSAP (by 2024 call volume) operating on this shared system.

Estimated cost: \$825,000 over five years, plus non-recurring charges

9-1-1 Logger Replacement

Dakota 9-1-1's 9-1-1 logger is scheduled for replacement in 2030.

Estimated cost: \$266,000

Hennepin County

Additional ARMER Local Enhancement Site

Hennepin County identified a need to add (an) additional ARMER tower site to its Hennepin East local enhancement subsystem to provide better ARMER coverage for public safety response in the Edina area(s) of the county.

Estimated cost: \$2.5 million

Ramsey County

2029-2032 ARMER Equipment Platform Replacement

In the 2029-2032 timeframe, Ramsey County will replace existing ARMER equipment which is facing manufacturer end-of-life. The equipment to be replaced includes the prime site controller and 168 base stations for Ramsey County's seven-site ARMER subsystem.

Estimated cost: \$10 million

Scott County

Additional ARMER Local Enhancement Site

Scott County identified a need to add an additional ARMER tower site to the local enhancement subsystem it owns with Carver County. The additional site would provide

improved ARMER coverage for public safety response in the Shakopee area of the county.

Estimated cost: \$1.75 million

Sherburne County

Upgrade to Fire & EMS Simulcast Paging System

Sherburne County requires an upgrade to its simulcast paging system to page out fire and EMS responders.

Estimated cost: \$360,000

Washington County

Additional ARMER Local Enhancement Site

Since Washington County built its local enhancement subsystem, the need for an additional 15th site was identified. The County wishes to add this site to provide better ARMER coverage for public safety response to emergencies in the southern area of the county, primarily the City of Cottage Grove.

Estimated cost: \$1.5 million

2027 CHE Upgrade

Washington County Sheriff's Office must upgrade its PSAP's CHE. Its current system was installed in 2021 and will require an upgrade for cybersecurity, additional functionality, and to continue to be ready for NG9-1-1.

Estimated cost: \$1 million

2027 PSAP Backup Center

Washington County has purchased property on which it plans to build a back-up center for its PSAP. The County is in the planning stage for this project

Estimated cost: \$2 million

City of Bloomington

Microwave Link Upgrade

The City of Bloomington has a microwave link connecting its PSAP to the ARMER system which requires an upgrade.

Estimated cost: \$130,000

CAD Replacement

The City of Bloomington anticipates a CAD replacement in 2028-2029. It is possible that this procurement could be leveraged to result in a regional CAD procurement, dependent on the results of the aforementioned Feasibility and Cost Effectiveness Study.

Estimated cost: \$1 million

City of Eden Prairie

2026 Console Replacement

The City of Eden Prairie is building a new 9-1-1 center and requires new consoles for the center. The city will purchase the new AXS dispatch consoles and will do so before the required 2029 upgrade.

Estimated cost: \$901,747

City of St. Louis Park

2027 Console Replacement

City of St. Louis Park is planning a new police building, which would include a new PSAP. Should these plans move forward, the City will require replacement of its four current consoles as well as four additional consoles in 2027, which includes two for working Supervisor/Lead Dispatcher offices.

Estimated cost: \$900,000 - \$1.5 million

Consolette Replacement

St. Louis Park has ten consolettes for varying functions in its PSAP. Three consolettes serve as back-up radios for the City's COOP plan, six are used for logging, and one is for use in the PSAP's restroom. These radios are end-of-life on June 30, 2025.

Estimated cost: \$70,000

2026 CAD/RMS Replacement

City of St. Louis Park plans to procure new CAD and RMS in June 2026. The procurement may be a stand-alone system, or it may leverage the City of Edina's CAD/RMS and share the technology. It is possible that this procurement could be leveraged to result in a regional CAD procurement, dependent on the results of the aforementioned Feasibility and Cost Effectiveness Study.

Estimated cost: \$450,000 (if shared with Edina) or \$950,000

MSP Airport 9-1-1

2026 Console Addition

MSP Airport 9-1-1 plans to add a five-console site, plus AIS, to serve as a backup to its current PSAP prior to the completion of its new PSAP.

Estimated cost: \$600,000

2027 Console Replacement

MSP Airport 9-1-1 is building a new PSAP and plans to replace its consoles before occupancy in mid-2027.

Estimated cost: \$900,000

ARMER Microwave Link Upgrade

MSP Airport needs to upgrade its ARMER microwave link connecting its PSAP to the ARMER network.

Estimated cost: \$150,000

Hennepin EMS

2027 Console Replacement

Hennepin EMS is in the planning process for a new emergency communications center, which will double its current console count to 12. This change will occur prior to the required 2029 upgrade.

Estimated cost: \$1.080 million

M Health Fairview EMS

2026-2027 Additional Console Purchase

M Health Fairview EMS plans to purchase two MCC7500e consoles in the next one to two years.

Estimated cost: \$100,000

Metro Transit

2025 Console Upgrade

Metro Transit will upgrade its consoles in 2025.

Estimated cost: \$750,000 (funding secured)

Joint Operations Center

By 2030, Metro Transit plans to build a joint operations center to combine rail, bus, and police operations in one center.

Estimated cost: \$30 million

New CHE Purchase

Metro Transit plans to purchase new CHE in the fourth quarter 2025 or first quarter 2026.

Estimated cost: \$1 million

Regional Needs Assessment Summary by Region
December 1, 2025

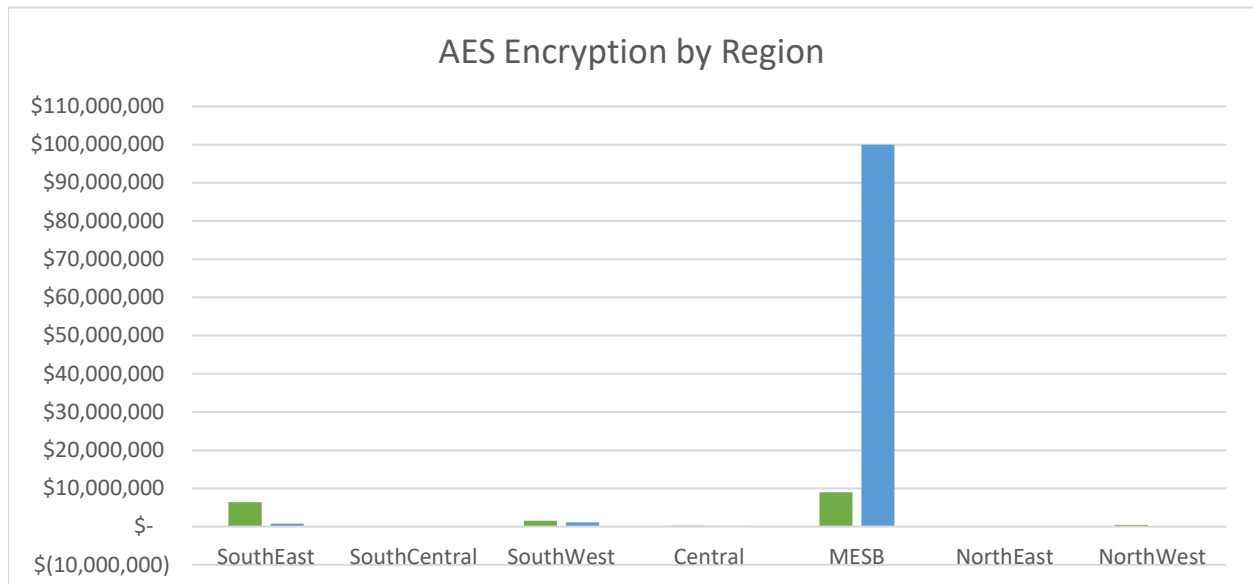
Type of Cost	12 Members SouthEast	11 Members SouthCentral	15 Members SouthWest	19 Members Central	11 Members MESB	16 Members NorthEast	17 Members NorthWest	Totals By Type of Cost
Local Coverage Gaps	\$ 1,000,000	\$ 200,000	\$ 1,425,000	\$ 3,082,437	\$ 48,840,000	\$ -	\$ 665,000	\$ 55,212,437
BDA						\$ 1,300,000		
Radio Sites						\$ -		
Repeaters						\$ -		
Emergency Responding Paging	\$ 780,000	\$ 158,200	\$ 522,300	\$ 1,463,485	\$ 660,000	\$ 560,000	\$ 543,000	\$ 4,686,985
PSAP Equipment	\$ 1,619,200	\$ 1,958,145	\$ 175,000	\$ 457,393	\$ 53,038,747	\$ -	\$ 1,975,349	\$ 59,223,834
Call Handling Equipment	\$ 587,500		\$ 390,000			\$ 100,000		
Consoles - Additions/Replacements			\$ 3,000,000					
Consolettes	\$ 12,000							
NG911 PSAP Readiness Equip.			\$ 30,000					
Regional PSAP Backup Facility	\$ 5,200,000	\$ 2,000,000						
CAD Software	\$ 591,000		\$ 1,060,000					
Voice Logger	\$ 145,000		\$ 165,000					
Subscriber EQ	\$ 900,000	\$ 16,858,403	\$ 4,848,500	\$ 22,517,777	\$ 52,070,000	\$ 37,127,792	\$ 7,819,308	\$ 142,141,780
Local Infrastructure	\$ 950,000	\$ 390,000	\$ 940,000	\$ 1,480,050	\$ 101,910,000	\$ -	\$ 41,462	\$ 105,711,512
Fiber - Subsite Connectivity								
Tower Site and Fiber								
ARMER Site Enhancements (Power & Bldg)								
ARMER Programming Terminals								
Microwave Links								
VPM Replacement								
Regional Channel Capicity								
Simulcast Controlers								
Transportable BDA								
Site HVAC								
Tower AMPS								
AES Encryption	\$ 750,000	\$ 142,310	\$ 1,130,000	\$ 159,448	\$ 100,000,005	\$ -	\$ 109,838	\$ 102,291,601
Training	\$ 200,000	\$ -	\$ 455,000	\$ -	\$ 155,000	\$ 121,000	\$ 10,000	\$ 941,000
CRTF								
ARMER - Train the Trainer								
ARMER - Console								
Comm's Training								
COML								
COMT								
ARMER CPS								
ARMER System Admiin								
IPAWS								
ARMER CPS								
Mental Health	\$ 34,000							
ARMER System Admiin								
Cybersecurity			\$ 25,000					
Other Equipment/Software	\$ 350,000	\$ -	\$ -	\$ -	\$ 35,500,000	\$ 4,324,000	\$ 651,433	\$ 40,825,433

Regional Needs Assessment Summary by Region
May 31, 2025

Type of Cost	12 Members SouthEast	11 Members SouthCentral	15 Members SouthWest	19 Members Central	11 Members MESB	16 Members NorthEast	17 Members NorthWest	Totals By Type of Cost
CAD to CAD Interoperability								
GIS Mapping Indoor/Outdoor								
IPAWS Software	\$ 75,000							
Cybersecurity Monitoring			\$ 70,000					
Interoperability			\$ 100,000					
911 Reliability Improvements (Towers, Fiber Backhaul, other Infrastructure)						\$ 500,000.00		
WiFi Go Box								
Maintenance	\$ -	\$ -	\$ -	\$ -	\$ 8,353,000	\$ -	\$ -	a
ARMER Maintenace								
GIS School Mapping	\$ 95,200	\$ 74,400	\$ 126,000	\$ 116,800	\$ 522,000	\$ 90,000	\$ 78,000	
Governance			\$ 80,000					
Professional Services/Consulting					\$ 700,000			
Totals By Region	\$ 13,288,900	\$ 21,781,458	\$ 14,541,800	\$ 29,277,390	\$ 401,748,752	\$ 44,122,792	\$ 11,893,390	\$ 511,034,582

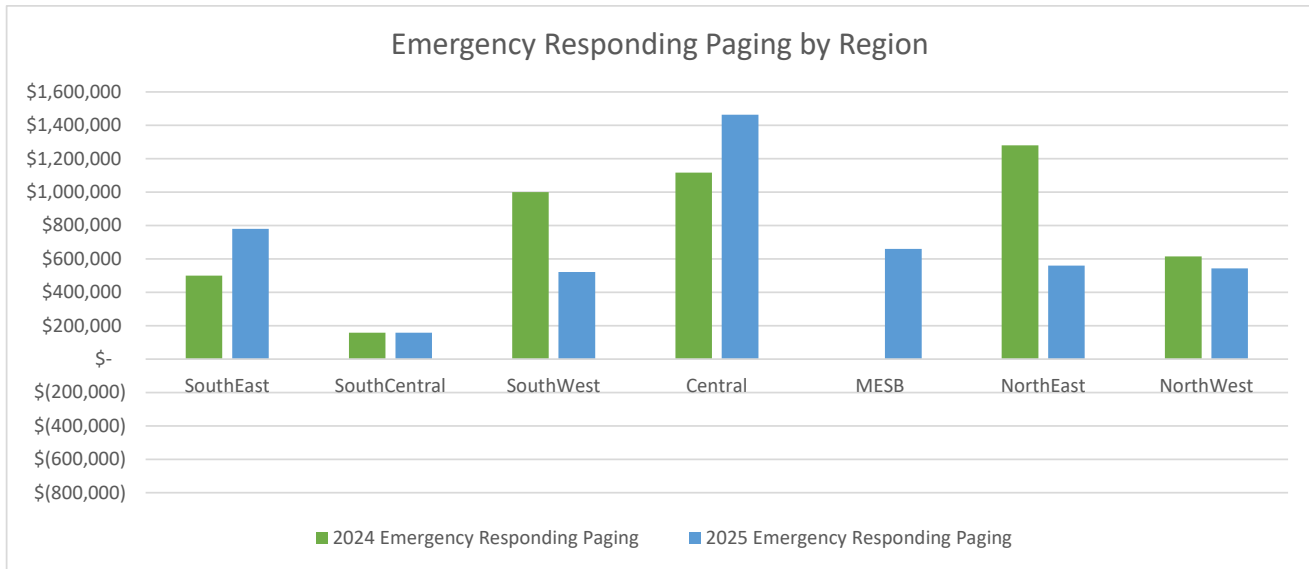
AES Encryption

Region Name	2024 AES Encryption	2025 AES Encryption	Difference
SouthEast	\$ 6,427,000	\$ 750,000	\$ (5,677,000)
SouthCentral	\$ 142,310	\$ 142,310	\$ -
SouthWest	\$ 1,500,000	\$ 1,130,000	\$ (370,000)
Central	\$ 268,000	\$ 159,448	\$ (108,552)
MESB	\$ 9,000,000	\$ 100,000,005	\$ 91,000,005
NorthEast	\$ -	\$ -	\$ -
NorthWest	\$ 438,428	\$ 109,838	\$ (328,590)
Tribal Communities	\$ -	\$ -	\$ -
MN DOT	\$ -	\$ -	\$ -
	\$ 17,775,738	\$ 102,291,601	\$ 84,515,864



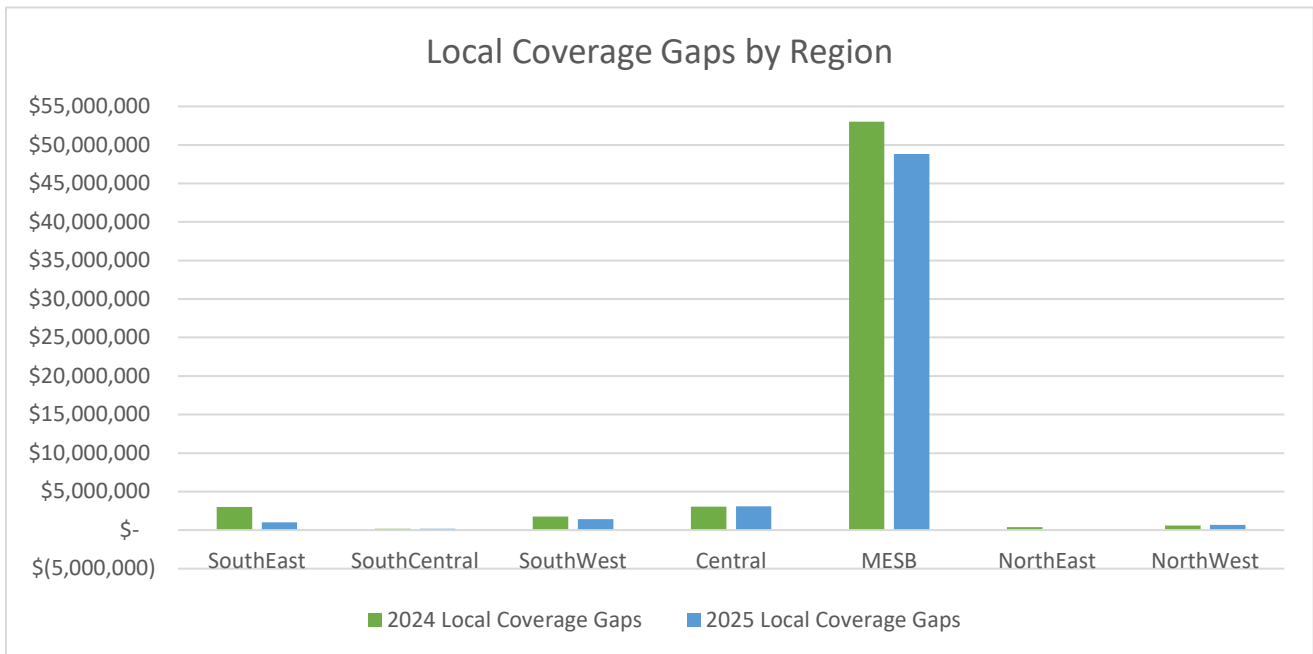
Emergency Responding Paging

Region Name	2024 Emergency Responding Paging	2025 Emergency Responding Paging	Difference
SouthEast	\$ 500,000	\$ 780,000	\$ 280,000
SouthCentral	\$ 158,200	\$ 158,200	\$ -
SouthWest	\$ 1,000,000	\$ 522,300	\$ (477,700)
Central	\$ 1,116,805	\$ 1,463,485	\$ 346,680
MESB	\$ -	\$ 660,000	\$ 660,000
NorthEast	\$ 1,280,000	\$ 560,000	\$ (720,000)
NorthWest	\$ 615,000	\$ 543,000	\$ (72,000)
Tribal Communities	\$ -	\$ -	\$ -
MN DOT	\$ -	\$ -	\$ -
	\$ 4,670,005	\$ 4,686,985	\$ 16,980



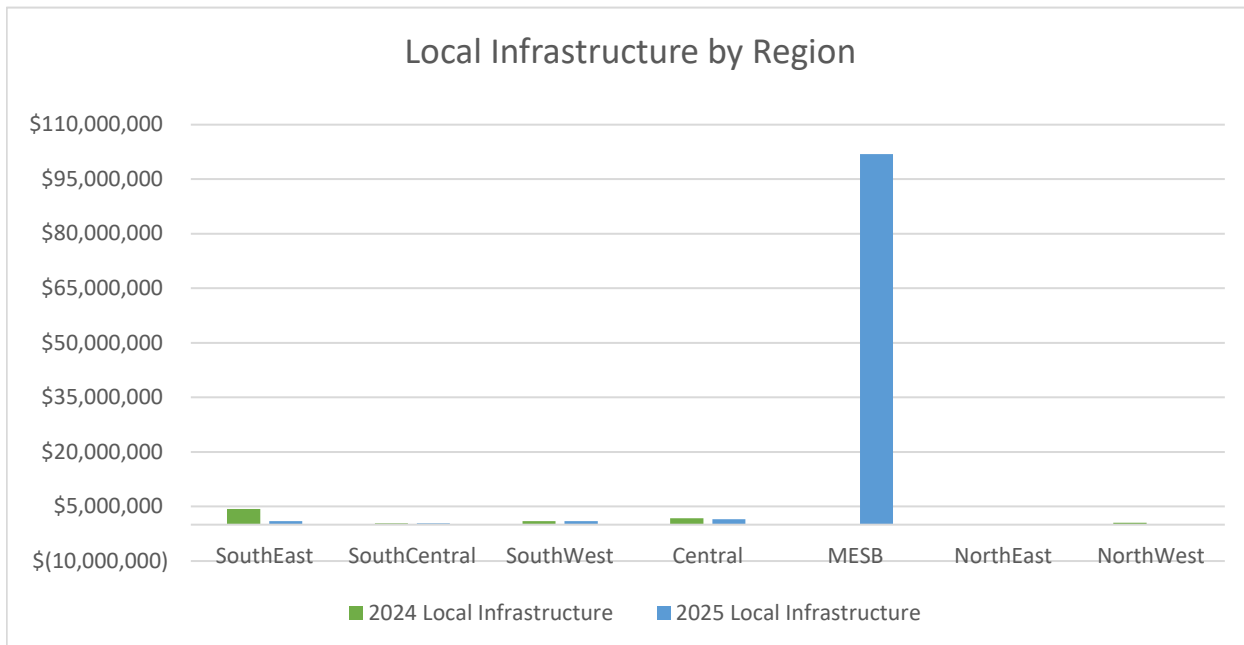
Local Coverage Gaps

Region Name	2024 Local Coverage Gaps	2025 Local Coverage Gaps	Difference
SouthEast	\$ 3,000,000	\$ 1,000,000	\$ (2,000,000)
SouthCentral	\$ 200,000	\$ 200,000	\$ -
SouthWest	\$ 1,750,000	\$ 1,425,000	\$ (325,000)
Central	\$ 3,036,320	\$ 3,082,437	\$ 46,117
MESB	\$ 53,000,000	\$ 48,840,000	\$ (4,160,000)
NorthEast	\$ 370,000	\$ -	\$ (370,000)
NorthWest	\$ 575,000	\$ 665,000	\$ 90,000
Tribal Communities	\$ -	\$ -	\$ -
MN DOT	\$ -	\$ -	\$ -
	\$ 61,931,320	\$ 55,212,437	\$ (6,718,883)



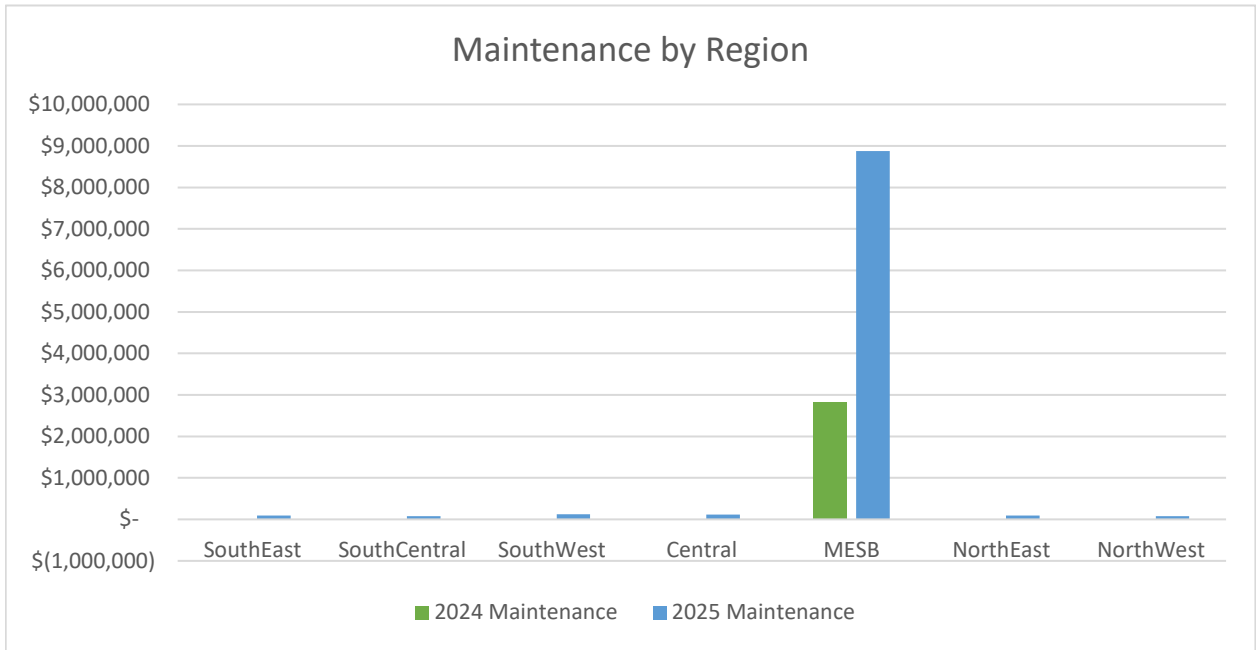
Local Infrastructure

Region Name	2024 Local Infrastructure	2025 Local Infrastructure	Difference
SouthEast	\$ 4,332,475	\$ 950,000	\$ (3,382,475)
SouthCentral	\$ 390,000	\$ 390,000	\$ -
SouthWest	\$ 1,000,000	\$ 940,000	\$ (60,000)
Central	\$ 1,730,050	\$ 1,480,050	\$ (250,000)
MESB	\$ 42,000	\$ 101,910,000	\$ 101,868,000
NorthEast	\$ -	\$ -	\$ -
NorthWest	\$ 568,462	\$ 41,462	\$ (527,000)
Tribal Communities	\$ -	\$ -	\$ -
MN DOT	\$ -	\$ -	\$ -
	\$ 8,062,987	\$ 105,711,512	\$ 97,648,525



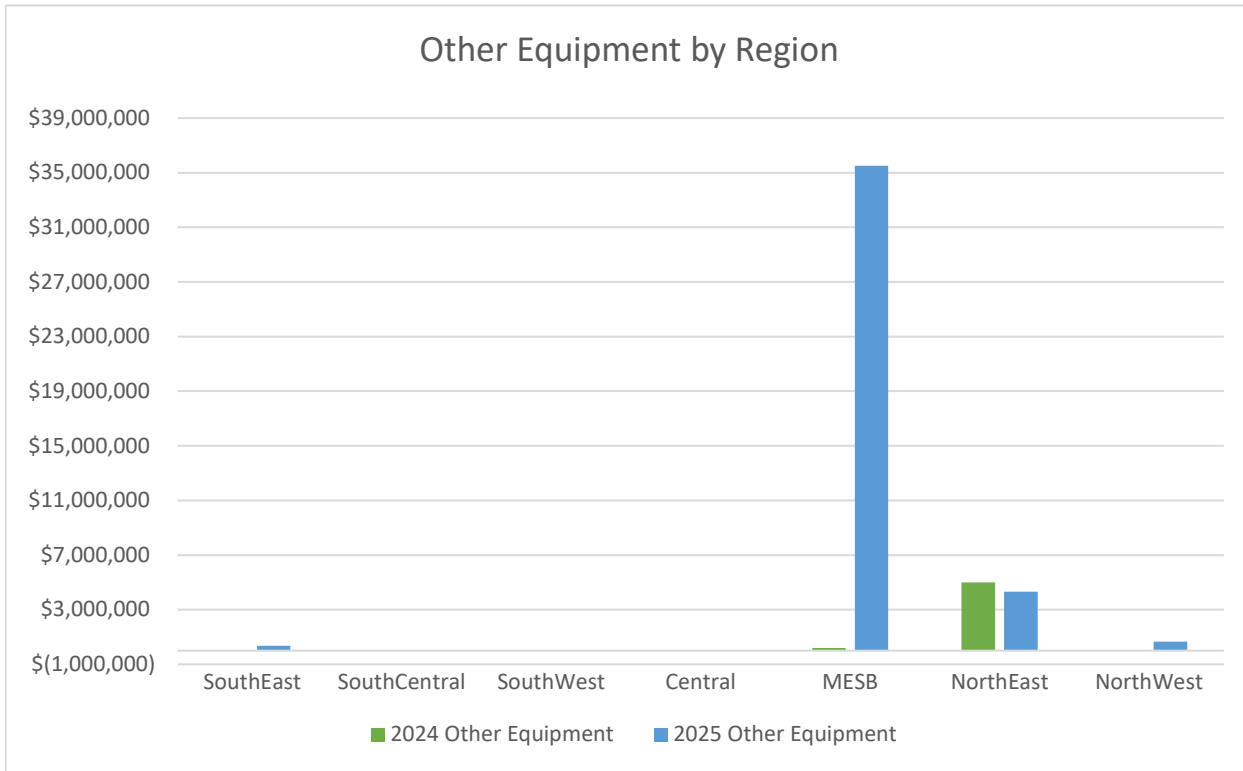
Maintenance

Region Name	2024 Maintenance	2025 Maintenance	Difference
SouthEast	\$ -	\$ 95,200	\$ 95,200
SouthCentral	\$ -	\$ 74,400	\$ 74,400
SouthWest	\$ -	\$ 126,000	\$ 126,000
Central	\$ -	\$ 116,800	\$ 116,800
MESB	\$ 2,830,350	\$ 8,875,000	\$ 6,044,650
NorthEast	\$ -	\$ 90,000	\$ 90,000
NorthWest	\$ -	\$ 78,000	\$ 78,000
Tribal Communities	\$ -	\$ -	\$ -
MN DOT	\$ -	\$ -	\$ -
	\$ 2,830,350	\$ 9,455,400	\$ 6,625,050



Other Equipment

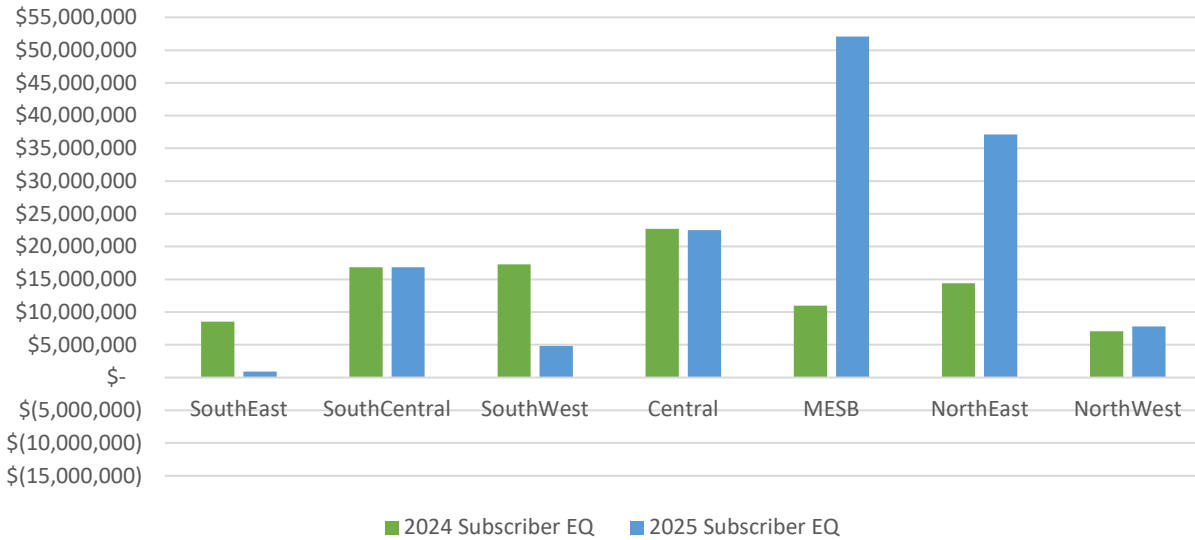
Region Name	2024 Other Equipment	2025 Other Equipment	Difference
SouthEast	\$ -	\$ 350,000	\$ 350,000
SouthCentral	\$ -	\$ -	\$ -
SouthWest	\$ -	\$ -	\$ -
Central	\$ -	\$ -	\$ -
MESB	\$ 200,000	\$ 35,500,000	\$ 35,300,000
NorthEast	\$ 5,006,000	\$ 4,324,000	\$ (682,000)
NorthWest	\$ -	\$ 651,433	\$ 651,433
Tribal Communities	\$ -	\$ -	\$ -
MN DOT	\$ -	\$ -	\$ -
	\$ 5,206,000	\$ 40,825,433	\$ 35,619,433



Subscriber EQ

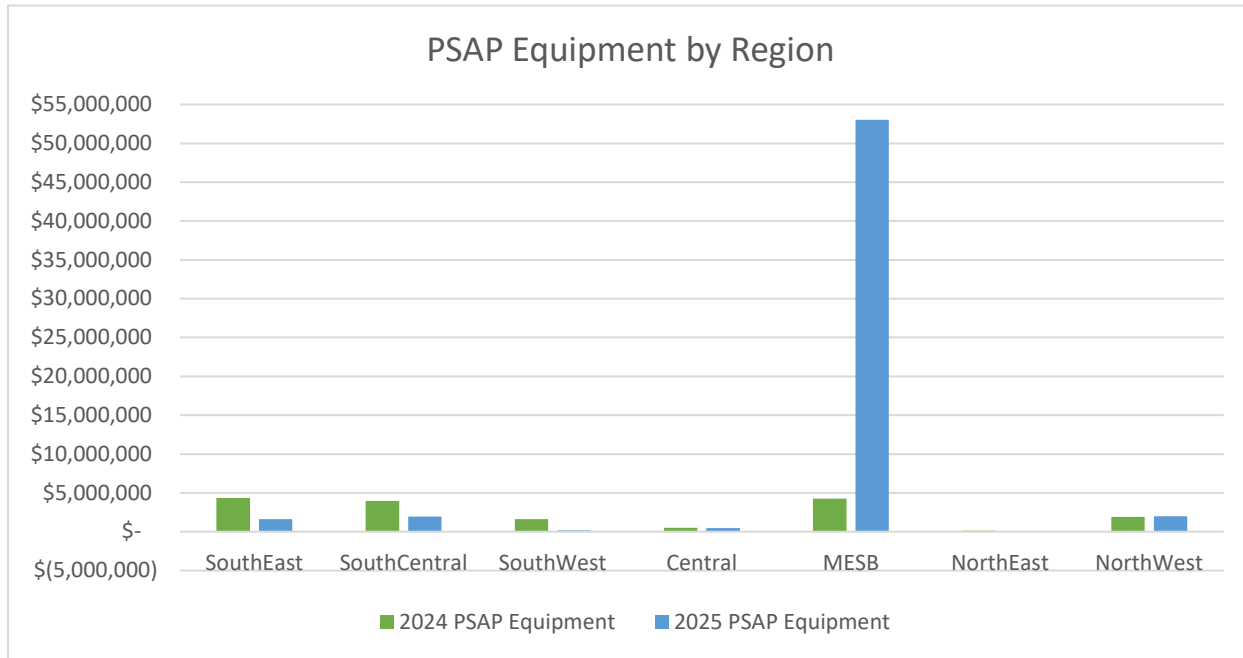
Region Name	2024 Subscriber EQ	2025 Subscriber EQ	Difference
SouthEast	\$ 8,529,500	\$ 900,000	\$ (7,629,500)
SouthCentral	\$ 16,858,403	\$ 16,858,403	\$ -
SouthWest	\$ 17,300,000	\$ 4,848,500	\$ (12,451,500)
Central	\$ 22,727,929	\$ 22,517,777	\$ (210,152)
MESB	\$ 11,000,000	\$ 52,070,000	\$ 41,070,000
NorthEast	\$ 14,400,000	\$ 37,127,792	\$ 22,727,792
NorthWest	\$ 7,068,853	\$ 7,819,308	\$ 750,455
Tribal Communities	\$ -	\$ -	\$ -
MN DOT	\$ -	\$ -	\$ -
	\$ 97,884,685	\$ 142,141,780	\$ 44,257,095

Subscriber EQ by Region



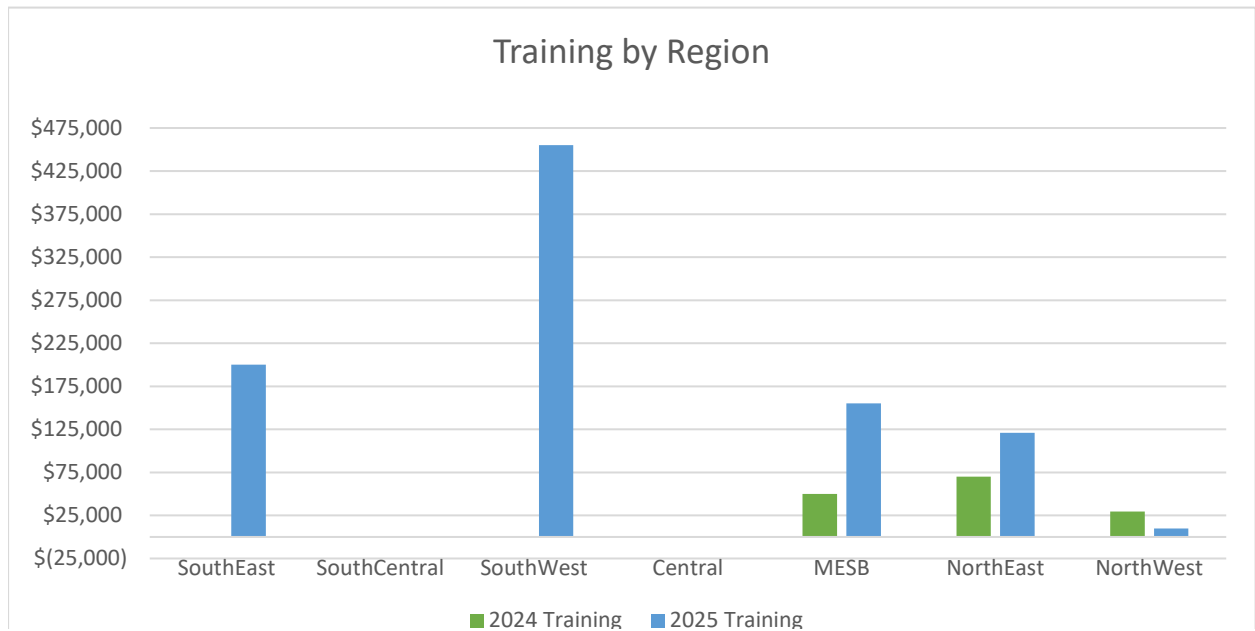
PSAP Equipment

Region Name	2024 PSAP Equipment	2025 PSAP Equipment	Difference
SouthEast	\$ 4,340,500	\$ 1,619,200	\$ (2,721,300)
SouthCentral	\$ 3,958,145	\$ 1,958,145	\$ (2,000,000)
SouthWest	\$ 1,600,000	\$ 175,000	\$ (1,425,000)
Central	\$ 500,024	\$ 457,393	\$ (42,631)
MESB	\$ 4,262,409	\$ 53,038,747	\$ 48,776,338
NorthEast	\$ 130,000	\$ -	\$ (130,000)
NorthWest	\$ 1,895,665	\$ 1,975,349	\$ 79,684
Tribal Communities	\$ -	\$ -	\$ -
MN DOT	\$ -	\$ -	\$ -
	\$ 16,686,742	\$ 59,223,834	\$ 42,537,092



Training

Region Name	2024 Training	2025 Training	Difference
SouthEast	\$ -	\$ 200,000	\$ 200,000
SouthCentral	\$ -	\$ -	\$ -
SouthWest	\$ -	\$ 455,000	\$ 455,000
Central	\$ -	\$ -	\$ -
MESB	\$ 50,000	\$ 155,000	\$ 105,000
NorthEast	\$ 70,000	\$ 121,000	\$ 51,000
NorthWest	\$ 29,433	\$ 10,000	\$ (19,433)
Tribal Communities	\$ -	\$ -	\$ -
MN DOT	\$ -	\$ -	\$ -
	\$ 149,433	\$ 941,000	\$ 791,567



**Regional Needs Assessment
MESB Region Yearly Comparison**

Type of Cost	2024 MESB (11 Mbrs)	2025 MESB (11 Mbrs)	Difference
Local Coverage Gaps	\$ 53,000,000	\$ 48,840,000.00	\$ (4,160,000)
Strategic Coverage Enhancements		\$ 50,000	
In-Building Coverage		\$ 40,000	
Carver County Additional Site		\$ 1,500,000	
Dakota Additional Site		\$ 1,500,000	
Hennipen Additional Site		\$ 2,500,000	
Scott Additional Site		\$ 1,750,000	
Washington Additional Site		\$ 1,500,000	
BDA		\$ 40,000,000	
Emergency Responding Paging	\$ -	\$ 660,000	\$ 660,000
Chisago Fire Paging		\$ 300,000	
Sherburne Fire & EMS Paging		\$ 360,000	
PSAP Equipment	\$ 4,262,409	\$ 53,038,747	\$ 48,776,338
Backup PSAP Equipment			
Console Replacement		\$ 36,800,000	
Eden Prairie Console		\$ 901,747	
St. Louise Park Console		\$ 1,500,000	
MSP Console Addition		\$ 600,000	
MSP Console Replacement		\$ 900,000	
Hennipen EMS Console		\$ 1,080,000	
M Health Console		\$ 100,000	
Metro Transit Console		\$ 750,000	
GEO Diverse Call Handling Equipment (CHE)		\$ 216,000	
Carver Call Handling Equipment		\$ 650,000	
Chisago Call Handling Equipment		\$ 500,000	
Dakota Call Handling Equipment		\$ 825,000	
Washington Call Handling Equipment		\$ 1,000,000	
Metro Transit Call Handling Equipment		\$ 1,000,000	
CAD Replacements			
Carver CAD Replacement		\$ 1,000,000	
Dakota CAD Replacemnt		\$ 3,000,000	
Bloomington CAD Replacement		\$ 1,000,000	
St. Louis Park CAD Replacement		\$ 450,000	
Logger			
Carver Logger Replacement		\$ 400,000	
Dakota Logger Replacement		\$ 266,000	
Cybersecurity Equipment			
Chisago 9-1-1 Cybersecurity Equipment		\$ 100,000	
Subscriber EQ	\$ 11,000,000	\$ 52,070,000	\$ 41,140,000
St. Louis Parke Consolette		\$ 70,000	
Local Infrastructure	\$ 42,000	\$ 101,910,000	\$ 101,868,000
Transportable BDA			
Tower Sites			
Carver County Replacement Site		\$ 1,500,000	
Chisago Site HVAC Replacement		\$ 275,000	
Chisago Site Back-up Battery Replacement		\$ 175,000	
Ramsey Prime Site Controller and Base Radios		\$ 10,000,000	
Base Station Replacements		\$ 89,680,000	
Bloomington Microwave Upgrade		\$ 130,000	
MSP Microwave Upgrade		\$ 150,000	
AES Encryption	\$ 9,000,000	\$ 100,000,005	\$ 91,000,005
Training	\$ 50,000	\$ 155,000	\$ 105,000
CRTF		\$ 10,000	
Telecommunicator Resiliency Training		\$ 100,000	
ARMER Training		\$ 45,000	
Other Equipment/Software	\$ 200,000	\$ 35,500,000	\$ 35,300,000
CAD to CAD Interoperability		\$ 3,500,000	
GIS Mapping Indoor/Outdoor			
Back-up PSAP Center		\$ 2,000,000	
Metro Transit Joint Operations Center		\$ 30,000,000	
Maintenance	\$ 2,830,350	\$ 8,875,000	\$ 6,044,650
ARMER Maintenance		\$ 4,000,000	
BDA Maintenance		\$ 4,000,000	
GIS School Mapping		\$ 522,000	
GIS Mapping		\$ 353,000	
Professional Services/Consultant		\$ 700,000	\$ 700,000
PSAP Staffing Study		\$ 250,000	
PSAP Continuity of Operations Study		\$ 250,000	
PSAP Regional Purchases Feasibility Study		\$ 200,000	
Totals By Region	\$ 80,384,759	\$ 401,748,752	\$ 320,733,993
	2		

