



Status of GIS Readiness for Next Generation 9-1-1

Report to the Energy and Telecommunications Interim Committee

Montana State Library

September 14, 2022

House Bill 50 appropriated state 9-1-1 funds to procure a data assessment service to be used by local governments to assess the accuracy of their GIS data needed to support Next Generation 9-1-1, to create statewide emergency response boundaries, and to support local governments to continuously improve their public safety GIS data.

Purpose

The 9-1-1 GIS mapping account may be used only by the state library provided for in MCA 22-1-102 in carrying out its coordination and management responsibilities to collect, maintain, and disseminate GIS land information in the state as it pertains to supporting public safety answering points on the ongoing assessment and improvement of next-generation 9-1-1 GIS data sets.

Objective 1

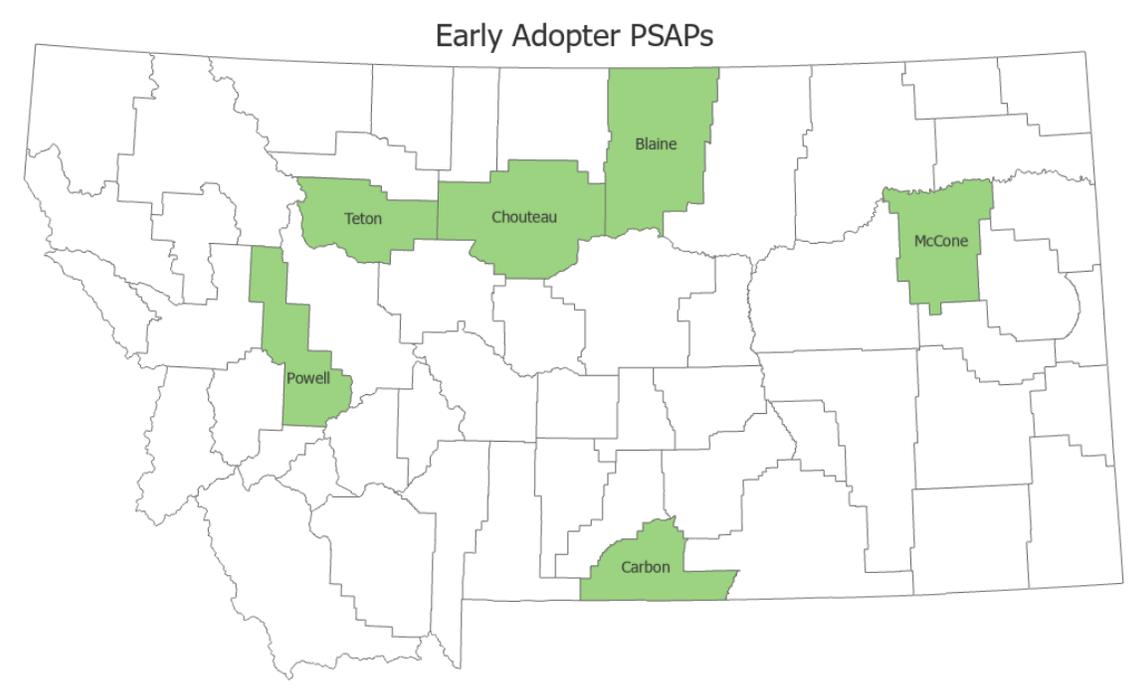
Provide a cost efficient and standardized means for all Public Safety Answering Points (PSAPs) in Montana to regularly assess their 9-1-1 GIS data for Next Generation 9-1-1 (NG9-1-1) readiness and for local and state 9-1-1 and GIS stakeholders to track progress of GIS data readiness statewide.

MSL will procure a cloud-based service for use by all PSAPs to perform ongoing assessment of their 9-1-1 GIS data. This service will also enable MSL to track and report on NG9-1-1 GIS readiness at the state level.

Status

On February 14, 2022, MSL awarded a contract through a state-led competitive RFP process to ISpatial for the GIS data assessment service. ISpatial was selected from the other proposals in part based on their experience doing other similar statewide NG9-1-1 GIS implementations (Arizona, Georgia, Minnesota) and the additional functionality their solution provides. MSL is currently on-boarding PSAPs and local government GIS data providers to the system.

As of September 13, 2022, six early adopter PSAPs have been trained and on-boarded to the GIS data assessment service.



Map of six early adopter PSAPs, Powell, Teton, Chouteau, Blaine, McCone, and Carbon counties.

Objective 2

Coordinate the development, improvement, and maintenance of local and statewide GIS datasets required for NG9-1-1. NG9-1-1 requests accurate data updated in near real-time.

Local governments use data assessments to improve relevant GIS data to meet national NG9-1-1 standards. The frequency at which local governments use the service and update their data will depend on resources available within the local jurisdiction.

MSL will leverage the cloud-based data assessment service and work with PSAPs and their GIS data providers to develop, improve, and maintain the GIS datasets required for NG9-1-1. Initially, MSL plans to update statewide datasets annually.

Status

To support coordinating the development, improvement, and maintenance of NG9-1-1 required GIS dataset, MSL hired a dedicated 9-1-1 GIS Analyst in October 2021. Since being hired, the 9-1-1 GIS Analyst has:

- Assisted with the procurement and implementation of the GIS data assessment service
- Assisted with outreach to GIS and 9-1-1 stakeholders in Montana through in-person and virtual presentations
 - Presentations:
 - Montana Association of Geographic Information Professionals:
 - Local Government Special Interest Group, February (online)
 - Big Sky GeoCon, April (in-person, Missoula)
 - Local Government Special Interest Group, August & September (online)
 - Montana Sheriffs & Peace Officers Association, June (in-person, Missoula)
 - In-person visits with: Butte-Silver Bow County, Cascade County, City of Great Falls, Fergus County
- Spent over 300 hours directly supporting the PSAPs and local government 9-1-1 GIS data providers below with GIS data editing workflows and GIS data standardization to improve and maintain required 9-1-1 GIS datasets:
 - Butte-Silver Bow County, City of Bozeman, Cascade County, Gallatin County, City of Great Falls, Powder River County, Teton County, and Yellowstone County

Fiscal Year 2022 Financial Report

Category	Budget	Actual	Balance*
Personal Services	\$133,000.00	\$132,725.10	\$274.90
Operating Expenses	\$317,000.00	\$200,371.22	\$116,628.78
Total	\$450,000.00	\$333,096.32	\$116,903.68

*Unspent funds remain in the 9-1-1 GIS mapping account.