

Geographic Information Systems (GIS)

Activity Overview

The Geographic Information Systems (GIS) Activity is part of the Planning Department and is responsible for coordination and management of complete, timely and accurate geographic information system data to support users of geographic data in effective operations and decision making within government.

The GIS Department regularly assists County departments and outside County affiliates in determining not only how GIS technology can address issues affecting existing workflows, but also what future opportunities it can provide. GIS is ideally suited to provide public information services or analytical capabilities for efficient government and provide outstanding, timely, and reliable services to County businesses and residents.

Activity Goals

- Increase accuracy of public safety information through annual countywide field mapping updates, continual critical edits and updates to GIS data, coordination of addressing with County 911. Coordinate with multiple public service entities to get the available data to be the best that it can be for residents of the community and strive to meet NENA's goal of 98% accuracy.
- Ensure accuracy of land records through partnerships with the Montana State Library and registered land surveyors by supporting the Planning department with zoning and other special taxable districts and synchronization with the Clerk and Recorder's Office via the GIS Technician.
- Provide value through internal management and maintenance of networked database data storage, development of internal user-driven applications and development of customer oriented web and mobile data applications (eliminating the need for additional software).
- Share spatial data with internal and external customers so that they can make educated, data driven decisions through intelligent creation of useful map products.
- Maintain data integrity by interfacing with other map services and updating web providers of public data such as the Census Bureau and Here (aka Bing).
- Support the Census Bureau with programs such as BAS and LUCA in preparation of the 2020 Census.

Recent Accomplishments

- Development, maintenance and enhancements of various public and departmental web-based mapping applications are now being done in-house as opposed to contracting them out.
- Assigned new addresses, named new roads and generally maintained an up-to-date address layer.
- Service Learning Project coordination with MSU students for a canal and ditch mapping project for Gallatin Irrigators; and a parks and trails mapping project benefitting GVLTA, Search and Rescue and Forest Service, and Gallatin County Open Lands.
- Now supporting online map applications for six Gallatin County departments.
- New coordination with Gallatin County departments on GPS mapping techniques and we've implemented pilot programs for independent mapping efforts by those departments, supported by Gallatin County GIS
- We have incorporated regular updates to Zuercher 911 systems into a monthly workflow, as well as data support for Gallatin County 911, and participation in the 911 steering committee.
- Providing ongoing support and contributions to the Federal Census 2020 in the BAS, LUCA, and PSAP programs, as well as call-in support for Census personnel.

GENERAL GOVERNMENT

Geographic Information Systems (GIS)

Activity Budget

Object of Expenditure	Actual FY 2018	Final FY 2019	Actual FY 2019	Start Up FY 2020	Request FY 2020	Preliminary FY 2020	Final FY 2020
Personnel	\$ 203,662	\$ 230,227	\$ 216,053	\$ 240,132	\$ 244,033	\$ 244,033	\$ 246,703
Operations	45,748	52,085	36,771	44,703	42,692	42,703	42,703
Debt Service	-	-	-	-	8,853	-	-
Capital Outlay	-	7,853	-	7,853	2,000	10,853	10,853
Transfers Out	-	-	-	-	-	-	-
Total	<u>\$ 249,410</u>	<u>\$ 290,165</u>	<u>\$ 252,824</u>	<u>\$ 292,688</u>	<u>\$ 297,578</u>	<u>\$ 297,589</u>	<u>\$ 300,259</u>

Budget by Fund Group

General Fund	\$ 247,499	\$ 288,165	\$ 252,074	\$ 290,688	\$ 295,578	\$ 295,589	\$ 298,259
Special Revenue Funds	-	-	-	-	-	-	-
Debt Service Funds	-	-	-	-	-	-	-
Capital Project Funds	-	-	-	-	-	-	-
Enterprise Funds	-	-	-	-	-	-	-
Internal Service Funds	1,911	2,000	750	2,000	2,000	2,000	2,000
Trust & Agency Funds	-	-	-	-	-	-	-
Total	<u>\$ 249,410</u>	<u>\$ 290,165</u>	<u>\$ 252,824</u>	<u>\$ 292,688</u>	<u>\$ 297,578</u>	<u>\$ 297,589</u>	<u>\$ 300,259</u>

Funding Sources

Tax Revenues	\$ 117,239	\$ 100,325	\$ 99,322	\$ 95,861	\$ 126,416	\$ 111,712	\$ 118,839
Non-Tax Revenues	93,970	122,599	125,051	123,799	102,593	90,100	121,031
Cash Reappropriated	38,201	67,241	28,451	73,027	68,568	95,777	60,389
Total	<u>\$ 249,410</u>	<u>\$ 290,165</u>	<u>\$ 252,824</u>	<u>\$ 292,688</u>	<u>\$ 297,578</u>	<u>\$ 297,589</u>	<u>\$ 300,259</u>

Department Personnel

No. of Positions	FT/PT	Title	FTE 2018	FTE 2019	FTE 2020
1	Full-Time	GIS Supervisor	1.00	1.00	1.00
1	Full-Time	GIS Analyst	1.00	1.00	1.00
1	Full-Time	GIS Technician	1.00	1.00	1.00
1	Temp-Time	GIS Temp Technician	0.00	0.40	0.40
4		Total Program	3.00	3.40	3.40