



Montana State Library

AGENCY INFORMATION TECHNOLOGY PLAN



2018





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Mission, Goals, and Objectives



Agency information technology mission, goals, and objectives ([2-17-524\(1\)\(a\)\(b\), MCA](#)).

Mission	The Montana State Library (MSL) helps all organizations, communities, and Montanans thrive through excellent library resources and services.
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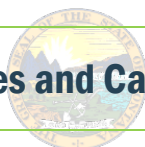
		State Strategic Plan Goal/Objective Reference	Agency Goal/Objective Reference
Goal One	Align information system resources with MSL program and service needs:	Goal 2	Strategy 3
Objective One	Continue to evaluate information system resources currently maintained by MSL against MSL program and service needs to find opportunities for greater efficiency;	Objective 2.1, 2.2	Strategy 3
Objective Two	Encourage staff from all library programs to effectively collaborate across programs in order to use all library information system resources to meet the goals of MSL.	Objective 2.1, 2.2	Strategy 3

		State Strategic Plan Goal/Objective Reference	Agency Goal/Objective Reference
Goal Two	Expand and improve online information services	Goal 4, Goal 5, Goal 6	Strategy 3
Objective One	Rewrite Montana Cadastral Application	Objective 4.4, 6.1, 6.2	Strategy 3
Objective Two	Digitize Montana Talking Book Library Montana collection	Objective 4.4, 4.7, 6.3	Strategy 3
Objective Three	Plan for a roll out of download on demand services for Montana Talking Book Library patrons	Objective 4.4, 4.7, 6.3	Strategy 3

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		State Strategic Plan Goal/Objective Reference	Agency Goal/Objective Reference
Goal Three	Make use of limited IT resources most efficiently	Goal 2	Strategy 3
Objective One	Roll out a virtual desktop environment for all staff	Objective 2.2	Strategy 3
Link to Agency Goals and Objectives	http://docs.msl.mt.gov/aboutweb/documents/strategic_framework.pdf		

Resources and Capabilities



Current information technology resources and capabilities ([2-17-524\(1\)\(c\)\(d\), MCA](#)).

Information Technology Resources

Summary of information technology resources:

Bureau / Unit Name	Number of FTE	Primary Function / Mission
Central Services IT Staff	2	Support the agencies IT needs including desktop, network, website, application and database needs.

Due to budget cuts mandated through the 2017 Legislative Session, the State Library lost 50% of our IT staff. Currently workload for the remaining two staff is only manageable thanks to our previous migration our data center to the State of Montana Data Center. The State Library is optimistic that the role out of the State's new virtual desktop enterprise system will further help to reduce the workload for remaining staff. Loss of IT staff at this time would be crippling for the agency.

Information Technology Capabilities

Summary of Systems:

Name	Description	Purpose
Data Bundler	The Data Bundler allows users to download GIS datasets from the Montana State Library's geographic database clipped to a region that you specify.	Provide ready access to GIS data for GIS users.
Digital Atlas	The Digital Atlas is designed for finding geographic locations in Montana and exploring geographic databases, aerial photos, and topographic maps of those locations.	Provide ready access to online maps on a wide variety of Montana topics.
Data List	Discover and access digital spacial data. Organizations may also publish their data by becoming a Data List Publisher.	GIS users may find and use GIS data from GIS developers across Montana.
Flathead Basin 2009 Mapping Project	Explore detailed aerial photographs and elevation data of the Flathead Basin in an interactive map environment.	Supports users, such as floodplain mappers, who need detailed imagery and elevation data about the Flathead Basin.
Map Viewer	View Montana's Land Management, Land Cover, Wetlands data, Species Observations, and photos of survey sites in an interactive map environment.	Provide ready access to statewide data to support natural resources and species management and development opportunities.
Montana Cadastral Mapping	Identify the owners of Montana's land parcels and explore the state's property assessment database.	Provides access to land ownership information for numerous purposes including hunting and fishing access, realty, banking, and insurance transactions, general information, etc.
Montana Field Guides	Information on the identification, distribution, status, and ecology of Montana's animals, plants, lichens, and biological communities. Montana Fish, Wildlife, and Parks, and the Montana Natural Heritage Program co-sponsor this popular application	Provides access to natural resource managers, developers, recreationists, educators, etc. who need this information for a wide variety of purposes.
Montana Shared Catalog	An automated library management system administered by the Montana State Library and used collaboratively by more than 180 Montana libraries	Supports library administration for 180+libraries.
MontanaLibrary2Go	A cloud-based ebook and e-audio system administered by the Montana	Provides Montanans with ebooks and e-audio

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	State Library and used by libraries and library patrons around Montana	content from their local public libraries.
Multi-state Control Point Database	Search for and download survey and/or mapping control points in Montana and Idaho that were contributed by professional land surveyors committed to improving the positional accuracy of geospatial data.	Supports location accuracy for a wide variety of purposes
Watershed Subbasin Maps	View and download maps showing precipitation, ownership, slope, land cover, and hydrography for each of Montana's subbasins (8-digit HUCs).	Provides access to watershed information for a wide variety of purposes such as water resource planning.
Yellowstone River Map Viewer	View data collected by the Yellowstone River Conservation Districts Council that show structures built to control and use the river and the evolution of the river channel over time.	Supports users, such as floodplain mappers, who need detailed data about the Yellowstone River.

Summary of Hardware:

Appliances: Devices designed for internet access and specialized business use, but without capabilities of a fully-equipped server. Appliances can be physical or virtual. Include all chassis, tape systems, firewalls, switches, KVM's, and USB Anywhere devices. Do not include appliances hosted by SITSD.

Total Number of Appliances	0
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Physical Servers: Include physical servers that are used for virtualization. Do not include servers hosted by SITSD.

Total Number of Physical Servers	0
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Virtualized Servers: Do not include servers hosted by SITSD.

Total Number of Virtualized Servers	0
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Storage: SANs and NASs. Do not include storage hosted by SITSD.

Total Usable Storage Space	0
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Devices: Currently in service including, but not limited to desktops, laptops, mobile devices, printers, cameras, etc.

Device Type	Quantity	Estimated Replacement Value
Desktops	82	\$137,256
Laptops	75	\$95,961
Mobile Devices (tablets, phones, etc.)	9	\$3,600
Printers	23	\$20,001
Cameras	3	\$557
Monitors	115	\$25,532
Tablets	53	\$26,885

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External Hard Drives	28	\$9,777
Fax Machines	1	\$130
Projectors	11	\$14,034
Scanner	2	\$5,089

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Agency information technology projects ([2-17-524\(1\)\(e\)\(f\)\(2\), MCA](#)).

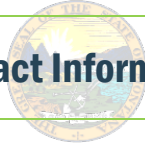
Talking Book Library Digital Conversion		
Digital Library		
Project / Program purpose and objectives	<p>The 2013 Legislature approved \$25,000 (OTO) funds from July 1, 2013-June 30, 2014, to support a part-time temporary hire to convert Montana analog cassette titles to digital format. During that time 25%, or 265 titles, of the cassette collection was converted, leaving 75%, or about 700 titles, yet to be converted. Completing this project was identified as a priority during the executive planning processes for both the 2015 and 2017 legislative session however the State Library has not been funded to complete this work.</p> <p>The need to complete this conversion is now critical because The National Library Service no longer supports analog cassettes and the C-1 players used to play cassettes in MSL's collection are at end of life and should be decommissioned. However, the State Library cannot decommission our C-1 machines while TBL patrons still rely on them to listen to our remaining analog collection.</p>	
IT Goal and Objective Reference		
Estimated start date	5/1/2018	
Estimated delivery date	3/31/2018	
Estimated cost	\$135,000	
HB 10 Request	No	
Funding source one	State Library Trust	\$135,000
Funding source two	Funding Source	Amount Allocated
Funding source three	Funding Source	Amount Allocated
Annual costs upon completion	\$100	
Status of the project as of March 31, 2018 . Indicate % completed and status of funds expended.	MSL is currently completing a request for bid process. Staff anticipate that a contract will be signed by May 1, 2018. 0% complete, 0% expended.	

Montana Cadastral Application re-write		
Digital Library		
Project / Program purpose and objectives	Rewrite the Montana Cadastral Application to fix bugs; make it mobile friendly, and to make use of current technology.	
IT Goal and Objective Reference		

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Estimated start date	10/1/2018	
Estimated delivery date	9/30/2019	
Estimated cost	\$40,000	
HB 10 Request	No	
Funding source one	MLIA funds	\$40,000
Funding source two	Funding Source	Amount Allocated
Funding source three	Funding Source	Amount Allocated
Annual costs upon completion	\$1,500	
Status of the project as of March 31, 2018 . Indicate % completed and status of funds expended.	Project not yet initiated; 0% complete.	

Contact Information



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