Meagher County Next Generation 9-1-1 Data Framework and Transposition

Prepared by Meagher County
for Montana State Library MLIA Grant Program FY 2023

Submitted by Dayna Ogle

Submitted on 02/24/2022 11:16 AM Mountain Standard Time

Opportunity Details

Opportunity Information

Title
MLIA Grant Program FY 2023

Description
In accordance with the Montana Land Information Act (MLIA), the Montana State Library administers an annual grant program to distribute accumulated funds from the Montana Land Information Account, established by MLIA. Grant applications are evaluated by the State Library and its advisory council, the Montana Land Information Advisory Council, and follow the MLIAC Grant Subcommittee Code of Ethics. Grant criteria are established based on the original intent of the MLIA and the goals and objectives of the annual Montana Land Information Plan. Please direct all grant program questions to MLIAGrants@mt.gov.

Please use the companion MLIA Grant Program Application Guidelines for more program information and instructions:
https://docs.msl.mt.gov/MLIAC/FY2023/MLIAGrantProgramApplicationGuidelinesFY2023.pdf

The MLIA Grant Program will be offering two training programs for MLIA grant applicants. One training will be held on January 25, 2022, at 1:30 p.m. to provide instruction on completing and submitting an application using the AmpliFund system. A second training will be held on January 28, 2022, at 9:00 a.m. to provide instruction on the nuts and bolts of writing a grant proposal. Registration is required for both training sessions. More details and registration information can be found at the following link:
https://docs.msl.mt.gov/MLIAC/FY2023/MLIAGrantTrainingFlyer2022.pdf

Prospective applicants are also encouraged to contact MLIA Grant Program staff for assistance with the grant application. Staff are available for one-on-one meetings with applicants to answer questions and provide guidance on completing the MLIA Grant Application. Please contact mliagrants@mt.gov for assistance.

Awarding Agency Name
Montana State Library

Agency Contact Name
Erin Fashoway

Public Link
https://mt.amplifund.com/Public/Opportunities/Details/123802e0-eb1a-49ba-aef4-1804047fe225

Is Published
Yes

Funding Information

Total Program Funding
$250,000.00

Funding Sources
State

Award Information

Award Period
07/01/2022 - 06/30/2023

Award Announcement Date
5/16/2022

Award Type
Competitive

Capital Grant
No

Indirect Costs Allowed
No

Matching Requirement
Yes

Submission Information

Submission Window
01/13/2022 4:30 PM - 02/15/2022 5:00 PM

Submission Timeline Type
One Time

Submission Timeline Additional Information
https://docs.msl.mt.gov/MLIAC/FY2023/MLIAGrantProgramApplicationGuidelinesFY2023.pdf

Allow Multiple Applications
Yes

Technical Assistance Session

Technical Assistance Session
Yes

Session Date and Time
01/25/2022 1:30 PM

Conference Info / Registration Link
https://docs.msl.mt.gov/MLIAC/FY2023/MLIAGrantTrainingFlyer2022.pdf

Eligibility Information

Eligibility Type
Public

Eligible Applicants

Additional Eligibility Information
https://geoinfo.msl.mt.gov/mliagrant

Applicants must represent one of the following forms of government within Montana:

Any department, agency, board, commission, or other division of state government. (This includes the Montana University System.)

Any city, county, or other division of local government.

A tribal government/entity within the state.

Additional Information

Additional Information URL
https://docs.msl.mt.gov/MLIAC/FY2023/MLIAGrantTrainingFlyer2022.pdf

Additional Information URL Description
The MLIA Grant Program will be offering two training programs for MLIA grant applicants. One training will be held on January 25, 2022, at 1:30 p.m. to provide instruction on completing and submitting an application using the AmpliFund system. A second training will be held on January 28, 2022, at 9:00 a.m. to provide instruction on the nuts and bolts of writing a grant proposal. Registration is required for both training sessions. More details and registration information can be found at the link above.

Prospective applicants are also encouraged to contact MLIA Grant Program staff for assistance with the grant application. Staff are available for one-on-one meetings with applicants to answer questions and provide guidance on completing the MLIA Grant Application. Please contact mliagrants@mt.gov for assistance.

Project Information

Application Information

Application Name
Meagher County Next Generation 9-1-1 Data Framework and Transposition

Award Requested
$40,320.00

Cash Match Requirement
$0.00

Cash Match Contributions
$0.00

In-Kind Match Requirement
$0.00

In-Kind Match Contributions
$1,484.00

Total Award Budget
$41,804.00

Primary Contact Information

Name
Dayna Ogle

Email Address
dogle@meagherco.net

Address
15 West Main
White Sulphur Springs, Montana 59645

Phone Number
(406) 547-3023

Project Description

Part 01: Proposal Information

Proposal Information

Please see the MLIA Grant Program and Application Guidelines for more information about the MLIA Grant -
https://docs.msl.mt.gov/MLIAC/FY2023/MLIAGrantProgramApplicationGuidelinesFY2023.pdf.

The applicant must identify one MLIA FY2023 Grant Priority that the proposed project will address. To read about all MLIA Grant Priorities, please read the FY2023 MLIA Land Information Plan.

Identify Grant Priority

Develop GIS Information to Support Next Generation 9-1-1 (NG9-1-1) – Development of GIS data that are National Emergency Number Association (NENA) Standard Compliant ▾

Please indicate whether or not the proposed grant is part of a multi-year proposal. If it is, please identify the intended total number of years for the project and the current year of the project. After clicking "yes" below, you will see text boxes appear in which you can enter the required information about the multi-year project.

Multi-Year Proposal
○ Yes
◉ No

Executive Summary

Meagher County is now in a position where the inter-county agencies have realized that there are serious discrepancies with their current addressing & E-911 system. As a rural county with low population density, having a concise addressing system that is reliable and current is integral to first response. The county has researched other NG-9-1-1 projects in the state and realizes the standards that they will be required to meet in the years to come as the statewide transition is implemented. The proposed phase of the Next Generation 9-1-1 transition will lay the framework for National Emergency Number Association (NENA) standards.

Currently, the county lacks any substantial GIS framework in any division. Addressing data is currently stored in the form of KMZ's and the county has no road centerline data. This phase of the project will aim at building a reliable database that is ready for NENA assessment, including road centerline data, address structures, PSAPs, Emergency Service Boundaries, etc.

Meagher County has contracted with Great West Engineering. Great West's GIS team has the capabilities to build a GIS framework to support the next steps of the NG-9-1-1 transition. Great West will provide services to both build and respond to post assessments, after running assessment scripts to identify discrepancies in the current E-911 tables. The upcoming statewide assessment system will be utilized.

Part 02: Funding Partners & Statements of Support

Funding Partners

All funding partners must be identified. Statements of support are required for each identified funding partner. Please attached a statement of support for each idenitfied partner in .pdf version. Any funds pledged to this proposal must be reflected in the statements of support. See MLIA Grant Compliance – MLIA Grant Funding Partners section for the definition of a funding partner in the FY2023 MLIA Grant Program and Application Guidelines.

Please follow the instructions below to report information about all applicable funding partners and to attach letters of support. If there are no funding partners on this project, please select "Mark as Complete" and move on to the next form.

Do you have a Funding Partner?
○ Yes
◉ No

PLEASE MARK THIS FORM AS COMPLETE TO MOVE ON

Part 03: Relevance

Relevance to the FY2023 Montana Land Information Plan: In this section, please:

1. Describe how the proposal meets the purpose of the Montana Land Information Act: to develop a standardized, sustainable method to collect, maintain, and disseminate information; and
2. Clearly demonstrate how the proposal meets the defined **FY2023 Montana Land Information Plan Priority**.
3. *EXCEPTION: This section is not required for applicants submitting proposals for the sole purpose of collecting new survey control data.*

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Relevance

Is the proposed project for the sole purpose of collecting new survey control data
○ Yes
◉ No

Relevance

   1)   This project aims to benefit the Montana State Library's addressing data (structure) by producing a dataset that is compliant with NENA standards as well as laying a foundational go-by for the county to continue maintenance and updates to the data down the road, in addition to facilitating and building necessary GIS inputs for NG-9-1-1 implementation. Currently, the county lacks any substantial GIS framework in any division. Addressing data is currently stored in the form of KMZ's and the county has no up to date management of their road centerline data. This phase of the project will aim at building a reliable database that is ready for NENA assessment, including road centerline data, address structures, PSAPs, Emergency Service Boundaries, etc. This project will not only be of benefit to the Montana State Library by providing NENA compliant data, but also across agencies within the county including providing the county with their own road network, a reliable structure dataset, and the means to build out their GIS capacity to public works and make data that can be shared county and agency wide.

   2) This project aligns with Tier 1 Grant Priorities such as developing Public Safety Answering Point (PSAP) boundaries, emergency service boundaries, as well as building a NENA compliant road centerline dataset. Another priority of this project will be to begin preliminary QAQC of current/previous address structure placement from the current E-911 system.

SCORING: RELEVANCE - 100 TOTAL POINTS

Meets Purpose of MLIA (Reviewer Only)

EXCEPTION: This section is not required for applicants with the sole purpose of collecting new survey control data. Assign full credit in this category for those applications.

The applicant clearly states how the proposal will meet the purpose of the Montana Land Information Act: to develop standardized, sustainable methods to collect, maintain, or disseminate information in digital formats about the natural and artifical land characteristics of Montana (0-50 Points)

(Reviewer Only)

Meets Purpose of MLIA (0-50 Points) (Reviewer Only)

Meets Land Information Plan Defined Grant Priority (Reviewer Only)

The applicant describes how the proposal will meet one of the defined grant priorities of the FY2022 Land Information Plan. The applicant provides specific examples that clearly explain how the project addresses specific goals and objectives in the Land Plan. If the proposed grant applies to an MSDI theme, the applicant demonstrates a knowledge and understanding of that theme. (0-50 points)

(Reviewer Only)

Meets Land Information Plan Defined Grant Priority (0-50 Points) (Reviewer Only)

Part 04: Public Benefit

Public Benefit: In this section, please describe why and demonstrate how the grant project will:

1. **Benefit one or more specific MSDI themes, including any theme-specific priorities as identified in the FY2023 Land Information Plan;**
2. **Enhance the land information needs of multiple business workflows/initiatives, agencies, and/or jurisdictions; and**
3. **Benefit the citizens of Montana**
4. ***Exception: This section is not required for GIS Project Planning applicants or applicants with the sole purpose of collecting new survey control data.***

Is the proposed project for GIS Project Planning applicants or applicants with the sole purpose of collecting new survey control data?
○ Yes
◉ No

Public Benefit

1)   This project aims to benefit the Montana State Library's addressing data (structure) by producing a dataset that is compliant with NENA standards as well as laying a foundational template for the county to continue maintenance and updates to the data down the road. Another theme that will be derived from the deliverable data is a road centerline dataset that will be NENA compliant that can be utilized with the transition of MSDI transportation themes.

2)   This project will not only be of benefit to the Montana State Library by providing NENA compliant data, but also across agencies within the county including providing the county with their own road network, a reliable structure dataset, and the means to build out their GIS capacity to public works and make data that can be shared county and agency wide. While the ultimate goal is to provide a better framework for emergency response to county residents, the GIS system that will be built can be expanded to benefit a number of agency sectors within Meagher County.

3) Public benefits to the public include an in depth QAQC of existing structures and a phased approach to bringing their emergency response system to NG-9-1-1. Upon the 2021 fire season, the county's responses were faced with challenges such as providing evacuation notices to residents. The county found themselves lacking sufficient information to locate structures and land owners. Evidence of situations like this were experienced during the Deep Creek Fire in July 2021. This project will also lend in providing publicly available data in the form of webmap and webmap-applications. This project would not only benefit the county and state, but also the well being of all Meagher County residents. This initial phase of the project will lay the first stepping stone in creating a safer and more resilient community.

SCORING: PUBLIC BENEFIT - 100 TOTAL POINTS

(Reviewer Only)

EXCEPTION: This section is not required for applicants with the sole purpose of collecting new survey control data or proposing a GIS project planning grant. Assign full credit in this category for those applications.

(Reviewer Only)

(Reviewer Only)

The applicant's proposal demonstrates how the proposal will benefit one or more specific MSDI themes, including any theme-specific priorities identified in the FY2023 Land Information Plan; enhance the land information needs of multiple business workflows/initiatives, agencies, and/or jurisdictions; and benefit the citizens of Montana. (0-100 points)

1. The proposal clearly describes how it will benefit one or more specific MSDI themes, including any theme-specific priorities identified in the FY2023 Land Information Plan;

2. The proposed project describes how it will enhance the land information needs of multiple business workflows/initiatives, agencies, and/or jurisdictions; for example, a county project benefits public works, the sheriff's office, and planning department. The proposed project describes how it will benefit multiple cross-jurisdictional agencies. For example, a county project may also benefit the Forest Service, BLM, and a tribal government entity;

3. The proposed project demonstrates public benefit to the citizens of Montana.

(Reviewer Only)

Public Benefit (0-100 Points) (Reviewer Only)

Part 05: Project Management

Primary Project Manager Contact Information

Salutation
Mrs.

Primary Project Manager Name
Dayna Ogle

Primary Project Manager Title
Chief Financial Officer

Primary Project Manager Organization
Meagher County

Primary Project Manager Email Address
dogle@meagherco.net

Primary Project Manager Phone Number
4065473023

Secondary Project Manager

Salutation
Mr.

Secondary Project Manager Name
Jon Lopp

Secondary Project Manager Title
Meagher County Sheriff & Coroner, DES Coordinator

Secondary Project Manager Organization
Meagher County

Secondary Project Manager Email Address
jlopp@meagherco.net

Secondary Project Manager Phone Number
4065473397

Organizational Capability

In this section, please demonstrate the organization's past record of performance with similar projects; the ability to implement the methodology described in the scope of work; and the organization's capability to support and sustain the project.

Organizational Capability

Meagher County has extensive experience applying and managing grant awarded projects. Dayna Ogle will be responsible for working with Montana State Library to provide quarterly reporting, invoicing, and forthcoming data deliverables. Dayna will be the primary point of contact with the hired consultants (Great West Engineering and Geodata), managing the project scheduling, meeting coordination, etc.

Secondary Project Manger Jon Lopp, will be responsible for coordinating with neighboring counties and emergency service jurisdictions to facilitate completion of work items noted in the Scope of Work. This will include the review and QAQC of all GIS related items in the provided Scope of Work. Jon comes with a list of credentials including the elected Meagher County Sheriff and Coroner, Department of Emergency Services Coordinator, and supervises three sheriff deputies, five dispatchers, and two reserve officers.

SCORING: ORGANIZATIONAL CAPABILITY (0-25 Points) (Reviewer Only)

ORGANIZATIONAL CAPABILITY

The applicant demonstrates the organization's past record of performance with similar projects; the ability to implement the methodology described in the scope work; and the organization's capability to support and sustain the project.

(Reviewer Only)

Organizational Capability (0-25 Points) (Reviewer Only)

Project Management

In this section, the applicant must demonstrate the defined project managers', key personnel's, and funding partners' adequate skills, qualifications, and experience for the defined project. And the following, if applicable, must be demonstrated.

1. Management Plan -- The applicant must demonstrate how the defined project manager—not the hired consultant—will manage the entire project, including meeting the mandatory reporting requirements, communicating with the State Library, fulfilling data requirements, and managing all hired consultants.

2. Financial Management -- Applicant provides a contact and a copy of the official invoice document for their respective organization in a .pdf format. (uploaded below)

3. Past Record of Performance -- The applicant must demonstrate the defined project managers' GIS project management experience, grant management experience, and (if applicable) consultant management experience. The applicant must provide concrete examples of each and explain how the experience gained in those projects relates to the current proposal.

4. Hiring a Consultant (if applicable) -- The applicant must describe the plans to hire a consultant and the procurement process for acquiring these professional services.

Project Management

1) Meagher County has extensive experience applying and managing grant awarded projects. Dayna Ogle will be responsible for working with Montana State Library to provide quarterly reporting, invoicing, and forthcoming data deliverables. Dayna will be the primary point of contact with the hired consultants (Great West Engineering and Geodata), managing the project scheduling, meeting coordination, etc. **QA by County - please add additional information regarding previous grant/911 project experience and management

2) Financial Management - see attached PDF

3) Past Record of Performance
Matt Blassic is a GIS Specialist with 4 years of professional experience working in both the public and private sectors. Great West Engineering has provided GIS services on a number of past MLIA projects including the Town of Dutton, City of Red Lodge, City of Harlem, and the Town of Twin Bridges. Matt has been the on-call Rural Addressing/GIS Specialist for Meagher County since January of 2021 and is experienced with the existing E-911 system and structures dataset. Matt and Great West Engineering is responsible for managing and building a number of GIS databases for rural counties across Montana and Idaho.

4) See Identified Consultant Information section below.

SCORING: PROJECT MANAGEMENT (0-75 Points) (Reviewer Only)

Project Management:

a. The applicant must demonstrate adequate skills, qualifications, and experience for the defined project managers, key personnel, and funding partners.

b. Financial Management - Applicant provides a contact and a copy of the official invoice document for their respective organization in a .pdf format.

c. Management Plan – The applicant demonstrates how the defined project manager—not the hired consultant—will manage the entire project, including meeting the mandatory reporting requirements, communicating with the State Library, fulfilling data requirements, and managing all hired consultants.

d. Past Record of Performance – The applicant must demonstrate the defined project managers' GIS project, grant, and, if applicable, consultant management experience. The applicant must provide concrete examples of each and explain how the experience gained in those projects relates to the current proposal.

e. Hiring a Consultant – If applicable, the applicant must describe the plans to hire a consultant and procurement process for acquiring professional services. If a consultant has been hired, applicant must identify the consultant, define the amount of time, identify key personnel, and the consultant's procured services and work completed relevant to the proposal.

(Reviewer Only)

Project Management (0-75 Points) (Reviewer Only)

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Identified Consultant Information

If the applicant plans has hired and is under contract with a consultant who will perform work on the project, please select "yes" and complete the fields that appear below.

Has the applicant hired a consultant to perform work on the proposed project?
◉ Yes
○ No

Name of consultant company/organization
Great West Engineering

If a consultant has been hired, applicant must identify and define the amount of time, identify key personnel, and the consultant's procured services and work completed relevant to the proposal

Great West Engineering will be devoting a total of 410 hours for this phase of the NG-911 data transition, which is defined in the scope of work. Matt Blassic will be the point of contact for Great West Engineering. Matt Blassic is a GIS Specialist with 4 years of professional experience working in both the public and private sectors. Great West Engineering has provided GIS services on a number of past MLIA projects including the Town of Dutton, City of Red Lodge, City of Harlem, and the Town of Twin Bridges. Matt has been the on-call Rural Addressing/GIS Specialist for Meagher County since January of 2021 and is experienced with the existing E-911 system and structures dataset. Matt and Great West Engineering is responsible for managing and building a number of GIS databases for rural counties across Montana and Idaho.

Ken Wall & Geodata Services will be factored into the Scope with approximately 75 hours slated for project related support for the NG-911 data transition and development.

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Invoicing Methodology

In order for the Montana State Library to distribute awarded grant funds for incurred authorized project costs, the MLIA Grant Award Recipient must invoice the Montana State Library for reimbursement. The applicant must provide a sample, in PDF format, of the applicant's official invoice document.

Please attach sample invoicing documents
Meagher County Invoice PDF

APPLICANT'S FINANCIAL CONTACT

Salutation
Mrs.

Financial Contact Name
Dayna Ogle

Financial Contact Title
Chief Financial Officer

Financial Contact Organization
Meagher County

Financial Contact Email Address
dogle@meagherco.net

Financial Contact Phone Number
4065473023

Part 06: Project Sustainability

Project Sustainability

Sustainability is one of the key pillars of the Montana Land Information Act's purpose. In this section, the applicant must demonstrate future project sustainability and include a plan for long-term funding and future enhancements. Please explain how the project will be maintained in the long term, including staffing and funding plans and reducing dependencies on MLIA funding. If the grant proposal has identified improving an existing MSDI data layer, please explain how the applicant will coordinate with the Montana State Library to ensure the information will be made available. Explain any projected future enhancements that may require additional third-party funding.

Project Sustainability Narrative

The end goal of this project, which will be multi-phased as this phase will focus on the development of the data and assessments, is to provide Meagher County residents with a sustainable dataset that is NENA compliant and ready for the roll out of NG-911 statewide. The data will be developed in a manner that will be easily transferable and shared by the contractor (Great West Engineering) and can be managed by Meagher County. While the main component of the outcome of this project is a safer more efficient system for emergency response, another primary goal is to provide compliant data to the Montana State Library and its MSDI Framework. Meagher County will utilize support from both Great West Engineering and Michael Fashoway, among other resources, to provide the most sustainable GIS and data management system. Data will be shared by the contractor and visualized using ArcGIS Pro and ArcGIS Online (AGOL) in future phases of this project so that Meagher County can begin training and staffing for a position to manage the county's addressing dataset, the end goal also to have Meagher County provide additional GIS outputs to county residents including public works information and other additional frameworks to benefit the county. Meagher County's road department and public works will be able to share spatial information with it's residents, as well as other public departments will be able to make their data publicly viewable with real world locations and viewable interfaces.

SCORING: PROJECT SUSTAINABILITY - 100 TOTAL POINTS

(Reviewer Only)

The applicant must demonstrate future project sustainability. (0 – 100 points)

a. This must include future enhancements and a plan for long-term staffing for the continued maintenance of the deliverables created with MLIA grant funds.

b. The application must explain funding plans and plans for reducing dependencies on MLIA funding.

c. If the grant proposal has identified improving an MSDI data layer, the proposal should explain how the applicant will coordinate with the Montana State Library to ensure the integration into the statewide framework layers.

(Reviewer Only)

Project Sustainability (0-100 Points) (Reviewer Only)

Part 07: Grant Accountability

Renewable Grant Accountability

The applicant must identify all awarded MLIA Grants to their organization. All MLIA grants awarded to the applicant's governmental entity/agency must be accounted for. State government applicants must only report for their respective agency. Performance on previously awarded MLIA grant projects will be taken into consideration in the final prioritization. Please consult the following resources to research previously awarded grants:

-- For a detailed listing of the previsouly awarded MLIA Grants - https://geoinfo.msl.mt.gov/Awarded_MLIA_Grants

Did the applicant receive an MLIA grant in fiscal year 2022?
○ Yes
◉ No

Fiscal Years 2018-2021 MLIA Grant Cycles

Please indicate whether or not the applicant was awarded any MLIA grants during state fiscal years 2018-2021. Please select "yes" for any of the following applicable years. After clicking "yes," you will see a text box appear in which you can enter a written narrative explaining the grant project. In the text box, please provide a written narrative for each grant awarded, outlining the successes and failures of the grant. Explain how tasks, timelines, and deliverables of the project were or were not met. Demonstrate how past project failures will ensure future successes.

Did the applicant receive an MLIA grant in fiscal year 2021?
○ Yes
◉ No

Did the applicant receive an MLIA grant in fiscal year 2020
○ Yes
◉ No

Did the applicant receive an MLIA grant in fiscal year 2019?
○ Yes
◉ No

Did the applicant receive an MLIA grant in fiscal year 2018?
○ Yes
◉ No

Part 08: Project Scope of Work, Budget Justification, and Application Authorization

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This section of the application must be used to attach application forms completed outside of the AmpliFund system. Required templates may be downloaded in each subsection below.

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Project Scope of Work and Budget Justification

Please complete the Scope of Work and Budget Justification template provided below and upload your completed document as a Microsoft Word document.

Link to template:
https://docs.msl.mt.gov/MLIAC/FY2023/MLIA_FY2023_ApplicationForms.zip

Please upload your completed Scope of Work and Budget Justification here as a Microsoft Word document.
MLIA_SOW_BUDGET_TEMPLATE_FY2023_Final_Revised

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Detailed Budget Table

Please complete the Detailed Budget Table template provided below and upload your completed table as both an Excel spreadsheet and as a PDF document.

Link to template:
https://docs.msl.mt.gov/MLIAC/FY2023/MLIA_FY2023_ApplicationForms.zip

Please upload an Excel version of your completed Detailed Budget Table here.
MLIA_FY2023_DetailedBudgetTable_Final

Please upload a PDF version of your completed Detailed Budget Table here.
MLIA_FY2023_DetailedBudgetTable_Final

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Additional Information for PLSS Grants

MLIA Proposed Survey Control Point Collection Form - https://docs.msl.mt.gov/MLIAC/FY2023/PLSSForm_MLIA_FY2023.zip

Applicants proposing projects for the sole purpose of collecting new survey control data must include a completed MLIA Proposed Survey Control Point Collection form. Please indicate whether or not the proposed project is a PLSS/survey control project. If it is, please attach the required form. After selecting "yes," you will see a field appear where you can upload the form, as well as additional questions related to PLSS grants.

Is the proposed project a PLSS/survey control project?
○ Yes
◉ No

_____

Additional Documents (optional)

Please provide any additional uploads such as maps or other forms that provide information about the project.

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Authorization Statement

I have read the application in its entirety, and I certify that the information and all statements in the application are true, complete, and accurate to the best of my knowledge. I further certify that we are committed to funding our share of the project, including both pledged applicant cash and pledged applicant in-kind, as stated in the proposed project budget. I further certify that the proposed project, should it be approved for MLIA funding, will comply with all applicable state, local, and federal laws, regulations, and standards.

I authorize the Montana State Library to publish the contents of this application and to use the contents of this application for training, promotional, or other purposes.

Finally, I certify that I am (by my signature) authorized to enter into a binding agreement with the Montana State Library to obtain a grant if this application receives approval.

Please read the above statement and accept the following terms:
☒ Acknowledgment that I have read and accept the Terms and Conditions contained in this online application
☒ Acknowledgment that the applicant understands that the MLIA grant program is funded using State funds and does not involve any federal funding.
☒ Acknowledgment that the applicant has read the FY 2023 Montana Land Information Plan.

☒ Acknowledgment that the applicant understands that the purchasing of supplies or acquisition of contractual services may be subject to local or state procurement laws, and the applicant agrees to comply with any applicable laws, rules, and regulations governing the procurement of supplies or contractual services for their grant project.

Please type First and Last Name
Dayna Ogle

Date Signed
2/8/2022

SCORING: SCOPE OF WORK - 100 TOTAL POINTS

Please review the attached Scope of Work document, then come back and complete the following scoring: (Reviewer Only)

Goals and Objectives (0-30 Points) (Reviewer Only)

Tasks or Activities (0-30 Points) (Reviewer Only)

Project Scheduling (0-40 Points) (Reviewer Only)

SCORING: BUDGET JUSTIFICATION & BUDGET TABLES - 100 POINTS TOTAL

Please review the Budget Section, the Detailed Budget Spreadsheet, and the attached Budget Justification Narrative, then come back and complete the following scoring: (Reviewer Only)

Budget Narrative (0-45 Points) (Reviewer Only)

Budget Tables (0-45 Points) (Reviewer Only)

Matching Funds (0-10 Points) (Reviewer Only)

Budget

Proposed Budget Summary

Expense Budget

		Grant Funded	Non-Grant Funded	Total Budgeted
Personnel				
	Assess Existing Boundary Data	$0.00	$280.00	$280.00
	Project Closeout & Delivery	$0.00	$224.00	$224.00
	Project Management	$0.00	$980.00	$980.00
	Subtotal	**$0.00**	**$1,484.00**	**$1,484.00**
Contractual				
	Geodata Services, Inc	$7,200.00	$0.00	$7,200.00
	Great West Engineering	$33,120.00	$0.00	$33,120.00
	Subtotal	**$40,320.00**	**$0.00**	**$40,320.00**
	Total Proposed Cost	**$40,320.00**	**$1,484.00**	**$41,804.00**

Revenue Budget

		Grant Funded	Non-Grant Funded	Total Budgeted
Grant Funding				
	Award Requested	$40,320.00		$40,320.00
	Subtotal	**$40,320.00**		**$40,320.00**
Non-Grant Funding				
	Cash Match		$0.00	$0.00
	In-Kind Match		$1,484.00	$1,484.00
	Subtotal		**$1,484.00**	**$1,484.00**
	Total Proposed Revenue	**$40,320.00**	**$1,484.00**	**$41,804.00**

Proposed Budget Detail

See attached spreadsheet.

Proposed Budget Narrative

Contractual

Eligible Project Costs: Enter the total amount in the "Direct Cost" field (Direct Cost = Grant Funded + Cash Match + In-Kind Match). Change "Non-Grant Funded" to "Yes". Enter in your Match Dollar Amount. The "Grant Funded" is your requested MLIA funds. See the Guidelines for more information.

Geodata Services, Inc

Geodata Services will provide additional as needed project support.

Performance Plan

Proposed Performance Plan

Project Deliverables

Goal Name	Goal Type	Goal Details
Build NENA Compliant Road Centerline Dataset	Milestone	Due Date 06/15/2023
Produce Preliminary NENA Compliant Structure Centroid Dataset	Milestone	Due Date 06/15/2023
Build Associated ESZ Boundaries	Milestone	Due Date 06/15/2023
Utilize State of Montana's Upcoming Assessment Tool	Milestone	Due Date 06/15/2023

Proposed Performance Narrative

Project Deliverables

Please clearly explain each deliverable resulting from the proposed project. To add a new deliverable, click on the "Add Goal" link. Each new item added is considered a "goal" in the AmpliFund system, so it is important that each deliverable is labeled carefully. In your description of each deliverable, please explain the specific project task(s) related to the deliverable and include a completion date for the deliverable. The Montana State Library must approve all deliverables prior to releasing final grant reimbursement. Therefore, the project proposal must reflect that all final deliverables be completed no less than 10 business days before June 30, 2023. The Montana State Library considers any product of the project (e.g., code, database, training materials, maps, photos, video, etc.) to be a project deliverable. All deliverables must be provided to the State Library as evidence of project completion and must be made publicly available. Please note that a detailed Scope of Work must be uploaded in the Project Scope of Work, Budget Justification, and Application Authorization section of this application.

Build NENA Compliant Road Centerline Dataset

Being that the county has no in-house road centerlines (RCLs), this milestone will be to produce a preliminary centerline dataset that's tabular foundation will be NENA compliant.

Produce Preliminary NENA Compliant Structure Centroid Dataset

This goal will be to finalize and update the current centroids by QAQC of existing structure locations for all 2,200 existing structures. This dataset will be compliant with NENA standards

Build Associated ESZ Boundaries

This goal will be to produce the final deliverable in hand boundaries for all ESZs within Meagher County, ready to utilize as an input for NG-9-1-1 ready datasets.

Utilize State of Montana's Upcoming Assessment Tool

Upon nearing of final deliverable, data will be QA'd in order to get the go ahead for utilization of the State's forthcoming assessment interface.

FY2023 MLIA Grant Application

Meagher County Next Generation 9-1-1 Data Framework & Transposition

Scope of Work:

Goal 1. Analyze Existing Structures & Generate Road Centerline Dataset to Assess Against E-911 MSAGs
    Objective 1.1.   Build Road Centerline Dataset Geometry & Kickoff Meeting
        Task 1.1.1.   Kickoff Meeting – Meeting comprised of Meagher County Dispatch and Sheriff's Department, Great West Engineering, and relevant inter-county departments to set goals for first round of road centerline generation.
                -Completion Date: 6/15/2023
        Task 1.1.2.   Begin building NENA compliant road database geometry and tables – This task will build a compliant dataset for road centerlines from the ground up, as currently the county has no tangible dataset that they currently manage. Run assessments based on the soon to come State of Montana assessment toolsets with current E-911 MSAGs.
                -Completion Date: 6/15/2023
    Objective 1.2.   Analyze Existing Address Structures and QA centroids against aerial imagery to correct structure locations
        Task 1.2.1.   Produce a NENA compliant base dataset for structures – Meagher County will build using existing spatial data to produce NENA compliant structures, assessing attributes, duplicate addresses, parity address checks, etc.
                -Completion Date: 6/15/2023

Goal 2. Build Emergency Service Zone (ESZ) Boundary Polygons
    Objective 2.1.   Compile Existing Boundaries
        Task 2.1.1.   Collect Existing Boundary Data – Compile existing emergency jurisdictional information and produce draft boundaries and or generate them by collaborating with county emergency response representatives. This will involve work by Great West to both research as well as generate draft boundaries to work with responder representatives from both Meagher County as well as neighboring counties/jurisdictions.
                -Completion Date: 2/28/2023
        Task 2.1.2.   Finalize Geometry of Final ESZ – Have final boundaries ready to bring to county agencies and neighboring county agencies, have all geometry fixed to current administrative PSAP boundaries. *Note – this does not include the QAQC checks for post E-911 assessments (i.e., relation check and information match MSAG/ALI)
                -Completion Date: 6/15/2023

Goal 3. Prepare Existing Data from Goals 1 & 2 for State Assessment.
    Objective 3.1.   Compile Geodatabase & Spatial Data for Assessment
        Task 3.1.1.   Run Topology on data developed in previous tasks and goals

                -Completion Date: 6/15/2023

Budget Narrative:

1. <u>Description of Activities, Products, and Purchases</u>: The first phase of Meagher County's NG-9-1-1 transition will not require any purchase of Esri ArcGIS or 911 related projects, as this phase is primarily focused on laying down GIS groundwork that currently isn't of existence in the county. Future phases will address the purchase of necessary equipment and software to manage and sustain datasets that have been put in place during this phase of the county's transition. Given the contractor's location (Great West Engineering) in Helena, the travel isn't expected to be intensive for meetings and general communication.

   Meagher County has decided that with the increasing of significant natural disasters such as wildfire, on top of the State of Montana's priorities of implementing NG-9-1-1, that NENA compliant data is necessary for the county and its residents. As a rural county with limited resources, Meagher County must pursue grants such as the MLIA FY 2023. While the project will be a multi-year phased project, Meagher County and its associated rural fire departments, law enforcement, and commission have expressed the need and interest to pursue this project, with the ultimate goal of providing a more accurate emergency response dataset to serve the County and its communities.

2. <u>Description of Budgetary Assumptions</u>: The provided scope of services has been scoped based on surface level data which puts Meagher County currently at 2,200 structures and approximately 2,100 miles of roads within the administrative boundary of the county. Meagher County's consultants are very experienced in estimating the costs of producing necessary datasets and databases for the deliverables of this project. Great West Engineering has worked on several previous MLIA projects during previous years.

MLIA GRANT DETAILED BUDGET TABLE

Tasks	Category Type	Funding Source	Hours	Rate	Cost
Task 1.1.1 Project Kickoff Meeting	Contractual	MLIA Grant Funds	10	$ 96.00	$ 960.00
Task 1.1.2 Building NENA Compliant Road Network Dataset	Contractual	MLIA Grant Funds	100	$ 96.00	$ 9,600.00
Task 1.1.3 Project Management Plan/Invoicing & Reporting	Personnel (incl. fringe benefits)	Applicant In-Kind	35	$ 28.00	$ 980.00
Task 1.2.1 Produce NENA Compliant Base Structure Dataset	Contractual	MLIA Grant Funds	80	$ 96.00	$ 7,680.00
Task 2.1.1 Collect Existing Boundary Data	Contractual	MLIA Grant Funds	60	$ 96.00	$ 5,760.00
Task 2.1.1 Collect Existing Boundary Data	Personnel (incl. fringe benefits)	In-Kind	10	$ 28.00	$ 280.00
Task 2.1.2 Finalize Emergency Service Zones	Contractual	MLIA Grant Funds	35	$ 96.00	$ 3,360.00
Task 3.1.1 Compile Deliverable Database for State Assessment	Contractual	MLIA Grant Funds	40	$ 96.00	$ 3,840.00
Task 3.1.2 Package Data for Final Deliverable to Montana State Library & Project Phase Closeout	Contractual	MLIA Grant Funds	20	$ 96.00	$ 1,920.00
Task 3.1.2 Package Data for Final Deliverable to Montana State Library & Project Phase Closeout	Personnel (incl. fringe benefits)	In-Kind	8	$ 28.00	$ 224.00
Additional Technical Support - Geodata Services, Inc.	Contractual	MLIA Grant Funds	60	$ 120.00	$ 7,200.00
			Totals: 458		$ 41,804.00

Invoice
Meagher County
Finance Office
PO Box 309 / 15 West Main St

White Sulphur Springs MT 59646
(406) 547-3023

Bill To:			*Invoice:*	2022
			Date:	
			Terms:	On Receipt

Quantity	Description	Rate	Total
			$ -
		Total	$ -

Please make checks payable to:
Meagher County Finance Office