MONITORING OF THE CLEAR LAKE AQUIFER FOR IMPACTS FROM AGRICULTURAL IRRIGATION DEVELOPMENT AND BIOLOGICAL SURVEY ASSISTANCE

Notice of Funding Opportunity Number: F19AS00113

Federal Program: Department of the Interior, United States (U.S.) Fish and Wildlife Service, Medicine Lake National Wildlife Refuge, Medicine Lake, Montana.

Catalog of Federal Domestic Assistance (CFDA) Number: 15.655

Authorizing Legislation: Fish and Wildlife Act, 16 U.S.C. §742 et seq.; Fish and Wildlife Coordination Act, 16 U.S.C. §§661-666; Fish and Wildlife Conservation Act, 16 U.S.C. §2901 et seq.; Migratory Bird Treaty Act, 16 U.S.C. §703 et seq.

Paperwork Reduction Act Statement: We are collecting this information in accordance with the authorizing legislation identified above. Your response is required to obtain or retain a benefit. We will use the information you provide to conduct a competitive review and select projects for funding and, if awarded, to evaluate performance. We may not conduct or sponsor and you are not required to respond to a collection of information unless it displays a currently valid Office of Management and Budget (OMB) control number. We estimate that it will take you on average about 40 hours to complete an initial application, about 3 hours to revise the terms of an award, and about 8 hours per report to prepare and submit financial and performance reports, including time to maintain records and gather information. Actual time for these activities will vary depending on program-specific requirements. You may send comments on the burden estimate or any other aspect of this information collection to the Information Collection Clearance Officer, U.S. Fish and Wildlife Service, MS BPHC, 5275 Leesburg Pike, Falls Church, VA 22041-3803.

OMB Control Number: 1018-0100 (Expiration Date: 7/31/2021)

I. Program Description

The Clear Lake Aquifer (aquifer) in Sheridan County consists of sand and gravel deposited by ancestral Missouri River and glacial meltwater streams. These deposits form a complex aquifer system with some areas capable of supporting high yield irrigation wells. Irrigation using center pivots grew from about 3000 acres in 1995 to more than 6000 acres in 2014 for the expansion of crops to include: potatoes, soybeans, pinto beans, sugar beets, oilseed crops such as canola and mustard, and corn. Also, yields for crops that are also grown on non-irrigated land, such as wheat and barley, are dramatically increased when grown under irrigation.

The aquifer also lies underneath Medicine Lake National Wildlife Refuge and the Northeast Montana Wetland Management District. The wetlands and lakes within this area fall within the Prairie Pothole Region, which provide habitat for migratory birds. The impact of aquifer development for irrigation on surface water resources is poorly understood.

Currently, the Sheridan County Conservation District (SCCD) is authorized to manage over 15,000 acre feet of water from the aquifer. It does so with a Technical Advisory Council, of which the USFWS is a member. In order to understand the impacts of irrigation on the aquifer the SCCD monitors over 185 wells throughout the area. Although more research is needed to better understand the extent, dynamics and overall quality of the aquifer.

In order to accomplish that, monitoring of existing SCCD wells is necessary along with the deployment of more continuous data collecting loggers and initiate the monitoring of potentially impacted surface waters.

II. Federal Award Information

Notice of intent to award a $20,000 cooperative agreement to the SCCD in accordance with 516 FW 6, Issuing Discretionary Grant and Cooperative Agreement Awards without Competition. From 505 DM 2 (4) "[u]nique Qualifications: The applicant is uniquely qualified to perform the activity based on a variety of demonstrable factors such as location; property ownership; voluntary support capacity; cost-sharing ability, if applicable; technical expertise; or other such unique qualifications." The SCCD already operates 185 monitoring wells throughout the area and has been working cooperatively with the Montana Bureau of Mines and Geology to better understand different aspects of the aquifer. In addition they have an employee with the technical skills and education to help the Service perform regional priority surveys.

The U.S. Fish and Wildlife Service (Service) will be substantially involved in the project under this funding opportunity. In particular, the Service will be responsible for the following: participating in the Technical Advisory Committee (TAC) and providing recommendations on potential surface water monitoring sites and the potential impacts of water loss to USFWS trust species. The service will also be heavily involved in coordinating timing and duration of wildlife and plant surveys.

III. Eligibility Information

A. Eligible Applicants

This is a notice of intent to award a co-operative agreement to the SCCD in accordance with 516 FW 6, Issuing Discretionary Grant and Cooperative Agreement Awards without Competition. From 505 DM 2 (4) "[u]nique Qualifications: The applicant is uniquely qualified to perform the activity based on a variety of demonstrable factors such as location; property ownership; voluntary support capacity; cost-sharing ability, if applicable; technical expertise; or other such unique qualifications,"

U.S. non-profit, non-governmental organizations must provide a copy of their Section 501(c)(3) or (4) status determination letter received from the Internal Revenue Service.

Federal law mandates that all entities applying for Federal financial assistance must have a valid Dun & Bradstreet Data Universal Number System (DUNS) number and have a current registration in the System for Award Management (SAM). See Title 2 of the Code of Federal Regulations (CFR), Part 25 for more information. Exemptions: The SAM registration requirement does not apply to individuals submitting an application on their own behalf and not on behalf of a company or other for-profit entity, state, local or Tribal government, academia or other type of organization.

B. Cost Sharing or Matching

Applicants may attribute some or all of their allowable indirect costs as cost-share/match, however recipients may only charge to the Federal award the indirect costs calculated against the allowable direct costs charged to the Federal award. Recipients may not charge to the Federal award indirect costs calculated against: 1) any portion of the recipient's direct costs; or 2) any portion of the direct costs charged to any other Federal or non-Federal partner.

Unique Entity Identifier and System for Award Management (SAM.gov) Registration: This requirement does not apply to individuals applying for funds as a private citizen (i.e., unrelated to any business or nonprofit organization you may own or operate in your name) or any entity with an exception approved by the Service under 2 CFR 25.110(d). All other applicants are required to obtain a Data Universal Numbering System (DUNS) number from Dun & Bradstreet and then register in SAM.gov prior to submitting a Federal award application. Federal award recipients must continue to maintain an active SAM.gov registration with current information through the life of their Federal award(s). See the "Submission Requirements" section of this document below for more information on SAM.gov registration. The Service may not make a Federal award to an applicant that has not completed the SAM.gov registration. If an applicant selected for funding has not completed their SAM.gov registration by the time the Service is ready to make an award, the program may determine that the applicant is not qualified to receive an award. The program can use that determination as a basis for making an award to another applicant.

Prohibition on Issuing Awards to Entities that Require Certain Internal Confidentiality Agreements: Domestic (U.S.) non-Federal entities requiring their employees or contractors to sign internal confidentiality agreements or statements that prohibit, or otherwise restrict, such employees or contractors from lawfully reporting waste, fraud, or abuse to a designated investigative or law enforcement representative of a Federal department or agency authorized to receive such information are not eligible to compete for or receive a Federal award. See Pub. L. 113-235, Title VII, Division E, Section 743 for more information.

Excluded Parties: The Service conducts a review of the SAM.gov Exclusions database for all applicant entities and their key project personnel prior to award. The Service cannot award funds to entities or their key project personnel identified in the SAM.gov Exclusions database as ineligible, prohibited/restricted or otherwise excluded from receiving Federal contracts, certain subcontracts, and certain Federal assistance and benefits, as their ineligibility condition applies to this Federal program.

IV. Application Requirements

A. Requesting Paper Application Package

Applications packages may be requested from Medicine Lake National Wildlife Refuge Headquarters. They may be requested by telephone, mail, or in person.

Medicine Lake National Wildlife Refuge, 223 N Shore Rd, Medicine Lake, MT 59247
Phone: 406-789-2305

B. Application Form and Content Requirements

To be considered for funding under this funding opportunity, an application must contain:

A. A completed, signed and dated Application for Federal Assistance form. Do not include other Federal sources of funding, requested or approved, in the total entered in the "Federal" funding box on the Application for Federal Assistance form. Enter only the amount being requested under this program in the "Federal" funding box. Include any other Federal sources of funding in the total funding entered in the "Other" box. Programs must include all of the SF-424 forms needed for your applicant types in the Grants.gov "Application Package" attached to the Funding Opportunity on Grants.gov, which means the program may need to add more than one "Application Package" to the Funding Opportunity to provide all the forms needed for every eligible applicant type and project

type. All attached application packages will appear on the Grants.gov Funding Opportunity posting under the "Packages" tab.

B. Project Summary

Continue to monitor the existing 185 wells to determine extent, dynamics and overall quality of the Clear Lake Aquifer in Sheridan County, Montana. In addition, monitor potentially sensitive surface waters for impacts from pivot irrigations as identified by the USFWS as new application for irrigation pivots are received. Determine how much more water can be allocated from the aquifer without detrimental effects to either the aquifer or surface waters that support USFWS trust species.

1. SF-424, Application for Federal Assistance

Applicants must submit the appropriate Standard Form (SF)-424, Application for Federal Assistance. Individuals applying as a private citizen (i.e., unrelated to any business or nonprofit organization you may own or operate in your name), must complete the SF-424, Application for Federal Assistance-Individual form. All other applicants must complete the standard SF-424, Application for Federal Assistance. All of the required application forms are available on the "Packages" tab of this Funding Opportunity on Grants.gov. The SF-424, Application for Federal Assistance must be complete, and signed and dated. Please note: Enter only the amount requested from this Federal program in the "Federal" funding box on the SF-424 Application form. Include any other Federal sources of funding in the "Other" box, and provide details on those Federal source(s) and funding amount(s) in the required Budget Narrative (see the "Budget Narrative" section below).

2. SF 424, Assurances

Applicants must submit the appropriate signed and dated Assurances form. Complete either the SF-424B, Assurances for Non-Construction Programs or the SF-424D, Assurances for Construction Programs, as applicable to your project. All of the required application forms are available on the "Packages" tab of this Funding Opportunity on Grants.gov. The SF-424 Assurances forms include a statement that some of the assurances may not be applicable to your organization and/or your project or program. Signing the required SF-424 Assurances form does not make you or your organization subject to laws that are otherwise not applicable to you or your organization. Changing, crossing out, or making notations on the form before signing has no impact on the applicability of law.

3. Project Narrative

i. **Statement of Need:** Medicine Lake NWR and the Northeast Montana Wetland Management District fall within the Prairie Pothole Region of the Great Plains. This area is critical for breeding and nesting migratory birds. As agricultural practices change so do the demands for irrigation water. The Clear Lake Aquifer underlies some of the most productive areas for migratory birds. The aquifer can support development for agricultural irrigation but how much is unknown. If the aquifer is overdeveloped the impacts could be unrecoverable and could negatively impact surface waters that support migratory birds.

ii. **Project Goals and Objectives:**

a. Determine the extent (in acre-feet of water and surface acres), dynamics (how quickly (in inches over time) does the aquifer recover after irrigation) and quality (water chemistry related to agricultural needs) of the Clear Lake Aquifer.

b. Determine the amount of water (acre-feet), and where (5 management zones), water can be safely allocated for irrigation development.
c. Obtain useful habitat and wildlife information to better inform habitat management decisions and contribute to landscape level conservation.

iii. **Project Activities, Methods and Timetable:**
Over the next year, project activities will include: 1) continue to monitor aquifer levels in the established 185 wells, 2) continue to require water use reports from each irrigator to compare to aquifer levels, 3) when an irrigation well is placed with ½ mile of surface water the USFWS deems of value to trust resources, monitor surface levels to compare to changes in aquifer levels to determine connectivity. If connectivity is detected and data suggests a slower than normal recovery in the aquifer, limit future development. 4) Complete waterfowl surveys (4 square mile, duck banding, shorebird), Native Prairie Adaptive Management surveys, as well as Submerged Aquatic Vegetation surveys.

Because monitoring will be from established wells or within agricultural fields, and surface water monitoring will be within wetland basins, there will be no impact to historical artifacts. Also, this project will have no effect on ESA listed or candidate species as the activities will be outside of sensitive habitats, or time periods.

iv. **Stakeholder Coordination/Involvement:** The USFWS is a member of the Sheridan County Conservation District Technical Advisory Council. Other members include the Montana Bureau of Mines and Geology. All members of the Technical Advisory Committee have been involved in previous work on the Clear Lake Aquifer and reviewing new applications for agricultural irrigation. Priority surveys will be administered by the USFWS and follow USFWS protocol.

v. **Project Monitoring and Evaluation:** The Clear Lake Aquifer underlays a large portion of the Prairie Pothole Region that falls within Sheridan County. Previous work took the initial steps of determining impacts of pivot irrigation, especially within the Medicine Lake North, East and South Management Areas. But less is known about the Dagmar and Clear Lake North Management Areas.

We will use existing data analysis structure from the southern management areas to help us better understand the northern reaches of the Clear Lake Aquifer. We will use an existing network of 185 groundwater monitoring wells to track changes in aquifer water levels while simultaneously monitoring irrigation amounts and precipitation. Once data collection is complete we will be able to determine how quickly the aquifer recharges after extended irrigation. These changes will inform our decisions on how many more irrigation wells could be developed without significantly impacting the aquifer.

Furthermore, in order to determine if there are detrimental effects on surface waters, we will monitor sensitive wetlands within ½ mile of new irrigation wells. We will pair water level changes in the wetland to those of the aquifer to determine connectivity. If we can establish that a connection exists we can then determine if future irrigation development should be avoided.

vi. **Description of Entities Undertaking the Project**: Sheridan County Conservation District has a water reservation of over 15,000 acre-feet for the Clear Lake Aquifer. To date they have limited development at 10,000 acre-feet until more is known about the aquifer and how further development might impact it. As such, the TAC was formed to review irrigation permits and provide direction and implementation of learning more about the aquifer.

Montana Bureau of Mines and Geology has partnered with SCCD TAC in their efforts. They assist with data collection, analysis and storage.

Medicine Lake NWR has also been a member of the SCCD TAC and provides input on applications, direction of aquifer research and potential impacts to USFWS trust species.

vii. **Sustainability:** The SCCD TAC will continue after the project is complete and they have more information regarding the aquifer. Results from this research may indicate further research is needed. If so, then the established groundwater monitoring wells can be used. Funding opportunities will be explored as they present themselves.

4. SF-424, Budget Information

Applicants must submit the appropriate SF-424 Budget Information form. Complete either the SF-424A, Budget Information for Non-Construction Programs or the SF-424C, Budget Information for Construction Programs, as applicable to your project. All of the required application forms are available on the "Packages" tab of this Funding Opportunity on Grants.gov. Federal award recipients and subrecipients are subject to Federal award cost principles as detailed in the Service's "Financial Assistance Award Terms and Conditions". Please note: Show funds requested from this Federal program separately from any other Federal sources of funding. In the "Budget Summary" section, use the first row for funding requested from this Federal program. Use subsequent row(s) for other Federal funding. Enter each Federal program's CFDA number(s) in the corresponding fields on the form. The CFDA number(s) for this Federal program appears on the first page of this Funding Opportunity.

5. Budget Narrative

Describe and justify requested budget items and costs. Detail how the SF-424 Budget Information, Object Class Category totals were determined. For personnel salary costs, include the baseline salary figures and the estimates of time. Describe any item of cost that requires prior approval under the Federal cost principles. See 2 CFR 200.407 "Prior written approval (prior approval)" for more information. If equipment purchased previously with Federal funds is available for the project, provide a list of that equipment and identify the Federal funding source.

If the project budget includes multiple Federal funding sources, you must show the funds being requested from this Federal program on the budget form separately from any other requested/secured Federal sources of funding. Enter the funds being requested from this Federal program in the first row of the Budget Summary section of the form, and then enter funding related to other Federal programs in the subsequent row(s). Be sure to enter each

Federal program's CFDA number in the corresponding fields on the form. The CFDA number for this Federal program appears on the first page of this funding opportunity.

6. **Indirect Costs: Individuals**
   Individuals applying for and receiving funds separate from a business or non-profit organization he/she may operate are not eligible to charge indirect costs to their award. If you are an individual applying for funding, do not include any indirect costs in your proposed budget and skip the next section.

7. **Indirect Costs: Organizations**
   The Federal awarding agency that provides the largest amount of direct funding to your organization is your cognizant agency for indirect costs, unless otherwise assigned by the White House Office of Management and Budget (OMB). If the Department of the Interior is your organization's cognizant agency, the Interior Business Center will negotiate your indirect cost rate. Contact the Interior Business Center by phone 916-930-3803 or using the IBC Email Submission Form. See the IBC Website for more information.

   Organizations must have an active Federal award before they can submit an indirect cost rate proposal to their cognizant agency. Failure to establish an approved rate during the award period renders all costs otherwise allocable as indirect costs unallowable under the award. Recipients must have prior written approval from the Service to use amounts budgeted for direct costs to satisfy cost-share or match requirements or to cover unallowable indirect costs. Recipients shall not shift unallowable indirect costs to another Federal award unless specifically authorized to do so by legislation.

   Required Indirect Cost Statement
   All organizations must include the applicable statement from the following list in their application to the Service, and attach to their application any documentation identified in the applicable statement:

   We are:

   ☐ A U.S. state or local government entity receiving more than $35 million in direct Federal funding each year with an indirect cost rate of [insert rate]. We submit our indirect cost rate proposals to our cognizant agency. Attached is a copy of our most recently approved rate agreement/certification.

   ☐ A U.S. state or local government entity receiving less than $35 million in direct Federal funding with an indirect cost rate of [insert rate]. We have prepared and will retain for audit an indirect cost rate proposal and related documentation.

   ☐ A [insert your organization type; U.S. states and local governments, please use one of the statements above or below] that has previously negotiated or currently has an approved indirect cost rate with our cognizant agency. Our indirect cost rate is [insert rate]. [Insert either: "Attached is a copy of our most recently approved but expired rate agreement. In the event an award is made, we will submit an indirect cost rate proposal to our cognizant agency within 90 calendar days after the award is made." *or* "Attached is a copy of our current negotiated indirect cost rate agreement."]

   ☐ A [insert your organization type] that has never submitted an indirect cost rate proposal to our cognizant agency. Our indirect cost rate is [insert rate]. If we receive an award, we will

submit an indirect cost rate proposal to our cognizant agency within 90 calendar days after the award date.

☐ A [insert your organization type] that has never submitted an indirect cost rate proposal to our cognizant agency and has an indirect cost rate that is lower than 10%. Our indirect cost rate is [insert rate; must be lower than 10%]. However, if we receive an award we will not be able to meet the requirement to submit an indirect cost rate proposal to our cognizant agency within 90 calendar days after award. We request as a condition of award to charge a flat indirect cost rate of [insert rate; must be lower than 10%] against [insert a clear description of the direct cost base against which your rate is charged (e.g., salaries; salaries and fringe benefits; or modified total direct costs). However, please note that your organization cannot charge indirect costs in excess of the indirect costs that would be recovered if applied against modified total direct costs as defined in 2 CFR 200.68]. We understand that we must notify the Service in writing if we establish an approved rate with our cognizant agency at any point during the award period.

☐ A [insert your organization type] that has never submitted an indirect cost rate proposal to our cognizant agency and has an indirect cost rate that is 10% or higher. Our indirect cost rate is [insert your organization's indirect rate; must be 10% or higher]. However, if we receive an award we will not be able to meet the requirement to submit an indirect cost rate proposal to our cognizant agency within 90 calendar days after award. We request as a condition of award to charge a flat *de minimis* indirect cost rate of 10% to be charged against modified total direct project costs as defined in 2 CFR 200.68. We understand that we must notify the Service in writing if we establish a negotiated rate with our cognizant agency at any point during the award period. We understand that additional Federal funds may not be available to support an unexpected increase in indirect costs during the project period and that such changes are subject to review, negotiation, and prior approval by the Service.

☐ A [insert your organization type] that is submitting this proposal for consideration under the [insert either "Cooperative Fish and Wildlife Research Unit Program" or "Cooperative Ecosystem Studies Unit Network"], which has a Department of the Interior-approved indirect cost rate cap of [insert program rate]. If we have an approved indirect cost rate with our cognizant agency, we understand that we must apply this reduced rate against the same direct cost base as identified in our approved indirect cost rate agreement. If we do not have an approved indirect cost rate with our cognizant agency, we understand that we must charge indirect costs against the modified total direct cost base defined in 2 CFR 200.68 "Modified Total Direct Cost (MTDC)". We understand that we must request prior approval from the Service to use the 2 CFR 200 MTDC base instead of the base identified in our approved indirect cost rate agreement. We understand that Service approval of such a request will be based on: 1) a determination that our approved base is only a subset of the MTDC (such as salaries and wages); and 2) that use of the MTDC base will still result in a reduction of the total indirect costs to be charged to the award. In accordance with 2 CFR 200.405, we understand that indirect costs not recovered due to a voluntary reduction to our federally negotiated rate are not allowable for recovery via any other means.

☐ A [insert your organization type] that will charge all costs directly.

8. Conflict of Interest Disclosure

Applicants must state in their application if any actual or potential conflict of interest exists at the time of submission. Conflicts of interest include any relationship or matter that might place the recipient, including their employees and subrecipients, in a position of conflict, real or apparent, between their responsibilities under the award and any other outside interests. Conflicts of interest include direct or indirect financial interests; close personal relationships; positions of trust in outside organizations; consideration of future employment arrangements with a different organization; and decision-making authority related to the proposed project. Conflicts of interest are those circumstances real or perceived that would cause a reasonable person with knowledge of the relevant facts to question the impartiality of the applicant, or the applicant's employees or subrecipients, in matters pertaining to the proposed project. Applicants must notify the Service in writing in their application if any employees, including subrecipient and contractor personnel, are related to, married to, or have a close personal relationship with any Federal employee in the Federal program receiving this application or who otherwise may be involved in the review and selection of their proposal. The term employee means any individual to be engaged in the performance of work pursuant to the Federal award application. Failure to disclose and resolve conflicts of interest in a manner that satisfies the Service may result in the rejection or disqualification of the application.

9. **Single Audit Reporting Statement**
   All U.S. states, local governments, federally recognized Indian tribal governments, and non-profit organizations expending $750,000 USD or more in Federal award funds in the applicant's fiscal year must submit a Single Audit report for that year through the Federal Audit Clearinghouse's Internet Data Entry System. U.S. state, local government, federally recognized Indian tribal government, and non-profit applicants must state if your organization was or was not required to submit a Single Audit report for the most recently closed fiscal year. If your organization was required to submit a Single Audit report for the most recently closed fiscal year, provide the EIN associated with that report and state if it is available through the Federal Audit Clearinghouse website.

10. **Certification Regarding Lobbying**
    Applicants requesting more than $100,000 in Federal funding must certify to the statements in 43 CFR Part 18, Appendix A-Certification Regarding Lobbying. If this application requests more than $100,000 in Federal funds, the Authorized Official's signature on the appropriate SF-424, Application for Federal Assistance form also represents the entity's certification of the statements in 43 CFR Part 18, Appendix A.

11. **Disclosure of Lobbying Activities**
    Applicants and recipients must not use any federally appropriated funds (annually appropriated or continuing appropriations) or matching funds under a Federal award to pay any person for lobbying in connection with the award. Lobbying is influencing or attempting to influence an officer or employee of any U.S. agency, a Member of the U.S. Congress, an officer or employee of the U.S. Congress, or an employee of a Member of the U.S. Congress connection with the award. Applicants and recipients must complete and submit the SF-LLL, Disclosure of Lobbying Activities if the Federal share of the proposal or award is more than $100,000 and the applicant or recipient has made or has agreed to make any payment using non-appropriated funds for lobbying in connection with the application or award. The SF-LLL form is available on the "Packages" tab of this Funding Opportunity on Grants.gov. See 43 CFR, Subpart 18.100 for more information on when additional submission of this form is required.

12. Overlap or Duplication of Effort Statement

Applicants must provide a statement indicating if there is any overlap between this Federal application and any other Federal application, or funded project, in regards to activities, costs, or time commitment of key personnel. If no such overlap or duplication exists, state, "*There are no overlaps or duplication between this application and any of our other Federal applications or funded projects, including in regards to activities, costs, or time commitment of key personnel*". If any such overlap exists, provide a complete description of overlaps or duplications between this proposal and any other federally funded project or application in regards to activities, costs, and time commitment of key personnel, as applicable. Provide a copy of any overlapping or duplicative proposal submitted to any other potential funding entity and identify when that proposal was submitted, to whom (entity name and program), and when you anticipate being notified of their funding decision. When overlap exists, your statement must end with "*We understand that if at any time we receive funding from another source that is duplicative of the funding we are requesting from the U.S. Fish and Wildlife Service in this application, we will immediately notify the U.S. Fish and Wildlife Service point of contact identified in this Funding Opportunity in writing.*"

13. APPLICATION CHECKLIST

- ☐ **SF-424, Application for Federal Assistance or Application for Federal Assistance-Individual**
- ☐ **SF-424B or D, Assurances**
- ☐ **Project Narrative**
- ☐ **SF-424A or C, Budget Information**
- ☐ **Budget Narrative**
- ☐ **Indirect Cost Statement and related documentation (when applicable)**
- ☐ **Conflict of Interest Disclosure (when applicable)**
- ☐ **Single Audit Reporting Statement (when applicable)**
- ☐ **SF-LLL, Disclosure of Lobbying Activities (when applicable)**
- ☐ **Overlap or Duplication of Effort Statement**

Failure to provide complete information may cause delays, postponement, or rejection of the application.

V. Submission Requirements

A. Unique Entity Identifier and System for Award Management (SAM.gov) Registration

These requirements do not apply to any individual applying for funds as a private citizen or any entity with an exception approved by the Federal awarding agency under 2 CFR 25.110(d). All other applicants are required to obtain a Data Universal Numbering System (DUNS) number from Dun & Bradstreet and provide that number in the application; complete SAM.gov registration before submitting an application; and continue to maintain an active SAM.gov registration with current information at all times when the entity has an active Federal award or application under consideration. **There is NO COST to register with Dun & Bradstreet or SAM.gov**. There are third-party vendors who will charge a fee in exchange for registering entities with Dun & Bradstreet and SAM.gov; **please be aware you can register and request help for free**.

1. **Obtain a DUNS Number**
   Request a DUNS Number through the Dun & Bradstreet website. The official website address is http://fedgov.dnb.com/webform. For technical difficulties, send an email to the D&B SAM Help Desk. Please ensure that you are able to receive emails from SAMHelp@dnb.com. The Grants.gov "Obtain a DUNS Number" webpage also provides detailed instructions. Once assigned a DUNS number, your organization must maintain up-to-date information with Dun & Bradstreet. Applicants must enter their DUNS number in the "Organizational DUNS" field on the SF-424, Application for Federal Assistance form.

2. **Register with SAM**
   Register on the SAM.gov website. The official website address is http://www.sam.gov. The "Help" tab on the website contains User Guides and other information to assist you with registration. The Grants.gov Register with SAM" webpage also provides detailed instructions. You can also contact the supporting Federal Service Desk for help registering in SAM. Once registered in SAM, entities must renew and revalidate their SAM registration at least once every 12 months from the date previously registered. Entities are strongly encouraged to revalidate their registration as often as needed to ensure their information is up to date and reflects changes that may have been to the entity's DUNS or IRS information. Foreign entities who want to receive payment directly to a U.S. bank account must enter and maintain valid, current banking information in SAM.

B. Submission Dates and Times
Submission Deadline: March 1, 2019

C. Intergovernmental Review
Prior to application submission, U.S. state and local government applicants should visit the OMB Office of Federal Financial Management website and view the "State Point of Contact (SPOC) List" to determine whether their application is subject to the state intergovernmental review process under Executive Order (E.O.) 12372 "Intergovernmental Review of Federal Programs." States not on the list do not participate in the intergovernmental review process, and therefore do not have a SPOC. If you are located within a State that does not have a SPOC, you may send application materials directly to a Federal awarding agency. If your state is on the list, contact the designated entity for more information on the state's prior review requirements for Federal assistance applications.

D. Funding Restrictions
Funding may be utilized in any way in order to complete the project request. The approved budget section of the application will lay out what funds will be used for. Funds may not be utilized for construction purposes other than monitoring wells. Equipment may be purchased as long as that equipment is exclusively utilized for the monitoring of groundwater applications and no other reason. All construction and equipment purchases must have prior agency approval. We will allow up to a 5% utilization of funds for administrative costs associated with the project. We will not allow reimbursement of pre-Federal award costs.

E. Submission Instructions
Download the Application Package linked to this Funding Opportunity on Grants.gov to begin the application process. Downloading and saving the Application Package to your computer makes the required government-wide standard forms fillable and printable. Completed applications may be

submitted by mail, by email, electronically through Grants.gov, or as otherwise described in the Grants.gov funding opportunity. Please select ONE of the submission options:

To submit an application by mail:

Number all pages of your printed application. Mail one, single-sided, unbound copy (do not staple or otherwise permanently bind pages) of your complete application to the Service program point of contact identified in the Grants.gov funding opportunity.

The required SF 424 Application for Federal Assistance and Assurances forms and any other required standard forms MUST be signed by your organization's authorized official. The Signature and Date fields on the standard forms downloaded from Grants.gov are pre-populated with the text "Completed by Grants.gov upon submission" or "Completed on submission to Grants.gov". Remove this text (manually or digitally) before signing the forms.

To submit an application by e-mail:

Format all of your documents to print on Letter size (8 ½" x 11") paper. Format all pages to display and print page numbers. Scanned documents should be scanned in Letter format, as black and white images only. Where possible, save scanned documents in .pdf format. E-mail your application to the Service program point of contact identified in the Grants.gov funding opportunity.

The required SF 424 Application for Federal Assistance and Assurances forms and any other required standard forms MUST be signed by your organization's authorized official. The Signature and Date fields on the standard forms downloaded from Grants.gov are pre-populated with the text "Completed by Grants.gov upon submission" or "Completed on submission to Grants.gov". Remove this text (manually or digitally) before signing the forms.

To submit an application through Grants.gov:

Go to the Grants.gov Apply for Grants page (http://www.grants.gov/web/grants/applicants/apply-for-grants.html) for an overview of the process to apply through Grants.gov. You/your organization must complete the Grants.gov registration process before submitting an application through Grants.gov. Registration can take between three to five business days, or as long as two weeks if all steps are not completed in a timely manner.

Important note on Grants.gov application attachment file names: Please do not assign application attachments file names longer than 20 characters, including spaces. Assigning file names longer than 20 characters will create issues in the automatic interface between Grants.gov and the Service's financial assistance management system.

This program encourages applicants to submit their applications online through Grants.gov. Follow these steps to apply through Grants.gov.

1. **Register with Grants.gov**
   Applicants must first register an account with Grants.gov and complete all steps of the registration process before they can apply through Grants.gov. Grants.gov registration requires

the entity to create an account, create an account profile, and establish authorized profile roles, including the applicant's authorized representative. Registration can take three to five business days or longer, if you do not complete the required steps in a timely manner.

2. **Grants.gov Workspace Application**
   Grants.gov applicants apply online using Workspace. Workspace is a shared, online environment where members of a grant team may simultaneously access and edit different webforms within an application. For each funding opportunity announcement, you can create individual instances of a workspace. To apply, the applicant will create, complete, and submit a Workspace application package for this Funding Opportunity directly on Grants.gov. Grants.gov recommends submitting your application package at least 24-48 hours prior to the close date to allow time to correct any potential technical issues that may disrupt the application submission. When attaching files to the Grants.gov application, please do not assign file names longer than 20 characters, including spaces. File names longer than 20 characters will prevent your application received by Grants.gov from automatically downloading into the Service's financial assistance management system. Applicants using slow internet, such as dial-up connections, should be aware that the transmission of the application to Grants.gov takes time. Grants.gov sends either an error message or a "successfully received" message by email to the applicant's authorized representative once the transmission is complete. Please do not end the transmission process before receiving that message.

3. **Proof of Timely Submission**
   Grants.gov automatically generates an electronic date and time stamp in the system upon application receipt. Grants.gov sends an acknowledgement of receipt with the date and time stamp and a unique Grants.gov application tracking number to the authorized representative by email. This email from Grants.gov serves as your proof of timely submission.

VI. Application Review Information

A. Criteria

To be considered for funding, applications must communicate the following:

Unique qualifications to install data logging equipment in new and existing aquifer monitoring wells to provide accurate aquifer analysis that will enable continued proactive management of the 1994 Clear Lake aquifer water reservation. On which USFWS is involved in a Technical Advisory Committee to provide expertise on potential impacts to USFWS interests.

Applicant must be able to successfully upload aquifer data to Montana's Ground Water Information Center and produce an aquifer model of the Clear Lake North Management Area to provide both active and potential aquifer impacts.

Applicant must also be capable of providing technical expertise to complete biological surveys which may include but not limited to: migratory birds, native and non-native vegetation, and submerged aquatic vegetation.

B. Review and Selection Process

Applicants will be rated by the following:

1. What is the potential for the proposed activity to:
   a. Advance knowledge and understanding within its own field or across different fields; And
   b. Benefit society or advance desired societal outcomes (Broader Impacts)?
2. Is the plan for carrying out the proposed activities well-reasoned, Well organized, And based on a sound rationale? Does the plan incorporate a mechanism to assess success?
3. How well qualified is the individual, team, or organization to conduct the proposed activities?
4. Are there adequate resources available (through subawards or collaborations) to carry out the proposed activities?

The applications/proposals to be reviewed have been solicited to meet a specific program objective and cannot appropriately be reviewed by a standing committee because of subject matter, time constraints, or other limitations

Prior to award, the Service will review any applicant statement regarding potential overlap or duplication between the project to be funded and any other funded or proposed project in terms of activities, funding, or time commitment of key personnel. Depending on the circumstances, the Service may request modification to the application, other pending applications, or an active award, as needed to eliminate any duplication of effort, or the Service may choose not to fund the selected project.

The Service may not make a Federal award to an applicant that has not completed the SAM.gov registration. If an applicant selected for funding has not completed their SAM.gov registration by the time the Service is ready to make an award, the program may determine that the applicant is not qualified to receive an award. The program can use that determination as a basis for making an award to another applicant.

Prior to award, the Service will evaluate the risk posed by applicants as required in 2 CFR 200.205. Service programs document applicant risk evaluations using the Service's "Financial Assistance Recipient Risk Assessment" form. Prior to approving awards for Federal funding in excess of the simplified acquisition threshold (currently $250,000), the Service is required to review and consider any information about or from the applicant found in the Federal Awardee Performance and Integrity Information System. The Service will consider this information when completing the risk review. The Service uses the results of the risk evaluation to establish monitoring plans, recipient reporting frequency requirements, and to determine if one or more of the specific award conditions in 2 CFR 200.207 should be applied the award.

VII. Federal Award Administration

A. Federal Award Notices

Following review, applicants may be requested to revise the project scope and/or budget before an award is made. Successful applicants will receive written notice in the form of a notice of award document. Notices of award are typically sent to recipients by e-mail. If e-mail notification is unsuccessful, the documents will be sent by courier mail (e.g., FedEx, DHL or UPS). Award recipients are not required to sign/return the Notice of Award document. Acceptance of an award is defined as starting work, drawing down funds, or accepting the award via electronic means. Awards are based on the application submitted to, and as approved by, the Service. The notice of award document will include instructions specific to each recipient on how to request payment. If applicable, the instructions will detail any additional information/forms required and where to

submit payment requests. Applicants whose projects are not selected for funding will receive written notice, most often by e-mail, within 30 days of the final review decision.

Awards are based on the application submitted to and approved by the Service and are subject to the terms and conditions incorporated into the Notice of Award either by direct citation or by reference to the following: Federal regulations; program legislation or regulation; and special award terms and conditions. Recipient acceptance of a Federal award from the Service carries with it the responsibility to be aware of and comply with all terms and conditions applicable to the award. Recipients indicate their acceptance of the Federal award by starting work, drawing down funds, or accepting the award via electronic means.

B. Award Terms and Conditions

Awards are based on the application submitted to and approved by the Service and are subject to the terms and conditions incorporated into the notice of award either by direct citation or by reference to the following: Federal regulations; program legislation or regulation; and special award terms and conditions. See the Service's "Financial Assistance Award Terms and Conditions" for the administrative and national policy requirements applicable to Service awards.

C. Payments

Domestic recipients are required to register in and receive payment through the U.S. Treasury's Automated Standard Application for Payments (ASAP), unless approved for a waiver by the Service program. Foreign recipients receiving funds to a final destination bank outside the U.S. are required to receive payment through the U.S. Treasury's International Treasury Services (ITS) System. Foreign recipients receiving funds to a final destination bank in the U.S. are required to enter and maintain current banking details in their SAM.gov entity profile and receive payment through the Automated Clearing House network by electronic funds transfer (EFT). The Service will include recipient-specific instructions on how to request payment, including identification of any additional information required and where to submit payment requests, as applicable, in all Notices of Award.

D. Reporting Requirements

The Service will include recipient-specific reporting requirements, including the required reports, reporting frequency, and report due dates in all Notices of Award, as applicable.

1. Financial Reports

All recipients must use the SF-425, Federal Financial Report form for financial reporting. At a minimum, all recipients must submit a **final** financial report. Final reports are due no later than 90 calendar days after the award period of performance end date or termination date. For awards with periods of performance longer than 12 months, recipients are required to submit **interim** financial reports on the frequency established in the Notice of Award. See Service policy 516 FW 1, Monitoring Financial and Performance Reporting for Financial Assistance for more information.

2. Performance Reports

Performance reports must contain a comparison of actual accomplishments with the established goals and objectives of the award; a description of reasons why established goals were not met, if appropriate; and any other pertinent information relevant to the project results. At a minimum, all recipients must submit a **final** performance report. Final reports are due no later than 90 calendar days after the award period of performance end date or termination date. For

awards with periods of performance longer than 12 months, recipients are required to submit **interim** financial reports on the frequency established in the Notice of Award. See Service policy 516 FW 1, Monitoring Financial and Performance Reporting for Financial Assistance for more information.

3. **Significant Developments Reports**
   Events may occur between the scheduled performance reporting dates that have significant impact upon the supported activity. In such cases, recipients are required to notify the Service in writing as soon as the recipient becomes aware of any problems, delays, or adverse conditions that will materially impair the ability to meet the objective of the Federal award. This disclosure must include a statement of any corrective action(s) taken or contemplated, and any assistance needed to resolve the situation. The recipient should also notify the Service in writing of any favorable developments that enable meeting time schedules and objectives sooner or at less cost than anticipated or producing more or different beneficial results than originally planned.

4. **Real Property Reports**
   Recipients and subrecipients are required to submit status reports on the status of real property in which the Federal government retains an interest. The required frequency of these reports will depend on the anticipated length of the Federal interest period. The Service will include recipient-specific real property reporting requirements, including the required data elements, reporting frequency, and report due dates, as applicable.

5. **Conflict of Interest Disclosures**
   Recipients must notify the Service immediately in writing of any actual or potential conflicts of interest that arise during the life of their Federal award. Conflicts of interest include any relationship or matter that might place the recipient, including their employees and subrecipients, in a position of conflict, real or apparent, between their responsibilities under the award and any other outside interests. Conflicts of interest include direct or indirect financial interests; close personal relationships; positions of trust in outside organizations; consideration of future employment arrangements with a different organization; and decision-making authority related to the award. Conflicts of interest are those circumstances real or perceived that would cause a reasonable person with knowledge of the relevant facts to question the impartiality of the recipient or the recipients's employees or subrecipients in matters pertaining to the award. Recipients must notify the Service in writing if any employees, including subrecipient and contractor personnel, are related to, married to, or have a close personal relationship with any Federal employee in the Federal funding program or who otherwise may have been involved in the review and selection of the award. The term employee means any individual engaged in the performance of work pursuant to the Federal award. Failure to disclose and resolve conflicts of interest in a manner that satisfies the Service may result in any of the remedies described in 2 CFR 200.338 Remedies for Noncompliance, including termination of the award.

6. **Other Mandatory Disclosures**
   The non-Federal entity or applicant for a Federal award must disclose, in a timely manner, in writing to the Federal awarding agency or pass-through entity all violations of Federal criminal

law involving fraud, bribery, or gratuity violations potentially affecting the Federal award. Non-Federal entities that receive a Federal award including the term and condition outlined in 2 CFR 200, Appendix XII—Award Term and Condition for Recipient Integrity and Performance Matters are required to report certain civil, criminal, or administrative proceedings to SAM. Failure to make required disclosures can result in any of the remedies described in 2 CFR 200.338 Remedies for Noncompliance, including suspension or debarment.

VIII. Federal Awarding Agency Contact(s)

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