



# 2024 Nonpoint Source Application - Capacity Building and/or Education Outreach Projects

## General Information

**Project Name**

**Applicant Name**

**Is your organization registered with the Montana Secretary of State?**

*Explanation:* Each applicant must be registered with the Montana Secretary of State to do business in the state of Montana. Registration with the Secretary of State may be completed via the following website: <https://sosmt.gov/business/>

**Is your organization registered with the federal System for Award Management (SAM)?**

*Explanation:* Each applicant is required to register with SAM. To register or check your organization's status, go to <https://sam.gov/content/home>. If you get an "Unsupported Browser" error, copy, and paste the link into a Google Chrome browser window.

**Your organization's Unique Entity Identifier number (UEI #)**

*Explanation:* Each applicant is required to have a current UEI number. The UEI number replaces the old DUNS number. If your organization had a DUNS number, you should have received a notification from the federal government indicating that your DUNS number has been changed to a UEI number. If you did not receive this notification, or if you never had a DUNS number, you will need to go to the federal government's System for Award Management (SAM - <https://sam.gov/content/home>) to obtain your UEI number. DEQ recommends starting this process early as it is very time-consuming, requires providing documentation-sometimes with follow-up requests for additional information, and can take up to 2 months to complete. If you need assistance, you may contact the federal help desk at 866-606-8220 Monday-Friday 8:00 a.m. through 8:00 p.m. EST.

**Does your organization have adequate liability insurance for the risks associated with your project?**

*Explanation:* Each applicant must have or obtain liability insurance coverage meeting the requirements stated in the Draft Sample Contract and/or requirements negotiated based on the appropriate level of risk associated with the project.

**Primary Contact**  **Title**

**Address**  **City**  **State**  **Zip Code**

**Phone Number**  **Email**

**Signature**  Digitally signed by Heather Mullee  
Date: 2024.04.05 16:34:17 -06'00'

*Explanation:* This is the person who DEQ would routinely contact to discuss project progress, billing, etc.

**Signatory**  **Title**

**Address**  **City**  **State**  **Zip Code**

**Phone Number**  **Email**

**Signature**  Digitally signed by Heather Mullee  
Date: 2024.04.05 16:34:27 -06'00'

*Explanation:* This is the person who can legally sign contracts and other binding documents on behalf of the applicant (e.g., a board chair)

*Note:* The primary contact and the signatory must both sign the application. Signatures must be either signed electronically, or wet-signed, scanned and emailed.

## Project Description

- Capacity Building: Briefly describe your proposed capacity and planning project. Include area of interest, scope, and why the proposed work is an appropriate next step for protection or improvement of water quality. Include a list of anticipated activities and outcomes, and the metrics you will use for evaluating effectiveness.

AND/OR

- Education Outreach: Briefly describe your education outreach project and what nonpoint source pollution, or cause of pollution you are addressing. Explain how you will address nonpoint source pollution awareness and/or reduction. Include a list of anticipated activities and outcomes, and the metrics you will use for evaluating effectiveness.

**Activity Location** List the watershed and any sub watersheds where your proposed work will happen.

## Budget Form

Please fill out the Capacity Building and/or Education Outreach Project Budget Template (Excel file). Cells highlighted in yellow may be edited to fit the needs of your particular project. DEQ uses a template to construct nonpoint source grant contracts. The Budget Template contains tasks and typical deliverables that match up with the grant contract template. Please see the Example Contract and Scope of Work template for a more detailed look at typical task requirements and deliverables.

## Budget Summary

Please manually enter the summary information from the Excel file below.

Nonpoint Source Funding Request	Non-Federal Match	Other Funding	Total Cost
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## Additional Questions

Please use the next few questions to tell us about your proposed project and why it is the appropriate approach.

- Capacity Building - How will the proposed activities improve your organization's capacity to plan and carry out projects to reduce nonpoint source pollution?

AND/OR

- Education Outreach: What awareness, knowledge, skills, or behavior will be developed as a result of your program or project? How will your program or project change behaviors or attitudes?

- Capacity Building: Identify the stakeholders you plan to engage and their role in these planning activities.

AND/OR

- Education Outreach: Identify the target audience and how your message will be delivered

Describe your anticipated timeline.

## Environmental Justice

Environmental justice can be defined as: The fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income, with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies. This goal will be achieved when everyone enjoys:

- The same degree of protection from environmental and health hazards, and
- Equal access to the decision-making process to have a healthy environment in which to live, learn, and work

DEQ is committed to carrying out the nonpoint source pollution reduction projects in an environmentally just manner. We encourage applicants to apply the principles of environmental justice in their development and implementation of nonpoint source pollution prevention projects. Below are a few examples of how applicants might apply these principles. DEQ will award additional points in the scoring form for projects that address environmental justice.

- Project planning included consultation with Tribal Nations
- Project will benefit socially or economically disadvantaged communities
- Project will occur in a community that has not previously received nonpoint source pollution reduction grant funding
- Project will address nonpoint source pollution in a community that has been disproportionately burdened by impacts from legacy pollution (e.g., SuperFund sites, legacy mine waste, etc)

Please use this section to highlight connections your project may have to addressing environmental justice.

Use the space below to include anything additional for the review panel to consider. Attach additional items and information that could help reviewers better understand your project. Please be conscious of reviewers' time, as they may not have time to read lengthy studies and reports. Please do not attach copies of TMDL documents or watershed restoration plans.

## Project Administration

Each contract will have a Project Administration Task. Take the requirements (listed below) into consideration when planning logistics and budget for your project. Project administration includes bookkeeping, invoicing, interim/annual/final report preparation, office supplies, rent, communications, etc. Nonpoint source funding applied to this task must not exceed 10% of the total amount of funding requested, or \$3,000, whichever is lower. Like all other tasks, payment is by reimbursement for actual expenses incurred.

### *Report Format:*

- *Contractor shall submit each Attachment B Billing Statement, Mid-Year Report, Interim Report, Annual Report, and Final Report using the most current reporting guidance and templates provided by the DEQ project manager.*
- *Contractor shall ensure each Mid-Year, Interim, Annual, and Final Report contains adequate documentation to justify accompanying reimbursement requests and match reporting, to the satisfaction of the DEQ project manager.*
- *Contractor shall ensure that the Final Report is a standalone document describing all contract activities and containing copies of all contract deliverables (even if the deliverables were previously submitted).*

### *Reporting Schedule:*

- *Mid-Year Reports: Due June 1st of each year the Contract is in effect.*
- *Annual Reports: Due December 1st of each year the Contract is in effect.*
- *Interim Reports: Due whenever reimbursement is requested outside of the normal Mid-Year, Annual and Final reporting periods while the Contract is in effect.*
- *Draft Final Report: Contractor shall submit a complete draft Final Report for DEQ review and comment at least 15 days prior to the contract expiration date.*
- *Final Report: Contractor shall submit a Final Report, addressing DEQ comments on the draft Final Report, on or before the Contract expiration date.*
- *Attachment B Billing Statements: Contractor shall submit an Attachment B Billing Statement with each Mid-Year, Interim, Annual, or Final Report submitted to DEQ while the Contract is in effect. To maintain cash flow, Contractor may submit interim Attachment B Billing Statements as frequently as monthly during the term of the Contract. However, each interim Attachment B Billing Statement must be accompanied by an Interim Report.*
- *Exception to the Reporting Schedule: The Final Report and associated Attachment B Billing Statement will replace the last required Mid-Year or Annual Report.*

## Staff Contact

Please reach out to the following DEQ staff for assistance in preparing your application.

Meagan Gilmore, Water Quality Specialist

P: 406-755-8981

E: Meagan.Gilmore@mt.gov

# Picturing Recharge in Teton Valley

## What is Recharge?

Aquifer recharge or “recharge” occurs when surface water is absorbed into the ground and becomes groundwater. In Teton Valley there is a great deal of interaction between surface and groundwater, water is recharged into the aquifer via precipitation, sprinkler irrigation, and water seepage in streams, ditches, and irrigation canals. Water that enters the aquifer moves through the ground more slowly than the surface water running downstream, and is delayed in its return to the Teton River.

## Why is FTR interested in Recharge?

By strategically recharging groundwater resources—intentionally recharging water to the sub-surface in specific headwater locations when water is plentiful—we are able to keep water “stored” just a little longer in the natural reservoir under our feet, replenishing groundwater supplies for household wells, and delaying water contributions to streams and wetlands, so that the river has a cool and consistent release of water from the aquifer in late summer when fish and wildlife need it most.

## How can Recharge help our community?

On average, less water is available from snowmelt and leaving Teton Valley earlier in the year, which has also left farmers with less water for irrigating crops, less water in wells and city drinking water supplies, and less water with higher temperatures in the Teton River to support fish and wildlife. By working with willing water rights holders and irrigators to actively recharge snowmelt into the aquifer, we can increase a more stable groundwater supply for all.

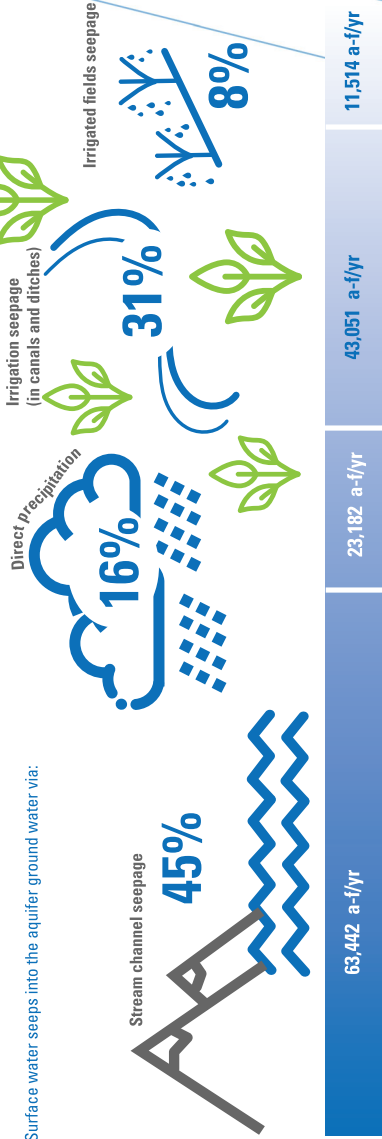
## Who are we working with?

A pilot recharge effort is being led and managed by the Teton Water Users Association—a group including FTR, agricultural producers, conservation groups, municipal and county leaders, and experts in hydrology and economics of the rural West; including the Teton Soil Conservation District, Farm Bureau, individual water rights holders, canal companies, FTR, the Henry’s Fork Foundation, and others—whose goal is to increase water levels in the aquifer and the Teton River. This will insulate farmers (and fish) against changes in water availability, while increasing water supply reliability, especially in times of drought.

*Coming from Amy interactions quote goes bers volut ad magnatur, odis et omnis as consed ut evelit et, intore magnimus poreum simporer.*

## WATER SOURCES OF TETON VALLEY RECHARGE:

Surface water seeps into the aquifer ground water via:



63,442 a-f/yr

23,182 a-f/yr

43,051 a-f/yr

11,514 a-f/yr

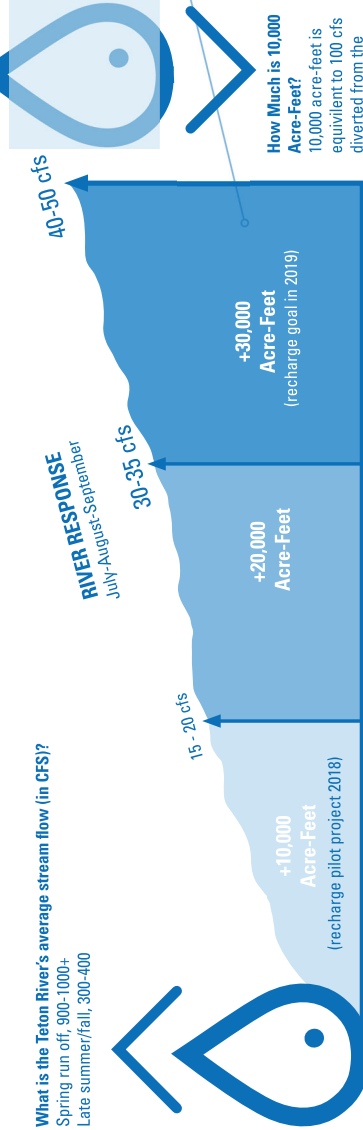
TOTAL TETON VALLEY RECHARGE = 141,189 ACRE-FEET PER YEAR

39% Contribution of agriculture to recharging the aquifer

## MANAGED RECHARGE PILOT PROJECT

What is the Teton River’s average stream flow (in CFS)?

Spring run off, 900-1000+  
Late summer/fall, 300-400



How Much is 10,000 Acre-Feet? 10,000 acre-feet is equivalent to 100 cfs diverted from the Teton River for 50 days.

RECHARGE EFFORT Additional water recharged in April-May-June. Amount in acre-feet.

## Did you know?

Irrigation canals and irrigated fields contribute significantly to recharging the aquifer. Of the water diverted into canals, 40 percent seeps into the ground as recharge, and only 25 percent of the water applied to fields is used by crops. So, about half of the water used for agriculture annually in Teton Valley (45,000 acre-feet) ends up back in the Teton River.

## What is an acre-foot?

Water managers and farmers talk about water in acre-feet. One acre-foot is the amount of water it would take to cover one acre (about the size of a football field) with water one foot deep. One acre-foot is 326,000 gallons. The average size Olympic swimming pool takes 2 acre-feet of water to fill.

## What is our plan?

FTR is working with irrigators to strategically use spring flows (April-June) to recharge the aquifer through strategic flood irrigation by running water through canals in the early-season, while conserving water later in the season (July-September) when stream flows decline. FTR has secured grant funding to test recharge strategies—irrigators and irrigation companies receive financial incentives to increase recharge in the spring using existing water rights. FTR is closely monitoring the recharge response by measuring groundwater inputs and stream flows in the Teton River. In 2018, we recharged an additional 10,000 acre-feet to the aquifer. Our goal in 2019 is to recharge 30,000 acre-feet to groundwater for a slow release to the Teton River.

THE GOAL OF THE MANAGED RECHARGE PILOT IS TO CONVERT SURFACE WATER to groundwater in early spring (April-June) and CONSERVE water in summer (July-September).

# BUDGET

2024 Nonpoint Source Pollution Reduction Application - Capacity Building AND/OR Education & Outreach

Project Title:								
Instructions	Tasks and Potential Deliverables	Nonpoint Source	Non-Federal Match**	Other Funding***	Match Source	Match Sec	Total Project Cost	Additional Information****
<p><b>Capacity Building:</b> This task may include the initial stages of developing a variety of Plans, designing demonstration projects, etc.</p> <p><b>Education &amp; Outreach:</b> This task may include the development of your outreach program, planning tours, developing materials, etc.</p> <p>Please include anticipated deliverables and a detailed budget.</p>	<b>Project and Program Development</b>							
	BWP information collection, materials prep, and dissemination	\$ 2,500.00					\$ 2,500.00	\$50/hour for ED
	Consultant Time collecting and delivering information	\$ 5,000.00	\$ 5,000.00			Y	\$ 10,000.00	\$125/hour for consultant; BWP donor supported funds will match
	Consistent and continued stakeholder engagement	\$ 5,000.00	\$ 5,000.00			N	\$ 10,000.00	\$50/hour for ED; Stakeholder participation as match at \$31.80/hour
	<b>Total</b>	\$ 12,500.00	\$ 10,000.00	\$ -			\$ 22,500.00	
<p><b>Capacity Building:</b> This task would include the time actually getting stakeholder involvement and creating the Plan, holding tours, etc.</p> <p><b>Education &amp; Outreach:</b> This includes activities to implement your program, volunteer coordination, holding events, etc.</p> <p>Please include anticipated deliverables and a detailed budget.</p>	<b>Implementation</b>							
	Jointly developing presentations for local boards	\$ 2,500.00					\$ 2,500.00	\$50/hour for ED
	Stipends for presentations from practitioners	\$ 2,500.00	\$ 1,500.00			Presenters	\$ 4,000.00	In-Kind time for participation from state agencies
	Stipends for participants to attend presentations	\$ 1,250.00					\$ 1,250.00	To support travel and contributions from professionals
	Facilitating small group meetings	\$ 2,500.00					\$ 2,500.00	\$50/hour for ED
	Grant writing and submission	\$ 2,500.00	\$ 1,500.00			y	\$ 4,000.00	BWP donor supported funds
<b>Total</b>	\$ 11,250.00	\$ 3,000.00	\$ -			\$ 14,250.00		
<p>This task includes costs for evaluating the success of your project or program. This may include surveys, community</p>	<b>Effectiveness Monitoring</b>							
	<b>Total</b>	\$ -	\$ -	\$ -			\$ -	
<p>Funding applied to Project Administration must not exceed 10% of the total amount of nonpoint funding requested, or \$3,000, whichever is lower. Project includes normal business expenses and reporting requirements.</p>	<b>Administration</b>							
	Mid/Annual/Interim Reports and Billing	\$ 500.00					\$ 500.00	\$50/hour for ED
	Draft/Final Report and Billing Statements	\$ 500.00					\$ 500.00	\$50/hour for ED
	Communication with DEQ	\$ 1,500.00					\$ 1,500.00	\$50/hour for ED
	<b>Total</b>	\$ 2,500.00	\$ -	\$ -			\$ 2,500.00	
<b>Grand Totals</b>		\$ 26,250.00	\$ 13,000.00	\$ -			\$ 39,250.00	

\*Funding Request - Must not exceed \$30,000

\*\*Non-Federal Match - Can include in-kind materials.

\*\*\*Other Funding -Use this space for funding that will be used to support creation of task deliverables, but will

\*\*\*\*Additional Information - Use to justify cost if needed. (Hourly rates, rental costs, etc.)