



**Cost-Share Proposal Form for NorthWestern Energy (NWE) Project 2188 TAC Funds**

Project 2188 (Madison-Missouri River) License Protection, Mitigation and Enhancement (PM&E) projects are required to offset impacts to river resources from the continued operation of one or more of NWE’s nine hydro developments (Hebgen, Madison, Hauser, Holter, Black Eagle, Rainbow, Cochrane, Ryan and Morony Dams). PM&E projects need to be prioritized toward in-river or on-the-ground measures that directly benefit fisheries and/or wildlife populations and their habitats:

**Priority 1:** 2188 License projects which meet License Article requirements and PM&E for fisheries or wildlife populations or their habitats within the main stem Madison River (Hebgen Reservoir to Three Forks) or Missouri River (Hauser Reservoir to Fort Peck Reservoir)

**Priority 2:** 2188 License projects which meet License Article requirements and PM&E for fisheries or wildlife populations or their habitats in primary tributaries or on adjacent lands and, in doing so, provide PM&E for Madison River (Hebgen Reservoir to Three Forks) or Missouri River (Hauser Reservoir to Fort Peck Reservoir) resources.

**Priority 3:** 2188 License PM&E projects which meet License Article requirements by providing scientific or other tangible PM&E benefits to Madison-Missouri River fisheries or wildlife populations or their habitats. These projects must be located in the greater Missouri River drainage upstream from Fort Peck Reservoir, but not necessarily located on the main stem Madison River or Missouri River or their adjacent lands or primary tributaries.

**All TAC project proposals must include the following information:**

Project Title: Grady Ranch Point of Diversion, Bridge Installation and Stream Restoration

Date:10/30/2023

Explain how this Project addresses a specific Project 2188 License Article(s): Article 416 address this project by “...coordinat[ing] with the Missouri River TAC to identify and implement tributary spawning enhancement projects.”

Provide justification for Priority 1, 2 or 3 (above) that you selected: Priority 2 project.

Project Sponsor (submitted by): Adam Strainer

Location of Proposed Project: Upper Little Prickly Pear Creek, upstream of Marsh Creek Rd., near Canyon Creek, MT (Attachment A).

Geocode (in decimal degrees ex 46.89743) (Bridge) Lat; 46.79172 Long: -112.39716  
 (POD) Lat; 46.79167 Long: -112.39682

Total Project Cost: \$35,660

TAC Funds (Cost-Share) Requested for Project: \$23,560

I. Introduction; brief statement of project to be completed with pertinent background information.

This project aims to secure an irrigation point of diversion, install a bridge and restore/realign/stabilize stream habitat in the immediate vicinity of the two projects. Stream modifications will include channel realignment and stream restoration near the bridge and to secure the location of the headgate. The work will include installing a new headgate at an

established POD, installation of a precast concrete block/treated wood bridge and restoration (e.g.; root wads, tree revetments, willow clumps, rock vanes, etc.) of approximately 300 feet of stream in the immediate vicinity of the POD location to address the stream approach to the bridge and highly erosive banks.

II. Objectives; explicit statement(s) of what is intended to be accomplished.

Reinstall an irrigation head gate and pipe, connect current irrigation ditch to new POD, install a precast concrete block (eco-block)/ treated wooden bridge and stabilize highly erosive portions of the stream and stream bank. Meeting these objectives will decrease sedimentation in this portion of the steam corridor and benefit the fishery moving forward.

III. Methods; description of how Project objectives will be accomplished.

A new head gate and pipe will be installed at the POD location (Attachment A). Excavation, hauling and labor will be completed by Stream Works Inc. Materials needed for the project (e.g. rock, etc.) will be provided in-kind by the landowner. Other specifics about the project (e.g. stream profile, cross section, etc.) can be found in the attachments B & C.

IV. Schedule; when the Project work will begin and end.

Spring to Fall 2024.

V. Personnel; who will do the work? Identify Project leader or principal investigator.

Adam Strainer (FWP Biologist) - Liaison between MFWP, Northwestern Energy, the landowner and the consultant.

Allen McNeal (McNeal Resources) – Project Lead, Consultant

Stream Works Inc. – Construction

Todd Grady (Landowner) – In kind materials and materials.

VI. Project budget must include amounts for the following:

<b>Bridge</b>						
<b>Transport</b>	Decking	10' decking	\$ 1,000	NWE	Request	
		Beams	20-26'	\$ 500	NWE	Request
		eco-blocks	lowboy	\$ 750	Grady	Expense
<b>Materials</b>		eco-blocks	10 blocks	\$ 1,000	Grady	Expense
		large rock	35 cu. Yds	\$ 2,100	Grady	In-Kind
		shale rock	30 cu. Yds	\$ 1,050	Grady	In-Kind
		Material transpor	2 days	\$ 1,600	NWE	Request
<b>Construction</b>		Material gathering	138 Excavator	\$ 2,600	NWE	Request
		labor	\$50/hr.	\$ 3,750	NWE	Request
		Material	headgate, etc.	\$ 500	NWE	Request
		Excavator	\$160/hr.	\$ 4,200	NWE	Request
<b>Mobilization</b>			\$ 1,200	NWE	Request	
	<b>Grady</b>	Out-of-pocket	\$1,750			
		In-Kind	\$3,150			
	<b>NWE Request</b>		\$15,350			

POD/Headgate					
<b>Materials</b>	18" screwgate w/ 45 ang.	10' decking	\$ 6,000	Grady	Expense
	4' & 20' CMP				
	Headwall Wood		\$ 2,000	NWE	Request
	large rock	20 cu. Yds	\$ 1,200	Grady	In-Kind
	transport rock	dumptruck	\$ 600	NWE	Request
	collect rock	excavator	\$ 960	NWE	Request
<b>Construction</b>	labor	\$75/hr	\$ 750	NWE	Request
	Excavator	\$160/hr.	\$ 3,900	NWE	Request
	<b>Grady</b>	Out-of-pocket	\$6,000		
		In-Kind	\$1,200		
	<b>NWE Request</b>		\$8,210		

**\*NorthWestern Energy TAC funds will not be used for agency overhead on projects that do not fund personnel. Applications for materials and equipment should not contain overhead.**

VII. Deliverables; describe work product (reports, habitat restoration, etc.) which will result from this Project. How will “success” for this project be monitored or demonstrated?

Deliverables will be properly functioning irrigation diversion and bridge structures on an important upper Missouri River tributary. MFWP will submit a report to Northwestern Energy documenting the project. Report will consist of a narrative description of activities accomplished and conditions before and after the project.

VIII. Cultural Resources. Cultural Resource Management (CRM) requirements for any activity related to this Project must be completed and documented to NWE as a condition of any TAC grant. TAC funds may not be used for any land-disturbing activity, or the modification, renovation, or removal of any buildings or structures until the CRM consultation process has been completed. Agency applicants must submit a copy of the proposed project to a designated Cultural Resource Specialist for their agency. Private parties or non-governmental organizations are encouraged to submit a copy of their proposed project to a CRM consultant they may have employed. Private parties and non-governmental organizations may also contact the NWE representative for further information or assistance. Applications submitted without this section completed, will be held by the TAC, without any action, until the information has been submitted.

Summarize here how you will complete requirements for Cultural Resource Management:

Cultural Resource Management requirements will be completed by Northwestern Energy prior to the start of ground disturbance.

IX. Water Rights. For projects that involve development, restoration or enhancement of wetlands, please describe how the project will comply with the Montana DNRC’s “Guidance for Landowners and Practitioners Engaged in Stream and Wetland Restoration Activities”, issued by the Water Resources Division on 9 March 2016.

Summarize here how you will comply with Montana water rights laws, policies and guidelines: No water right changes will occur during this project. This project secures access to the creek under the current water right.

Future projects in the vicinity of these projects are likely to be proposed in the future that may include irrigation efficiencies and/or water rights leasing.

In addition, Lewis and Clark County and FEMA have assured FWP the project area does not require a no rise floodplain analysis and a 310 permit and USACE 404 permit will be required before ground breaking activities occur.

All TAC Project proposals should be 7 pages or less and emailed (as a WORD file) to each of:

- [Andrew.Welch@NorthWestern.com](mailto:Andrew.Welch@NorthWestern.com)
- [Jon.Hanson@Northwestern.com](mailto:Jon.Hanson@Northwestern.com)
- [Grant.Grisak@Northwestern.com](mailto:Grant.Grisak@Northwestern.com)

Further questions about TAC proposals or Project 2188 license requirements or related issues may be addressed to:

**Andy Welch**

*Manager, Hydro License Compliance*

[Andrew.Welch@NorthWestern.com](mailto:Andrew.Welch@NorthWestern.com)

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