

2024 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: Middle Missouri River Fisheries Trammel Nets Purchase - 2024

Date: November 13, 2023

Explain how this Project addresses a specific Project 2188 License Article(s):

Article 417: 2) Protect and provide for the recovery of Threatened and Endangered species and other species of special concern in the Missouri River downstream of Morony Dam. This is a priority one (Missouri) and two (Marias).

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

These trammel nets will be used on the Missouri River from Carter Ferry to Fort Peck Reservoir (Priority 1) and in the lower Marias River (Priority 2) as part of the monitoring plan for this reach.

Project Sponsor (submitted by): Luke Holmquist

Location of Proposed Project: Missouri River between Morony Dam and Fort Peck Reservoir and the lower Marias River.

These trammel nets will be used on the Missouri River from Carter Ferry to Fort Peck Reservoir (Priority 1) and in the lower Marias River (Priority 2).

Geocode (in decimal degrees ex 46.89743)

Site: Morony Dam	Lat:47.58159	Lon: -111.05972
Site: Tiber Dam	Lat:47.58159	Lon: -111.09705
Site: Fort Peck Headwaters	Lat:47.55384	Lon: -107.92449

Total Project Cost: **\$4,271**

TAC Funds Requested for Project: **\$4,271**

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

Sampling with a trammel net is necessary to assess the populations of large deep-water fish species as required by the monitoring plan. Also, trammel net sampling is integral for evaluating the pallid sturgeon stocking program and for capture of fish for radio telemetry studies. We complete approximately 140 - 400 sets/year and 90-110 of those drifts are during summer and fall standardized sampling. Trammel nets are used to maximize pallid sturgeon collections and obtain shovelnose sturgeon information. River conditions are not always conducive to sampling (submerged logs, boulders, and other debris), and nets can be severely torn and even destroyed during standard sampling process thus some nets must be replaced each year. More nets have been used in recent years to maximize river field work time. This year we are requesting 10 new 1-inch mesh nets and 10 new 1-inch mesh nets. The 1-inch nets are to replace nets torn beyond repair during standardized sturgeon sampling in 2023.

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

These nets will be used to capture sturgeon and other large deep-water fishes as part of the standardized fall and summer netting as outlined in the monitoring plan.

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

IV. Schedule; when the Project work will begin and end. Purchase 10 nets for use during 2024 field season.

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

VI. Project budget must include amounts for the following:

Materials Only:	10 – 150 x 6 x 10 x 5”	@ \$410/net.....	\$4,100
		Shipping:	\$171
		Total:	\$4,271
Direct Labor	NA		
Travel and Living	NA		
Other Direct Expenses	NA		
Direct Overhead	NA – Purchase by NWE		
All contribution sources and amounts			

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? NA

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: No ground disturbance associated with this project.

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 9March2016.

Summarize here how you will comply with Montana water rights laws, policies and guidelines: No water rights associated with this project.

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

- Andrew.Welch@Northwestern.com
- Jon.Hanson@Northwestern.com
- Grant.Grisak@Northwestern.com

Further questions about TAC proposals or Project 2188 license requirements or related issues may be addressed to: Andy Welch, Leader Hydro License Compliance, NorthWestern Energy, 1315 N Last Chance Gulch, Helena, MT 59601; 406-444-8115 (office); 406-565-7549 (cell); Andrew.Welch@northwestern.com.



Quote #	6788
Date	10/16/2023

Quote

Customer Information

Northwestern
 Energy 11 E.
 Park St.
 Butte, MT 59701

Shipping Information

Northwestern
 Energy 11 E.
 Park St.
 Butte, MT
 59701

Rep:	AD
Ref:	

QTY	U/M	Product Description	Rate	Amount
10	ea	150' Long x 6' Deep Trammel Net - 3 Panel -Three Panels: Outer Panels 10" Sq. #9(8MD Folded), Inner Panel 1" Sq. #210/6 Multifilament(54 MD) -Top Rope: 3/8"(10lb Buoyancy/600') Foamcore Rope -Bottom Rope: 30lb(30lb Sink/600') Leadcore Rope -Breast Lines: 1/8" Solid Braid Nylon -Hung Using #9 Twine with tie intervals less than 12"	410.00	4,100.00T
1		FedEx Parcel Shipping	171.00	171.00T
		non	0.00%	0.00