LCCMR Member Compiled Evaluation #1 - RFP 2025 (FY26)

Sorted high to low by % members selecting, then by Proposal ID #, showing proposals provisionally selected for further funding consideration per April 29, 2024 LCCMR member agreement

Line #	OI lesodoud		Summary Provide approximately 18 matching grants for local	Category / Subcategory G. Land Acquisition,	Project Manager / Organization Jenni Bubke / MN	Amount Requested	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation	% of Members Selecting	Member Notes \$4 million	Provisionally Selected for Presentation
5	122	Natural Areas Grant Programs	parks, trails, acquisition of natural areas and trails to connect people safely to desirable community locations and regional or state facilities.	Habitat, and Recreation	DNR, State Parks and Trails Division	\$5,000,000	83		JP	14 out of 16	88		yes
6	2025- 046	Created Equal? Probably Not.	Given that walleye are vulnerable to climate change, we will investigate Minnesota walleye strain physiology and disease responses to warming water, and build a tool to guide adaptive management strategies.	A. Foundational Natural Resource Data and Information	Nicholas Phelps / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$298,000	90			14 out of 17	82		yes
7	2025- 049	Fish Habitat in	Identify lake-specific watershed protection targets and management practices needed to maintain coldwater fish habitat given warming temperatures and increasing extreme rain events, and integrate this information into conservation planning tools.	E. Air Quality, Climate Change, and Renewable Energy	Gretchen Hansen / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$587,000	90			14 out of 17	82	Walleye are a vital subsistence food for MN tribal nations. How does the project collaborate or engage with MN tribes?	yes
8	2025- 073		Pioneer PBS will produce 26 new episodes of a statewide television series designed to inspire Minnesotans to connect with the outdoors and to restore and protect our valuable natural resources.	C. Environmental Education	Cindy Dorn / Pioneer PBS	\$415,000	85			14 out of 17	82	Excellent programming	yes
9	2025- 087	Enhancing Degradation of Emerging Contaminants via Microbial Starvation	Our research will provide concrete data to inexpensively improve the design of wastewater systems to biodegrade mixtures of pharmaceuticals, pesticides, and other contaminants of emerging concern, protecting our water resources.	B. Water Resources	Paige Novak / U of MN, College of Science and Engineering	\$390,000	87			14 out of 17	82		yes
10	2025- 247	Monitoring Program	Collaborate with tribal and Non Government Organizations in advancing wild rice monitoring tools (aerial imagery and remote sensing) to improve statewide coverage maps, and conduct trend analysis of distribution.	A. Foundational Natural Resource Data and Information	Josh Knopik / MN DNR, Ecological and Water Resources Division	\$900,000	71			14 out of 17	82	What tribes are involved in this project?	yes
11	2025- 126	Problems to Real-	MAISRC will launch 20-24 high-priority projects aimed at solving Minnesota's AIS problems using a rigorous, prioritized, and collaborative process. Results will be delivered to end-users through strategic communication and outreach.	D. Aquatic and Terrestrial Invasive Species	Nicholas Phelps / U of MN, MAISRC	\$6,500,000	85			13 out of 17	76	\$5 million is sufficient How is MAISRC engaging with MN tribes currently?	yes
12	2025- 197		Scientific and Natural Area (SNA) strategic acquisition (~100 acres) will conserve Minnesota's most unique places and rare species for everyone's benefit.	G. Land Acquisition, Habitat, and Recreation	Judy Elbert / MN DNR, Ecological and Water Resources Division	\$1,200,000	94			13 out of 17	76		yes

Source: LCCMR 1 of 31 Agenda Item 07b 6/7/20

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13	2025-212	Classrooms and	DNR will provide educational, hands-on, outdoor experiences for diverse demographics; leading students and the public to conservation ethics and action through three programs: Bird by Bird, EPIC, and Community Science.	C. Environmental Education	Jessica Ruthenberg / MN DNR, Ecological and Water Resources Division	\$796,000	94			13 out of 17	76		yes
14	2025- 053	Minnesota's Densest Wolf Population	Deer are highly valued by Minnesotans, especially in the Northwoods. We'll assess causes of deer survival and habitat needs amidst high wolf density to inform the deer/wolf management debate.	A. Foundational Natural Resource Data and Information	Joseph Bump / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$809,000	89			12 out of 17	71		yes
15	2025- 065	Minnesota K-12 Students	Minnesota's five accredited outdoor schools will provide life-changing, immersive multi-day outdoor learning experiences at their campuses to a minimum statewide distribution of 20,000 K-12 students, achieving ENRTF's goals.	C. Environmental Education	Bryan Wood / Osprey Wilds Environmental Learning Center	\$5,200,000	71			12 out of 17	71	Proven performers	yes
16	2025- 160	Water Resource Management	Geologic atlases provide maps/databases essential for improved management of ground and surface water. This proposal will complete current projects and start new projects to equal about 4 complete atlases.	A. Foundational Natural Resource Data and Information	Barbara Lusardi / U of MN, MN Geological Survey	\$1,260,000	85			12 out of 17	71		yes
17	2025- 196	Cattail Treatment Effectiveness in Prairie Wetlands	We propose research to compare effectiveness of several invasive cattail treatment methods. Outcomes will include practical recommendations for managers to maximize benefits of conservation dollars for native plants and wildlife.	D. Aquatic and Terrestrial Invasive Species	Megan Fitzpatrick / MN DNR, Fish and Wildlife Division	\$1,006,000	94	'-The proposal is research and appears to be a MAISRC priority. Does the commission want to direct the applicant to apply to MAISRC instead?		12 out of 17	71	Direct to MAISRC	yes
18	2025- 280	Future Lake Water	Use decade-long comprehensive real-world data to understand lake-specific drivers of water quality and high-resolution climate models to project the effects of future warming on HABs across Minnesota	A. Foundational Natural Resource Data and Information	Leif Olmanson / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$595,000	78			12 out of 17	71	Needs wider distribution of data, ie. parks etc	yes
19	2025- 309	Fecundity of Minnesota Moose	Through a co-stewardship research project, state and tribal biologists will work collaboratively to estimate survival and fecundity of yearling and 2-year-old moose in northeast Minnesota to inform future management efforts.	A. Foundational Natural Resource Data and Information	Michelle Carstensen / MN DNR, Fish and Wildlife Division	\$2,439,000	80		SM	11 out of 16	69		yes
20	2025- 007	PlantWatch: Community Scientists Conserving Rare Plants	Grow MN PlantWatch to better enhance the conservation of Minnesota's natural resources by supporting community scientist-driven rare plant surveys and seed banking and investing Minnesotans in preserving their natural heritage.	F. Methods to Protect or Restore Land, Water, and Habitat	David Remucal / U of MN, Landscape Arboretum	\$1,086,000	96			11 out of 17	65		yes

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Line #	Proposal ID	Project Title	Summary	Category / Subcategory	Project Manager / Organization	Amount Requested	Staff Score	Staff Comments	# Members Selecting for Presentation	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
21	2025- 059	Northern Lakes	We will uncover drivers beyond watershed nutrient inputs that contribute to the formation of nuisance and toxic algal blooms in relatively pristine and protected lakes across Minnesota.	B. Water Resources	Lienne Sethna / Science Museum of Minnesota, St. Croix Watershed Research Station	\$1,362,000	72		11 out of 17	65		yes
22	2025- 103	Maajii-akii- gikenjigewin Conservation Crew Program	The Maajii-akii-gikenjigewin Conservation Crew Program, developed in partnership with the Fond du Lac Band of Lake Superior Chippewa, provides environmental education and workforce development opportunities for Indigenous young adults.	C. Environmental Education	Brian Miller / Conservation Corps Minnesota	\$712,000	75		11 out of 17	65		yes
23	2025- 110	Predicting Contaminant Movement in Minnesota's Fractured Aquifers	program that predicts the fate and movement of contaminants such as PFAS, chloride, nitrate, and pathogens in Minnesota's fractured aquifers.	B. Water Resources	Peter Kang / U of MN, St. Anthony Falls Laboratory	\$650,000	88		11 out of 17	65	This year I have been more inclined to look to 3M and their NGO arms to fund PFAS.	yes
24	2025- 149	ESTEP 2.0: Earth Science Teacher Education Project	The Earth Science Teacher Education Project (ESTEP) will provide statewide professional development for Minnesota science teachers in Environmental and Earth Science content and pedagogy to strengthen environmental education in schools.	C. Environmental Education	Lee Schmitt / Minnesota Science Teachers Association	\$643,000	75		11 out of 17	65		yes
25	2025- 152	Phytoremediation of PFAS from Soil	This collaborative project will use interdisciplinary research at the interface of biology, nanotechnology, chemistry, and genetic engineering to remediate soils contaminated with PFAS.	F. Methods to Protect or Restore Land, Water, and Habitat	Michael Smanski / U of MN, College of Science and Engineering	\$1,066,000	86		11 out of 17	65	This year I have been more inclined to look to 3M and their NGO arms to fund PFAS.	yes
	2025- 254	Family Environmental	The Raptor Center proposes to provide holistic student and community engagement in environmental education, inspiring and activating both youth in underresourced schools and their families through community events.	H. Small Projects Sub: C. Environmental Education	Victoria Hall / U of MN, Raptor Center	\$228,000	82		11 out of 17	65	This would be my 73	yes
	2025- 016	Advancing Equity in Environmental Education	Scholarships will provide inclusive Environmental Education for 7,900 Minnesota youth, addressing gaps in both classroom and outdoor learning. Aligned with state standards, the project supports ENRTF goals for equitable access.	C. Environmental Education	Sara Lemke / Camp Fire Minnesota	\$700,000	71		10 out of 17	59	Need to eliminate funding of scholarships. This is a mechanism to potentially circumvent budget rules. Respondents should rather submit a budget for actual costs and then offer the program free of charge.	yes
	2025- 025	Restoration and Outreach for Minnesota's Native Mussels	We will improve the conservation of native mussels by rearing and releasing imperiled species, monitoring restored populations, and inspiring public action, thereby improving the health of aquatic ecosystems in Minnesota.	B. Water Resources	Kathryn Holcomb / MN DNR, Ecological and Water Resources Division	\$1,546,000	93		10 out of 17	59		yes

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Line #	2025- 030		Summary UMLA will reconstruct a degraded 8.5-acre pasture to serve as a model for climate-resilient pollinator habitat,	Category / Subcategory H. Small Projects Sub: F. Methods to	Project Manager / Organization Brandon Miller / U of MN, Landscape	Amount Requested	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
29	030	Conservation and	incorporating community engagement and species monitoring for continued educational opportunities.	Protect or Restore Land, Water, and Habitat	Arboretum	\$250,000	72			10 out of 17	59		yes
30	2025- 034		Creating Future Outdoor & Environmental Leaders is a collaboration between K-12, higher education & outdoor organizations to increase environmental education, leadership, internship and career opportunities for underrepresented college and high school students.	C. Environmental Education	Ana Munro / North Hennepin Community College, Global and Cultural Studies Department	\$345,000	72			10 out of 17	59		yes
31	2025- 077	to Nonpoint Source Pollution	This project will result in long-term reduction of nonpoint source pollution in Minnesota's water resources by identifying opportunities to increase targeted street sweeping practices and removing barriers to implementation.	B. Water Resources	Maggie Karschnia / U of MN, Water Resources Center	\$398,000	92			10 out of 17	59		yes
32	2025- 080	Past and Present Airborne PFAS	Pine needles are great passive air samplers because their waxy outer layer attracts airborne pollutants. Pine needles will be used to assess airborne PFAS in current and historic pine needles.	E. Air Quality, Climate Change, and Renewable Energy	Summer Streets / Minnesota Pollution Control Agency	\$574,000	90			10 out of 17	59	This year I have been more inclined to look to 3M and their NGO arms to fund PFAS.	yes
33	2025- 093	Conservation	We will help to restore imperiled wood turtles by leveraging our strengths in animal care, veterinary sciences, and field conservation, to bolster populations and inform conservation actions.	H. Small Projects Sub: A. Foundational Natural Resource Data and Information	Tricia Markle / Minnesota Zoological Garden	\$242,000	83			10 out of 17	59		yes
34	2025- 097	Migration of Bur Oak- 10yr Data	Collect the 8-10yr data on growth and survival, of three bur oak ecotypes previously planted in four restoration sites under ML2015 "Enhancing Restoration Techniques for Improved Climate Resilience". Disseminate results.	H. Small Projects Sub: F. Methods to Protect or Restore Land, Water, and Habitat	Wiley Buck / Great River Greening	\$223,000	88			10 out of 17	59		yes
35	2025- 116	and Trailhead Renewal	The Superior Hiking Trail seeks to renew bridges, boardwalk and trailheads to increase user safety, improve the user experience, and protect adjacent land and water.	F. Methods to Protect or Restore Land, Water, and Habitat	Lisa Luokkala / Superior Hiking Trail Association	\$532,000	78			10 out of 17	59	Needed improvements to valuable state resource!	yes
36	2025- 118	Shoreline Stabilization and Fishing	The project will improve water quality and shoreline fishing access through the stabilization of the Mississippi River Corridor Critical Shoreline Area within Mississippi Gateway Regional Park, Brooklyn Park.	F. Methods to Protect or Restore Land, Water, and Habitat	Brian Vlach / Three Rivers Park District	\$735,000	89			10 out of 17	59		yes

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37	2025- 143	for Sustainability and Climate Education	The Roadmap for Sustainability and Climate Education will mobilize stakeholders and align Minnesota's education sector to the state's goals for equitable and accessible sustainability and climate education.	C. Environmental Education	Lindsey Kirkland / Climate Generation	\$491,000	80			10 out of 17	59		yes
38	2025- 178	Datasets for Native Rough Fish	To support future conservation and research efforts and enhance knowledge of Minnesota's native rough fish, we propose species distribution models to predict their presence and abundance across Minnesota streams.	H. Small Projects Sub: A. Foundational Natural Resource Data and Information	Grant Vagle / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$250,000	81			10 out of 17	59		yes
39	2025- 211	Reduction through Industrial Source	Project seeks to reduce chloride effluent in communities with high chloride concentrations by providing technical assistance to identify cost-effective ways to reduce industrial/commercial chloride use.	H. Small Projects Sub: B. Water Resources	Kelsey Klucas / U of MN, School of Public Health	\$247,000	91			10 out of 17	59		yes
40	2025- 260	Native Rough Fish:	This study will directly address priority native rough fish knowledge gaps regarding population dynamics and ecology as identified by MNDNR, and directed by the MN legislature.	A. Foundational Natural Resource Data and Information	Solomon David / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$593,000	83			10 out of 17	59		yes
41	2025- 312	Municipal Yard Waste and Compost	The project will assess trace metal contamination of compost feedstocks (residential yard waste) and finished compost at municipal yard waste recycling programs in the Twin Cities metro area.	H. Small Projects Sub: A. Foundational Natural Resource Data and Information	Lucy Rose / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$120,000	83			10 out of 17	59		yes
42	2025- 009	Study - Phase 1	Deer are important to the FDL Band and elk reestablishment could alter deer population dynamics. Baseline data will better inform future deer management by the RMD and Minnesota DNR.	A. Foundational Natural Resource Data and Information	Jacob Haus / Minnesota State Colleges and Universities, Bemidji State University	\$1,441,000	71			9 out of 17	53	MDA study alredy funded by legislature this year. Timely project, collaborating with Fon Du Lac Band of Chippewa.	yes
43	2025- 010	Resources-Rural Health and Drinking	Arsenic in Southern Minnesota drinking water: Linking health risk reduction (education) with well water testing, geology, and arsenic health risks to private well owners through family medicine and hydrology	B. Water Resources	Jeffrey Broberg / Freshwater Society	\$1,062,000	74			9 out of 17	53	how will agencies be involved, especially information sharing on well water data?	yes
44	2025- 092	Secretive Marsh Birds	Audubon will conduct a statewide secretive marsh bird survey to provide state and federal agencies with an assessment of marsh bird population status and useful information on wetland habitat health.	A. Foundational Natural Resource Data and Information	Dale Gentry / Audubon Minnesota	\$443,000	70			9 out of 17	53		yes

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Line #	Proposal ID	Project Title	Summary	Category / Subcategory	Project Manager / Organization	Amount Requested	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
45	2025- 115	Information on Minnesota's Tick	This project will update information on the biodiversity and distribution of ticks in Minnesota, and create a publicly accessible GIS dashboard integrating these data with citizen science-sourced tick records.	H. Small Projects Sub: A. Foundational Natural Resource Data and Information	Benjamin Cull / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$186,000	82			9 out of 17	53		yes
46	2025- 151	Carnivore Conflicts in Human-Dominated	We will evaluate bear, bobcat, and coyote habitat use, activity, and diet in Duluth and surrounding areas to map hotspots for human-carnivore conflicts and fill knowledge gaps to reduce conflicts.	A. Foundational Natural Resource Data and Information	Michael Joyce / U of MN, Duluth - NRRI	\$629,000	75			9 out of 17	53		yes
47	2025- 188	Health and Disease Monitoring in Minnesota Wildlife	The project will enhance a. knowledge of wildlife health and disease and b. diagnostic capacity by significantly increasing the number of postmortem examinations of free-ranging animals and training wildlife pathologists.	A. Foundational Natural Resource Data and Information	Arno Wuenschmann / U of MN, Minnesota Veterinary Diagnostic Laboratory	\$842,000	60			9 out of 17	53	Highly productive group leading this important project. How will the project collabnorate with MN tribes? Will avian flu be tracked in this project?	yes
48	2025- 198	Conservation and	COPAL will utilize community-based partnerships and communications platforms to host outdoor events educating 15,550 Latine and BIPOC participants about the need to protect Minnesota's air, water, and natural resources.	C. Environmental Education	Carolina Ortiz / Comunidades Organizando el Poder y la Accion Latina	\$400,000	64			9 out of 17	53		yes
49	2025- 222	Application of Minnesota's Wetland	We will use recurring aerial photographs, collected 2006 to present, to produce new information and tools that enhance statewide grassland and wetland monitoring.	A. Foundational Natural Resource Data and Information	Amy Kendig / MN DNR, Ecological and Water Resources Division	\$318,000	83			9 out of 17	53		yes
50	2025- 228	Protection and Parks Improvements	Integrate Minnesota Riverbank Protection with Huber Park and Historic Marina improvements to protect cultural resources, river corridor fish and wildlife habitat, public infrastructure, and encourage river access for parks users.	F. Methods to Protect or Restore Land, Water, and Habitat	Alex Jordan / City of Shakopee	\$1,400,000	72			9 out of 17	53		yes
51	2025- 257	Hybrid Membranes for CO2 Separation	To capture CO2, we will develop advanced polymeric membranes infused with metal-organic framework nanoparticles. These membranes facilitate the passage and collection of CO2 while blocking the permeation of other gases.	E. Air Quality, Climate Change, and Renewable Energy	Jun Li / U of MN, College of Science and Engineering	\$1,150,000	82			9 out of 17	53		yes
52	2025- 258	Biofilm Mediated Destruction of PFAS in	Microbes control the attenuation and destruction of environmental contaminants. Biofilms form structures to facilitate biodegradation of contaminated groundwater. We design, develop, and grow biofilms capable of destroying PFAS.	B. Water Resources	Keith Rapp / Bay West LLC	\$1,699,000	82			9 out of 17	53	This year I have been more inclined to look to 3M and their NGO arms to fund PFAS.	yes

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53	2025- 066	Resources Protection, Hennepin County	We will implement a vision to protect, connect, and manage natural systems through a collaboratively sourced interactive mapping mechanism, centralized clearinghouse for data and best practices, and strategic training program.	H. Small Projects Sub: F. Methods to Protect or Restore Land, Water, and Habitat	Kristine Maurer / Hennepin County	\$250,000	96			8 out of 17	47		yes
54	2025- 070	Museum of Minnesota's Mollusk	This project will make the Minnesota mollusk specimens in our collection available for research and education by organizing all relevant specimens and digitizing their data.	A. Foundational Natural Resource Data and Information	Catherine Early / Science Museum of Minnesota	\$399,000	75			8 out of 17	47	Project will help to document Minnesota biodiversity.	yes
55	2025- 112	of Microplastics in Urban Ecosystems	Researching how land use drives differences in the suites of microplastics and associated contaminants of concern found in ponds and the subsequent transfer of those pollutants into wildlife.	B. Water Resources	Lea Pollack / U of MN, College of Biological Sciences	\$300,000	79			8 out of 17	47	This would be my 74	yes
56	2025- 127	Indicator of Wetland- Dependent Species	Green Herons have declined across much of their range. Information on their annual cycle habitat use and migratory movements is needed to understand and address conservation concerns for wetland-dependent birds.	A. Foundational Natural Resource Data and Information	Elena West / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$440,000	69			8 out of 17	47		yes
57	2025- 173	Land for Recreational Purposes	Construct a 400-ft long, 5-ft wide boardwalk over undevelopable city land giving walkers and hikers access to a boggy wildlife habitat while maintaining drainage considerations for low areas	H. Small Projects Sub: G. Land Acquisition, Habitat, and Recreation	Val Martin / City of Battle Lake	\$148,000	41			8 out of 17	47		yes
58	2025- 215	Tracking of Forestry Fragmentation and	To support forest management, the project provides interactive real-time business-ready information about forest fragmentation and degradation due to human activities and natural disasters by merging aircraft and satellite LiDAR data.	A. Foundational Natural Resource Data and Information	Rui Cheng / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$346,000	75			8 out of 17	47		yes
59	2025- 217	While Monitoring Pollinators and Nesting Habitats	We will pioneer low-mortality methods for tracking bee populations and nesting materials, partnering with community science. Empowering Minnesotans to protect bees will help conserve these vital pollinators for future generations.	A. Foundational Natural Resource Data and Information	Colleen Satyshur / U of MN, College of Biological Sciences	\$667,000	72			8 out of 17	47		yes
60	2025-239	Minnesota Public Grasslands	Evaluate prescribed fire, brush mowing and targeted conservation grazing to develop ready-to-use management strategies for public lands managers to mitigate woody species encroachment in public grasslands.	A. Foundational Natural Resource Data and Information	Eric Mousel / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$390,000	55			8 out of 17	47		yes

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61	2025- 268	•	Enhance outdoor recreation and education opportunities that promote conservation of raptors and preservation of natural resources through development of an accessible trail and removal of invasive species at Hawk Ridge.	H. Small Projects Sub: G. Land Acquisition, Habitat, and Recreation	Katie Bennett / City of Duluth	\$155,000	79			8 out of 17	47		yes
62	2025- 275 2025-	Nitrate Detector for Well Water	We propose to develop a tiny, cheap and easy-to-use detector for arsenic and nitrate. It can be used for well water to determine if the water is safe to drink. We aim to develop a method of recovering useful salts	B. Water Resources B. Water Resources	Tianhong Cui / U of MN, College of Science and Engineering Natasha Wright /	\$358,000	80			8 out of 17	47		yes
63	278	Highly Saline	from concentrated saline waste, increasing the economic sustainability of high water-recovery softening, sulfate removal, and industrial wastewater treatment.		U of MN, College of Science and Engineering	\$272,000	84			8 out of 17	47		yes
64	2025- 055		The project includes rehabilitating the historic Waterford Bridge for the Mill Towns State Trail, protecting and restoring land for habitat and improving recreational access to the Cannon River.	G. Land Acquisition, Habitat, and Recreation	Lisa West / Dakota County	\$3,032,000	78			7 out of 17	41	What are the rules on capital match sources. Proposer is using state funds from a previously completed phase as match. This should not qualify as it would be unprecedented and precedent setting.	yes
65	2025- 063	Anticoagulant	We will determine anticoagulant rodenticide exposure rates and concentrations in bobcats and fishers, evaluate factors influencing exposure risk, and evaluate negative effects of rodenticide exposure on carnivore health.	H. Small Projects Sub: A. Foundational Natural Resource Data and Information	Michael Joyce / U of MN, Duluth - NRRI	\$247,000	67			7 out of 17	41		yes
66	2025- 075	Objectives in Long- Term Forest	Strategic forest planning helps identify how and when management activities should be scheduled. We integrate wildlife objectives with timber production into the forest planning process to create more sustainable forests	A. Foundational Natural Resource Data and Information	Irene De Pellegrin Llorente / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$328,000	69			7 out of 17	41	Does this proposal include private landowners and will it be preserved	yes
67	2025- 084	Minnesota Lakes: The Role of Sunlight	The degradation of cyanobacterial toxins by sunlight will be quantified to understand how increasing frequency of cyanobacterial (harmful algal) blooms and changing environmental conditions influence toxin persistence in natural waters.	H. Small Projects Sub: B. Water Resources	William Arnold / U of MN, College of Science and Engineering	\$220,000	75			7 out of 17	41		yes
68	2025- 108	_	Installation of 200 additional Self-Service AIS Cleaning Station Signs & Tools at Cass County public and private water accesses. Twenty-seven percent (27%) increase in watercraft cleaning when AIS tools are present.	H. Small Projects Sub: D. Aquatic and Terrestrial Invasive Species	Nick Bluhm / Association of Cass County Lakes (ACCL)	\$38,000	90	The proposal does not include research, and therefore is not eligible for MAISRC funding.		7 out of 17	41	More, we need this everywhere.	yes

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69	2025- 120	Youth Education and Engagement	To offer curriculum-based opportunities for students to learn about reuse and engage in hands-on activities to cultivate excitement for adopting reuse behaviors into their lives, now and in the future.	H. Small Projects Sub: C. Environmental Education	Emily Barker / Reuse Minnesota	\$225,000	84			7 out of 17	41	I have a hard time seeing this as exciting, I should learn more.	yes
70	2025-	Minnesota's Natural Resources with CT- Scanning	This project will provide a new and innovative way to obtain and disseminate internal morphology data from the Bell Museum's organismal collections.	A. Foundational Natural Resource Data and Information	Kassandra Ford / U of MN, Bell Museum of Natural History	\$1,062,000	78			7 out of 17	41		yes
71	2025- 134	Mississippi Summer	Phyllis Wheatley Community Center (PWCC) will provide environmental education to Minneapolis youth through Camp Parsons Mississippi Summer, a program that fosters connections to nature and encourages responsible stewardship.	H. Small Projects Sub: C. Environmental Education	Katy Nelson / Phyllis Wheatley Community Center	\$225,000	80			7 out of 17	41		yes
72	2025- 144	Century Challenges for	A St. Croix River watershed model will be developed to identify potential hydrologic and water quality impacts to the Lower St. Croix River over the next 75 years.	H. Small Projects Sub: B. Water Resources	Jason Ulrich / Science Museum of Minnesota, St. Croix Watershed Research Station	\$243,000	85			7 out of 17	41		yes
73	2025- 150	Conservation Practices	Evaluate the effects of wetlands and riparian buffers on stream and river biodiversity and biological condition statewide, to inform stream management decisions.	B. Water Resources	Christine Dolph / U of MN, College of Biological Sciences	\$300,000	67			7 out of 17	41		yes
74	2025- 181	Nutrient Removal	This project will apply our novel highly efficient nutrient removal technology for the treatment of agricultural drainage in the field.	B. Water Resources	Satoshi Ishii / U of MN, College of Biological Sciences	\$460,000	83			7 out of 17	41	I prefer source reduction and timing/precision management	yes
75	2025- 193	Microbiomes for Cleaner Water	We will characterize and identify important microbes of the prairie microbiome that provide fixed-nitrogen through natural processes, and apply these to replace industrial fertilizers and prevent water contamination from nitrates.	B. Water Resources	Brett Barney / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$508,000	76			7 out of 17	41		yes
76	2025- 232	Tipi/BVNS	Restoration and management of Wakan Tipi (aka Bruce Vento Nature Sanctuary), including invasive species removal, disposal and management, prescription burns, site monitoring and data collection, and native seeding & plantings.	F. Methods to Protect or Restore Land, Water, and Habitat	Gabriele Menomin / Lower Phalen Creek Project	\$676,000	72			7 out of 17	41		yes
77	2025- 265	Microplastics on Wastewater Treatment in	Research will focus on the fate of microplastics in wastewater treatment plants in Minnesota with emphasis on the impacts of weathered plastics on biological nutrient and contaminant removal processes.	B. Water Resources	Sebastian Behrens / U of MN, College of Science and Engineering		65			7 out of 17	41	This one is interesting and wish I could add it to the list. Fate and transport of polyester and other synthetic fibers is poorly understood.	yes

Source: LCCMR 9 of 31 6/7/2024

# Fine	2025- 2025-			Category / Subcategory F. Methods to Protect or Restore Land, Water, and	Project Manager / Organization Brian Aukema / U of MN, College of Food, Agricultural	Amount Requested \$334,000	Staff Score	Staff Comments This is a native species and therefore NOT eligible for funding through MITPPC.	# Members Selecting for Presentation	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
	2025- 304	Superior Shores: Protecting Our Great Lakes Coastal Habitats	management techniques to protect and preserve trees. The "Superior Shores" project aims to map, monitor, and conserve Lake Superior's rock pools, enhancing our North Shore's ecosystem health through scientific research, public engagement, and targeted conservation strategies.	A. Foundational Natural Resource Data and Information	and Natural Resource Sciences Hailey Sauer / Science Museum of Minnesota, St. Croix Watershed Research Station	\$675,000		A portion of Activity 3 / Milestone 1 appears to create new curriculum. The RFP states new curriculum, except to allow new modules within existing curriculum or updating curriculum to reflect current state of knowledge and art, will not be considered under Category C. Does that apply to Category A as well?	7 out of 17	41	staff brings up an interesting point	yes
	2025- 311	Fighting Insect Decline: Minnesota Bumblebees to the Rescue	We propose to use Minnesota native bumblebees as model organisms to gauge the effects of human activity on the states' ecosystems and understand the drivers of the global insect decline.	H. Small Projects Sub: A. Foundational Natural Resource Data and Information	Cristian Beza Beza / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$249,000	76		7 out of 17	41		yes
81	2025- 319	Chaska Big Woods Property Acquisition	The City of Chaska wishes to acquire property that contains remnant Big Woods for the preservation of its natural resources, including mature stands of trees and wetlands, in perpetuity.	G. Land Acquisition, Habitat, and Recreation	Ashley Cauley / City of Chaska	\$557,000	75		7 out of 17	41		yes
	2025-323	Emerging Issue: CWD Prions in Minnesota Waters	Chronic Wasting Disease (CWD) environmental detection is combined with watershed knowledge to predict and evaluate how far and how fast CWD might move through watersheds and serve as a source	A. Foundational Natural Resource Data and Information	Diana Karwan / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$486,000	70		7 out of 17	41	Fund through emerging issues to move it more quickly. I would like to see more in this space originating from the center. We seem to be moving slowly on assessing zoonotic disease and ecological fate of prions. Are water-borne prions infective at the levels detected in the environment? IS CWD infectiveness dose dependant? Presence of prions is not an indicator of infective risk.	yes
	2025- 182		Objectives of the project are to enhance the park's water access and ADA accessibility while creating new amenities that are more user-friendly and accessible to individuals and families.	G. Land Acquisition, Habitat, and Recreation	Karlin Ziegler / Olmsted County	\$2,500,000	54	s	L 6 out of 16	38		yes

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Line #	Proposal ID	Project Title	Summary	Category / Subcategory	Project Manager / Organization	Amount Requested	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
84	2025- 019	Teacher Field School - Phase 2: Increasing Impact	Building on our successful LCCMR-funded, immersive, research-backed Teacher Field School, we expand the network of nature-based educators and pilot a trainthe-trainer model to increase student learning and stewardship habits.	C. Environmental Education	Patty Born / Hamline University	\$760,000	70			6 out of 17	35		yes
85	2025- 107	Management for Water Storage	We will create guidance for watershed managers using in-field and near-riparian soil health practices to reduce streamflow. We will complete essential research and modeling connecting soil management to watershed impacts.		Marcelle Lewandowski / U of MN, Water Resources Center	\$500,000	65			6 out of 17	35		yes
86	2025- 111	Maximize Impact of ENRTF Projects	We will create a centralized database of movement data from LCCMR-funded studies and develop tools for visualizing movement of species through their environments with biologists working to conserve Minnesota wildlife.	H. Small Projects Sub: A. Foundational Natural Resource Data and Information	John Fieberg / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$216,000	50			6 out of 17	35		yes
87	2025- 113	Expanding the Statewide Motus Wildlife Tracking Network	We will expand the statewide Motus wildlife tracking system network to fill in critical gaps, guiding the conservation of imperiled grassland and boreal migratory birds, their habitats, and other wildlife.	H. Small Projects Sub: A. Foundational Natural Resource Data and Information	Mary Mallinger / Minnesota Zoological Garden	\$234,000	71			6 out of 17	35		yes
88	2025- 114	Stabilization Project	Retaining wall construction along the maintenance trail at Richard T. Anderson Conservation Area (RTA) to mitigate ongoing erosion, to restore adjacent remnant prairie, and protect native habitat & plant communities.	G. Land Acquisition, Habitat, and Recreation	Karli Wittner / City of Eden Prairie, Parks and Natural Resources Department	\$500,000	65			6 out of 17	35		yes
89	2025- 219	Forest Health via Post-	Study forest-bed duff-fire effects on soil, earthworms, nutrient cycles, tree regeneration seedbed characteristics, root systems, invasive shrub spread (buckthorn, honeysuckle), and hydrophobicity, to improve fire management for resilient ecosystems.	F. Methods to Protect or Restore Land, Water, and Habitat	Sayan Biswas / U of MN, College of Science and Engineering	\$700,000	75			6 out of 17	35		yes
90	2025- 233	Framework for Managing Water	This project will develop a pilot water budget framework to identify sensitive areas in Minnesota where net water withdrawals have a significant impact on surface and ground water.	H. Small Projects Sub: B. Water Resources	John Nieber / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$198,000	85			6 out of 17	35	I would select this as 72.	yes
91	2025- 236	and Outdoor Recreation Center	Reconstruct the Thom Storm Chalet and Outdoor Recreation Center to expand high-quality outdoor recreation and environmental education opportunities to preserve and protect the unique natural resources of Chester Park.	G. Land Acquisition, Habitat, and Recreation	Katie Bennett / City of Duluth	\$2,850,000	84			6 out of 17	35		yes

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Line #	Proposal ID	Project Title Promoting Pollinators	Summary We will use experimental "bee lawn" installations on	Category / Subcategory F. Methods to	Project Manager / Organization Adam Kay /	Amount Requested	Staff Score	Staff Comments	# Members Selecting for	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
92	266	on Corporate Campuses	corporate campuses, combined with landscape modeling and employee surveys, to determine potential ecological, economic, and societal benefits of widespread lawn habitat transformation	Protect or Restore Land, Water, and Habitat	University of St. Thomas	\$591,000	70		6 out of 17	35		yes
93	293	Echo Bay County Park - Phase 1 Construction	Construction of access roads, access trails, parking and bathroom facilities within the County's recently acquired 165-acre, Echo Bay County Park.	G. Land Acquisition, Habitat, and Recreation	Kevin Fellbaum / Otter Tail County	\$1,250,000	70		6 out of 17	35	can project be done without bathrooms and paved parking lot?	yes
94	2025- 301	Science Centers Supporting Northern Boys and Girls Clubs	This proposal will expand access to environmental science education in Northern Minnesota by leveraging partnerships between rural and urban organizations to deliver culturally relevant, hands-on learning experiences to underserved students.	C. Environmental Education	Lee Furuseth / Headwaters Science Center	\$1,091,000	53		6 out of 17	35	How will this project be working with MN tribes?	yes
95	2025- 317	Developing Markets for CLC Crops	Grants to organizations in Minnesota to develop enterprises, supply chains, and markets for continuous living cover crops and cropping systems in the early stage of commercial development.	F. Methods to Protect or Restore Land, Water, and Habitat	Margaret Wagner / Minnesota Department of Agriculture	\$500,000	75		6 out of 17	35		yes
96				•		•		17 members- 91 proposals: \$75,944,000 000 amount available))			
97	2025- 054	Public in Environmental	on restoration activities, we will engage Minnesota's diverse population in community-based conservation work and learning that strengthens connection to and restores our natural areas.	H. Small Projects Sub: C. Environmental Education	Brennan Blue / Great River Greening	\$249,000	80	-Project appears to include restoration, however proposer did not indicate this on the General Info page so proposal is missing information required for restoration projects. Before making a recommendation, commission may want to confirm restoration is on permanently protected land or agree to provide a waiver to this standard LCCMR requirement.	5 out of 17	29		
98	2025- 064	Training Lake Communities to Track Chloride and Algae	Minnesota Sea Grant and partners will coordinate a network of community-based volunteers to track chloride and harmful algal blooms in lakes to understand these emerging environmental and public health problems.	B. Water Resources	Hilarie Sorensen / U of MN, Duluth - Sea Grant	\$276,000	69		5 out of 17	29		

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Line #	Proposal ID	Project Title	Summary	Category / Subcategory	Project Manager / Organization	Amount Requested	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
99	2025- 088		This project will pilot test a novel water treatment system to reduce chlorides and sulfates to acceptable discharge limits using a low-energy technology that includes modified reverse osmosis.	B. Water Resources	Susan Danzl / City of Detroit Lakes	\$750,000	26	-Given the size and permanence of this pilot and testing, would members consider the proposed project consistent with M.S. 116P.08 (2) that prohibits ENRTF spending for purposes of municipal water pollution control in municipalities with a population of 5,000 or more under the authority of chapters 115 and 116?		5 out of 17	29	not appropriate	
100	2025- 089	PFAS Remediation: Integration and	Develop and validate a commercially viable 50 gph upwardly scalable liquid-phase plasma reactor system to eradicate PFAS from drinking water from common sources resulting in CaF2 and H2O.	B. Water Resources	Tom Slunecka / Plasma Blue, LLC	\$1,032,000	55			5 out of 17	29	This year I have been more inclined to look to 3M and their NGO arms to fund PFAS.	
101	2025-123	Hunter Participation:	This project creates a comprehensive picture of the offal community from scavengers and disease to hunters themselves, through hunter participation and experiments.	A. Foundational Natural Resource Data and Information	Ellen Candler / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$563,000	65			5 out of 17	29		
102	2025- 135	Education for	Baztec Fishing & Outdoors is committed to creating fishing and hunting opportunities for underserved and underrepresented communities in the great state of Minnesota.	H. Small Projects Sub: C. Environmental Education	Ray Ruiz / Baztec Fishing & Outdoors	\$247,000	62	-Uncertain if state funds can be used for purchase of firearms, ammunition, and crossbows. LCCMR staff is checking with house/ senate research		5 out of 17	29		
103	2025- 136	Terminating PFAS- Type Pesticides via Enzyme Cocktails	This project will examine selected enzymes and cocktails for biodegradation of pesticide-type PFAS, and will design a biofilter for effective elimination of pesticide PFAS from water samples collected near farmlands.	B. Water Resources	Hua Zhao / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$301,000	68			5 out of 17	29	This year I have been more inclined to look to 3M and their NGO arms to fund PFAS.	
104	2025- 154	from Minnesota Waters	We will test and refine a biotechnology approach to removing mercury from the food chain in Minnesota's lakes and rivers. If successful, this will make fish consumption in Minnesota safer.	H. Small Projects Sub: F. Methods to Protect or Restore Land, Water, and Habitat	Michael Smanski / U of MN, College of Biological Sciences	\$247,000	65			5 out of 17	29		
105		Mississippi River Gorge	A reduced-scale physical model of Mississippi River Pool 1 and Lock & Dam 1 will be constructed to study water flow and sediment movement under various pool management strategies.	B. Water Resources	Jeffrey Marr / U of MN, St. Anthony Falls Laboratory	\$450,000	79			5 out of 17	29		
106	2025- 176		Assess the use of native hay and pasture mixes to benefit biodiversity, soil health, and Minnesota farmers.	H. Small Projects Sub: F. Methods to Protect or Restore Land, Water, and Habitat	Joshua Lallaman / Restoravore	\$208,000	60			5 out of 17	29		

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Line #	Proposal ID	Project Title	Summary	Category / Subcategory	Project Manager / Organization	Amount Requested	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
107	2025- 250	Resources by Advancing Forever Green Agriculture	The Forever Green Initiative will fund research projects focused on protecting water, wildlife, soil, the climate, and other natural resources by developing new perennial and winter-annual crops.	A. Foundational Natural Resource Data and Information	Mitchell Hunter / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$5,000,000	78			5 out of 17	29		
108	2025- 288	and Enhancement at Minneapolis Lakes	This project will restore and enhance approximately 2.75 miles of turf-dominated, eroding, low habitat value lakeshore around Minneapolis's famous Chain of Lakes.	F. Methods to Protect or Restore Land, Water, and Habitat	Adam Arvidson / Minneapolis Park and Recreation Board	\$1,000,000	75			5 out of 17	29		
109	2025- 294	Zooplankton Data to	We will operationalize valuable statewide monitoring data to understand how zooplankton support Minnesota fisheries and water quality. Results will streamline data collection, management, and preservation, and inform on lake health.	A. Foundational Natural Resource Data and Information	Jake Walsh / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$445,000	66			5 out of 17	29		
110	2025- 295	Woodland Trees in Urban Areas	This project studies climate-adaptive tree species performance across metropolitan areas of Minnesota. This project will recruit volunteers to collect data and will assess volunteers' risk tolerance of climate-adaptive tree species.	A. Foundational Natural Resource Data and Information	Alicia Coleman / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$255,000	70			5 out of 17	29		
111				•				.7 members- 105 proposals: \$86,967 000 amount available)	,000				
112	2025- 241	Agriculture Data to Reduce Environmental Impacts	Foundational data from sentinel farms, BMPs, and training will be developed to support adoption of precision agricultural technologies. These optimize fertilizer and chemical input use, improving water and air quality.	A. Foundational Natural Resource Data and Information	Joel Tallaksen / U of MN, WCROC	\$1,457,000	66		MR	4 out of 16	25	Is this a repeat?	

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Line #	Proposal ID	Project Title	Summary	Category / Subcategory	Project Manager / Organization	Amount Requested	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
113	2025-069	Climate Resiliency	Increasing ecosystem function and landscape resiliency by collaborating with the grazing community to establish and enhance native forages on working lands to improve ecological, economical, and climate resiliency.	F. Methods to Protect or Restore Land, Water, and Habitat	Sabrina Claeys / Ducks Unlimited Inc	\$3,020,000	52	The proposal appears to include restorations on private land that may not be permanently protected. This would conflict with standard LCCMR requirements. Before making a recommendation, commission may want to confirm restoration is on permanently protected land or agree to provide a waiver to this standard LCCMR requirement.		4 out of 17	24		
114	2025- 096	Reducing Climate Risks in Minnesota	Research aims to apply an integrated risk modeling with community engagement to assess nature-based solutions' effectiveness in mitigating floods, droughts, wildfires, and heatwaves in Minnesota's urban, rural, and tribal communities.	F. Methods to Protect or Restore Land, Water, and Habitat	Nfamara K Dampha / U of MN, Institute on the Environment	\$499,000	69			4 out of 17	24	Community engagement is critical.	
115		Place-Based Environmental Stewardship	A robust and diverse site stewardship program connecting Minnesota's diverse public to place-based stewardship and monitoring opportunities designed to nurture conservation ethic and support ongoing restoration work.	H. Small Projects Sub: C. Environmental Education	Brennan Blue / Great River Greening	\$137,000	65			4 out of 17	24		
116	2025- 209	Meadow Restoration	This project will restore approximately 3.5 acres of low- lying parkland currently dominated by invasive species to a native wet meadow landscape type.	H. Small Projects Sub: F. Methods to Protect or Restore Land, Water, and Habitat	Adam Arvidson / Minneapolis Park and Recreation Board	\$240,000	75			4 out of 17	24		
117	2025- 225	Impacts on Common Loons	Loss of water clarity hampers loon foraging and has caused population decline in Wisconsin. I propose to build a marked population of loons to determine if Minnesota shares that problem.	H. Small Projects Sub: E. Air Quality, Climate Change, and Renewable Energy	Walter Piper / Chapman University, Schmid College of Science and Technology	\$238,000	50			4 out of 17	24		
118	2025- 227	Sportswomen Training Center - Phase 2	The Minnesota Forest Zone Trappers Association (MFZTA) is requesting a \$1,050,000 grant for Phase 2 of the Sportsmen's & Sportswomen's Outdoor Training and Development Center.	G. Land Acquisition, Habitat, and Recreation	Ray Sogard / Minnesota Forest Zone Trappers Association	\$1,050,000	45			4 out of 17	24		
119		Interpretive Center and Platforms	This project is for programming, schematics, and design development for a bison prairie interpretive center and two viewing platforms to complement the bison prairie at Spring Lake Park Reserve (SLPR)	G. Land Acquisition, Habitat, and Recreation	Michael Honer / Dakota County	\$600,000	68			4 out of 17	24		
120	2025- 243	Digestion to Eliminate Antibiotic Resistance Genes	This project will investigate anaerobic digestion of sewage sludge to also eliminating antibiotic resistance genes. This should be achievable by operating anaerobic digesters at slightly warmer temperatures than typical operation.	B. Water Resources	Timothy LaPara / U of MN, College of Science and Engineering	\$290,000	51			4 out of 17	24		

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Line #		Project Title	Summary	Category / Subcategory	Project Manager / Organization	Amount Requested	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
12		Resource Mapping	DNR aggregate resource datasets provide vital information to local governments to support informed land-use decisions and resource conservation. This proposal will complete and start projects to equal about 4-6 counties.	A. Foundational Natural Resource Data and Information	Heather Arends / MN DNR, Lands and Minerals Division	\$697,000	64			4 out of 17	24	What is the purpose? Extraction	
12	2025-270	Adaptation Strategy for Southeast Minnesota	We will conduct research on a riparian climate change adaptation strategy involving floodplain reconnection and shrub planting in Southeast Minnesota in partnership between TNC and the University of Minnesota	H. Small Projects Sub: F. Methods to Protect or Restore Land, Water, and Habitat	Christian Lenhart / The Nature Conservancy	\$243,000	75			4 out of 17		I would like this with a bigger scope recognizing the groundwater connections and being more connected to recharge and floodplain. A complete water budget would be necessary to assess adaptation.	
12	2025- 272	Nanoplastics in Minnesota's Drinking	We will determine the extent of nanoplastic pollution in public water supplies, groundwater private wells, and bottled waters in Minnesota, identify their likely sources, and develop mitigation solutions.	B. Water Resources	Boya Xiong / U of MN, College of Science and Engineering	\$649,000	68			4 out of 17	24		
12	2025- 273	Managing the	Assessing riparian zone buffering efficiency for preserving or improving physical stream health across different riparian zone types.	H. Small Projects Sub: B. Water Resources	Andrew Robertson / Saint Mary's University	\$250,000	51			4 out of 17	24		
12	2025- 276	Sensor for PFAS Detection	We propose to develop a cheap, accurate, and easy-to- use sensor for detection of PFAS in water. It can be used for natural water monitoring and drinking water detection of PFAS.	H. Small Projects Sub: B. Water Resources	Tianhong Cui / U of MN, College of Science and Engineering	\$250,000	73			4 out of 17	24	This year I have been more inclined to look to 3M and their NGO arms to fund PFAS.	
12		Plateau Oak Savanna Restoration	This project will restore approximately 5.5 acres of urban parkland in the heavily visited and historically significant Minnehaha Park to an oak savanna ecosystem.	H. Small Projects Sub: F. Methods to Protect or Restore Land, Water, and Habitat	Adam Arvidson / Minneapolis Park and Recreation Board	\$242,000	73			4 out of 17	24		
12	2025-291	Trail and Pedestrian	The Project will construct a new pedestrian overpass bridge and grade-separated multi-use trail access to Lum Park at TH 210 in Brainerd.	G. Land Acquisition, Habitat, and Recreation	Jessie Dehn / City of Brainerd	¢2.750.000	49			A out of 17	24		
12						\$3,750,000	48			4 out of 17	24		

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Line #	Proposal ID	Project Title Moving Minnesota	Summary We will use educational outreach to increase	Category / Subcategory	Project Manager / Organization	Amount Requested	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
128	296	towards a Lead-Free Sporting Future	awareness of lead-free options for big game hunting, small game hunting, and fishing as a means of reducing wildlife exposure to lead.	H. Small Projects Sub: C. Environmental Education	Brian Hiller / Minnesota State Colleges and Universities, Bemidji State University	\$250,000	61			4 out of 17	24		
129	2025- 298		We will complete a feasibility study to restore fish passage at the U.S. Army Corps of Engineers' Leech Lake Dam in Cass County, MN.	H. Small Projects Sub: B. Water Resources	Steven Herrington / The Nature Conservancy	\$125,000	68			4 out of 17	24		
130	2025- 299	PFAS in Landfill	Onsite demonstration of PFAS destruction in MN leachate via supercritical water oxidation advances MN Water Resources (RFP Priority B.2 & C) through PFAS removal from critical waste management infrastructure.	B. Water Resources	Jonna Spanier / Bay West LLC	\$1,782,000	80			4 out of 17	24	This year I have been more inclined to look to 3M and their NGO arms to fund PFAS.	
131	2025-306	Innovative Solution to Renewable Energy from Food Waste	A partnership supporting the State climate and renewable energy goals by diverting organic materials from landfills and producing renewable natural gas (RNG) through anaerobic digestion and sequestering carbon into biochar.	E. Air Quality, Climate Change, and Renewable Energy	Matt Phillips / Ramsey/Washingt on Recycling & Energy Board	\$10,000,000		'-Is the proposed project consistent with M.S. 116P.08 (5) that prohibits ENRTF spending for solid waste disposal facilities? -Is the proposed project eligible for funding under Category E. Air Quality, Climate Change, and Renewable Energy? The RFP states capital projects (e.g., buildings or building infrastructure) will not be considered under this category." -Are the requested processing payments/tipping fees for this facility considered supplanting traditional sources of funding and therefore inconsistent with M.S. 116P.03?		4 out of 17	24	No capital projects	
132					• •	-		.7 members- 125 proposals: \$112,736 ,000 amount available)	5,000				
133	2025- 249	Decarbonization in Minnesota through Sustainable Aviation	Performing TEA/LCA of the relevant SAF pathways leveraging MN resources, providing a preliminary design of a potential SAF plant, identifying demonstration facilities necessary to derisk the MN SAF hub	E. Air Quality, Climate Change, and Renewable Energy	Jennifer King / National Renewable Energy Laboratory	\$1,000,000	69		MR	3 out of 16	19		

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## # Tine #	2025- 043	Area Enhancement Project	Summary Development of Carey Lake Recreation Area consisting of multiple enhancements including the construction of new trails, a bog walk, playground structure, beach enhancement, pavilion construction, and maintenance building construction.	Category / Subcategory G. Land Acquisition, Habitat, and Recreation	Project Manager / Organization Nick Arola / City of Hibbing	Amount Requested \$1,155,000	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation 3 out of 17	% of Members Selecting	Member Notes Capitol construction restricted for parts of this proposal. Can it be removed?	Provisionally Selected for Presentation
135	2025- 074	Discharge Taconite Concentrators	The project aims to design zero effluent discharge taconite concentrators in Minnesota to maximize water resource utilization, conserve freshwater sources and prevent the pollution of surface freshwater sources.	B. Water Resources	Jestos Taguta / U of MN, Duluth - NRRI	\$984,000	58			3 out of 17	18		
136	2025- 076	Cyanobacteria Threats at Lake Superior	Because cyanobacteria blooms are becoming more severe in Lake Superior and the St. Louis River Estuary, cyanobacteria toxin detection will be integrated into beach monitoring programs to keep beachgoers safe.	H. Small Projects Sub: B. Water Resources	Christopher Filstrup / U of MN, Duluth - NRRI	\$197,000	77			3 out of 17	18		
137	2025- 085	Establishing Minnesota's Center for Pollinator	Our project will establish MJV's public-facing work at Prairie Oaks, inaugurating this campus as Minnesota's center for pollinator conservation. Activities include habitat demonstration sites, educational workshops, and a walking trail.	H. Small Projects Sub: C. Environmental Education	Wendy Caldwell / Monarch Joint Venture	\$173,000	60	It appears as if this project could include restoration on private land that may not be permanently protected, which conflicts with standard LCCMR requirements. Before making a recommendation, commission may want to confirm restoration is on permanently protected land or agree to provide a waiver to this standard LCCMR requirement.		3 out of 17	18		
138	2025- 098	and Outreach for Possible CWD Spillover	Protecting Minnesota's public, wildlife, and economic health from the significant threats of a chronic wasting disease spillover through proactive preparedness activities and multidisciplinary exercises with local, state, and world experts.	A. Foundational Natural Resource Data and Information	Michael Osterholm / U of MN, Center for Infectious Disease Research and Policy (CIDRAP)	\$3,308,000	47			3 out of 17	18		
139	2025- 102	Minnesota Oak Forests for Climate Change	We will assess performance of future-adapted tree seedlings planted across a suite of forested growing conditions associated with silvicultural harvest treatments designed to encourage adaptive capacity in dry-mesic oak-dominated forests.	H. Small Projects Sub: E. Air Quality, Climate Change, and Renewable Energy	Mike Reinikainen / MN DNR, Forestry Division	\$199,000	60			3 out of 17	18		
140	2025- 104	in Drinking Water	Minnesota's water resources community can leverage unique local measurement technology to help protect the state's drinking water from potentially toxic nanoplastic contaminants.	B. Water Resources	Larry Zazzera / CT Associates Inc.	\$429,000	40			3 out of 17	18		

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# # Fine	2025- 128		Summary Create an updated, user-friendly Minnesota Well Index (MWI) interface, evaluate methods to make the MWI more comprehensive, and create educational materials for MWI users.		Project Manager / Organization Joel Larson / U of MN, Water Resources Center	Amount Requested \$792,000	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation 3 out of 17	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
142	2025- 141	and Remediate	Microplastics are ubiquitous. We propose to develop a biochar-based method to monitor and sequester microplastics in Minnesota waters.	F. Methods to Protect or Restore Land, Water, and Habitat	Lee Penn / U of MN, College of Science and Engineering	\$546,000	77			3 out of 17	18		
143	2025- 147	and Watershed Communities through	Student, teacher, and community outdoor learning opportunities to focus on water quality, groundwater, and aquatic life will develop a community conservation ethic and statewide network of watershed stewards.	C. Environmental Education	Kristen Poppleton / Minnesota Trout Unlimited	\$350,000	63			3 out of 17	18		
144	2025- 162	CO2 from Ethanol	This project combines CO2 capture from ethanol plants with wastewater treatment. It utilizes microbial electrosynthesis system with optimized bioelectrodes to convert the CO2 to valuable fuels and bioproducts.	H. Small Projects Sub: E. Air Quality, Climate Change, and Renewable Energy	Roger Ruan / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$250,000	54			3 out of 17	18		
145	2025- 190	Seedling Planting in Minnesota	Let's Plant Trees will expand seedling distribution and planting efforts by quantity and region, expand education and collaboration activities, and facilitate volunteer tree planting projects across the state of Minnesota.	H. Small Projects Sub: F. Methods to Protect or Restore Land, Water, and Habitat	Carrie Nicklow / Let's Plant Trees	\$128,000	50			3 out of 17	18		
146	2025- 191	·	This project would develop adaptable methodologies and leverage citizen scientists to survey microplastic pollution throughout the state to allow for data-driven risk management decisions and solutions.	B. Water Resources	Melissa Maurer- Jones / U of MN, Duluth	\$450,000	74			3 out of 17	18		
147	2025-200	Futures: Energy Efficiency Program	Cooperative Energy Futures will implement a coordinated community-based home energy upgrade program, providing behind-the-scenes program, funding, and technical coordination to increase uptake of residential energy efficiency in the Twin Cities.	H. Small Projects Sub: E. Air Quality, Climate Change, and Renewable Energy	Audrey Pallmeyer / Cooperative Energy Futures	\$249,000	70			3 out of 17	18		
148	2025- 201	Connection: Recreation, Wetlands, Environmental	Bike/pedestrian connection via a wetland trail connecting the state Gateway Trail to recreational/cultural/environmental resources in Scandia Gammelgården Museum, playgrounds, athletic facilities, amphitheater, splash pad, and	G. Land Acquisition, Habitat, and Recreation	Kyle Morell / City of Scandia	\$998,000	46			3 out of 17	18		

Source: LCCMR 19 of 31 6/7/2024

# e #	2025- 213	Park Restoration and	Summary Improvements in Lake Byllesby Regional Park will involve natural resource restoration, new natural surface trails, birding and picnic areas; in three areas to enhance the visitor experience and stewardship.	Category / Subcategory G. Land Acquisition, Habitat, and Recreation	Project Manager / Organization Niki Geisler / Dakota County	Amount Requested \$1,238,000	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation 3 out of 17	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
150	2025- 216	Accessibility	Through a "Pollinator Promenade," stream restoration, and an accessible paddle launch, this project will incorporate accessibility improvements and natural resource restoration to enhance access to nature within an urban setting.	G. Land Acquisition, Habitat, and Recreation	Niki Geisler / Dakota County	\$1,050,000	63			3 out of 17	18		
151	2025-223	Minnesota Wetlands for Phage and Bacterial	Antibiotic resistance represents a critical global health issue. Our innovative approach combines studentsourcing with advanced research techniques to engage the next generation of scientists in discovering potentially new antimicrobials.	A. Foundational Natural Resource Data and Information	Brian Dingmann / U of MN, Crookston	\$443,000	42	Is the proposed project, which seems to be focused on bioprospecting in wetlands for human pharmaceuticals, consistent with the constitutional purpose of the ENRTF?		3 out of 17	18		
152	2025- 240	Project	The City of Shakopee will re-grade and stabilize portions of Quarry Lake affected by erosion, and construct a fishing pier and paved trail.	G. Land Acquisition, Habitat, and Recreation	Andrea Harrell / City of Shakopee	\$404,000	76			3 out of 17	18		
153	2025- 245	Treatment Pilot Study	This pilot study was recommended by city engineers before preliminary design of a water treatment facility to account for elevated levels of iron, ammonia, and manganese in the water system.	H. Small Projects Sub: B. Water Resources	Mary Schneider / City of Loretto	\$68,000	30	'-Given the size and permanence of this pilot and associated testing, would members consider this a water system improvement? If so, is it eligible for funding per the constitution and 116P.08?		3 out of 17	18		
154	2025- 246	Stormwater Ponds'	We propose analyzing Minnesota urban stormwater ponds using AI tools and satellite imagery to remotely assess water quality conditions of individual ponds and their potential impact on downstream surface waters.	F. Methods to Protect or Restore Land, Water, and Habitat	John Gulliver / U of MN, St. Anthony Falls Laboratory	\$426,000	77			3 out of 17	18		
155	2025- 252	Access to Habitat	In partnership with state, federal and private agencies, we seek funding to expand public access to an additional 20,000 acres of private lands for hunting and other outdoor recreation.	G. Land Acquisition, Habitat, and Recreation	Sabin Adams / Pheasants Forever Inc	\$1,470,000	65			3 out of 17	18		
156	2025- 256	Food Systems with Deep Winter	We will improve the efficiency and profitability of deep winter greenhouses, bridging growing seasons and creating resilient food systems via passive solar growing in winters and solar drying in summers.	E. Air Quality, Climate Change, and Renewable Energy	Natasha Wright / U of MN, College of Science and Engineering	\$306,000	66			3 out of 17	18		

Source: LCCMR 20 of 31

Line #	Proposal ID	Project Title	Summary	Category / Subcategory	Project Manager / Organization	Amount Requested	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
157	2025-262	Center Raptor Mew	Construction of a raptor mew to house and display animal ambassadors at Ramsey County Parks & Recreation's Tamarack Nature Center.	H. Small Projects Sub: G. Land Acquisition, Habitat, and Recreation	Kristopher Lencowski / Ramsey County Parks and Recreation	\$150,000	55	This appears to be an environmental education project that submitted under category G (Habitat, Land Acquisition, and Recreation) rather than Category C. Is the proposed project therefore eligible for funding under Category C. Environmental Education? The RFP states capital projects (e.g., buildings or building infrastructure) will not be considered under this category.		3 out of 17	18		
158	2025-263	of Voss Park	The City of Butterfield's Voss Park Campground is under threat from Emerald Ash Borer which could potentially impact the Ash trees.	H. Small Projects Sub: F. Methods to Protect or Restore Land, Water, and Habitat	Kristina Rehnelt / City of Butterfield	\$81,000	48	-Proposal appears to include construction and conflicting information on that cost. If cost is over \$10k, applicant needs to complete a capital construction project Questionnaire, Budget Addendum, and identify 25% match for the construction work.		3 out of 17	18	Yes, if you can address staff comments	
159	2025- 286	Protect Lake Ecological Integrity	Pilot the Midwest Active Citizenship Initiative's approach among local civic groups and LGU's to drive public behavior change to improve shoreline health and prevent the aquatic invasive species spread.	B. Water Resources	Jeff Forester / Minnesota Lakes and Rivers Advocates	\$436,000	47			3 out of 17	18		
160	2025- 290		To develop a novel charge-swing reactor that can convert water to hydrogen at lower cost (<\$1 / kg-H2) for on-the-farm energy storage or as reductant for diesel or ammonia fertilizer.	E. Air Quality, Climate Change, and Renewable Energy	Paul Dauenhauer / U of MN, College of Science and Engineering	\$836,000	52			3 out of 17	18	Early stage technology with significant potential	
161	2025-313	Decarbonizing Regional Transportation Project	Utilizing green hydrogen as a renewable, carbon-free, alternate fuel source: decarbonizing city fleet, public transit, manufacturing and transportation sectors within the community; improving air quality and enhancing energy resiliency.	E. Air Quality, Climate Change, and Renewable Energy	Tracy Hodel / City of St. Cloud	\$4,300,000	50	Is the proposed project eligible for funding under Category E. Air Quality, Climate Change, and Renewable Energy? the RFP states capital projects (e.g., buildings or building infrastructure) will not be considered under this category.		3 out of 17	18	Very interesting and dynamic project but the scope is likely larger than the requested budget. Development of green hydrogen economy is important.	

Source: LCCMR 21 of 31 6/7/2024

:	Proposal ID	Project Title	Summary	Category / Subcategory	Project Manager / Organization	Amount Requested	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
11	2025-320	The Mill District Habitat Restoration Site	Project includes restoration of a riparian area to foster habitat and improve water quality within a previously abandoned industrial property along the Mississippi River.	F. Methods to Protect or Restore Land, Water, and Habitat	Anna Gruber / City of Sartell	\$400,000	79	The property is a brownfield with known contamination from use as a former papermill. M.S. 116P.08 (1) prohibits ENRTF spending for purposes of environmental compensation and liability under chapter 115B and response actions under chapter 115C. Before making a recommendation, members may want to ensure that the applicant is not intending to use ENRTF funds for a Response Action Plan or environmental clean up.		3 out of 17	18	It would be good for the legislature to revisit the env. comp statutes in light of the distributed damage of climate change. We fund climate mitigation and adaptation and some air pollutant challenges, but hamstring ourselves on terrestrial and hydrologic problems. If we can clean the air and manage climate consequences, why can't we do the same for land and water with ENRTF?	
1	2025- 012	Eagle's Nest: Where the World Becomes Your Classroom	Creating an innovative approach to improve people's mental health and wellbeing while developing an appreciation for, conservation of, and preservation of nature!	H. Small Projects Sub: C. Environmental Education	Jodee Lund / Glacial Hills Elementary School	\$130,000	74	Is the proposed Activity 4 eligible for funding under Category C. Environmental Education? The RFP states capital projects (e.g., buildings or building infrastructure) will not be considered under this category.		2 out of 17	12	Excellent proposal. ~\$65k for minor equipment and installation should not meet capital expenditure thresholds. We expect awardees to install signage which is also technically a capital expenditure.	
1	2025- 023	Nature-Centric Education: Bridging Gaps for Families	This proposal seeks funding to expand our nature education program, ensuring equity by providing families opportunities throughout the year. We aim to foster environmental stewards through place-based, multi-aged classes.	C. Environmental Education	Michelle Wille / Project Wild Rooted	\$418,000	38	Would paying for full-time teacher salaries and scholarships for students to attend elementary school (vs. those for summer classes and camp) be considered supplanting, which is inconsistent with M.S. 116P.03?		2 out of 17	12		
1	2025- 024	Duluth Traverse Accessibility and Progression	COGGS seeks to enhance the Duluth Traverse trail network, improving accessibility and sustainability across the system while increasing opportunities for progression and skills building for all users.	G. Land Acquisition, Habitat, and Recreation	Ansel Schimpff / Cyclists of Gitchee Gumee Shores	\$285,000	20	-The proposed project does not identify sufficient match to meet the requirements of M.S. 116P.21 (2). A cash or in-kind match of at least 25% is required for a capital construction project."		2 out of 17	12		
1	2025- 051	St. Louis River Multi- Use Bridge	This project consists of upgrading the Historic D&NE St. Louis River Multi-use Bridge to allow safe use of the bridge by entities that enjoy outdoor recreation.	Habitat, and Recreation	Caleb Peterson / City of Cloquet	\$1,485,000	40			2 out of 17	12		
1	2025- 67 060	Littlefork Public RV Campground	This project consists of the design and construction of a new campground with necessary amenities for the City of Littlefork.	G. Land Acquisition, Habitat, and Recreation	Sonja Pelland / City of Littlefork	\$2,500,000	35			2 out of 17	12		

Source: LCCMR 22 of 31 6/7/2024

Line #	Proposal ID	Project Title	Summary	Category / Subcategory	Project Manager / Organization	Amount Requested	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
168	2025- 081	Hoyt Lakes	The construction of an approximately 4.5 mile-long segment of the Mesabi Trail beginning at the intersection of Main Street (CR 100) and Forestry Road in Aurora toward Hoyt Lakes.	G. Land Acquisition, Habitat, and Recreation	Sarah Ciochetto / St. Louis & Lake Counties Regional Railroad Authority	\$2,000,000	70	-The proposed project does not identify sufficient match to meet the requirements of M.S. 116P.21 (2). A cash or in-kind match of at least 25% is required for a capital construction project."		2 out of 17	12		
169	2025- 090	Lining	To avoid flood damage and provide climate resiliency, the Prior Lake Outlet pipe, the sole outlet for a 18,904-acre watershed, urgently needs repair to maintain and improve essential functionality.	G. Land Acquisition, Habitat, and Recreation	Emily Dick / Prior Lake-Spring Lake Watershed District	\$763,000	39			2 out of 17	12		
170	2025- 091		Provide funding to Minnesota Counties to perpetuate the Public Land Survey System (PLSS). This funding, if awarded, would focus on PLSS preservation projects that benefit public land management.	A. Foundational Natural Resource Data and Information	Kory Thurnau / Minnesota IT Services, Minnesota Geospatial Information Office (MnGeo)	\$5,464,000	40			2 out of 17	12	A little vague with the coordination	
17:	2025-		To find new avenues for water production for farms and municipalities, we are taking established dehumidification technology and adapting it for outdoor use powered either by the grid or solar.	B. Water Resources	Jason Amundsen / Amundsen Farms, Inc DBA Locally Laid Egg Company	\$1,555,000	25			2 out of 17	12		
172	2025- 095	•	This project will evaluate a range of septage sources for common and emerging contaminants, evaluate nitrogen availability when land applied, and educate regarding the options for proper septage treatment.	B. Water Resources	Sara Heger / U of MN, Water Resources Center	\$494,000	63			2 out of 17	12		
173	2025-117	Concerns in Greater	The proposed project builds on a 2024 pilot to use qualitative and quantitative data to better understand the perspectives of residents of Greater Minnesota environmental justice areas towards natural resources.	H. Small Projects Sub: A. Foundational Natural Resource Data and Information	Sachiko Graber / Waxwing Consulting LLC, Climate and Equity Consulting	\$249,000	69			2 out of 17	12		

Source: LCCMR 23 of 31 6/7/2024

Line #	Proposal ID	Project Title	Summary	Category / Subcategory	Project Manager / Organization	Amount Requested	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
17.	2025-	Sulfide Mitigation Project	We will address the water quality impairments and deficiencies in Lake Monongalia that are creating hazardous hydrogen sulfide gas emissions in New London through the application of nanobubble aeration technology.	E. Air Quality, Climate Change, and Renewable Energy	Dan Coughlin /	\$2,203,000	25	-Is the proposed project eligible for funding under Category E. Air Quality, Climate Change, and Renewable Energy? The RFP states capital projects (e.g., buildings or building infrastructure) will not be considered under this categoryActivity 1 & milestone 7 indicate land acquisition and/or land use agreements. If land acquisition, proposer did not indicate this in general information and so the proposal is missing information required for acquisition projects. Before making a recommendation, the commission may want to confirm that land to be acquired is private and that the proposed acquisition would be permanent.		2 out of 17	12		
17	2025- 156	Leadership Development for	This project increases leadership capacity and access to immersive outdoor education experiences and curricula for people of all ages with an emphasis on engaging historically marginalized communities statewide.	C. Environmental Education	Beth Becker / YMCA of the North	\$1,134,000	53			2 out of 17	12		
17	2025- 161	Fuels from Renewables through Microwave-	This project aims to develop and demonstrate a catalytic microwave-assisted hydrodeoxygenation system for converting waste oils and fats into sustainable aviation fuels.	E. Air Quality, Climate Change, and Renewable Energy	Roger Ruan / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$898,000	63			2 out of 17	12		
17	180	Change on Northeastern	We will aggregate research, data, and other information regarding the impacts of climate change on the habitat and wildlife of northeastern Minnesota into a publicly available, web-based database.	A. Foundational Natural Resource Data and Information	Chris Knopf / Friends of the Boundary Waters Wilderness	\$830,000	59			2 out of 17	12	Friends of BWCA may not be the most appropriate scientfic aggregatorm	
178	2025- 187	Pollinators: A Risk to Native Minnesota	Assesses disease threats to MN native bees posed by imported commercialized solitary bees, support native pollinator populations, and promote best practices to protect the health of MN native bee populations.	A. Foundational Natural Resource Data and Information	Melinda Wilkins / U of MN, College of Veterinary Medicine	\$999,000	42			2 out of 17	12		
179	2025- 199	and Preserving Habitat in Minnesota Lakes	The effectiveness of lakeshore protection and restoration approaches will be tested in a novel lakeshore laboratory designed to test the interactions between wind and boat waves and various shoreline vegetation.	B. Water Resources	Jessica Kozarek / U of MN, St. Anthony Falls Laboratory	\$683,000	73			2 out of 17	12		

Source: LCCMR 24 of 31 6/7/2024

# #	2025- 2006	Project Title Managing PFAS in Stand-Alone Digesters for Resource Circularity	Summary Investigate sustainable methods for organic waste treatment in anaerobic digesters to recover energy and resources. Additionally, study the presence and transformation of PFAS during these processes to promote resource circularity.	Category / Subcategory H. Small Projects Sub: E. Air Quality, Climate Change, and Renewable Energy	Project Manager / Organization Roger Ruan / U of MN, College of Food, Agricultural and Natural Resource Sciences	Amount Requested \$250,000	Staff Score	Staff Comments	# Members Selecting for	% of Members Selecting	Member Notes This year I have been more inclined to look to 3M and their NGO arms to fund PFAS.	Provisionally Selected for Presentation
181	2025- 207	Sustainable Manipulation to Reduce Dairy Methane Emissions	This project will utilize in vitro simulation systems and prediction models to assess the potential of live microalgae as feed additives for regulating and mitigating dairy methane emissions.	H. Small Projects Sub: E. Air Quality, Climate Change, and Renewable Energy	Roger Ruan / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$250,000	55		2 out of 17	12		
182	214		We will conduct mapping analyses of the environmental challenges unique to small farms and examine how vulnerable small farms are to soil and water sustainability in the Root River Basin.	H. Small Projects Sub: A. Foundational Natural Resource Data and Information	Kyungsoo Yoo / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$244,000	54		2 out of 17	12		
183	2025- 221		The MNI-WANA ("Water-Now" in Lakota language) Project, employing aerial drone-mounted multispectral cameras, aims to assess phosphorus, chloride, and nitrogen concentrations in eight heavily polluted lakes in central and southern Minnesota.	B. Water Resources	Sayan Biswas / U of MN, College of Science and Engineering	\$425,000	65		2 out of 17	12		
184	2025- 234	Drainage Tools for Minimizing Downstream Impacts	This project will help understand how agricultural drainage changes downstream hydrology and create tools that will help improve drainage design to minimize the impacts of high flow, sediment and pollutants.	B. Water Resources	John Nieber / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$297,000	66		2 out of 17	12		
185	2025- 251	CollectED Project	CollectED will launch an education platform aimed at Minnesota educators, youth and families about the science of energy storage and the need for safe battery recycling and reuse.	C. Environmental Education	Roopali Phadke / Macalester College	\$559,000	64		2 out of 17	12		
186	2025- 255		Redeveloping the 3rd Street Park into a vibrant community gathering space serving residents of Proctor. A new basketball court, pavilion, and green gathering spaces will be constructed.	G. Land Acquisition, Habitat, and Recreation	Jessica Rich / City of Proctor	\$875,000	20	-The proposed project does not identify sufficient match to meet the requirements of M.S. 116P.21 (2). A cash or in-kind match of at least 25% is required for a capital construction project."	2 out of 17	12	If they can get the match	
187	2025- 284	Norway House FriLife Project	Norway House is launching an educational series focused on equipping people with skills to enjoy the outdoors. FriLife program will be modelled after Norwegian cultural value of "open air living".	C. Environmental Education	Joseph Grodahl / Norway House	\$260,000	25		2 out of 17	12		

Source: LCCMR 25 of 31 6/7/2024

Line #	Proposal ID	Project Title Agricultural	Summary Identification and validation of technologies to	Category / Subcategory B. Water Resources	Project Manager / Organization Brad Matuska /	Amount Requested	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
188	314	Nutrient Efficiency and Water Protection	optimize nutrient recovery in agri-food systems focused on targeting sustainable economic and environmental solutions that prevent nutrients from entering ground and surface water resources.		Agricultural Utilization Research Institute	\$561,000	58		AP	2 out of 16	12		
189	2025- 316	Improving Environmental Impacts of Agri-Food Businesses	Work with small-medium sized value-added agri-food businesses in Minnesota that lack the expertise to assess their environmental footprints and identify interventions to improve their sustainability profile.	E. Air Quality, Climate Change, and Renewable Energy	Luca Zullo / Agricultural Utilization Research Institute	\$471,000	46		AP	2 out of 16	12		
190	2025- 318	Lights Ground and Surface Water	We seek to protect the ground and surface water at YMCA Camp Northern Lights installing a rain garden and septic systemas we renovate and maintain a strong community asset.	H. Small Projects Sub: B. Water Resources	Kate Ray / YMCA of the North	\$95,000	25	'-The proposed project does not identify sufficient match to meet the requirements of M.S. 116P.21 (2). A cash or in-kind match of at least 25% is required for a capital construction project.		2 out of 17	12	Not a good fit, perhaps a project for clean water revolving fund	
191	2025- 056		Jumping worms belong to the 13 high-risk invasive species that MN DNR classified as prohibited. We quantify the extent to which jumping worms alter water flow in the forest soils.	H. Small Projects Sub: B. Water Resources	Kyungsoo Yoo / U of MN, St. Anthony Falls Laboratory	\$214,000	75	The proposal includes research on a MITPPC priority species and is eligible for MITPPC funding. Does the Commission want to direct this applicant to apply to MITPPC instead?		1 out of 17	6	Apply for MITPPC funding	
192		Farm	The project team at the WCROC will evaluateemerging solar system designs that will maximize energy production as well as provide maximal benefits to farmers.	E. Air Quality, Climate Change, and Renewable Energy	Bradley Heins / U of MN, WCROC	\$678,000	43	-Is the proposed project eligible for funding under Category E. Air Quality, Climate Change, and Renewable Energy? The RFP states capital projects (e.g., buildings or building infrastructure) will not be considered under this category.	MR	1 out of 16	6		
193	2025- 125	Center Outdoor Diversity Initiative	River Bend Nature Center will lead a coalition of educational partners and culturally specific organizations to expand recognized environmental education curriculum into East African and Latinx communities in Southern Minnesota.	H. Small Projects Sub: C. Environmental Education	Brad Bourn / River Bend Nature Center	\$247,000	50			1 out of 17	6		
194	2025- 170	Ice Forces on Coastal Infrastructure	Great Lakes waves and ice conditions are changing. This project measures wave and ice forces on coastal infrastructure, informing designs to make Minnesota's coastal ecosystems resilient to extreme weather conditions.	E. Air Quality, Climate Change, and Renewable Energy	Craig Hill / U of MN, Duluth	\$437,000	71			1 out of 17	6		

Source: LCCMR 26 of 31

Line #	Ol lesoposal ID	Project Title Nature Play Area	Summary The proposed project is to install natural play elements	Category / Subcategory H. Small Projects	Project Manager / Organization Michael Granlund	Amount Requested	Staff Score	Staff Comments -Is the proposed project eligible for	Member COI	# Members Selecting for Presentation	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
195	183	·	at the established nature play area that blends into the existing natural environment at Lake Bemidji State Park.	Sub: C. Environmental Education	/ Friends of Lake Bemidji State Park	\$18,000	50	funding under Category C. Environmental Education? The RFP states capital projects (e.g., buildings or building infrastructure) will not be considered under this category.		1 out of 17	6		
196	2025- 184	•	Bountiful, open opportunities to nature, conservation and education at our urban refuge.	H. Small Projects Sub: C. Environmental Education	Alison Schaub / Minnesota Valley Refuge Friends	\$210,000	45	Unclear if the proposed Activity 2 is consistent with the constitutional purpose of the ENRTF.		1 out of 17	6		
197	2025-192	and Capture E-Waste	The project would include building a fully functional recycling facility in order to capture E-Waste from reaching our landfills through community education and free drop off sites statewide.	F. Methods to Protect or Restore Land, Water, and Habitat	Aaron Secrest / Secrest Enterprise LLC	\$1,345,000	20	-The proposed project does not identify sufficient match to meet the requirements of M.S. 116P.21 (2). A cash or in-kind match of at least 25% is required for a capital construction and for land acquisition for the purpose of capital construction -Is the proposed project consistent with M.S. 116P.08 (3) that prohibits ENRTF spending for hazardous waste disposal facilities? -Is the proposed project consistent with M.S. 116P.08 (4) that prohibits ENRTF spending for solid waste disposal facilities?		1 out of 17	6		
198	2025-203	Assisted Ammonia	This project aims to develop a novel non-thermal plasma technology to replace the Haber-Bosch process with renewable electricity and water electrolysis for greener production of ammonia.	E. Air Quality, Climate Change, and Renewable Energy	Roger Ruan / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$850,000	40			1 out of 17	6		
199	2025- 204	and Microwave Technology for Virus	The project aims to develop pilot-scale non-thermal plasma and microwave air filtration modules for virus, aerosol, chemical gas, and odor removals with effectiveness surpassing HEPA filters.	E. Air Quality, Climate Change, and Renewable Energy	Roger Ruan / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$959,000	41			1 out of 17	6		

Source: LCCMR 27 of 31 6/7/2024

Line #	Proposal ID	Project Title	Summary	Category / Subcategory	Project Manager / Organization	Amount Requested	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
200	2025- 205	Decontamination	This project aims to develop and demonstrate a continuous conveyor belt-type catalytic microwave-assisted decontamination system for remediating various contaminants in soil.	F. Methods to Protect or Restore Land, Water, and Habitat	Roger Ruan / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$989,000	53			1 out of 17	6		
201	2025- 208	Continuous Bin Composter	Developing a pilot scale continuous composter that integrates leachate recirculation, intelligent airflow control, and heat-to-energy conversion for maximized resource recovery and minimized environmental impacts.	H. Small Projects Sub: E. Air Quality, Climate Change, and Renewable Energy	Roger Ruan / U of MN, College of Food, Agricultural and Natural Resource Sciences	\$250,000	48			1 out of 17	6		
202	2025- 220	Friendly Grain Drying Using Ammonia-Fired Technology	This proposal aims to demonstrate a reliable, cost- effective, and efficient 100% ammonia burner technology for grain drying applications, utilizing a preheated catalytic bed and high-pressure ammonia- air mixture.	H. Small Projects Sub: E. Air Quality, Climate Change, and Renewable Energy	Sayan Biswas / U of MN, College of Science and Engineering	\$250,000	67			1 out of 17	6		
203	2025- 226	Mitigation with Marine Robots	This project will design a distributed robotic system, involving observations from two autonomous aerial and surface vehicles, to detect and clean harmful algal blooms from Minnesota's lakes.	B. Water Resources	Junaed Sattar / U of MN, College of Science and Engineering	\$668,000	45			1 out of 17	6		
204	2025- 235	Adventure: Sparking Next Generation	WonderTrek is on a mission to spark new generations of nature enthusiasts by maximizing the power of playing in nature, outdoor recreation, & citizen science from the earliest ages & up.	C. Environmental Education	Sheila Boldt / WonderTrek Children's Museum	\$1,158,000	40	Are all parts of the proposed project eligible for funding under Category C. Environmental Education? The RFP states capital projects (e.g., buildings or building infrastructure) will not be considered under this category.		1 out of 17	6		
205	2025-248	Tree Removal Program	To slow the spread of invasive emerald ash borer and maintain a robust tree canopy, Edina will create an ash tree removal program focused on low-income and multifamily housing.	D. Aquatic and Terrestrial Invasive Species	Matthew Gabb / City of Edina	\$500,000	46	'-Is the proposed project eligible for funding under Category D. Aquatic and Terrestrial Invasive Species Control? The RFP states standard control, removal, and maintenance activities of Invasive Species will not be consideredThe proposal does not include research, and therefore is not eligible for MITPPC funding.		1 out of 17	6		
206	2025- 274	Recycling Messaging for Better	With a substantial amount of recyclables going to disposal, RAM proposes to pilot data-driven messaging to select Minnesotans to drive higher recycling rates that can be spread statewide.	C. Environmental Education	Lori Nelson / Recycling Association of Minnesota	\$554,000	60			1 out of 17	6		

Source: LCCMR 28 of 31 6/7/2024

Line #	O Brooks and Topics an	Project Title Linking Health Benefits	Summary Diverse patients of Children's Minnesota health system	Category / Subcategory C. Environmental	Project Manager / Organization Carol Strecker /	Amount Requested	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
20	7 281		will experience the health benefits of connecting to nature, increasing families' affinity for nature and laying the foundation for a lifelong conservation ethic.	Education	Minnesota Zoological Garden	\$298,000	48			1 out of 17	6		
20.	2025- 287	Habitat Restoration Team	The habitat restoration team will support land stewardship across public, private, tribal lands with capacity and equipment to improve habitat through prescribed fire, invasive species management and timber stand improvement.	F. Methods to Protect or Restore Land, Water, and Habitat	Marya Johnston- McIntosh / The Nature Conservancy	\$810,000	65	'-This appears to include restoration, however proposer did not indicate this on the General Info page so proposal is missing information required for restoration projectsProposal mentions some restoration on private lands. Before making a recommendation, commission may want to confirm restoration is on permanently protected land or agree to provide a waiver to this standard LCCMR requirement.		1 out of 17	6		
20	2025- 297	Capture Using Carba	This proposal demonstrates and assesses the use of biomass-derived charcoal in Minnesota road construction layers to improve road properties, robustness and carbon sequestration.	H. Small Projects Sub: E. Air Quality, Climate Change, and Renewable Energy	Andrew Jones / Carba	\$250,000	30			1 out of 17	6	Novel approach to capturing and using CO2.	
21	2025- 303	Repurposed Railroad Tie Conversion to Biofuel Energy Source	We intend to pulverize used railroad ties and turn them into dense pellets for use in bio-fuel energy systems.	E. Air Quality, Climate Change, and Renewable Energy	Cedric Heller / Hallett Dock 7, Bio- Fuel Solutions	\$3,327,000	25	-Is the proposed project consistent with M.S. 116P.08 (4) that prohibits ENRTF spending for hazardous waste disposal facilities?" -Is the proposed project consistent with M.S. 116P.08 (5) that prohibits ENRTF spending for solid waste disposal facilities?"		1 out of 17	6	Concerns about air quality with pulverizing old, treated rail road ties	
21	2025- 027	Field-Training for Environmental Staff	County Geologic Atlases place water features in a regional geologic context. Geology field training for regional staff contextualizes protection and restoration efforts, promotes successful outcomes, and maximizes the State's return-on-investment.	C. Environmental Education	Carrie Jennings / Freshwater Society	\$334,000	29			0 out of 17	0		
21	2025- 155 2	Design for Tracking Impairments in Streams	Because agencies have limited resources and capacity to monitor streams at adequate resolution to assess stream health, we will use advanced computational approaches to develop and evaluate optimal sampling designs.	H. Small Projects Sub: B. Water Resources	Kun Zhang / U of MN, Duluth	\$247,000	75			0 out of 17	0		

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# e # 213	2025- 210	Spatial Data in Minnesota	Summary We will expand access to spatial data statewide using the MN Natural Resource Atlas through online tutorials and free training for local government, nongovernment organizations, and community involvement groups.	Category / Subcategory H. Small Projects Sub: A. Foundational Natural Resource Data and Information	Project Manager / Organization Will Bartsch / U of MN, Duluth - NRRI	Amount Requested \$65,000	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation 0 out of 17	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
214	2025- 218	Agrivoltaics and Biodiversity (MCAB)	Solar energy faces mounting land competition, rural reluctance, and aesthetic concerns, which may hinder Minnesota's clean energy transition. The Minnesota Center for Agrivoltaics and Biodiversity aims to overcome these barriers.	E. Air Quality, Climate Change, and Renewable Energy	Uwe Kortshagen / U of MN, College of Science and Engineering	\$2,750,000	80	'-Is the proposed project Activity 4 eligible for funding under Category E. Air Quality, Climate Change, and Renewable Energy? The RFP states capital projects (e.g., buildings or building infrastructure) will not be considered under this category.	MR	0 out of 16	0		
215	2025- 224	Development and Certification for Water Quality Improvement	The project will create a certification curriculum that will enhance the technical capacity of water quality practitioners responsible for making watershed planning and project implementation decisions to maximize public benefit.	H. Small Projects Sub: B. Water Resources	Andy Erickson / U of MN, St. Anthony Falls Laboratory	\$131,000	67			0 out of 17	0		
216	2025- 267	Climate on Municipal Water Demand	Developing tool that utilizes advanced statistics on water demand and climate data to forecast the effect of climate change on municipal water demand, aiding in enhancing water supply system resilience	E. Air Quality, Climate Change, and Renewable Energy	Harsh Anurag / Geosyntec Consultants, Inc.	\$351,000	59			0 out of 17	0		
217	2025- 269	Research and Projects	Consultants and college students will facilitate the co- creation of Impact Strategy Maps and Research Strategy Maps to align ENRTF-funded work for greater impact, managing information in the InsightVision platform.	E. Air Quality, Climate Change, and Renewable Energy	Shehla Mushtaq / Collectivity	\$491,000	30			0 out of 17	0		
218	2025- 166	Agreement Reimbursement	Provide contract management to ENRTF pass-through appropriation recipients for approximately 115 open grants. Ensure funds are expended in compliance with appropriation law, state statute, grants policies, and approved work plans.	I. Administration	Katherine Sherman-Hoehn / MN DNR, Grants Unit	\$280,000	100	Members do not need to select during evaluation; will advance automatically.		n/a			
219	2025- 321	LCCMR Administrative Budget	Place holder for the LCCMR administrative budget.	I. Administration	Account / Legislative-Citizen Commission on Minnesota Resources	\$491,001	100	\$ amount TBD. Members do not need to select during evaluation; will advance automatically.		n/a		can we increase this to increase staff. our growing trust fund is not compatible with a small staff.	

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Line #		Project Title	Summary	Category / Subcategory	Project Manager / Organization	Amount Requested	Staff Score	Staff Comments	Member COI	# Members Selecting for Presentation	% of Members Selecting	Member Notes	Provisionally Selected for Presentation
22	2025- 322	LCC Legacy Website	Placeholder for Legacy website.	I. Administration	LCCMR Universal Account / Legislative Coordinating Commission	\$491,002	100	\$ amount TBD. Members do not need to select during evaluations; will advance automatically.		n/a		Can we have more insight into this process and work to make the website more geographically enabled? This is worth allocating more if it gets more value to the ENRTF.	
22	2025- 001	Emerging Issues Account FY2025	Emerging Issues Account FY2025	I. Administration	LCCMR Universal Account / Legislative-Citizen Commission on Minnesota Resources	\$491,003	100	For selection and allocation by interested members during Evaluation #2.		n/a		cap at 1 million	
22	2025- 002	Legislative Direction FY2025	Legislative Direction Recommendation for FY2025	I. Administration	LCCMR Universal Account / Legislative-Citizen Commission on Minnesota Resources	\$491,004	100	For selection and allocation by interested members during Evaluation #2.		n/a		cap at 1 million	
22	3		Total amount requested			\$182,554,010							

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