

**M.L. 2023 Environment and Natural Resources Trust Fund (ENRTF)
LCCMR Recommendations for FY 2024**

For FY 2024 (July 1, 2023 -June 30, 2024), approximately \$79 million is available for funding from the Environment and Natural Resources Trust Fund (ENRTF) and approximately \$189,000 is available from the Great Lakes Protection Account (GLPA). As of August 30, 2022, the Legislative-Citizen Commission on Minnesota Resources (LCCMR) has selected 85 projects totaling \$79,833,000 to recommend to the 2023 Minnesota Legislature for funding from the ENRTF and the GLPA. The recommendations are a result of the LCCMR's 2023 Request for Proposal (RFP) process in which 174 proposals requesting a total of approximately \$164 million were received and considered through a competitive, multi-stage evaluation. The recommendations range from funding the full proposal and dollar amount requested to partial funding for specific proposal elements.

Topic Area	\$ Recommended	Percentage of Total Recommendation
Subd. 03 Foundational Natural Resource Data and Information 19 Recommendations	\$8,219,000	10.30%
Subd. 04 Water Resources 13 Recommendations	\$8,328,000	10.43%
Subd. 05 Environmental Education 8 Recommendations	\$3,905,000	4.89%
Subd. 06 Aquatic and Terrestrial Invasive Species 2 Recommendations	\$5,104,000	6.39%
Subd. 07 Air Quality, Climate Change, and Renewable Energy 6 Recommendations	\$3,913,000	4.90%
Subd. 08 Methods to Protect or Restore Land, Water, and Habitat 18 Recommendations	\$15,997,000	20.04%
Subd. 09 Land Acquisition, Habitat, and Recreation 15 Recommendations	\$31,241,000	39.13%
Subd. 10 Administration and Contract Agreement Reimbursement 4 Recommendations	\$3,126,000	3.92%
Total Recommendations	\$79,833,000	100.00%

Fund Source	\$ Amount
FY 2024 - Environment and Natural Resources Trust Fund (ENRTF)	\$79,644,000
Great Lakes Protection Account (GLPA)	\$189,000
Total \$	\$79,833,000

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Subd.	Proposal ID	Title	LCCMR Total Recommended Amount (FY24)	Organization	Project Manager	Region*
Subd. 03 Foundational Natural Resource Data and Information (19 Recommendations = \$8,219,000)						
03a	2023-044	Assessing Restorations for Rusty-Patched and Other Bumblebee Habitat	\$75,000	Friends of the Mississippi River	Alex Roth	Metro
03b	2023-066	Removing Barriers to Carbon Market Entry	\$482,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	John Zobel	Statewide
03c	2023-072	Mapping Migratory Bird Pitstops in Minnesota	\$340,000	Audubon Minnesota	Dale Gentry	Statewide
03d	2023-086	Enhancing Knowledge of Minnesota River Fish Ecology	\$199,000	MN DNR, Fish and Wildlife Division	Anthony Sindt	Metro, SE, SW
03e	2023-090	Changing Distribution of Flying Squirrel Species in Minnesota	\$186,000	U of MN, Duluth - NRRI	Michael Joyce	Statewide
03f	2023-092	Statewide Forest Carbon Inventory and Change Mapping	\$987,000	MN DNR, Forestry Division	David Wilson	Statewide
03g	2023-120	Predicting the Future of Aquatic Species by Understanding the Past	\$170,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Lynn Waterhouse	Statewide
03h	2023-139	Assessing Status of Common Tern Populations in Minnesota	\$199,000	U of MN, Duluth - NRRI	Annie Bracey	Statewide
03i	2023-146	Salvaged Wildlife to Inform Environmental Health, Ecology, and Education	\$486,000	U of MN, Bell Museum of Natural History	Sushma Reddy	Statewide
03j	2023-154	Developing Conservation Priorities for Rare and Specialist Bees	\$619,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Daniel Cariveau	Statewide
03k	2023-169	Efficacy of Urban Archery Hunting to Manage Deer	\$393,000	Minnesota State Colleges and Universities, Bemidji State University	Jacob Haus	NW
03l	2023-183	Mapping the Ecology of Urban and Rural Canids	\$601,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	James Forester	Central, Metro
03m	2023-186	Maximizing Lowland Conifer Ecosystem Services - Phase II	\$482,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Marcella Windmuller-Campione	Central, NE, NW
03n	2023-209	Modernizing Minnesota's Wildlife (and Plant!) Action Plan	\$889,000	MN DNR, Ecological and Water Resources Division	Kristin Hall	Statewide
03o	2023-217	Linking Breeding and Migratory Bird Populations in Minnesota	\$199,000	Hawk Ridge Bird Observatory	Emily Pavlovic	Statewide
03p	2023-218	Old Growth Forest Monitoring	\$441,000	MN DNR, Ecological and Water Resources Division	Emily Peters	Statewide

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03q	2023-222	Integrating Remotely Sensed Data with Traditional Forest Inventory	\$191,000	U of MN, Duluth - NRRRI	John Du Plissis	NE
03r	2023-232	Community Response Monitoring for Adaptive Management in Southeast Minnesota	\$483,000	The Nature Conservancy	David Ruff	SE
03s	2023-248	Minnesota Biodiversity Atlas - Phase III	\$797,000	U of MN, Bell Museum of Natural History	George Weiblen	Statewide
		Subtotal =	\$8,219,000			
Subd. 04 Water Resources (13 Recommendations = \$8,328,000)						
04a	2023-004	Ditching Delinquent Ditches: Optimizing Wetland Restoration	\$199,000	U of MN, College of Science and Engineering	Andrew Wickert	Statewide
04b	2023-022	Assessment of Red River Basin Project Outcomes	\$920,000	Red River Basin Flood Damage Reduction Work Group	Andrew Graham	NW
04c	2023-026	Wind Wave and Boating Impacts on Inland Lakes	\$415,000	U of MN, St. Anthony Falls Laboratory	Jeffrey Marr	Statewide
04d	2023-063	Finding, Capturing, and Destroying PFAS in Minnesota Waters	\$478,000	U of MN, College of Science and Engineering	William Arnold	Statewide
04e	2023-074	Sinking and Suspended Microplastic Particles in Lake Superior	\$412,000	U of MN, Duluth - Large Lakes Observatory	Elizabeth Minor	NE
04f	2023-107	Ecotoxicological Impacts of Quinone Outside Inhibitor (QoI) Fungicides	\$279,000	University of St. Thomas	Kristine Wammer	Statewide
04g	2023-129	Brightsdale Dam Channel Restoration	\$1,004,000	Fillmore County Soil and Water Conservation District	Mindy Williamson	SE
04h	2023-134	Mapping Aquifer Recharge Potential	\$391,000	U of MN, St. Anthony Falls Laboratory	Peter Kang	Statewide
04i	2023-137	ALASD's Chloride Source Reduction Pilot Program	\$764,000	Alexandria Lake Area Sanitary District (ALASD)	Scott Gilbertson	Central
04j	2023-215	Removing CECs from Stormwater with Biofiltration	\$641,000	U of MN, St. Anthony Falls Laboratory	Andy Erickson	Metro
04k	2023-237	Didymo II – The North Shore Threat Continues	\$394,000	Science Museum of Minnesota, St. Croix Watershed Research Station	Mark Edlund	NE
04l	2023-238	Leveraging Data Analytics Innovations for Watershed District Planning	\$738,000	Minnehaha Creek Watershed District	Brian Beck	Statewide

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04m	2023-247	Protecting Water in the Central Sands Region of the Mississippi River Headwaters	\$1,693,000	White Earth Band of Minnesota Chippewa Indians	Jamie Konopacky	Central
		Subtotal =	\$8,328,000			
Subd. 05 Environmental Education (8 Recommendations = \$3,905,000)						
05a	2023-008	Fostering Conservation by Connecting Students to the BWCA	\$1,080,000	Friends of the Boundary Waters Wilderness	Alison Nyenhuis	Statewide
05b	2023-051	Statewide Environmental Education via PBS Outdoor Series	\$391,000	Pioneer PBS	Cindy Dorn	Statewide
05c	2023-062	Increasing Diversity in Environmental Careers	\$763,000	MN DNR, Operational Services Division (OSD)	Mimi Daniel	Statewide
05d	2023-167	Reducing Biophobia and Fostering Environmental Stewardship in Underserved Schools	\$180,000	U of MN, Raptor Center	Victoria Hall	Statewide
05e	2023-185	Sharing Minnesota's Biggest Environmental Investment	\$628,000	Science Museum of Minnesota	Joy Hobbs	Statewide
05f	2023-201	North Shore Private Forestry Outreach and Implementation	\$375,000	Sugarloaf The North Shore Stewardship Association	Molly Thompson	NE
05g	2023-223	Teaching Students about Watersheds through Outdoor Science	\$290,000	Minnesota Trout Unlimited	John Lenczewski	Statewide
05h	2023-229	Bioblitz Urban Parks: Engaging Communities in Scientific Efforts	\$198,000	Minneapolis Park and Recreation Board	MaryLynn Pulscher	Metro
		Subtotal =	\$3,905,000			
Subd. 06 Aquatic and Terrestrial Invasive Species (2 Recommendations = \$5,104,000)						
06a	2023-153	Northward Expansion of Ecologically Damaging Amphibians and Reptiles	\$163,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Kenneth Kozak	Statewide
06b	2023-176	Developing Research-Based Solutions to Minnesota's AIS Problems	\$4,941,000	U of MN, MAISRC	Cori Mattke	Statewide
		Subtotal =	\$5,104,000			
Subd. 07 Air Quality, Climate Change, and Renewable Energy (6 Recommendations = \$3,913,000)						
07a	2023-013	Community Forestry AmeriCorps	\$1,500,000	ServeMinnesota	Sharon Delcambre	Statewide
07b	2023-043	Biochar Implementation in Habitat Restoration: A Pilot	\$185,000	Great River Greening	Todd Rexine	Central, Metro, SE

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07c	2023-101	Completing Installment of the Minnesota Ecological Monitoring Network	\$1,094,000	MN DNR, Ecological and Water Resources Division	Holly Bernado	Statewide
07d	2023-152	Lichens as Low-Cost Air Quality Monitors in Minnesota	\$341,000	U of MN, College of Biological Sciences	Natalia Mossmann Koch	Statewide
07e	2023-171	Environment-Friendly Decarbonizing of Steel Production with Hydrogen Plasma	\$739,000	U of MN, College of Science and Engineering	Uwe Kortshagen	Statewide
07f	2023-240	Economic Analysis Guide for Minnesota Climate Investments	\$54,000	Minnesota Pollution Control Agency	David Bael	Statewide
		Subtotal =	\$3,913,000			
Subd. 08 Methods to Protect or Restore Land, Water, and Habitat (18 Recommendations = \$15,997,000)						
08a	2023-006	Minnesota Bee and Beneficial Species Habitat Enhancement II	\$876,000	Pheasants Forever Inc	Sabin Adams	Statewide
08b	2023-010	Karner Blue Butterfly Insurance Population Establishment in Minnesota	\$405,000	Three Rivers Park District	John Moriarty	Metro
08c	2023-025	Root River Habitat Restoration at Eagle Bluff	\$866,000	Eagle Bluff Environmental Learning Center	Colleen Foehrenbacher	SE
08d	2023-060	Restoring Mussels in Streams and Lakes - Continuation	\$825,000	MN DNR, Ecological and Water Resources Division	Madeline Pletta	Statewide
08e	2023-061	Minnesota Million: Seedlings for Reforestation and CO2 Sequestration	\$906,000	U of MN, Duluth	Julie Etterson	Statewide
08f	2023-080	Panoway on Wayzata Bay Shoreline Restoration Project	\$200,000	City of Wayzata	Nick Kieser	Metro
08g	2023-105	Pollinator Central III: Habitat Improvement with Community Monitoring	\$190,000	Great River Greening	Rebecca Tucker	Metro
08h	2023-117	Restoring Forests and Savannas Using Silvopasture - Phase II	\$674,000	Great River Greening	Brad Gordon	Statewide
08i	2023-135	Minnesota Community Schoolyards	\$1,433,000	The Trust for Public Land	Eric Weiss	Statewide
08j	2023-136	Pollinator Enhancement and Mississippi River Shoreline Restoration	\$187,000	Department of Military Affairs	Josh Pennington	Central
08k	2023-142	Conservation Cooperative for Working Lands	\$2,611,000	Pheasants Forever Inc	Tanner Bruse	Statewide
08l	2023-177	Quantifying Environmental Benefits of Peatland Restoration in Minnesota	\$754,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Christian Lenhart	NE, NW

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08m	2023-181	Renewing Access to an Iconic North Shore Vista	\$197,000	Superior Hiking Trail Association	Lisa Luukkala	NE
08n	2023-189	Addressing Erosion Along High Use River Loops	\$368,000	Superior Hiking Trail Association	Lisa Luukkala	NE
08o	2023-211	Pollinator Habitat Creation at Minnesota Closed Landfills	\$1,508,000	Minnesota Pollution Control Agency	Eric Pederson	Statewide
08p	2023-212	Enhancing Habitat Connectivity within the Urban Mississippi Flyway	\$190,000	Minneapolis Park and Recreation Board	Adam Arvidson	Metro
08q	2023-219	Statewide Diversion of Furniture and Mattress Waste Pilots	\$2,833,000	EMERGE Community Development	Shawn Dolan	Statewide
08r	2023-250	Phelps Mill Wetland and Prairie Restoration	\$974,000	Otter Tail County	Nicholas Leonard	Central
		Subtotal =	\$15,997,000			
Subd. 09 Land Acquisition, Habitat, and Recreation (15 Recommendations = \$31,241,000)						
09a	2023-028	SNA Stewardship, Outreach, and Biodiversity Protection	\$1,919,000	MN DNR, Ecological and Water Resources Division	Jan Shaw Wolff	Statewide
09b	2023-032	Wannigan Regional Park Land Acquisition	\$727,000	City of Frazee	Denise Anderson	NW
09c	2023-039	Local Parks, Trails, and Natural Areas Grant Programs	\$3,802,000	MN DNR, Grants Unit	Audrey Mularie	Statewide
09d	2023-064	Outreach and Stewardship Through the Native Prairie Bank Program	\$620,000	MN DNR, Ecological and Water Resources Division	Judy Schulte	Central, NW, SW
09e	2023-081	Minnesota State Trails Development	\$4,952,000	MN DNR, State Parks and Trails Division	Kent Skaar	Statewide
09f	2023-091	Construction of East Park	\$700,000	City of St. Joseph	Nate Keller	Central
09g	2023-110	Scandia Gateway Trail to William O'Brien State Park	\$2,689,000	City of Scandia	Kenneth Cammilleri	Metro
09h	2023-147	Grand Marais Mountain Bike Trail Rehabilitation - Phase II	\$200,000	Superior Cycling Association	Paul Nordlund	NE
09i	2023-148	Acquisition of State Parks and Trails Inholdings	\$5,425,000	MN DNR, State Parks and Trails Division	Kent Skaar	Statewide
09j	2023-172	St. Louis River Re-Connect - Phase II	\$1,375,000	City of Duluth	Cliff Knettel	NE

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09k	2023-207	City of Biwabik Recreation	\$1,306,000	City of Biwabik	Jeff Jacobson	NE
09l	2023-210	Silver Bay Multimodal Trailhead Project	\$1,970,000	City of Silver Bay	Lana Fralich	NE
09m	2023-213	Above the Falls Regional Park Acquisition and Restoration	\$1,376,000	Minneapolis Park and Recreation Board	Adam Arvidson	Metro
09n	2023-231	Redhead Mountain Bike Park	\$1,666,000	Minnesota Discovery Center	Donna Johnson	NE
09o	2023-249	Maplewood State Park Trail Segment of the Perham to Pelican Rapids Regional Trail	\$2,514,000	Otter Tail County	Nicholas Leonard	Central
		Subtotal =	\$31,241,000			
Subd. 10 Administration and Contract Agreement Reimbursement (4 Recommendations = \$3,126,000)						
10a	2023-001	LCCMR Administrative Budget	\$2,000,000	Legislative-Citizen Commission on Minnesota Resources	Becca Nash	Statewide
10b	2023-002	Emerging Issues	\$900,000	Legislative-Citizen Commission on Minnesota Resources	Becca Nash	Statewide
10c	2023-073	Contract Agreement Reimbursement	\$224,000	MN DNR, Grants Unit	Katherine Sherman-Hoehn	Statewide
10d	2023-255	Legislative Coordinating Commission Legacy Website	\$2,000	Legislative Coordinating Commission	Sally Olson	Statewide
		Subtotal =	\$3,126,000			
		Total =	\$79,833,000			

* Metro region includes the 11 counties of Anoka, Carver, Chisago, Dakota, Hennepin, Isanti, Ramsey, Scott, Sherburne, Washington, and Wright.