M.L. 2025 Environment and Natural Resources Trust Fund (ENRTF) LCCMR Recommendations for FY 2026

As of July 31, 2024, the Legislative-Citizen Commission on Minnesota Resources (LCCMR) has selected 124 projects totaling \$103,326,000 to recommend to the 2025 Minnesota Legislature for funding from the Environment and Natural Resources Trust Fund (ENRTF). In response to LCCMR's 2025 Request for Proposal (RFP), 214 proposals requesting a total of approximately \$183 million were received and considered through a competitive, multi-stage evaluation. The following 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 36 Recommendations	\$22,084,000	21.37%
Subd. 04 Water Resources 23 Recommendations	\$11,812,000	11.43%
Subd. 05 Environmental Education 19 Recommendations	\$11,965,000	11.58%
Subd. 06 Aquatic and Terrestrial Invasive Species 2 Recommendations	\$6,713,000	6.50%
Subd. 07 Air Quality, Climate Change, and Renewable Energy 7 Recommendations	\$11,744,000	11.37%
Subd. 08 Methods to Protect or Restore Land, Water, and Habitat 19 Recommendations	\$12,188,000	11.80%
Subd. 09 Land Acquisition, Habitat, and Recreation 14 Recommendations	\$19,553,000	18.92%
Subd. 10 Administration, Emerging Issues, and Contract Agreement Reimbursement 4 Recommendations	\$7,267,000	7.03%
Total Recommendations	\$103,326,000	100.00%

Fund Source		\$ Amount
FY 2026 - Environment and Natural Resources Trust Fund (ENRTF)		\$103,326,000
	Total \$	\$103,326,000

			LCCMR Total			
Subd.	Proposal ID	Title	Recommended Amount (FY26)	Organization	Project Manager	Region*
	•	Natural Resource Data and Information (36 Recommenda		•		
03a	2025-009	Fond du Lac Deer Study - Phase 1		Minnesota State Colleges and Universities, Bemidji	Jacob Haus	NE
034	2023 003	Total da Ede Deel Stady Thase I	71,111,000	State University	34600 11443	142
03b	2025-046	Are All Walleye Created Equal? Probably Not.	\$298,000	U of MN, College of Food, Agricultural and Natural	Nicholas Phelps	Statewide
				Resource Sciences		
03c	2025-053	Deer Survival Within Minnesota's Densest Wolf Population	\$809,000	U of MN, College of Food, Agricultural and Natural	Joseph Bump	Central, NE, NW
				Resource Sciences		
03d	2025-063	Evaluating Anticoagulant Rodenticide Exposure in Minnesota's Carnivores	\$247,000	U of MN, Duluth - NRRI	Michael Joyce	Statewide
03e	2025-070	Digitizing the Science Museum of Minnesota's Mollusk	\$386,000	Science Museum of Minnesota	Catherine Early	Statewide
		Specimens				
03f	2025-075	Integrating Wildlife Objectives in Long-Term Forest	\$316,000	U of MN, College of Food, Agricultural and Natural	Irene De Pellegrin	Statewide
		Management Planning		Resource Sciences	Llorente	
03g	2025-092	Surveying Minnesota's Secretive Marsh Birds	\$413,000	Audubon Minnesota	Dale Gentry	Statewide
03h	2025-093	Improving Conservation Outcomes for Imperiled Wood Turtles	\$242,000	Minnesota Zoological Garden	Tricia Markle	Statewide
03i	2025-111	Maximizing the Impact of Wildlife Movement Data	\$216,000	U of MN, College of Food, Agricultural and Natural	John Fieberg	Statewide
				Resource Sciences		
03j	2025-113	Expanding the Statewide Motus Wildlife Tracking Network	\$234,000	Minnesota Zoological Garden	Mary Mallinger	Statewide
03k	2025-115	Updating and Sharing Information on Minnesota's Tick	\$186,000	U of MN, College of Food, Agricultural and Natural	Benjamin Cull	Statewide
		Biodiversity	4	Resource Sciences		
031	2025-123	Small-Mammals and Hunter Participation: Expanded Offal Wildlife Watching	\$563,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Joseph Bump	Statewide
03m	2025-127	Green Heron as an Indicator of Wetland-Dependent Species	\$424,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Elena West	Statewide
03n	2025-130	Visualizing Minnesota's Natural Resources with CT-Scanning	\$955,000	U of MN, Bell Museum of Natural History	Kassandra Ford	Central, Metro,
						NE, NW, SE, SW
030	2025-151	Mapping Human-Carnivore Conflicts in Human-Dominated Landscapes	\$563,000	U of MN, Duluth - NRRI	Michael Joyce	NE, NW
03p	2025-160	Geologic Atlases for Water Resource Management	\$1,260,000	U of MN, MN Geological Survey	Barbara Lusardi	Statewide
03q	2025-178	Leveraging Statewide Datasets for Native Rough Fish	\$250,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Grant Vagle	Statewide
03r	2025-180	The Impacts of Climate Change on Northeastern Minnesota	\$772,000	Friends of the Boundary Waters Wilderness	Chris Knopf	NE
03s	2025-188	Health and Disease Monitoring in Minnesota Wildlife	\$750,000	U of MN, Minnesota Veterinary Diagnostic Laboratory	Arno Wuenschmann	Statewide
03t	2025-215	Affordable Statewide Tracking of Forestry Fragmentation and Degradation	\$331,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Rui Cheng	Statewide
03u	2025-217	Safeguarding Bees While Monitoring Pollinators and Nesting Habitats	\$590,000	U of MN, College of Biological Sciences	Colleen Satyshur	Statewide

			LCCMR Total			
Cb.d	Duamanal ID	Title	Recommended	Ouranization	Duniant Manager	Danian*
Subd. 03v	Proposal ID 2025-222	Expanding the Application of Minnesota's Wetland Monitoring	Amount (FY26)	Organization MN DNR, Ecological and Water Resources Division	Project Manager Amy Kendig	Region* Statewide
031	2023 222	Data	7312,000	With Birth, Leological and Water Resources Birtiston	Airly Keridig	Statewide
03w	2025-239	Enhancing the Value of Minnesota Public Grasslands	\$390,000	U of MN, College of Food, Agricultural and Natural	Eric Mousel	Statewide
				Resource Sciences		
03x	2025-241	Foundational Precision Agriculture Data to Reduce Environmental Impacts	\$1,255,000	U of MN, WCROC	Joel Tallaksen	Statewide
03y	2025-244	Continued Aggregate Resource Mapping	\$621,000	MN DNR, Lands and Minerals Division	Heather Arends	Statewide
03z	2025-247	Advancing Collaborative Wild Rice Monitoring Program Technologies	\$900,000	MN DNR, Ecological and Water Resources Division	Josh Knopik	Statewide
03aa	2025-250	Conserving Natural Resources by Advancing Forever Green Agriculture	\$2,146,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Mitchell Hunter	Statewide
03bb	2025-260	Minnesota's Priority Native Rough Fish: Gars and Bowfin	\$568,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Solomon David	Statewide
03cc	2025-280	Understanding to Improve Minnesota's Future Lake Water Quality	\$595,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Leif Olmanson	Statewide
03dd	2025-294	Operationalizing State Zooplankton Data to Support Lake Health	\$423,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Jake Walsh	Statewide
03ee	2025-295	Trialing Climate-Ready Woodland Trees in Urban Areas	\$255,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Alicia Coleman	Statewide
03ff	2025-304	Superior Shores: Protecting Our Great Lakes Coastal Habitats	\$675,000	Science Museum of Minnesota, St. Croix Watershed Research Station	Hailey Sauer	Statewide
03gg	2025-309	Recruitment and Fecundity of Minnesota Moose	\$2,007,000	MN DNR, Fish and Wildlife Division	Michelle Carstensen	Statewide
03hh	2025-311	Fighting Insect Decline: Minnesota Bumblebees to the Rescue	\$249,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Cristian Beza Beza	Statewide
03ii	2025-312	Trace Metals in Municipal Yard Waste and Compost	\$120,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Lucy Rose	Metro
03jj	2025-323	Chronic Wasting Disease Prions in Minnesota Waters	\$322,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Diana Karwan	Statewide
		SubTotal	\$22,084,000			
Subd. 04 V	Vater Resour	ces (23 Recommendations = \$11,812,000)				
04a		Enhancing Our Resources-Rural Health and Drinking Water	\$994,000	Freshwater Society	Jeffrey Broberg	Statewide
04b	2025-025	Restoration and Outreach for Minnesota's Native Mussels	\$1,258,000	MN DNR, Ecological and Water Resources Division	Kathryn Holcomb	Statewide
04c	2025-059	Pristine to Green: Toxic Blooms Threaten Northern Lakes	\$1,362,000	Science Museum of Minnesota, St. Croix Watershed Research Station	Lienne Sethna	Central, Metro, NE, NW
04d	2025-064	Training Lake Communities to Track Chloride and Algae	\$274,000	U of MN, Duluth - Sea Grant	Hilarie Sorensen	Statewide
04e	2025-077	Clean Sweep Solution to Nonpoint Source Pollution	\$386,000	U of MN, Water Resources Center	Maggie Karschnia	Statewide

Subd.	Proposal ID	Title	LCCMR Total Recommended Amount (FY26)	Organization	Project Manager	Region*
04f	2025-084	Cyanotoxins in Minnesota Lakes: The Role of Sunlight		U of MN, College of Science and Engineering	William Arnold	Statewide
04g	2025-087	Enhancing Degradation of Emerging Contaminants via Microbial Starvation	\$390,000	U of MN, College of Science and Engineering	Paige Novak	Statewide
04h	2025-107	Soil Health Management for Water Storage	\$454,000	U of MN, Water Resources Center	Marcelle Lewandowski	Statewide
04i	2025-110	Predicting Contaminant Movement in Minnesota's Fractured Aquifers	\$650,000	U of MN, St. Anthony Falls Laboratory	Peter Kang	Statewide
04j	2025-112	Documentation and Toxicity of Microplastics in Urban Ecosystems	\$300,000	U of MN, College of Biological Sciences	Lea Pollack	Statewide
04k	2025-136	Terminating PFAS-Type Pesticides via Enzyme Cocktails	\$297,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Hua Zhao	Statewide
041	2025-144	Addressing 21st Century Challenges for the St. Croix	\$243,000	Science Museum of Minnesota, St. Croix Watershed Research Station	Jason Ulrich	Central, Metro
04m	2025-150	Impact of Statewide Conservation Practices on Stream Biodiversity	\$300,000	U of MN, College of Biological Sciences	Christine Dolph	Statewide
04n	2025-169	Modeling the Future Mississippi River Gorge	\$427,000	U of MN, St. Anthony Falls Laboratory	Jeffrey Marr	Metro
040	2025-181	Highly Efficient Nutrient Removal Technology for Agricultural Drainage	\$453,000	U of MN, College of Biological Sciences	Satoshi Ishii	Statewide
04p	2025-191	Citizen Scientists Capture Microplastic Pollution Around State	\$419,000	U of MN, Duluth	Melissa Maurer-Jones	Statewide
04q	2025-193	Healthy Native Prairie Microbiomes for Cleaner Water	\$468,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Brett Barney	Statewide
04r	2025-211	Wastewater Chloride Reduction through Industrial Source Reduction Assistance	\$247,000	U of MN, School of Public Health	Kelsey Klucas	Statewide
04s	2025-233	Pilot Water Budget Framework for Managing Water Withdrawals	\$198,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	John Nieber	Statewide
04t	2025-258	Biofilm Mediated Destruction of PFAS in Groundwater	\$1,336,000	Bay West LLC	Keith Rapp	Statewide
04u	2025-265	Impact of Microplastics on Wastewater Treatment in Minnesota	\$506,000	U of MN, College of Science and Engineering	Sebastian Behrens	Statewide
04v	2025-275	Portable Arsenic and Nitrate Detector for Well Water	\$358,000	U of MN, College of Science and Engineering	Tianhong Cui	Statewide
04w	2025-278	Recovering Salts from Highly Saline Wastewater	\$272,000	U of MN, College of Science and Engineering	Natasha Wright	Statewide
		SubTotal	\$11,812,000			
Subd. 05 E	1	Education (19 Recommendations = \$11,965,000)				
05a	2025-012	Eagle's Nest: Where the World Becomes Your Classroom	\$130,000	Glacial Hills Elementary School	Jodee Lund	Central
05b	2025-016	Advancing Equity in Environmental Education	\$700,000	Camp Fire Minnesota	Sara Lemke	Statewide

Subd.	Proposal ID	Title	LCCMR Total Recommended Amount (FY26)	Organization	Project Manager	Region*
05c	2025-019	Teacher Field School - Phase 2: Increasing Impact	\$712,000	Hamline University	Patty Born	Statewide
05d	2025-034	Creating Future Leaders in Outdoor and Environmental Leadership	\$330,000	North Hennepin Community College	Ana Munro	Statewide
05e	2025-054	Engaging our Diverse Public in Environmental Stewardship - Phase 2	\$249,000	Great River Greening	Brennan Blue	Central, Metro, SI SW
05f	2025-065	Outdoor School for Minnesota K-12 Students	\$3,992,000	Osprey Wilds Environmental Learning Center	Bryan Wood	Statewide
05g	2025-073	Statewide Environmental Education via PBS Outdoor Series	\$415,000	Pioneer PBS	Cindy Dorn	Statewide
05h	2025-103	Maajii-akii-gikenjigewin Conservation Crew Program	\$678,000	Conservation Corps Minnesota	Brian Miller	NE
05i	2025-120	Reuse for the Future: Youth Education and Engagement	\$225,000	Reuse Minnesota	Emily Barker	Statewide
05j	2025-125	River Bend Nature Center Outdoor Diversity Initiative	\$247,000	River Bend Nature Center	Brad Bourn	SE
05k	2025-134	Camp Parsons Mississippi Summer	\$225,000	Phyllis Wheatley Community Center	Katy Nelson	Metro
051	2025-135	Adult Outdoor Education for Minnesota's Underrepresented Communities	\$247,000	Baztec Fishing & Outdoors	Ray Ruiz	Central, Metro
05m	2025-143	Minnesota's Roadmap for Sustainability and Climate Education	\$491,000	Climate Generation	Lindsey Kirkland	Statewide
05n	2025-149	ESTEP 2.0: Earth Science Teacher Education Project	\$643,000	Minnesota Science Teachers Association	Lee Schmitt	Statewide
050	2025-198	Engaging Latine Communities in Conservation and Preservation	\$400,000	Comunidades Organizando el Poder y la Accion Latina (COPAL)	Carolina Ortiz	Statewide
05р	2025-212	Inclusive Wildlife Engagement in Classrooms and Communities	\$712,000	MN DNR, Ecological and Water Resources Division	Jessica Ruthenberg	Statewide
05q	2025-254	Activating Youth and Family Environmental Stewardship through Raptors	\$228,000	U of MN, Raptor Center	Lori Arent	Statewide
05r	2025-296	Moving Minnesota towards a Lead-Free Sporting Future	\$250,000	Minnesota State Colleges and Universities, Bemidji State University	Brian Hiller	Statewide
05s	2025-301	Science Centers Supporting Northern Boys and Girls Clubs	\$1,091,000	Headwaters Science Center	Lee Furuseth	NW
		SubTotal	\$11,965,000			
ubd. 06 A	Aquatic and To	errestrial Invasive Species (2 Recommendations = \$6,713)	,000)			
06a	2025-126	Aquatic Invasive Species: From Problems to Real-World Solutions	\$5,771,000	U of MN, MAISRC	Cori Mattke	Statewide
06b	2025-196	Optimizing Non-Native Cattail Treatment Effectiveness in Prairie Wetlands	\$942,000	MN DNR, Fish and Wildlife Division	Megan Fitzpatrick	Central, NW, SW
	1	SubTotal	\$6,713,000		<u> </u>	

Subd.	Proposal ID	Title	LCCMR Total Recommended Amount (FY26)	Organization	Project Manager	Region*
07a	2025-049	Protecting Coldwater Fish Habitat in Minnesota Lakes	\$561,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Gretchen Hansen	Statewide
07b	2025-078	Agrivoltaics 2.0 Building a Resilient E-Farm	\$535,000	U of MN, WCROC	Bradley Heins	Statewide
07c	2025-080	Pine Needles Reveal Past and Present Airborne PFAS	\$550,000	Minnesota Pollution Control Agency	Summer Streets	Statewide
07d	2025-257	Facilitated Transport Hybrid Membranes for CO2 Separation	\$1,050,000	U of MN, College of Science and Engineering	Jun Li	Statewide
07e	2025-290	Renewable Energy Conversion for Farm Diesel and Ammonia	\$726,000	U of MN, College of Science and Engineering	Paul Dauenhauer	Statewide
07f	2025-306	Innovative Solution to Renewable Energy from Food Waste	\$5,167,000	Ramsey/Washington Recycling & Energy Board	Matt Phillips	Statewide
07g	2025-313	Fueling the Future: Decarbonizing Regional Transportation Project	\$3,155,000	City of St. Cloud	Tracy Hodel	Statewide
		SubTotal	\$11,744,000			
Subd. 08 N	lethods to Pi	otect or Restore Land, Water, and Habitat (19 Recomme	ndations = \$12,188	000)		
08a	2025-007	Minnesota PlantWatch: Community Scientists Conserving Rare Plants	\$1,086,000	U of MN, Landscape Arboretum	David Remucal	Statewide
08b	2025-030	Grassland Restoration for Pollinator Conservation and Demonstration	\$250,000	U of MN, Landscape Arboretum	Brandon Miller	Statewide
08c	2025-066	Planning for Long-Term Natural Resources Protection, Hennepin County	\$250,000	Hennepin County	Kristine Maurer	Metro
08d	2025-069	Native Forages: Growing Drought and Climate Resiliency	\$2,254,000	Ducks Unlimited Inc	Sabrina Claeys	Central, NW
08e	2025-097	Accelerated Genetic Migration of Bur Oak- 10yr Data	\$223,000	Great River Greening	Wiley Buck	Metro
08f	2025-116	SHT Bridge, Boardwalk and Trailhead Renewal	\$532,000	Superior Hiking Trail Association	Lisa Luokkala	Statewide
08g	2025-118	Mississippi Gateway Shoreline Stabilization and Fishing Improvements	\$735,000	Three Rivers Park District	Brian Vlach	Metro
08h	2025-152	Phytoremediation of PFAS from Soil	\$1,066,000	U of MN, College of Biological Sciences	Michael Smanski	Statewide
08i	2025-154	Removing Mercury from Minnesota Waters	\$247,000	U of MN, College of Biological Sciences	Michael Smanski	Statewide
08j	2025-176	Evaluating Native Seed Mixes for Grazing	\$208,000	Restoravore	Joshua Lallaman	Statewide
08k	2025-219	Improving Minnesota Forest Health via Post-Duff-Burning Soil Analysis	\$646,000	U of MN, College of Science and Engineering	Sayan Biswas	Statewide
081	2025-228	Minnesota Riverbank Protection and Parks Improvements	\$1,400,000	City of Shakopee	Alex Jordan	Metro
08m	2025-232	Restoration at Wakan Tipi and Bruce Vento Nature Sanctuary	\$669,000	Lower Phalen Creek Project	Gabriele Menomin	Metro

Subd.	Proposal ID	Title	LCCMR Total Recommended Amount (FY26)	Organization	Project Manager	Region*
08n	2025-266	Promoting Pollinators on Corporate Campuses	\$547,000	University of St. Thomas	Adam Kay	Statewide
080	2025-270	A Riparian Area Adaptation Strategy for Southeast Minnesota	\$243,000	The Nature Conservancy	Christian Lenhart	Statewide
08p	2025-282	Minnehaha Park South Plateau Oak Savanna Restoration	\$242,000	Minneapolis Park and Recreation Board	Adam Arvidson	Metro
08q	2025-283	Tree Protection for Minnesota's Tamarack Against Larch Beetle	\$321,000	U of MN, College of Food, Agricultural and Natural Resource Sciences	Brian Aukema	Central, NE, NW
08r	2025-288	Shoreline Restoration and Enhancement at Minneapolis Lakes	\$819,000	Minneapolis Park and Recreation Board	Adam Arvidson	Metro
08s	2025-317	Developing Markets for CLC Crops	\$450,000	Minnesota Department of Agriculture	Margaret Wagner	Statewide
		SubTotal	\$12,188,000			
Subd. 09 L	and Acquisition	on, Habitat, and Recreation (14 Recommendations = \$19,	553,000)			
09a	2025-055	Cannon River Preservation and Access	\$2,717,000	Dakota County	Lisa West	Metro
09b	2025-081	Mesabi Trail Aurora to Hoyt Lakes	\$1,325,000	St. Louis & Lake Counties Regional Railroad Authority	Sarah Ciochetto	NE
09c	2025-114	RTA Maintenance Trail Stabilization Project	\$500,000	City of Eden Prairie	Karli Wittner	Statewide
09d	2025-122	Local Parks, Trails, and Natural Areas Grant Programs	\$4,769,000	MN DNR, State Parks and Trails Division	Jenni Bubke	Statewide
09e	2025-173	Boardwalk Over Boggy Land for Recreational Purposes	\$148,000	City of Battle Lake	Val Martin	NW
09f	2025-182	Lake Zumbro Park Water Access and Site Improvements	\$1,978,000	Olmsted County	Karlin Ziegler	SE
09g	2025-197	Scientific and Natural Area (SNA) Biodiversity Protection	\$1,104,000	MN DNR, Ecological and Water Resources Division	Judy Elbert	Statewide
09h	2025-201	Scandia Gateway Trail Connection: Recreation, Wetlands, Environmental Education	\$907,000	City of Scandia	Kyle Morell	Metro
09i	2025-213	Lake Byllesby Regional Park Restoration and Recreation	\$1,120,000	Dakota County	Niki Geisler	Metro
09j	2025-216	Thompson County Park Restoration and Accessibility Improvements	\$867,000	Dakota County	Niki Geisler	Metro
09k	2025-236	Thom Storm Chalet and Outdoor Recreation Center	\$2,312,000	City of Duluth	Katie Bennett	NE
091	2025-268	Enhancing Preservation and Accessibility at Hawk Ridge Nature Reserve	\$155,000	City of Duluth	Katie Bennett	Statewide
09m	2025-293	Echo Bay County Park - Phase 1 Construction	\$1,122,000	Otter Tail County	Kevin Fellbaum	Central
09n	2025-319	Chaska Big Woods Property Acquisition	\$529,000	City of Chaska	Ashley Cauley	Metro

Subd.	Proposal ID	Title	LCCMR Total Recommended Amount (FY26)	Organization	Project Manager	Region*
		SubTotal	\$19,553,000			
Subd. 10 Ad	dministration	n, Emerging Issues, and Contract Agreement Reimburseme	ent (4 Recommend	ations = \$7,267,000)		
10a	2025-001	Emerging Issues Account 2025	\$2,984,000	Legislative-Citizen Commission on Minnesota Resources	Becca Nash	Statewide
10b	2025-166	2025 Contract Agreement Reimbursement	\$280,000	MN DNR, Grants Unit	Katherine Sherman- Hoehn	Statewide
10c	2025-321	LCCMR Administrative Budget	\$4,000,000	Legislative-Citizen Commission on Minnesota Resources	Becca Nash	Statewide
10d	2025-322	Legislative Coordinating Commission Legacy Website	\$3,000	Legislative Coordinating Commission	Becca Nash	Statewide
		SubTotal	\$7,267,000			
		Total	\$103,326,000			

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