

V. Recommendations

“to the extent known by the commission, descriptions of the projects anticipated to be supported by the trust fund during the next biennium;”

There is \$79,644,000 available for expenditure in each year of the FY24-25 biennium from the ENRTF (for a biennial total of \$159,288,000). The amount available for expenditure is determined by the Minnesota Constitution, which states: “The amount appropriated each year of a biennium....may be up to 5.5% of the market value of the fund on June 30 one year before the start of the biennium”. The value of the ENRTF on June 30, 2022 was \$1,448,074,000.

The LCCMR is making a funding recommendation to the 2023 Legislature totaling \$79,833,000 (FY24) which includes \$79,644,000 from the ENRTF and \$189,000 from the Great Lakes Protection Account (GLPA). \$79,644,000 (FY25) would be available for recommendation by the LCCMR to the 2024 Legislature. As stated in M.S. 116P, the LCCMR may make an annual or a biennial funding recommendation.

The list of FY24 recommended appropriations totaling \$79,833,000 from the ENRTF and GLPA is provided in “Section V. Recommendations.” The projects and funding levels were adopted by the LCCMR on August 30, 2022. The proposed legislative bill language is pending review by LCCMR at our upcoming meeting in January.

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

Process for M.L. 2023

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).

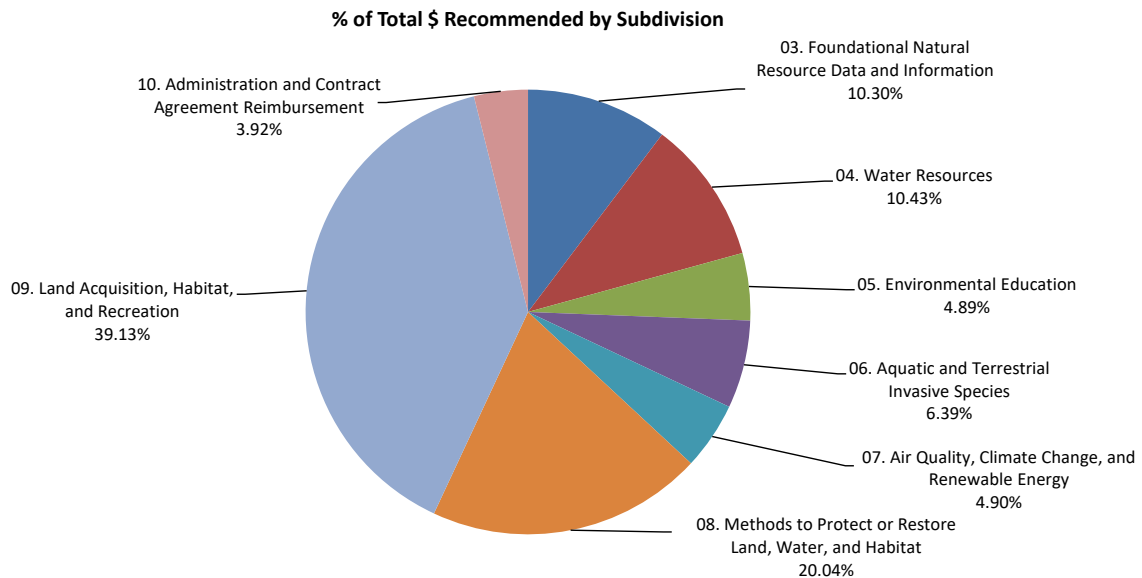
As of August 30, 2022, the Legislative-Citizen Commission on Minnesota Resources (LCCMR) has selected 85 projects totaling \$79,833,000 to recommend to the 2023 Minnesota Legislature for funding from the ENRTF and the GLPA. The recommendations are a result of the LCCMR’s 2023 Request for Proposal (RFP) 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.

Check the LCCMR schedule for the most up-to-date information and important process dates.

March 25, 2022	RFP Issued
May 26, 2022	RFP Proposal Deadline (174 proposals received totaling ~\$164 million)
July 25, 2022	Selection of Proposals for Further Consideration and Presentations
August 8-10 & 16-17, 2022	Proposal Presentations
August 30, 2022	Allocation and Recommendations
September - November, 2022	Recommended Projects Undergo Work Plan Development; Research Projects Undergo Peer Review
December 8 & 20, 2022	Appropriation Language Review and Adoption

Summary of Recommendations by Subdivision

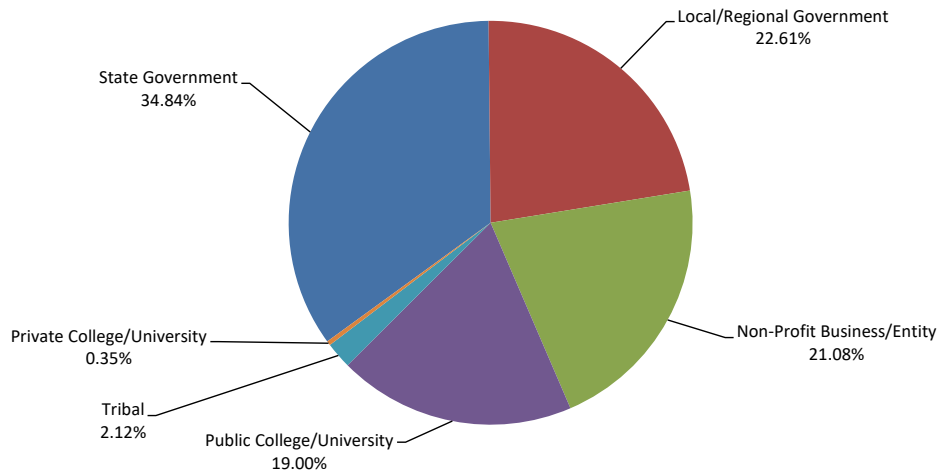
Subdivision	\$ Recommended	\$ Percent	# Recommended	# Percent
03. Foundational Natural Resource Data and Information	\$8,219,000	10.30%	19	22.35%
04. Water Resources	\$8,328,000	10.43%	13	15.29%
05. Environmental Education	\$3,905,000	4.89%	8	9.41%
06. Aquatic and Terrestrial Invasive Species	\$5,104,000	6.39%	2	2.35%
07. Air Quality, Climate Change, and Renewable Energy	\$3,913,000	4.90%	6	7.06%
08. Methods to Protect or Restore Land, Water, and Habitat	\$15,997,000	20.04%	18	21.18%
09. Land Acquisition, Habitat, and Recreation	\$31,241,000	39.13%	15	17.65%
10. Administration and Contract Agreement Reimbursement	\$3,126,000	3.92%	4	4.71%
Total	\$79,833,000	100.00%	85	100.00%



Summary of Recommendations by Proposer Affiliation

Affiliation Type	\$ Recommended	\$ Percent	# Recommended	# Percent
State Government	\$27,813,000	34.84%	21	24.71%
Local/Regional Government	\$18,050,000	22.61%	17	20.00%
Non-Profit Business/Entity	\$16,832,000	21.08%	21	24.71%
Public College/University	\$15,166,000	19.00%	24	28.24%
Tribal	\$1,693,000	2.12%	1	1.18%
Private College/University	\$279,000	0.35%	1	1.18%
Total	\$79,833,000	100.00%	85	100.00%

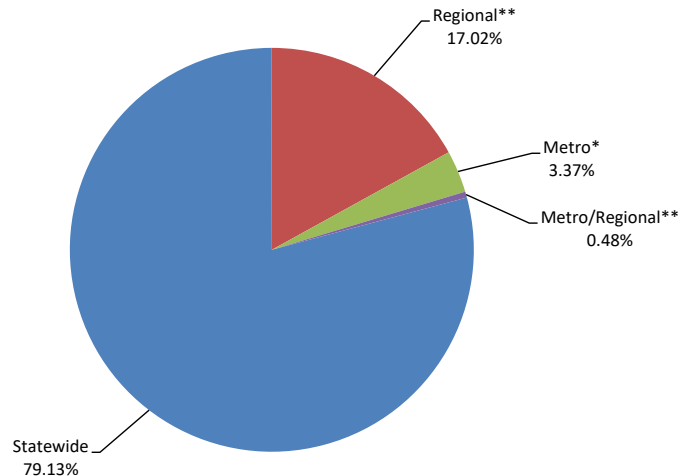
% of Total \$ Recommendations by Proposer Affiliation



Summary of Recommendations by Area of Impact

Areas of Impact	\$ Recommended	\$ Percent	# Recommended	# Percent
Statewide	\$63,170,000	79.13%	62	72.94%
Regional**	\$13,587,000	17.02%	16	18.82%
Metro*	\$2,692,000	3.37%	5	5.88%
Metro/Regional**	\$384,000	0.48%	2	2.35%
Total	\$79,833,000	100.00%	85	100.00%

% of Total \$ Recommended by Area of Impact



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

** "Regional" means area of impact is less than "Statewide" but includes one or more regions of the state ("Northwest", "Northeast", "Central", "Southwest", or "Southeast") other than the 11-county "Metro" region.

**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, Emerging Issues, 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

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

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

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LCCMR Recommendations for FY 2024**

Subd.	Proposal ID	Title	LCCMR Total Recommended Amount (FY24)	Organization	Project Manager	Region*
03p	2023-218	Old Growth Forest Monitoring	\$441,000	MN DNR, Ecological and Water Resources Division	Emily Peters	Statewide
03q	2023-222	Integrating Remotely Sensed Data with Traditional Forest Inventory	\$191,000	U of MN, Duluth - NRRI	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

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

Subd.	Proposal ID	Title	LCCMR Total Recommended Amount (FY24)	Organization	Project Manager	Region*
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
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			

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LCCMR Recommendations for FY 2024**

Subd.	Proposal ID	Title	LCCMR Total Recommended Amount (FY24)	Organization	Project Manager	Region*
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
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

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LCCMR Recommendations for FY 2024**

Subd.	Proposal ID	Title	LCCMR Total Recommended Amount (FY24)	Organization	Project Manager	Region*
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
08m	2023-181	Renewing Access to an Iconic North Shore Vista	\$197,000	Superior Hiking Trail Association	Lisa Luokkala	NE
08n	2023-189	Addressing Erosion Along High Use River Loops	\$368,000	Superior Hiking Trail Association	Lisa Luokkala	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	Judy Schulte	Statewide
09b	2023-032	Wannigan Regional Park Land Acquisition	\$727,000	City of Frazee	Stephanie Poegel	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

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LCCMR Recommendations for FY 2024**

Subd.	Proposal ID	Title	LCCMR Total Recommended Amount (FY24)	Organization	Project Manager	Region*
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
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 Restoration Planning and Acquisition	\$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, Emerging Issues, 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			

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LCCMR Recommendations for FY 2024**

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**Appropriation
Language -FY24
Pending**