

**M.L. 2021 Environment and Natural Resources Trust Fund (ENRTF)
LCCMR Appropriations for RFP 2020/FY 2021**

On June 25, 2021, the Legislature adopted 77 LCCMR recommendations as tentatively recommended in 2020, provided additional funds to one tentative recommendation, reduced funds for one tentative recommendation, and modified one other. They also added 8 additional appropriations, primarily using unspent funds from prior appropriations that would otherwise return to the Trust Fund, totaling \$3,648,000. On June 29, 2021, 85 appropriations were signed into law by the Governor as M.L. 2021, First Special Session, Chapter 6, Article 5, with \$61,387,000 from FY21 and \$3,932,000 recaptured from prior fiscal years, for \$65,319,000 total appropriations.

Topic Area	Total LCCMR \$ Appropriated	Multiple FY's Reallocated \$	FY2021 Trust Fund \$	Percentage of Total Appropriations
Subd. 03 Foundational Natural Resource Data and Information 15 Appropriations	\$8,593,000	\$0	\$8,593,000	13.16%
Subd. 04 Water Resources 7 Appropriations	\$3,457,000	\$0	\$3,457,000	5.29%
Subd. 05 Technical Assistance, Outreach, and Environmental Education 10 Appropriations	\$2,871,000	\$0	\$2,871,000	4.40%
Subd. 06 Aquatic and Terrestrial Invasive Species 7 Appropriations	\$10,425,000	\$0	\$10,425,000	15.96%
Subd. 07 Air Quality and Renewable Energy 3 Appropriations	\$573,000	\$0	\$573,000	0.88%
Subd. 08 Methods to Protect or Restore Land, Water, and Habitat 13 Appropriations	\$4,337,000	\$0	\$4,337,000	6.64%
Subd. 09 Land Acquisition, Habitat, and Recreation 22 Appropriations	\$29,901,000	\$0	\$29,901,000	45.78%
Subd. 10 Emerging Issues Account; Wastewater Renewable Energy Demonstration Grants 1 Appropriation	\$1,095,000	\$0	\$1,095,000	1.68%
Subd. 11 Contract Agreement Reimbursement 1 Appropriation	\$135,000	\$0	\$135,000	0.21%
Subd. 20 Transfers 7 Appropriations (amounts are estimate)	\$3,932,000	\$3,932,000	\$0	6.02%
Total Appropriations	\$65,319,000	\$3,932,000	\$61,387,000	100.00%

Fund Source	\$ Amount
FY 2021 - Environment and Natural Resources Trust Fund (ENRTF)	\$61,387,000
ENRTF Dollars Reallocated from 2019 Appropriations (FY20)	\$2,768,000
ENRTF Dollars Reallocated from 2018 Appropriations (FY19)- estimate	\$540,000
ENRTF Dollars Reallocated from 2017 Appropriations (FY18)- estimate	\$94,000
ENRTF Dollars Reallocated from 2016 Appropriations (FY17)- estimate	\$430,000
ENRTF Dollars Reallocated from 2015 Appropriations (FY16)- estimate	\$100,000
Total \$	\$65,319,000

2020 (FY21) Environment and Natural Resources Trsut Fund (ENRTF) Appropriations

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Subd.	ENRTF ID	Title	Organization	Project Manager	ENRTF \$ Multiple FYs	ENRTF \$ FY2021	TOTAL ENRTF \$ Appropriated	Region*
Subd. 03 Foundational Natural Resource Data and Information (15 Projects - Subtotal = \$8,593,000)								
03a	2020-074	Geologic Atlases for Water Resource Management	U of MN - Minnesota Geological Survey	Barbara Lusardi	\$ -	\$ 2,000,000	\$ 2,000,000	Statewide
03b	2020-023	Expanding Minnesota Ecological Monitoring Network	MN DNR	Erika Rowe	\$ -	\$ 800,000	\$ 800,000	Statewide
03c	2020-009	County Groundwater Atlas	MN DNR	Paul Putzier	\$ -	\$ 1,125,000	\$ 1,125,000	Statewide
03d	2020-026	Foundational Hydrology Data for Wetland Protection and Restoration	MN DNR	Jennie Skancke	\$ -	\$ 400,000	\$ 400,000	Statewide
03e	2020-067	Voyageurs Wolf Project – Phase II	U of MN	Joseph Bump	\$ -	\$ 575,000	\$ 575,000	NE
03f	2020-025	Expanding Restoration and Promoting Awareness of Native Mussels	Minnesota Zoological Society	Seth Stapleton	\$ -	\$ 489,000	\$ 489,000	Statewide
03g	2020-032	Improving Pollinator Conservation by Revealing Habitat Needs	U of MN	Colleen Satyshur	\$ -	\$ 500,000	\$ 500,000	Statewide
03h	2020-003	Bee Minnesota - Protect Our Native Bumblebees	U of MN	Declan Schroeder	\$ -	\$ 650,000	\$ 650,000	Statewide
03i	2020-005	Bobcat and Fisher Habitat Use and Interactions	U of MN	Michael Joyce	\$ -	\$ 400,000	\$ 400,000	Central, Metro, NW, NE
03j	2020-030	Healthy Prairies III: Restoring Minnesota Prairie Plant Diversity	U of MN	Ruth Shaw	\$ -	\$ 500,000	\$ 500,000	Central, Metro, NW, SW, SE
03k	2020-027	Freshwater Sponges and AIS: Engaging Citizen Scientists	U of MN	Venugopal Mukku	\$ -	\$ 400,000	\$ 400,000	Statewide
03l	2020-016	Do Beavers Buffer Against Droughts and Floods?	Voyageurs National Park	Steve Windels	\$ -	\$ 168,000	\$ 168,000	NE
03m	2020-022	Enhancing Bat Recovery by Optimizing Artificial Roost Structures	MN DNR	Ed Quinn	\$ -	\$ 190,000	\$ 190,000	Statewide
03n	2020-064	Tools for Supporting Healthy Ecosystems and Pollinators	MN DNR	Jessica Petersen	\$ -	\$ 198,000	\$ 198,000	Statewide
03o	2020-007	Conserving Black Terns and Forster's Terns in Minnesota	U of MN - Duluth NRRI	Annie Bracey	\$ -	\$ 198,000	\$ 198,000	Statewide
Subd. 03 Foundational Natural Resource Data and Information Subtotal =					\$ -	\$ 8,593,000	\$ 8,593,000	
Subd. 04 Water Resources (7 Projects - Subtotal = \$3,457,000)								
04a	2020-037	Managing Highly Saline Waste from Municipal Water Treatment	U of MN	Natasha Wright	\$ -	\$ 250,000	\$ 250,000	Statewide

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04b	2020-062	Technology for Energy-Generating On-site Industrial Wastewater Treatment	U of MN	Paige Novak	\$ -	\$ 450,000	\$ 450,000	Statewide
04c	2020-040	Microplastics: Transporters of Contaminants in Minnesota Waters	U of MN	Lee Penn	\$ -	\$ 425,000	\$ 425,000	Statewide
04d	2020-013	Developing Strategies to Manage PFAS in Land-Applied Biosolids	Minnesota Pollution Control Agency	Summer Streets	\$ -	\$ 1,404,000	\$ 1,404,000	Statewide
04e	2020-055	Quantifying New Urban Precipitation and Water Reality	U of MN	Joe Magner	\$ -	\$ 500,000	\$ 500,000	Statewide
04f	2020-034	Innovative Solution for Protecting Minnesota from PFAS Contamination	Dem-Con	Bill Keegan	\$ -	\$ 250,000	\$ 250,000	Metro
04g	2020-024	Expanding Protection of Minnesota Water through Industrial Conservation	U of MN	Laura Babcock	\$ -	\$ 178,000	\$ 178,000	Statewide
Subd. 04 Water Resources Subtotal =					\$ -	\$ 3,457,000	\$ 3,457,000	
Subd. 05 Technical Assistance, Outreach, and Environmental Education (10 Projects - Subtotal = \$2,871,000)								
05a	2020-059	Statewide Environmental Education via Public Television Outdoor Series	Pioneer Public Television	Cindy Dorn	\$ -	\$ 300,000	\$ 300,000	Statewide
05b	2020-041	Minnesota Freshwater Quest: Environmental Education on State Waterways	Wilderness Inquiry	Julie Edmiston	\$ -	\$ 500,000	\$ 500,000	Statewide
05c	2020-061	Teach Science: Schools as STEM Living Laboratories	Climate Generation: A Will Steger Legacy	Kristen Poppleton	\$ -	\$ 250,000	\$ 250,000	Statewide
05d	2020-038	Mentoring Next Generation of Conservation Professionals	Minnesota Valley National Wildlife Refuge Trust, Inc.	Deborah Loon	\$ -	\$ 500,000	\$ 500,000	Central, Metro, SE
05e	2020-036	Jay C. Hormel Nature Center Supplemental Teaching Staff	City of Austin	Luke Reese	\$ -	\$ 225,000	\$ 225,000	SE
05f	2020-001	375 Underserved Youth Learn Minnesota Ecosystems by Canoe	YMCA of the Greater Twin Cities	Kurt Simer	\$ -	\$ 375,000	\$ 375,000	Metro, NE
05g	2020-069	YES! Students Take on Water Quality Challenge Phase II	Prairie Woods Environmental Learning Center	Shelli-Kae Foster	\$ -	\$ 199,000	\$ 199,000	Statewide
05h	2020-021	Engaging Minnesotans with Phenology: Radio, Podcasts, Citizen Science	Northern Community Radio, Inc.	Maggie Montgomery	\$ -	\$ 198,000	\$ 198,000	Statewide
05i	2020-017	Driving Conservation Behavior for Native Mussels and Water Quality	Minnesota Zoo	Carol Strecker	\$ -	\$ 191,000	\$ 191,000	Statewide

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05j	2020-079	Workshops and Outreach to Protect Raptors from Lead Poisoning	U of MN	Julia Ponder	\$ -	\$ 133,000	\$ 133,000	Statewide
Subd. 05 Technical Assistance, Outreach, and Environmental Education Subtotal =					\$ -	\$ 2,871,000	\$ 2,871,000	
Subd. 06 Aquatic and Terrestrial Invasive Species (7 Projects - Subtotal = \$10,425,000)								
06a	2020-043	Minnesota Invasive Terrestrial Plants and Pests Center (MITPPC) - Phase V	U of MN - MITPPC	Robert Venette	\$ -	\$ 5,000,000	\$ 5,000,000	Statewide
06b	2020-054	Protect Community Forests by Managing Ash for Emerald Ash Borer	MN DNR	Valerie McClannahan		\$ 3,500,000	\$ 3,500,000	Statewide
06c	2020-004	Biological Control of White-Nose Syndrome in Bats - Phase III	U of MN	Christine Salomon	\$ -	\$ 440,000	\$ 440,000	Statewide
06d	2020-002	Applying New Tools and Techniques Against Invasive Carp	MN DNR	Brian Nerbonne	\$ -	\$ 478,000	\$ 478,000	Central, SW
06e	2020-020	Emerald Ash Borer and Black Ash: Maintaining Forests and Benefits	U of MN	Alexis Grinde	\$ -	\$ 700,000	\$ 700,000	Statewide
06f	2020-063	Testing Effectiveness of Aquatic Invasive Species Removal Methods	U of MN - Duluth NRRI	Valerie Brady	\$ -	\$ 110,000	\$ 110,000	Statewide
06g	2020-035	Invasive <i>Didymosphenia</i> Threatens North Shore Streams	Science Museum of Minnesota	Mark Edlund	\$ -	\$ 197,000	\$ 197,000	NE
Subd. 06 Aquatic and Terrestrial Invasive Species Subtotal =					\$ -	\$ 10,425,000	\$ 10,425,000	
Subd. 07 Air Quality and Renewable Energy (3 Projects - Subtotal = \$573,000)								
07a	2020-073	Storing Renewable Energy in Flow Battery for Grid Use	U of MN - Morris	Bryan Herrmann	\$ -	\$ 250,000	\$ 250,000	Central
07b	2020-018	Eco-Friendly Plastics from Cloquet Pulp-Mill Lignin	U of MN	Simo Sarkanen	\$ -	\$ 193,000	\$ 193,000	Central, NW, NE
07c	2020-014	Diverting Unsold Food from Landfills and Reducing Greenhouse Gases	Second Harvest Heartland	Julie Vanhove	\$ -	\$ 130,000	\$ 130,000	Metro
Subd. 07 Air Quality and Renewable Energy Subtotal =					\$ -	\$ 573,000	\$ 573,000	
Subd. 08 Methods to Protect or Restore Land, Water, and Habitat (13 Projects - Subtotal = \$4,337,000)								
08a	2020-050	Pollinator Central: Habitat Improvement with Citizen Monitoring	Great River Greening	Rebecca Tucker	\$ -	\$ 750,000	\$ 750,000	Central, Metro
08b	2020-071	Pollinator and Beneficial Insect Strategic Habitat Program	MN Board of Water and Soil Resources	Dan Shaw	\$ -	\$ 750,000	\$ 750,000	Statewide

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08c	2020-077	Lignin-Coated Fertilizers for Phosphate Control	U of MN - Duluth NRRI	Eric Singsaas	\$ -	\$ 250,000	\$ 250,000	Statewide
08d	2020-031	Implementing Hemp Crop Rotation to Improve Water Quality	Central Lakes College	Keith Olander	\$ -	\$ 700,000	\$ 700,000	Central, Metro, SW
08e	2020-012	Developing Cover-Crop Systems for Sugar Beet Production	U of MN	Anna Cates	\$ -	\$ 300,000	\$ 300,000	Central, NW
08f	2020-047	Native Eastern Larch Beetle Decimating Minnesota's Tamarack Forests	U of MN	Brian Aukema	\$ -	\$ 398,000	\$ 398,000	Central, Metro, NW, NE
08g	2020-029	Habitat Associations of Mississippi Bottomland Forest Marsh Birds	Audubon Minnesota	Rob Schultz	\$ -	\$ 275,000	\$ 275,000	SE
08h	2020-048	Peatland Restoration in the Lost River State Forest	Roseau River Watershed District	Torin McCormack	\$ -	\$ 135,000	\$ 135,000	NW
08i	2020-052	Prescribed Burning for Brushland-Dependent Species - Phase II	U of MN	Rebecca Montgomery	\$ -	\$ 147,000	\$ 147,000	NE
08j	2020-051	Pollinator Habitat Creation Along Urban Mississippi River	Friends of the Mississippi River	Lisa Mueller	\$ -	\$ 129,000	\$ 129,000	Metro
08k	2020-033	Increase Golden Shiner Production to Protect Aquatic Communities	U of MN - Duluth - Sea Grant	Amy Schrank	\$ -	\$ 188,000	\$ 188,000	Statewide
08l	2020-078	Restoring Turf to Native Pollinator Gardens Across Metro	Wilderness in the City	Holly Jenkins	\$ -	\$ 197,000	\$ 197,000	Metro
08m	2020-076	Lawns to Legumes (combined with Subd. 20b +\$880,000)	BWSR	Dan Shaw	\$ -	\$ 118,000	\$ 118,000	Statewide
Subd. 08 Methods to Protect or Restore Land, Water, and Habitat Subtotal =					\$ -	\$ 4,337,000	\$ 4,337,000	
Subd. 09 Land Acquisition, Habitat, and Recreation (22 Projects - Subtotal = \$29,901,000)								
09a	2020-015	DNR Scientific and Natural Areas	MN DNR	Molly Roske	\$ -	\$ 3,000,000	\$ 3,000,000	Statewide
09b	2020-053	Private Native Prairie Conservation through Native Prairie Bank	MN DNR	Judy Schulte	\$ -	\$ 2,000,000	\$ 2,000,000	Central, NW, SW, SE
09c	2020-044	Minnesota State Parks and State Trails Inholdings	MN DNR	Shelby Kok	\$ -	\$ 3,500,000	\$ 3,500,000	Statewide
09d	2020-028	Grants for Local Parks, Trails, and Natural Areas	MN DNR	Audrey Mularie	\$ -	\$ 2,400,000	\$ 2,400,000	Statewide
09e	2020-046	Mississippi River Aquatic Habitat Restoration and Mussel Reintroduction	Minneapolis Park and Recreation Board	Adam Arvidson	\$ -	\$ 1,800,000	\$ 1,800,000	Metro

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09f	2020-042	Minnesota Hunter Walking Trails: Public Land Recreational Access	Ruffed Grouse Society	Gary Drotts	\$ -	\$ 300,000	\$ 300,000	Central, NW, NE
09g	2020-065	Turning Back to Rivers: Environmental and Recreational Protection	The Trust for Public Land	DJ Forbes	\$ -	\$ 1,000,000	\$ 1,000,000	Central, Metro, SW, SE
09h	2020-072	Metropolitan Regional Parks System Land Acquisition - Phase VI	Metropolitan Council	Jessica Lee	\$ -	\$ 1,000,000	\$ 1,000,000	Metro
09i	2020-045	Minnesota State Trails Development	MN DNR	Kent Skaar	\$ -	\$ 994,000	\$ 994,000	Statewide
09j	2020-019	Elm Creek Restoration - Phase IV	City of Champlin	Todd Tuominen	\$ -	\$ 500,000	\$ 500,000	Metro
09k	2020-060	Superior Hiking Trail As Environmental Showcase	Superior Hiking Trail Association	Lisa Luukkala	\$ -	\$ 450,000	\$ 450,000	NE
09l	2020-066	Upper St. Anthony Falls Enhancements	Friends of the Lock & Dam	Kjersti Monson	\$ -	\$ 2,800,000	\$ 2,800,000	Metro
09m	2020-068	Whiskey Creek and Mississippi River Water Quality, Habitat, and Recreation	Mississippi Headwaters Board	Tim Terrill	\$ -	\$ 500,000	\$ 500,000	Central
09n	2020-049	Perham to Pelican Rapids Regional Trail (West Segment)	Otter Tail County	Matthew Yavarow	\$ -	\$ 2,600,000	\$ 2,600,000	Central
09o	2020-011	Crow Wing County Community Natural Area Acquisition	Crow Wing County	Ryan Simonson	\$ -	\$ 400,000	\$ 400,000	Central
09p	2020-057	Rocori Trail - Phase III	Rocori Trail Construction Board	Pete Weber	\$ -	\$ 1,200,000	\$ 1,200,000	Central
09q	2020-039	Mesabi Trail: New Trail and Additional Funding	St. Louis and Lake Counties Regional Railroad Authority	Bill Dahl	\$ -	\$ 1,000,000	\$ 1,000,000	NE
09r	2020-056	Ranier Safe Harbor and Transient Dock on Rainy Lake	City of Ranier	Sherril Gautreaux	\$ -	\$ 762,000	\$ 762,000	NE
09s	2020-010	Crane Lake Voyageurs National Park Campground and Visitors Center	Town of Crane Lake	Jim Janssen	\$ -	\$ 3,100,000	\$ 3,100,000	NE
09t	2020-006	Chippewa County Acquisition, Recreation and Education	Chippewa County	Scott Williams	\$ -	\$ 160,000	\$ 160,000	SW
09u	2020-058	Sportsmen's Training and Developmental Learning Center	Minnesota Forest Zone Trappers Association	Ray Sogard	\$ -	\$ 85,000	\$ 85,000	NE
09v	2020-097	Birch Lake Recreation Area	City of Babbitt	Cathy Hoheisel	\$ -	\$ 350,000	\$ 350,000	
Subd. 09 Land Acquisition, Habitat, and Recreation Subtotal =					\$ -	\$ 29,901,000	\$ 29,901,000	

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Subd. 10 Emerging Issues Account; Wastewater Renewable Energy Demonstration Grants (1 Project - Subtotal = \$1,095,000)								
10	2020-080	Wastewater Renewable Energy Demonstration Grants	LCCMR/PFA	Becca Nash	\$ -	\$ 1,095,000	\$ 1,095,000	Statewide
Subd 10 Emerging Issues Account; Wastewater Renewable Energy Demonstration Grants Subtotal =					\$ -	\$ 1,095,000	\$ 1,095,000	
Subd. 11 Contract Agreement Reimbursement (1 Project - Subtotal = \$135,000)								
11	2020-008	Contract Agreement Reimbursement	MN DNR	Katherine Sherman-Hoehn	\$ -	\$ 135,000	\$ 135,000	Statewide
Subd. 11 Contract Agreement Reimbursement Subtotal =					\$ -	\$ 135,000	\$ 135,000	
Subd. 20 Transfers (7 projects - Subtotal = \$3,932,000)								
20a1	2020-070	Unprecedented Change Threatens Minnesota's Pristine Lakes	Science Museum of Minnesota	Mark Edlund	\$ 482,000	\$ -	\$ 482,000	Central, NW, NE
20a2	2020-084	Wastewater Pond Optimization	Minnesota Pollution Control Agency	Joel Peck	\$ 700,000	\$ -	\$ 700,000	
20a3	2020-085	Applied Research in State Mineral and Water Resources	U of MN - NRRI	George Hudak	\$ 750,000	\$ -	\$ 750,000	
20a4	2020-086	Chloride Pollution Reduction	MN PCA	Brooke Asleson	\$ 500,000	\$ -	\$ 500,000	
20a5	2020-087	CWD Prion Research in Soils	U of MN	Tiffany Wolf	\$ 336,000	\$ -	\$ 336,000	
20b	2020-076	Lawns to Legumes (combined with Subd 08m +\$118,000)*	BWSR	Dan Shaw	\$ 880,000	\$ -	\$ 880,000	Statewide
20c	2020-090	Emerging Issues Account*	LCCMR	Becca Nash	\$ 284,000	\$ -	\$ 284,000	
Subd. 20 Transfers Subtotal =					\$ 3,932,000	\$ -	\$ 3,932,000	
TOTAL ENRTF \$					\$ 3,932,000	\$ 61,387,000	\$ 65,319,000	

*Estimate amount, pending final close-out of completing projects being transferred