

2018 Environment and Natural Resources Trust Fund (ENRTF) Appropriations

M.L. 2018, Chp. 214, Art. 4, Sec. 2 and M.L. 2018, Chp. 214, Art. 6

For the FY 2018 and FY 2019 biennium (July 1, 2017 - June 30, 2019), approximately \$50.8 million was available each year (total = \$101,656,000) for funding from the Environment and Natural Resources Trust Fund (ENRTF). The Legislative-Citizen Commission on Minnesota Resources (LCCMR) selected 66 projects totaling \$45,828,000 to recommend to the 2018 Minnesota Legislature for funding from the ENRTF. The recommendations were the result of the LCCMR's 2018 Request for Proposal (RFP) process, in which 217 proposals requesting a total of approximately \$183 million were received and considered through a competitive, multi-stage evaluation process. The recommendations ranged from funding the full proposal and dollar amount requested to partial funding for specific proposal elements. On May 20, 2018 the legislature adopted 65 LCCMR recommendations, including three with reduced amounts, one with an increased amount, and two added appropriations. On May 30, 2018, 67 appropriations totaling \$45,828,000 were signed into law by the Governor as M.L. 2018, Chapter 214, for appropriations in FY18 (\$89,000) and FY19 (\$45,739,000). On March 5, 2019 M.L. 2019, Chapter 2, Article 1 was signed into law by the Governor repealing M.L. 2018, Chapter 214, Article 6, Section 4.

Topic Area	FY2018 - FY2019 Trust Fund \$	FY2018 Trust Fund \$	FY2019 Trust Fund \$	Percentage of Total Appropriation
Subd. 03 Foundational Natural Resource Data and Information 11 Appropriations	\$4,533,000	\$0	\$4,533,000	10.6%
Subd. 04 Water Resources 12 Appropriations	\$5,875,000	\$89,000	\$5,786,000	13.7%
Subd. 05 Technical Assistance, Outreach, and Environmental Education 12 Appropriations	\$4,968,000	\$0	\$4,968,000	11.6%
Subd. 06 Aquatic and Terrestrial Invasive Species 6 Appropriations	\$5,760,000	\$0	\$5,760,000	13.4%
Subd. 07 Air Quality and Renewable Energy 3 Appropriations	\$1,200,000	\$0	\$1,200,000	2.8%
Subd. 08 Methods to Protect or Restore Land, Water, and Habitat 8 Appropriations	\$2,539,000	\$0	\$2,539,000	5.9%
Subd. 09 Land Acquisition, Habitat, and Recreation 12 Appropriations	\$17,439,000	\$0	\$17,439,000	40.7%
Subd. 10 Emerging Issues Account 1 Appropriation	\$439,000	\$0	\$439,000	1.0%
Subd. 11 Wastewater Treatment Recommendations 0 Appropriations	\$0	\$0	\$0	0.0%
Subd. 12 Contract Agreement Reimbursement 1 Appropriation	\$135,000	\$0	\$135,000	0.3%
REPEALED - Art. 6, Sec. 4, Subd. 4 ENRTF Appropriation Bonds and Appropriations 1 Appropriation	\$2,940,000	\$0	\$0	0.0%
TOTAL \$ APPROPRIATED	\$42,888,000	\$89,000	\$42,799,000	100.0%

Fund Source	\$ Appropriated
FY 2018 - Environment and Natural Resources Trust Fund (ENRTF)	\$89,000
FY 2019 - Environment and Natural Resources Trust Fund (ENRTF)	\$45,739,000
Total \$	\$45,828,000

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Subd.	Title	Total LCCMR Appropriation \$	Total LCCMR \$ Appropriated FY2018	Total LCCMR \$ Appropriated FY2019	Organization	Project Manager	Region of Impact*
Subd. 03 Foundational Natural Resource Data and Information (11 Appropriations - Subtotal = \$4,533,000)							
03a	County Geologic Atlases - Part A	\$ 1,240,000	\$ -	\$ 1,240,000	U of MN - MN Geological Survey	Dale Setterholm	Statewide
03b	Providing Critical Water-Quality Information for Lake Management	\$ 250,000	\$ -	\$ 250,000	U of MN	Jeffrey Peterson	Statewide
03c	Minnesota Biodiversity Atlas - Phase 2	\$ 350,000	\$ -	\$ 350,000	U of MN	George Weiblen	Statewide
03d	Peatland Forest Management	\$ 600,000	\$ -	\$ 600,000	U of MN	Marcella Windmuller- Campione	Regional
03e	Assessing Natural Resource Benefits Provided by Lichens and Mosses	\$ 213,000	\$ -	\$ 213,000	U of MN	Daniel Stanton	Statewide
03f	Develop a System to Assess Wildlife Health Threats in Minnesota	\$ 280,000	\$ -	\$ 280,000	U of MN	Kimberly VanderWaal	Statewide
03g	Conserving Minnesota's Forest Birds of Management Concern	\$ 500,000	\$ -	\$ 500,000	U of MN - Duluth NRRI	Alexs Grinde	Regional
03h	Mapping Avian Movement in Minnesota	\$ 200,000	\$ -	\$ 200,000	U of MN - Duluth NRRI	Gerald Niemi	Statewide
03i	Improve Trout-Stream Management by Understanding Variable Winter Thermal Conditions	\$ 400,000	\$ -	\$ 400,000	U of MN	Leonard Ferrington	Regional
03j	Develop Sonar Data Mapping on Three Rivers to Assess Suitability for Native Mussel Habitat	\$ 200,000	\$ -	\$ 200,000	National Park Service	Nancy Duncan	Metro
03k	Conserving Minnesota's Nine Species of Freshwater Turtles	\$ 300,000	\$ -	\$ 300,000	Minnesota Zoological Garden	Seth Stapleton	Metro/Regional
Foundational Natural Resource Data and Information Subtotal =		\$ 4,533,000	\$ -	\$ 4,533,000			
Subd. 04 Water Resources (12 Appropriations - Subtotal = \$5,875,000)							
04a	Pilot Program to Optimize Local Mechanical and Pond Wastewater-Treatment Plants	\$ 700,000	\$ 89,000	\$ 611,000	Minnesota Pollution Control Agency	Joel Peck	Statewide
04b	Assess and Develop Strategies to Remove Microscopic Plastic- Particle Pollution from Minnesota Water Bodies	\$ 300,000	\$ -	\$ 300,000	U of MN	Filippo Coletti	Statewide
04c	Reduce Chlorides in Minnesota Waters by Evaluating Road- Salt Alternatives and Pavement Innovations	\$ 400,000	\$ -	\$ 400,000	U of MN	John Gulliver	Statewide
04d	Protect Water Quality with Efficient Removal of Contaminants in Treatment Ponds for Storm Water	\$ 325,000	\$ -	\$ 325,000	St. Cloud State University	Heiko Schoenfuss	Statewide

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04e	Develop Small and Inexpensive Purification System for Community Drinking Water	\$ 425,000	\$ -	\$ 425,000	U of MN	Tianhong Cui	Statewide
04f	Evaluate Emerging Pathogens in Lakes, Rivers, and Tap Water to Keep Drinking Water Safe	\$ 325,000	\$ -	\$ 325,000	U of MN	Timothy LaPara	Statewide
04g	Characterize Unregulated Contaminants in Source Water and Drinking Water	\$ 1,000,000	\$ -	\$ 1,000,000	Minnesota Department of Health	Stephen Robertson	Statewide
04h	Mapping Antibiotic Resistance in Minnesota to Help Protect Environmental, Animal, and Human Health	\$ 750,000	\$ -	\$ 750,000	U of MN	Randall Singer	Statewide
04i	Farmer-Led Expansion of Alfalfa Production to Increase Water Protection	\$ 500,000	\$ -	\$ 500,000	U of MN	Nicholas Jordan	Regional
04j	Using Perennial Grain Crops in Wellhead Protection Areas to Protect Groundwater	\$ 250,000	\$ -	\$ 250,000	Minnesota Department of Agriculture	Margaret Wagner	Statewide
04k	Implement a Pilot Credit-Trading System for Storm Water in Shell Rock River Watershed to Improve Water Quality	\$ 300,000	\$ -	\$ 300,000	Shell Rock River Watershed District	Courtney Christensen	Regional
04l	Lake Agnes Treatment	\$ 600,000	\$ -	\$ 600,000	Board of Water and Soil Resources	TBD	Statewide
Water Resources Subtotal =		\$ 5,875,000	\$ 89,000	\$ 5,786,000			
Subd. 05 Technical Assistance, Outreach, and Environmental Education (12 Appropriations - Subtotal = \$4,968,000)							
05a	Prairie Sportsman Statewide Environmental Broadcasts and Videos	\$ 300,000	\$ -	\$ 300,000	Pioneer Public Television	Cindy Dorn	Statewide
05b	YES! Students Take on Minnesota Water-Quality Challenge	\$ 213,000	\$ -	\$ 213,000	Prairie Woods Environmental Learning Center	Shelli-Kae Foster	Statewide
05c	Get Outdoors After-School Training	\$ 30,000	\$ -	\$ 30,000	Project Get Outdoors Inc	Sara Holger	Statewide
05d	Connecting Students with Water Stewardship through Hands-on Learning	\$ 400,000	\$ -	\$ 400,000	Minnesota Trout Unlimited	John Lenczewski	Statewide
05e	Expanding River Watch Program on the Minnesota River With High School Teams	\$ 100,000	\$ -	\$ 100,000	Friends of the Minnesota Valley	Ted Suss	Regional
05f	Pollinator Ambassadors Program for Gardens	\$ 250,000	\$ -	\$ 250,000	U of MN	Elaine Evans	Statewide
05g	Morris Prairie Pollinator Demonstration Area and Education	\$ 550,000	\$ -	\$ 550,000	U of MN	Steven Poppe	Regional

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Subd.	Title	Total LCCMR Appropriation \$	Total LCCMR \$ Appropriated FY2018	Total LCCMR \$ Appropriated FY2019	Organization	Project Manager	Region of Impact*
05h	Expanding Nature Knowledge and Experience with New Interactive Exhibits at North Mississippi Regional Park	\$ 500,000	\$ -	\$ 500,000	Minneapolis Parks and Recreation Board	MaryLynn Pulscher	Metro
05i	Update International Wolf Center Exhibits	\$ 1,000,000	\$ -	\$ 1,000,000	International Wolf Center	Rob Schultz	Metro
05j	Expanding the State's Reuse Economy to Conserve Natural Resources	\$ 275,000	\$ -	\$ 275,000	ReUse Minnesota	Steve Thomas	Statewide
05k	Expand Materials Reuse and Recycling Jobs Program	\$ 800,000	\$ -	\$ 800,000	The NetWork for Better Futures d/b/a Better Futures Minnesota	Steve Thomas	Statewide
05l	Increase Diversity in Environmental Careers to Serve Minnesota's Changing Demographics	\$ 550,000	\$ -	\$ 550,000	MN DNR	Denise Legato	Statewide
Technical Assistance, Outreach, and Environmental Education Subtotal =		\$ 4,968,000	\$ -	\$ 4,968,000			
Subd. 06 Aquatic and Terrestrial Invasive Species (6 Appropriations - Subtotal = \$5,760,000)							
06a	Minnesota Invasive Terrestrial Plants and Pests Center - Phase 4	\$ 3,500,000	\$ -	\$ 3,500,000	U of MN	Rob Venette	Statewide
06b	Palmer Amaranth Detection and Eradication Continuation	\$ 431,000	\$ -	\$ 431,000	Minnesota Department of Agriculture	Monika Chandler	Statewide
06c	Evaluate Control Methods for Invasive Hybrid Cattails	\$ 131,000	\$ -	\$ 131,000	Voyageurs National Park	Steve Windels	Regional
06d	Developing RNA Interference to Control Zebra Mussels	\$ 500,000	\$ -	\$ 500,000	US Geological Survey	Christopher Merkes	Statewide
06e	Install and Evaluate an Invasive Carp Deterrent for Mississippi River Locks and Dams	\$ 998,000	\$ -	\$ 998,000	U of MN	Peter Sorensen	Statewide
06f	Determining Risk of a Toxic Alga in Minnesota Lakes	\$ 200,000	\$ -	\$ 200,000	Science Museum of Minnesota	Adam Heathcote	Statewide
Aquatic and Terrestrial Invasive Species Subtotal =		\$ 5,760,000	\$ -	\$ 5,760,000			
Subd. 07 Air Quality and Renewable Energy (3 Appropriations - Subtotal = \$1,200,000)							
07a	Develop Solar Window Concentrators for Electricity	\$ 350,000	\$ -	\$ 350,000	U of MN	Uwe Kortshagen	Statewide
07b	Demonstrations for Community-Scale Storage System for Renewable Energy	\$ 550,000	\$ -	\$ 550,000	U of MN	Ellen Anderson	Statewide

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07c	Develop Inexpensive Energy from Simple Roll-to-Roll Manufacturing	\$ 300,000	\$ -	\$ 300,000	U of MN	Tianhong Cui	Statewide
Air Quality and Renewable Energy Subtotal =		\$ 1,200,000	\$ -	\$ 1,200,000			
Subd. 08 Methods to Protect or Restore Land, Water, and Habitat (8 Appropriations - Subtotal = \$2,539,000)							
08a	Nongame Wildlife Program Acceleration	\$ 220,000	\$ -	\$ 220,000	MN DNR	Carrol Henderson	Statewide
08b	Develop BioMulch to Replace Plastic Soil Covering in Vegetable and Fruit Production to Increase Yield and Reduce Waste	\$ 310,000	\$ -	\$ 310,000	U of MN	Paulo Pagliari	Statewide
08c	Develop Market-Based Alternatives for Perennial Crops to Benefit Water Quality and Wildlife	\$ 150,000	\$ -	\$ 150,000	Science Museum of Minnesota	Shawn Schottler	Statewide
08d	Agricultural Weed Control Using Autonomous Mowers	\$ 750,000	\$ -	\$ 750,000	U of MN - Morris	Mike Reese	Statewide
08e	Restoring Forests in Minnesota State Parks	\$ 250,000	\$ -	\$ 250,000	MN DNR	Edward Quinn	Statewide
08f	Develop Strategies for Timber Harvest to Minimize Soil Impacts to Maintain Healthy and Diverse Forests	\$ 200,000	\$ -	\$ 200,000	U of MN	Robert Slesak	Statewide
08g	Restoring Wetland Invertebrates to Revive Wildlife Habitat	\$ 400,000	\$ -	\$ 400,000	MN DNR	Danelle Larson	Statewide
08h	Preserving Minnesota's Native Orchids - Phase 2	\$ 259,000	\$ -	\$ 259,000	U of MN - Landscape Arboretum	David Remucal	Statewide
Methods to Protect or Restore Land, Water, and Habitat Subtotal =		\$ 2,539,000	\$ -	\$ 2,539,000			
Subd. 09 Land Acquisition, Habitat, and Recreation (12 Appropriations - Subtotal = \$17,439,000)							
09a	Grants for Local Parks, Trails, and Natural Areas	\$ 2,000,000	\$ -	\$ 2,000,000	MN DNR	Audrey Mularie	Statewide
09b	Develop Mesabi Trail Segment From County Road 88 to Ely	\$ 600,000	\$ -	\$ 600,000	St. Louis & Lake Counties Regional Railroad Authority	Bob Manzoline	Regional
09c	Harmony State Trail Extension Land Acquisition	\$ 235,000	\$ -	\$ 235,000	City of Harmony	Jerome Illg	Regional
09d	Mississippi Blufflands State Trail - Red Wing Barn Bluff to Colvill Park Segment	\$ 550,000	\$ -	\$ 550,000	City of Red Wing	Jay Owens	Regional

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09e	Swedish Immigrant Regional Trail Segment within Interstate State Park	\$ 2,254,000	\$ -	\$ 2,254,000	Chisago County Environmental Services	Laird Mork	Regional
09f	Enhancement Plan for Superior Hiking Trail	\$ 100,000	\$ -	\$ 100,000	Superior Hiking Trail Association	Denny Caneff	Regional
09g	Protecting Mississippi River Headwaters Lands through Local, State, and Federal Partnership	\$ 700,000	\$ -	\$ 700,000	City of Baxter	Josh Doty	Regional
09h	Protecting North-Central Minnesota Lakes	\$ 750,000	\$ -	\$ 750,000	Crow Wing Soil and Water Conservation District	Sheila Boldt	Regional
09i	Easement Program for Native Prairie Bank	\$ 2,000,000	\$ -	\$ 2,000,000	MN DNR	Judy Schulte	Statewide
09j	Minnesota State Trail Development	\$ 2,500,000	\$ -	\$ 2,500,000	MN DNR	Kent Skaar	Statewide
09k	Minnesota State Parks and State Trails	\$ 2,500,000	\$ -	\$ 2,500,000	MN DNR	Jennifer Christie	Statewide
09l	Scientific and Natural Areas Program	\$ 3,250,000	\$ -	\$ 3,250,000	MN DNR	Ann Pierce	Statewide
Land Acquisition, Habitat, and Recreation Subtotal =		\$ 17,439,000	\$ -	\$ 17,439,000			
Subd. 10 Emerging Issues Account (1 Appropriation - Subtotal = \$439,000)							
10	Emerging Issues Account	\$ 439,000	\$ -	\$ 439,000	LCCMR	Becca Nash	Statewide
Emerging Issues Account Subtotal =		\$ 439,000	\$ -	\$ 439,000			
Subd. 11 Wastewater Treatment Recommendations (0 Appropriations - Subtotal = \$0)							
11a	Wastewater Treatment System Grants	\$ -	\$ -	\$ -	PFA	Jeff Freeman	Statewide
11b	Wastewater Treatment System Loans	\$ -	\$ -	\$ -	PFA	Jeff Freeman	Statewide
Wastewater Treatment Recommendations Subtotal =		\$ -	\$ -	\$ -			
Subd. 12 Contract Agreement Reimbursement (1 Appropriation - Subtotal = \$135,000)							
12	Contract Agreement Reimbursement	\$ 135,000	\$ -	\$ 135,000	MN DNR	Katherine Sherman-Hoehn	Statewide
Contract Agreement Reimbursement Subtotal =		\$ 135,000	\$ -	\$ 135,000			
Art. 6, Subd. 4 ENRTF Appropriation Bonds and Appropriations** (1 Appropriation - Subtotal = \$2,940,000)							

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Subd.	Title	Total LCCMR Appropriation \$	Total LCCMR \$ Appropriated FY2018	Total LCCMR \$ Appropriated FY2019	Organization	Project Manager	Region of Impact*
Subd. 4	REPEALED - FY2019 Debt Service on Appropriations Bonds**	\$ 2,940,000	\$	\$ 2,940,000	Minnesota Management and Budget	TBD	Statewide
ENRTF Appropriation Bonds and Appropriations Subtotal =		\$ 2,940,000	\$ -	\$ 2,940,000			
Total \$ Appropriated =		\$ 42,888,000	\$ 89,000	\$ 42,799,000			

* Region of Impact designated in the State include Statewide, Central, Metro, NE, NW, SE, SW. Metro region includes the 11 counties of Anoka, Carver, Chisago, Dakota, Hennepin, Isanti, Ramsey, Scott, Sherburne, Washington, and Wright.

~~**FY2020-2039 annual debt service payments would be approximately \$7,840,000~~