

**M.L. 2017 Environment and Natural Resources Trust Fund (ENRTF) Appropriations
(FY 2017, FY 2018 and FY2019) - Chp. 96, Sec. 2**

For the FY 2018 and FY 2019 biennium (July 1, 2017 - June 30, 2019), approximately \$50.8 million is available each year (total = \$101,656,000) for funding from the Environment and Natural Resources Trust Fund. Additionally, approximately \$8.4 million in ENRTF funds remain available from FY 2017 for appropriation during the 2017 legislative session. In response to the 2017 Request for Proposal (RFP) 195 proposals requesting a total of approximately \$159.6 million were received. Through a competitive multi-step process, 97 of these proposals, requesting a total of \$70.4 million, were chosen to present to the LCCMR and 69 proposals were selected to receive a recommendation for funding to the 2017 MN Legislature. On 05/ 22/17 the Legislature adopted 63 of the recommendations, including 59 without any changes and 4 at a decreased dollar amount; deleted 7 of the recommendations; and added 2 new appropriations for a total of 65 appropriations. On 05/30/2017, 65 appropriations totaling \$64,250,000, were signed into law by the Governor as M.L. 2017, Chapter 96 for appropriation in FY17 (\$8,428,000), FY18 (\$50,733,000) and FY19 (\$5,089,000).

Topic Area	Total \$ Appropriated (\$64,250,000)	FY2017 ENRTF \$	FY2018 ENRTF \$	FY2019 ENRTF \$	Percentage of Total Appropriation
Subd. 03 Foundational Natural Resource Data and Information 14 Appropriations	\$9,961,000	\$2,000,000	\$7,872,000	\$89,000	15.50%
Subd. 04 Water Resources 9 Appropriations	\$3,175,000	\$0	\$3,175,000	\$0	4.94%
Subd. 05 Environmental Education 7 Appropriations	\$2,988,000	\$0	\$2,988,000	\$0	4.65%
Subd. 06 Aquatic and Terrestrial Invasive Species 6 Appropriations	\$4,721,000	\$2,700,000	\$2,021,000	\$0	7.35%
Subd. 07 Air Quality, Climate Change, and Renewable Energy 5 Appropriations	\$3,250,000	\$0	\$3,250,000	\$0	5.06%
Subd. 08 Methods to Protect or Restore Land, Water, and Habitat 12 Appropriations	\$24,283,000	\$2,729,000	\$16,554,000	\$5,000,000	37.79%
Subd. 09 Land Acquisition, Habitat, and Recreation 9 Appropriations	\$14,532,000	\$999,000	\$13,533,000	\$0	22.62%
Subd. 10 Administration and Contract Agreement Reimbursement 3 Appropriations	\$1,340,000	\$0	\$1,340,000	\$0	2.09%
TOTAL \$ APPROPRIATED	\$64,250,000	\$8,428,000	\$50,733,000	\$5,089,000	100.00%

Fund Source	\$ Appropriated
FY 2017 - Environment and Natural Resources Trust Fund (ENRTF)	\$8,428,000
FY 2018 - Environment and Natural Resources Trust Fund (ENRTF)	\$50,733,000
FY 2019 - Environment and Natural Resources Trust Fund (ENRTF)	\$5,089,000
Total \$	\$64,250,000

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Subd.	Title	Total \$ Appropriated	FY2017 ENRTF \$	FY2018 ENRTF \$	FY2019 ENRTF \$	Organization	Project Manager	Region of Impact*
Subd. 03 Foundational Natural Resource Data and Information (14 Appropriations - Subtotal = \$9,961,000)								
03a	County Geologic Atlases - Continuation	\$ 2,000,000	\$ 2,000,000	\$ -	\$ -	U of MN - MN Geological Survey	Dale Setterholm	Statewide
03b	Assessment of Public Benefits of Protecting Source Water	\$ 320,000	\$ -	\$ 320,000	\$ -	U of MN	Bonnie Keeler	Statewide
03c	Preserving Minnesota Prairie Plant Diversity – Phase II	\$ 900,000	\$ -	\$ 900,000	\$ -	U of MN	Ruth Shaw	Central, NW, SE, SW
03d	Minnesota Biological Survey - Continuation	\$ 2,900,000	\$ -	\$ 2,900,000	\$ -	MN DNR	Bruce Carlson	Statewide
03e	Minnesota Wildflowers Online Botanical Reference – Phase II	\$ 270,000	\$ -	\$ 270,000	\$ -	MN Wildflowers Information	Katy Chayka	Statewide
03f	Assessment of Microbes for Improving Wild Rice Restoration	\$ 334,000	\$ -	\$ 334,000	\$ -	U of MN - NRRRI	Chanlan Chun	NE
03g	Drainage Records Modernization Cost Share - Phase II	\$ 540,000	\$ -	\$ 540,000	\$ -	Board of Water and Soil Resources	Tim Gillette	Statewide
03h	Groundwater Contamination Mapping	\$ 400,000	\$ -	\$ 400,000	\$ -	Minnesota Pollution Control Agency	Hans Neve	Statewide
03i	Landslide Susceptibility, Mapping, and Management Tools	\$ 500,000	\$ -	\$ 500,000	\$ -	U of MN	Karen Gran	Statewide
03j	Moose Calf Surveys and Monitoring	\$ 348,000	\$ -	\$ 348,000	\$ -	U of MN	Mark Ditmer	NE
03k	Cedar Creek Natural Area Wolf Recolonization Assessment	\$ 398,000	\$ -	\$ 398,000	\$ -	U of MN	Forest Isbell	Metro
03l	Effects of Wolf Predation on Beaver, Moose, and Deer	\$ 293,000	\$ -	\$ 293,000	\$ -	Voyageurs National Park	Steve Windels	NE
03m	Mapping Taxonomy and Environmental Toxicology of Minnesota Freshwater Sponges	\$ 258,000	\$ -	\$ 258,000	\$ -	U of MN	Anthony Schroeder	Statewide
03n	Pollinator Research and Outreach	\$ 500,000	\$ -	\$ 411,000	\$ 89,000	U of MN	Open	Statewide
Foundational Natural Resource Data and Information Subtotal								
		= \$ 9,961,000	\$ 2,000,000	\$ 7,872,000	\$ 89,000			
Subd. 04 Water Resources (9 Appropriations - Subtotal = \$3,175,000)								
04a	Assessment of Household Chemicals and Herbicides in Rivers and Lakes	\$ 236,000	\$ -	\$ 236,000	\$ -	U of MN	William Arnold	Statewide
04b	Wastewater Nitrogen Removal Technology to Protect Water Quality	\$ 450,000	\$ -	\$ 450,000	\$ -	U of MN	Paige Novak	Statewide
04c	Rearing Native Mussels for Reintroduction and Expanding Water Quality Awareness	\$ 591,000	\$ -	\$ 591,000	\$ -	Minnesota Zoological Garden	Seth Stapleton	Statewide
04d	Water Quality Monitoring in Southeastern Minnesota Trout Streams	\$ 500,000	\$ -	\$ 500,000	\$ -	Winona State University	Neal Mundahl	SE

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Subd.	Title	Total \$ Appropriated	FY2017 ENRTF \$	FY2018 ENRTF \$	FY2019 ENRTF \$	Organization	Project Manager	Region of Impact*
04e	Reassessing Toxicity of Petroleum Spills on Groundwater and Surface Water	\$ 300,000	\$ -	\$ 300,000	\$ -	St. Thomas University	Dalma Martinovic-Weigelt	NW
04f	Assessment of Water Quality for Reuse	\$ 148,000	\$ -	\$ 148,000	\$ -	U of MN	Satoshi Ishii	Statewide
04g	Identification of Chemicals of Emerging Concern in Minnesota Fish	\$ 400,000	\$ -	\$ 400,000	\$ -	Grand Portage Band of Lake Superior	Seth Moore	NE
04h	Techniques for Water Storage Estimates in Central Minnesota	\$ 250,000	\$ -	\$ 250,000	\$ -	U of MN	John Nieber	Statewide
04i	Assessing Release of Mercury and Sulfur on Aquatic Communities	\$ 300,000	\$ -	\$ 300,000	\$ -	U of MN	Ed Nater	Statewide
Water Resources Subtotal =		\$ 3,175,000	\$ -	\$ 3,175,000	\$ -			
Subd. 05 Environmental Education (7 Appropriations - Subtotal = \$2,988,000)								
05a	Connecting Youth to Minnesota Waterways through Outdoor Classrooms	\$ 1,200,000	\$ -	\$ 1,200,000	\$ -	Wilderness Inquiry	Meg Krueger	Statewide
05b	Increasing Diversity in Environmental Careers	\$ 487,000	\$ -	\$ 487,000	\$ -	MN DNR	Denise Legato	Statewide
05c	Interactive Water Resource Programs for Planetariums in Minnesota	\$ 500,000	\$ -	\$ 500,000	\$ -	U of MN - Bell Museum of Natural History	Sally Brummel	Statewide
05d	Expanding Raptor Center Online Education	\$ 270,000	\$ -	\$ 270,000	\$ -	U of MN	Julia Ponder	Statewide
05e	Local Planning and Implementation Efforts for Bird Habitat	\$ 280,000	\$ -	\$ 280,000	\$ -	Audubon Minnesota	Joanna Eckles	Statewide
05f	Developing Youth Watershed Stewardship in Northwest Minnesota	\$ 121,000	\$ -	\$ 121,000	\$ -	Headwaters Science Center	Annie Butler Ricks	NW
05g	Increasing Residential Environmental Learning Center Opportunities	\$ 130,000	\$ -	\$ 130,000	\$ -	Audubon Center of the North Woods	Bryan Wood	NE
Environmental Education Subtotal =		\$ 2,988,000	\$ -	\$ 2,988,000	\$ -			
Subd. 06 Aquatic and Terrestrial Invasive Species (6 Appropriations - Subtotal = \$4,721,000)								
06a	Aquatic Invasive Species Research Center - Phase II	\$ 2,700,000	\$ 2,700,000	\$ -	\$ -	U of MN - AIS Center	Nicholas Phelps	Statewide
06b	Emerald Ash Borer Biocontrol - Phase III	\$ 729,000	\$ -	\$ 729,000	\$ -	Minnesota Department of Agriculture	Jonathan Osthus	Statewide
06c	Invasive Bighead Carp and Silver Carp and Native Fish Evaluation – Phase II	\$ 500,000	\$ -	\$ 500,000	\$ -	MN DNR	Bradford Parsons	Central, Metro, SE, SW
06d	Adapting Stream Barriers to Remove Common Carp	\$ 301,000	\$ -	\$ 301,000	\$ -	U of MN - AIS Center	Przemyslaw Bajer	Statewide

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Subd.	Title	Total \$ Appropriated	FY2017 ENRTF \$	FY2018 ENRTF \$	FY2019 ENRTF \$	Organization	Project Manager	Region of Impact*
06e	Tactical Invasive Plant Management Plan Development	\$ 296,000	\$ -	\$ 296,000	\$ -	Minnesota Department of Agriculture	Monika Chandler	Statewide
06f	Maximize Value of Water Impoundments to Wildlife	\$ 195,000	\$ -	\$ 195,000	\$ -	Audubon Minnesota	Kristin Hall	NW
Aquatic and Terrestrial Invasive Species Subtotal =		\$ 4,721,000	\$ 2,700,000	\$ 2,021,000	\$ -			
Subd. 07 Air Quality, Climate Change, and Renewable Energy (5 Appropriations - Subtotal = \$3,250,000)								
07a	Extraction of Solar Thermal Energy in Minnesota	\$ 250,000	\$ -	\$ 250,000	\$ -	U of MN	Filippo Coletti	Statewide
07b	Assessment of Urban Air Pollution	\$ 700,000	\$ -	\$ 700,000	\$ -	Minnesota Pollution Control Agency	Monika Vadali	Metro
07c	Generation, Storage, and Utilization of Solar Energy	\$ 500,000	\$ -	\$ 500,000	\$ -	U of MN - West Central Research and Outreach Center in Morris	Bradley Heins	Statewide
07d	District Heating with Renewable Biomass at Camp Ripley Training Center	\$ 1,000,000	\$ -	\$ 1,000,000	\$ -	Department of Military Affairs	Jay Brezinka	Central
07e	Geotargeted Distributed Clean Energy Initiative	\$ 800,000	\$ -	\$ 800,000	\$ -	Center for Energy and Environment	Carl Nelson	Statewide
Air Quality, Climate Change, and Renewable Energy Subtotal =		\$ 3,250,000	\$ -	\$ 3,250,000	\$ -			
Subd. 08 Methods to Protect or Restore Land, Water, and Habitat (12 Appropriations - Subtotal = \$24,283,000)								
08a	Optimizing the Nutrition of Roadside Plants for Pollinators	\$ 815,000	\$ -	\$ 815,000	\$ -	U of MN	Emilie Snell-Rood	Central, Metro, NW, SE, SW
08b	Promoting Conservation Biocontrol of Beneficial Insects	\$ 400,000	\$ -	\$ 400,000	\$ -	U of MN	Vera Krischik	Statewide
08c	Evaluating the Use of Bison to Restore and Preserve Savanna Habitat	\$ 388,000	\$ -	\$ 388,000	\$ -	Cedar Creek Ecosystem Science Reserve	David Tilman	Central
08d	State Park Pollinator Habitat Restoration	\$ 672,000	\$ -	\$ 672,000	\$ -	MN DNR	Edward Quinn	Central, Metro, NW, SE, SW
08e	Enhancing Spawning Habitat Restoration in Minnesota Lakes	\$ 294,000	\$ -	\$ 294,000	\$ -	U of MN - St. Anthony Falls Laboratory	William Herb	Statewide
08f	Prescribed Fire Management for Roadside Prairies	\$ 345,000	\$ -	\$ 345,000	\$ -	Minnesota Department of Transportation	Ken Graeve	Central, Metro, NW, SE
08g	Minnesota Bee and Beneficial Species Habitat Restoration	\$ 732,000	\$ -	\$ 732,000	\$ -	Pheasants Forever Inc	Steven Burdick	Statewide

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08h	Mississippi and Vermillion River Restoration of Prairie, Savanna, and Forest Habitat - Phase Ten	\$ 213,000	\$ -	\$ 213,000	\$ -	Friends of the Mississippi River	Tom Lewanski	Metro
08i	Community Stewardship to Restore Urban Natural Resources - Phase Ten	\$ 524,000	\$ -	\$ 524,000	\$ -	Great River Greening	Wiley Buck	Metro
08j	Economic Assessment of Precision Conservation and Agriculture	\$ 400,000	\$ -	\$ 400,000	\$ -	Pheasants Forever Inc	Tanner Bruse	Central, NW, SE, SW
08k	Conservation Reserve Enhancement Program (CREP) Outreach and Implementation	\$ 6,000,000	\$ -	\$ 6,000,000	\$ -	Board of Water and Soil Resources	Tabor Hoek	Central, NE, NW, SE, SW
08l	Conservation Reserve Enhancement Program (CREP)	\$ 13,500,000	\$ 2,729,000	\$ 5,771,000	\$ 5,000,000	Board of Water and Soil Resources	Open	Central, NE, NW, SE, SW
Methods to Protect or Restore Land, Water, and Habitat								
Subtotal =		\$ 24,283,000	\$ 2,729,000	\$ 16,554,000	\$ 5,000,000			
Subd. 09 Land Acquisition, Habitat, and Recreation (9 Appropriations - Subtotal = 14,532,000)								
09a	Metropolitan Regional Parks System Land Acquisition	\$ 1,500,000	\$ -	\$ 1,500,000	\$ -	Metropolitan Council	Deborah Streets Jensen	Metro
09b	Scientific and Natural Areas Acquisition, Restoration, Citizen Science and Engagement	\$ 2,500,000	\$ -	\$ 2,500,000	\$ -	MN DNR	Peggy Booth	Statewide
09c	Minnesota State Parks and State Trails Land Acquisition	\$ 1,500,000	\$ -	\$ 1,500,000	\$ -	MN DNR	Jennifer Christie	Statewide
09d	Minnesota State Trails Acquisition, Development and Enhancement	\$ 1,038,000	\$ 999,000	\$ 39,000	\$ -	MN DNR	Kent Skaar	Statewide
09e	Native Prairie Stewardship and Prairie Bank Easement Acquisition	\$ 2,675,000	\$ -	\$ 2,675,000	\$ -	MN DNR	Judy Schulte	Central, NW, SE, SW
09f	Leech Lake Acquisition	\$ 1,500,000	\$ -	\$ 1,500,000	\$ -	Leech Lake Division of Resource Management	Levi Brown	Central
09g	Mesabi Trail Development	\$ 2,269,000	\$ -	\$ 2,269,000	\$ -	St. Louis & Lake Counties Regional Railroad Authority	Bob Manzoline	NE
09h	Tower Trailhead Boat Landing and Habitat Improvement – Phase II	\$ 600,000	\$ -	\$ 600,000	\$ -	City of Tower	Linda Keith	NE
09i	Land Acquisition for Voyageurs National Park Crane Lake Visitors Center	\$ 950,000	\$ -	\$ 950,000	\$ -	Town of Crane Lake	Jim Janssen	NE
Land Acquisition, Habitat and Recreation Subtotal =		\$ 14,532,000	\$ 999,000	\$ 13,533,000	\$ -			
Subd. 10 Administration and Contract Agreement Reimbursement (2 Appropriations - Subtotal = \$1,340,000)								
10a	Contract Agreement Reimbursement	\$ 135,000	\$ -	\$ 135,000	\$ -	MN DNR	Katherine Sherman-Hoehn	Statewide
10b	Legislative-Citizen Commission on Minnesota Resources (LCCMR) Administration	\$ 1,200,000	\$ -	\$ 1,200,000	\$ -	Legislative-Citizen Commission on	Susan Thornton	Statewide

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10c	Legislative Coordinating Commission Legacy Website	\$ 5,000	\$ -	\$ 5,000	\$ -	Legislative Coordinating Commission	Sally Olson	Statewide
Administration and Contract Agreement Reimbursement								
	Subtotal =	\$ 1,340,000	\$ -	\$ 1,340,000	\$ -			
	Total \$ Appropriated =	\$ 64,250,000	\$ 8,428,000	\$ 50,733,000	\$ 5,089,000			

* 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.