

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	Summary	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	This project continues accelerated production of County Geologic Atlases to support informed management of water and mineral resources. This work is essential to sustainable management of water.	\$ 1,240,000	\$ -	\$ 1,240,000	U of MN - MN Geological Survey	Dale Setterholm	Statewide
03b	Providing Critical Water-Quality Information for Lake Management	Create a semi-automated system to acquire, process, and deliver new satellite derived water quality data (water clarity, algae, turbidity and color) for all Minnesota lakes ~biweekly and in near real-time.	\$ 250,000	\$ -	\$ 250,000	U of MN	Jeffrey Peterson	Statewide
03c	Minnesota Biodiversity Atlas - Phase 2	We propose to double the size of a natural resource management tool, the Minnesota Biodiversity Atlas, by including state agency observations and specimen records from four additional museum collections.	\$ 350,000	\$ -	\$ 350,000	U of MN	George Weiblen	Statewide
03d	Peatland Forest Management	There are 3 million acres of peatland forests in Minnesota. This proposal will identify management actions that maximize ecosystem benefits of peatland forests, including wildlife, water, timber, and native plants.	\$ 600,000	\$ -	\$ 600,000	U of MN	Marcella Windmuller-Campione	Regional
03e	Assessing Natural Resource Benefits Provided by Lichens and Mosses	The proposed project aims to better understand the impacts that moss and lichens may have on water and pollution.	\$ 213,000	\$ -	\$ 213,000	U of MN	Daniel Stanton	Statewide
03f	Develop a System to Assess Wildlife Health Threats in Minnesota	This project will establish a surveillance system to monitor wildlife health in Minnesota through development of information management and analytical systems utilizing wildlife rehabilitation data.	\$ 280,000	\$ -	\$ 280,000	U of MN	Kimberly VanderWaal	Statewide
03g	Conserving Minnesota's Forest Birds of Management Concern	Identify forest management actions and guidelines that maximize breeding season productivity across breeding cycle (nesting through post-fledgling) for three bird species of conservation concern: Golden-winged Warbler, Veery, and American Woodcock.	\$ 500,000	\$ -	\$ 500,000	U of MN - Duluth NRRI	Alex Grinde	Regional
03h	Mapping Avian Movement in Minnesota	Establish network of automated radiotelemetry stations to monitor bird migration and local movements of a threatened species, and develop strategic plans for long-term use of infrastructure to monitor animal movement.	\$ 200,000	\$ -	\$ 200,000	U of MN - Duluth NRRI	Gerald Niemi	Statewide
03i	Improve Trout-Stream Management by Understanding Variable Winter Thermal Conditions	Winter sport fishing for trout is a vibrant industry, but can be impacted by changing climate. We seek to understand how to conserve trout habitat, especially focusing on winter management.	\$ 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	The acquisition of high-resolution sonar data provides important information essential for mapping mussel habitat while having ecological applications useful to resource managers and policy makers protecting Minnesota threatened/endangered native mussels.	\$ 200,000	\$ -	\$ 200,000	National Park Service	Nancy Duncan	Metro
03k	Conserving Minnesota's Nine Species of Freshwater Turtles	The Minnesota Zoo will improve the long-term viability of Minnesotas imperiled turtle populations by researching threats, implementing mechanisms to reduce mortality, and creating educational materials for use throughout the state.	\$ 300,000	\$ -	\$ 300,000	Minnesota Zoological Garden	Seth Stapleton	Metro / Regional

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Subd.	Title	Summary	Total LCCMR Appropriation \$	Total LCCMR \$ Appropriated FY2018	Total LCCMR \$ Appropriated FY2019	Organization	Project Manager	Region of Impact*
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	A pilot program of wastewater treatment optimization without costly facility upgrades. This will lead to cleaner lakes and rivers without needless costs, and achieve significantly better treatment results.	\$ 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	The objective of the present proposal is to assess and provide remedy to the urgent problem of microscopic plastic particles polluting water bodies in Minnesota.	\$ 300,000	\$ -	\$ 300,000	U of MN	Filippo Coletti	Statewide
04c	Reduce Chlorides in Minnesota Waters by Evaluating Road-Salt Alternatives and Pavement Innovations	We will investigate road salt alternatives and pavement innovations that will reduce or eliminate the flux of chloride from road salt into our lakes, streams and groundwater.	\$ 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	Urban stormwaters contain biologically harmful contaminants of emerging concern whose abatement through best management practice ponds requires evaluation to safeguard habitats for aquatic species from mussels to birds.	\$ 325,000	\$ -	\$ 325,000	St. Cloud State University	Heiko Schoenfuss	Statewide
04e	Develop Small and Inexpensive Purification System for Community Drinking Water	This project is to develop a small cheap purification system for community drinking water facilities to remove toxic contaminants. The technology is highly efficient to improve current drinking water quality.	\$ 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	This research project will provide critical information regarding how to treat surface water (used by 25% of Minnesota's population) to prevent outbreaks of Legionnaires' disease and infections by Mycobacterium avium.	\$ 325,000	\$ -	\$ 325,000	U of MN	Timothy LaPara	Statewide
04g	Characterize Unregulated Contaminants in Source Water and Drinking Water	This project will characterize unregulated drinking water contaminants at wells and intakes (which pump from groundwater, lakes, rivers), and to examine if they persist after standard public water system treatment.	\$ 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	We will quantify and map antibiotic and antibiotic resistance gene contamination in Minnesota waters and soils and identify locations in need of mitigation to protect environmental, human, and animal health.	\$ 750,000	\$ -	\$ 750,000	U of MN	Randall Singer	Statewide
04i	Farmer-Led Expansion of Alfalfa Production to Increase Water Protection	We will develop a farmer-led, market-based working lands approach for protecting water by targeted expansion of alfalfa production, and enable farmers to take this approach by expanding markets for alfalfa.	\$ 500,000	\$ -	\$ 500,000	U of MN	Nicholas Jordan	Regional
04j	Using Perennial Grain Crops in Wellhead Protection Areas to Protect Groundwater	Establish and monitor 120 acres of intermediate wheatgrass (Kernza), a new perennial grain crop, in vulnerable wellhead protection regions of Minnesota to profitability reduce nitrate leaching to drinking water.	\$ 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	This project will develop and implement a model stormwater water quality credit trading framework. The purpose is to provide voluntary, cost effective, pollutant reductions on a watershed scale.	\$ 300,000	\$ -	\$ 300,000	Shell Rock River Watershed District	Courtney Christensen	Regional

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04l	Lake Agnes Treatment	n/a	\$ 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	Produce, broadcast and share 26 science-based environmental programs, 26 "call to action" and 27 "outdoor lifestyle" videos that inspire and demonstrate how to protect and engage with Minnesota's natural resources.	\$ 300,000	\$ -	\$ 300,000	Pioneer Public Television	Cindy Dorn	Statewide
05b	YES! Students Take on Minnesota Water-Quality Challenge	Youth Energy Summit (YES!) expands its successful model to improve local waterways by mobilizing over 20 youth-led teams in Minnesota communities to complete water quality related projects, moni-toring and reporting.	\$ 213,000	\$ -	\$ 213,000	Prairie Woods Environmental Learning Center	Shelli-Kae Foster	Statewide
05c	Get Outdoors After-School Training	This project will equip out-of-school youth organizations across Minnesota with knowledge, skills and resources to incorporate outdoor nature activities into after-school programs and engage under-privileged children with the outdoors.	\$ 30,000	\$ -	\$ 30,000	Project Get Outdoors Inc	Sara Holger	Statewide
05d	Connecting Students with Water Stewardship through Hands-on Learning	Students will get outdoors for hands-on learning focused on water quality, groundwater, aquatic life, watershed health and their role as watershed stewards. Introductions to fishing and conservation will be offered.	\$ 400,000	\$ -	\$ 400,000	Minnesota Trout Unlimited	John Lenczewski	Statewide
05e	Expanding River Watch Program on the Minnesota River With High School Teams	Continue and expand a River Watch program on the Minnesota River engaging teams of high school students in water quality monitoring and reporting the data to the MNPCA	\$ 100,000	\$ -	\$ 100,000	Friends of the Minnesota Valley	Ted Suss	Regional
05f	Pollinator Ambassadors Program for Gardens	The Pollinator Ambassadors for Urban Gardens project will enhance outreach capacity for pollinator education by creating an outreach toolkit and training educators and youth for engagement in native pollinator education.	\$ 250,000	\$ -	\$ 250,000	U of MN	Elaine Evans	Statewide
05g	Morris Prairie Pollinator Demonstration Area and Education	Project will restore and demonstrate a native prairie habitat in order to enhance the local ecosystem for beneficial pollinators as well as to offer educational opportunities.	\$ 550,000	\$ -	\$ 550,000	U of MN	Steven Poppe	Regional
05h	Expanding Nature Knowledge and Experience with New Interactive Exhibits at North Mississippi Regional Park	Compelling, new, interactive exhibits at North Mississippi Regional Park will spark curiosity, increase knowledge, change behavior, and inspire a diverse audience of 326,000 annual visitors to explore the outdoors.	\$ 500,000	\$ -	\$ 500,000	Minneapolis Parks and Recreation Board	MaryLynn Pulscher	Metro
05i	Update International Wolf Center Exhibits	Minnesotans need to understand the complexities of successful state-controlled management, conflict resolution, and co-existence with our 2,400 wolves. A new educational exhibit at the International Wolf Center will help.	\$ 1,000,000	\$ -	\$ 1,000,000	International Wolf Center	David Kline	Metro
05j	Expanding the State's Reuse Economy to Conserve Natural Resources	This project will focus on creating a much more robust reuse economy throughout the State resulting in reduced solid waste, less pollution, more jobs, and small business development.	\$ 275,000	\$ -	\$ 275,000	ReUse Minnesota	Steve Thomas	Statewide

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05k	Expand Materials Reuse and Recycling Jobs Program	This project will: expand strategies of the 2015 LCCMR grant; establish deconstruction and building material reuse as a practice statewide; document the environmental, health, and economic benefits of material reuse.	\$ 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	This collaborative project creates a college to workforce pathway for under-represented students who are interested in pursuing Natural Resources careers by reducing barriers that inhibit successful educational attainment.	\$ 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	Funding is requested to accelerate high priority research that will protect Minnesotas wetlands, forests, prairies, and agricultural resources from terrestrial invasive plants, pests, and pathogens.	\$ 3,500,000	\$ -	\$ 3,500,000	U of MN	Rob Venette	Statewide
06b	Palmer Amaranth Detection and Eradication Continuation	Find and control Palmer amaranth in conservation plantings to prevent severe economic damage and protect prairies.	\$ 431,000	\$ -	\$ 431,000	Minnesota Department of Agriculture	Monika Chandler	Statewide
06c	Evaluate Control Methods for Invasive Hybrid Cattails	This project will evaluate the effectiveness of two methods to remove exotic hybrid cattail to restore fish and wildlife habitat in Minnesota wetlands.	\$ 131,000	\$ -	\$ 131,000	Voyageurs National Park	Steve Windels	Regional
06d	Developing RNA Interference to Control Zebra Mussels	We propose to develop a genetic control tool that exploits the natural process of RNA silencing to effectively control zebra mussels without affecting other species.	\$ 500,000	\$ -	\$ 500,000	US Geological Survey	Christopher Merkes	Statewide
06e	Install and Evaluate an Invasive Carp Deterrent for Mississippi River Locks and Dams	Promising new carp deterrent system is tested in the Mississippi River along with an existing deterrent and predators; 99% blockage is suggested and Fish and Wildlife Service is a partner.	\$ 998,000	\$ -	\$ 998,000	U of MN	Peter Sorensen	Statewide
06f	Determining Risk of a Toxic Alga in Minnesota Lakes	This project will determine the historical distribution, abundance, and toxicity of the invasive blue-green alga, <i>Cylindrospermopsis raciborskii</i> , in Minnesota lakes using a combination of paleolimnological and contemporary monitoring techniques	\$ 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	Solar windows are a disruptive photovoltaic technology that virtually invisibly integrates with buildings. This renewable energy technology will increase photovoltaics adoption, reduce air pollution, and ameliorate climate change.	\$ 350,000	\$ -	\$ 350,000	U of MN	Uwe Kortshagen	Statewide
07b	Demonstrations for Community-Scale Storage System for Renewable Energy	Create user-friendly, research-based energy storage guide and decision tools (print and web-based) for community-scale sites with renewable energy and do three geographically dispersed battery storage demonstration projects, through broad stakeholder-expert engagement.	\$ 550,000	\$ -	\$ 550,000	U of MN	Ellen Anderson	Statewide

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07c	Develop Inexpensive Energy from Simple Roll-to-Roll Manufacturing	This project is to develop cheap clean solar energy by simple roll-to-roll manufacturing. Perovskite is a new photovoltaic material, very economical while maintaining high power conversion efficiency.	\$ 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	This acceleration package will fulfill ENRTF goals including rare wildlife data collection and management, conservation education, collaborative land protection management, & new emphasis on nature tourism to benefit rural communities.	\$ 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	A biodegradable product will be developed to replace non-degradable petroleum based plastic used in vegetable and fruit production. This project, if funded, will revolutionize horticulture in Minnesota, and potentially worldwide.	\$ 310,000	\$ -	\$ 310,000	U of MN	Paulo Pagliari	Statewide
08c	Develop Market-Based Alternatives for Perennial Crops to Benefit Water Quality and Wildlife	Design and evaluate 10 market-based scenarios for perennial cropping systems and their potential to improve water quality and provide wildlife habitat. Create awareness through thought-provoking videos, fact sheets, and presentations.	\$ 150,000	\$ -	\$ 150,000	Science Museum of Minnesota	Shawn Schottler	Statewide
08d	Agricultural Weed Control Using Autonomous Mowers	A robot, powered by solar energy, will be developed to control weeds on agricultural lands. We envision significant reductions in fossil-fuel and herbicide use while increasing local energy production.	\$ 750,000	\$ -	\$ 750,000	U of MN - Morris	Mike Reese	Statewide
08e	Restoring Forests in Minnesota State Parks	Restores 420 acres of high-quality forests at Itasca, Jay Cooke, Scenic, Forestville Mystery Cave and Wild River State Parks and Greenleaf Lake State Recreation Area.	\$ 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	Develop strategies and practical tools to identify conditions that minimize impacts to soil across a wide range of conditions to promote regeneration of diverse forests, wildlife habitat, and timber availability.	\$ 200,000	\$ -	\$ 200,000	U of MN	Robert Slesak	Statewide
08g	Restoring Wetland Invertebrates to Revive Wildlife Habitat	Amphipods are wetland invertebrates that are critical wildlife food and indicators of water quality. We will assess reasons they are missing from Prairie Potholes and unique methods to restore amphipods.	\$ 400,000	\$ -	\$ 400,000	MN DNR	Danelle Larson	Statewide
08h	Preserving Minnesota's Native Orchids - Phase 2	Minnesota's 48 native orchids are at risk. The Minnesota Landscape Arboretum will expand conservation of species through propagation and banking and begin restoration planting research in the program's second phase.	\$ 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	Provide approximately 25 matching grants for local parks, acquisition of locally significant natural areas and trails to connect people safely to desirable community locations and regional or state facilities.	\$ 2,000,000	\$ -	\$ 2,000,000	MN DNR	Audrey Mularie	Statewide

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09b	Develop Mesabi Trail Segment From County Road 88 to Ely	3.5 mile long bituminous surface trail beginning at the intersection of Hwy 169 and County Road 88 to Ely. In Ely, connection will be made to existing Mesabi Trail.	\$ 600,000	\$ -	\$ 600,000	St. Louis & Lake Counties Regional Railroad Authority	Bob Manzoline	Regional
09c	Harmony State Trail Extension Land Acquisition	To acquire fee title to 16 parcels to allow for the extension of the state trail from Harmony south to the Iowa state boarder with a spur to Niagara Cave.	\$ 235,000	\$ -	\$ 235,000	City of Harmony	Jerome Illg	Regional
09d	Mississippi Blufflands State Trail - Red Wing Barn Bluff to Colvill Park Segment	Construction of an engineered and designed three-quarter mile segment of the Mississippi Blufflands State Trail along Red Wing's Mississippi River riverfront, from Barn Bluff Regional Park to Colvill Park.	\$ 550,000	\$ -	\$ 550,000	City of Red Wing	Jay Owens	Regional
09e	Swedish Immigrant Regional Trail Segment within Interstate State Park	Swedish Immigrant Regional Trail connection through Interstate Park to Taylors Falls City Hall. Build 180 bridge and trail segment A&B as illustrated. Segment C reviews and engineering only.	\$ 2,254,000	\$ -	\$ 2,254,000	Chisago County Environmental Services	Laird Mork	Regional
09f	Enhancement Plan for Superior Hiking Trail	Evaluate routing, safety, water management and other environmental and design issues of the Superior Hiking Trail and establish SHTA best practices methods for carrying out the resulting redesign plans.	\$ 100,000	\$ -	\$ 100,000	Superior Hiking Trail Association	Denny Caneff	Regional
09g	Protecting Mississippi River Headwaters Lands through Local, State, and Federal Partnership	A partnership among the City of Baxter, Brainerd Public Schools, Camp Ripley Sentinel Landscape program and The Conservation Fund will acquire 200 acres of riparian forest on the upper Mississippi River Headwaters.	\$ 700,000	\$ -	\$ 700,000	City of Baxter	Josh Doty	Regional
09h	Protecting North-Central Minnesota Lakes	This project will complete 18 permanent conservation easements, 30 forest management plans, and 20 best management practices (BMP) around Aitkin and Crow Wing Counties highest quality lakes.	\$ 750,000	\$ -	\$ 750,000	Crow Wing Soil and Water Conservation District	Sheila Boldt	Regional
09i	Easement Program for Native Prairie Bank	Native Prairie Bank will help landowners conserve native prairie through outreach to 10,000 landowners and practitioners, restoration and enhancement of 870 acres, and protection of 600 acres through conservation easements.	\$ 2,000,000	\$ -	\$ 2,000,000	MN DNR	Judy Schulte	Statewide
09j	Minnesota State Trail Development	This project is to focus on expanding recreational opportunities on Minnesotas State Trails through the development of new trail segments and/or the rehabilitation, improvement and enhancement of existing State Trails.	\$ 2,500,000	\$ -	\$ 2,500,000	MN DNR	Kent Skaar	Statewide
09k	Minnesota State Parks and State Trails	Minnesota State Parks and Trails land acquisition proposal is to acquire high priority parcels within legislatively authorized boundaries from willing sellers to protect Minnesota's environmental stewardship and enhance outdoor recreation.	\$ 2,500,000	\$ -	\$ 2,500,000	MN DNR	Jennifer Christie	Statewide
09l	Scientific and Natural Areas Program	Scientific and Natural Area (SNA) habitat restoration and improvements (1000+ acres), increased public involvement, and strategic acquisition (700+ acres) will conserve Minnesota's most unique and rare resources for everyone's benefit.	\$ 3,250,000	\$ -	\$ 3,250,000	MN DNR	Ann Pierce	Statewide
Land Acquisition, Habitat, and Recreation Subtotal =			\$ 17,439,000	\$ -	\$ 17,439,000			

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Subd. 10 Emerging Issues Account (1 Appropriation - Subtotal = \$439,000)								
10	Emerging Issues Account	n/a	\$ 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	n/a	\$ -	\$ -	\$ -	LCCMR	Jeff Freeman	Statewide
11b	Wastewater Treatment System Loans	n/a	\$ -	\$ -	\$ -	LCCMR	Jeff Freeman	Statewide
Wastewater Treatment Recommendations Subtotal =			\$ -	\$ -	\$ -			
Subd. 12 Contract Agreement Reimbursement (1 Appropriation - Subtotal = \$135,000)								
12	Contract Agreement Reimbursement	Provide continued contract management and customer service to ENRTF pass-through appropriation recipients. Ensure funds are expended in compliance with appropriation law, state statute, grants policies, and approved work plans.	\$ 135,000	\$ -	\$ 135,000	MN DNR	Katherine Sherman-Hoehn	Statewide
Contract Agreement Reimbursement Subtotal =			\$ 135,000	\$ -	\$ 135,000			
Art. 6, ENRTF Appropriation Bonds and Appropriations** (1 Appropriation - Subtotal = \$2,940,000)								
Subd. 4	REPEALED --FY2019 Debt Service on Appropriations Bonds**	n/a	\$ 2,940,000	\$ -	\$ 2,940,000	Minnesota Management and Budget	FBD	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