

M.L. 2020 Environment and Natural Resources Trust Fund (ENRTF) Proposals Tentatively Recommended as of July 17, 2019 (FY 2021)

As of July 17, 2019, the Legislative-Citizen Commission on Minnesota Resources (LCCMR) has tentatively selected through simple majority 77 projects totaling \$61,387,000 to recommend to the 2020 Minnesota Legislature for funding from the Environment and Natural Resources Trust Fund (ENRTF). A final decision on recommendations is pending. In response to LCCMR's 2020 Request for Proposal (RFP), 290 proposals requesting a total of approximately \$203 million were received and considered through a competitive, multi-stage evaluation. The following *tentative recommendations* range from funding the full proposal and dollar amount requested to partial funding for specific proposal elements.

| Topic Area | ENRTF \$ (\$61,387,000) | Percentage of Total |
|-------------------------------------------------------------------------------------------|----------------------------|---------------------|
| Subd. 03 Foundational Natural Resource Data and Information 15 Projects | \$8,593,000 | 14.00% |
| Subd. 04 Water Resources 8 Projects | \$3,653,000 | 5.95% |
| Subd. 05 Technical Assistance, Outreach, and Environmental Education 9 Projects | \$2,738,000 | 4.46% |
| Subd. 06 Aquatic and Terrestrial Invasive Species 7 Projects | \$10,425,000 | 16.98% |
| Subd. 07 Air Quality and Renewable Energy 3 Projects | \$573,000 | 0.93% |
| Subd. 08 Methods to Protect or Restore Land, Water, and Habitat 12 Projects | \$4,219,000 | 6.87% |
| Subd. 09 Land Acquisition, Habitat, and Recreation 21 Projects | \$29,551,000 | 48.14% |
| Subd. 10 Administration and Contract Agreement Reimbursement 1 Project | \$135,000 | 0.22% |
| Subd. 11 Wastewater Treatment Recommendations 1 Project | \$1,500,000 | 2.44% |
| Total Project \$ | \$61,387,000 | 100.00% |

| Fund Source | ENRTF \$ |
|-----------------------------------------------------------------------|---------------------|
| FY 2021 - Environment and Natural Resources Trust Fund (ENRTF) | \$61,387,000 |
| Total \$ | \$61,387,000 |

**M.L. 2020 Environment and Natural Resources Trust Fund (ENRTF)
Projects Tentatively Recommended as of July 17, 2019 (FY2021)**

| Draft Work Plan Subd. | Original Proposal ENRTF ID | Title | Summary | Total ENRTF \$ FY2021 | Organization | Project Manager | Region* |
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| Subd. 03 Foundational Natural Resource Data and Information (15 Projects - Subtotal = \$8,593,000) | | | | | | | |
| 03a | 001-A | Geologic Atlases for Water Resource Management | Geologic atlases provide maps/databases essential for improved management of ground and surface water. This proposal will complete current projects and start new projects to equal about 10 complete atlases. | \$ 2,000,000 | U of MN - Minnesota Geological Survey | Barbara Lusardi | Statewide |
| 03b | 002-A | Expanding Minnesota Ecological Monitoring Network | This project proposes to expand the Ecological Monitoring Network by adding 500 plots to inform the conservation and management of Minnesota's native forests, wetlands, and grasslands. | \$ 800,000 | MN DNR | Hannah Texler | Statewide |
| 03c | 007-A | County Groundwater Atlas | The groundwater atlas provides essential fundamental information for sustainable management and wise use of Minnesotas groundwater resources. Atlases are used by citizens, industry, agriculture and all levels of government. | \$ 1,125,000 | MN DNR | Paul Putzier | Statewide |
| 03d | 008-A | Foundational Hydrology Data for Wetland Protection and Restoration | This project will improve wetland protection, management and restoration in Minnesota by completing a partially established long-term wetland hydrology monitoring network that will provide critical knowledge of wetland hydrology dynamics. | \$ 400,000 | MN DNR | Doug Norris | Statewide |
| 03e | 014-A | Voyageurs Wolf Project – Phase II | Wolf predation in summer is almost unknown but critical to deer, moose, wolf, and CWD management. With novel, proven methods, we'll study wolf predation in summer and promote Voyageurs' region wildlife. | \$ 575,000 | U of MN | Joseph Bump | NE |
| 03f | 016-A | Expanding Restoration and Promoting Awareness of Native Mussels | The Minnesota Zoo will promote mussel conservation by rearing juvenile mussels for reintroduction, researching methods to improve growth and survival in captivity, and encouraging public action to benefit water quality. | \$ 489,000 | Minnesota Zoological Society | Seth Stapleton | Statewide |
| 03g | 017-A | Improving Pollinator Conservation by Revealing Habitat Needs | Wild pollinators must survive outdoors during our harsh Minnesota winters. We aim to help them persist by discovering habitats they require for shelter through statewide citizen scientists and novel analyses | \$ 500,000 | U of MN | Colleen Satyshur | Statewide |

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| 03h | 018-A | Bee Minnesota - Protect our Native Bumblebees | By screening and neutralizing bee pathogens we wish to promote best management practices to maintain honey bee health and prevent pathogen spill-over into native bee populations. | \$ 650,000 | U of MN | Declan Schroeder | Statewide |
| 03i | 019-A | Bobcat and Fisher Habitat Use and Interactions | We will describe habitat use, diet, and activity patterns of bobcats and fishers to understand why bobcats kill female fishers and identify potential solutions to reverse the fisher population decline. | \$ 400,000 | U of MN | Michael Joyce | Central, Metro, NW, NE |
| 03j | 025-A | Healthy Prairies III: Restoring Minnesota Prairie Plant Diversity | We will collect and preserve germplasm of plants throughout Minnesotas prairie region, study microbial effects on them, and discover the scale of local adaptation and the capacity for ongoing adaptation. | \$ 500,000 | U of MN | Ruth Shaw | Central, Metro, NW, SW, SE |
| 03k | 040-A | Freshwater Sponges and AIS: Engaging Citizen Scientists | The project will study the geographical spread, taxonomic diversity and anti-fouling potential of freshwater sponges against aquatic invasive species by involving faculty, students and citizen scientists. | \$ 400,000 | U of MN | Venugopal Mukku | Statewide |
| 03l | 047-AH | Do Beavers Buffer Against Droughts and Floods? | We propose to use existing data sets to link beaver population data to water storage in beaver ponds, to determine if they buffer against droughts and floods. | \$ 168,000 | Voyageurs National Park | Steve Windels | NE |
| 03m | 048-AH | Enhancing Bat Recovery by Optimizing Artificial Roost Structures | Project will identify characteristics of successful artificial bat roost structures. Data will be used to optimize bat use and reproduction in these structures to improve survival of WNS impacted bats. | \$ 190,000 | MN DNR | Ed Quinn | Statewide |
| 03n | 049-AH | Tools for Supporting Healthy Ecosystems and Pollinators | This project will create a pollination companion guide to MNDNR's Field Guides to Native Plant Communities for conservation practitioners to better integrate plant-pollinator interactions into natural resource planning and decision-making. | \$ 198,000 | MN DNR | Jessica Petersen | Statewide |
| 03o | 056-AH | Conserving Black Terns and Forster's Terns in Minnesota | Black Tern and Forster's Tern populations have declined. Comprehensive assessment of distribution and breeding status will identify population limiting factors for best management practices and prioritizing conservation and restoration efforts. | \$ 198,000 | U of MN - Duluth NRRI | Annie Bracey | Statewide |
| Foundational Natural Resource Data and Information Subtotal = | | | | \$ 8,593,000 | | | |

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| Subd. 04 Water Resources (8 Projects - Subtotal = \$3,653,000) | | | | | | | |
| 04a | 070-B | Unprecedented Change Threatens Minnesota's Pristine Lakes | Why are Minnesota's nicest lakes turning green? We determine what's causing this change and which lakes are most at risk. | \$ 600,000 | Science Museum of Minnesota | Mark Edlund | Central, NW, NE |
| 04b | 080-B | Managing Highly Saline Waste from Municipal Water Treatment | We will develop a cost- and energy-efficient method of managing the concentrated saline waste from a municipal desalination plant, increasing the economic feasibility of centralized water softening and sulfate removal. | \$ 250,000 | U of MN | Natasha Wright | Statewide |
| 04c | 083-B | Technology for Energy-Generating On-site Industrial Wastewater Treatment | We will develop "off the shelf" technology to treat industrial wastewater onsite, turning pollutants into hydrogen and methane for energy. This will lead to water quality benefits and cost savings. | \$ 450,000 | U of MN | Paige Novak | Statewide |
| 04d | 087-B | Microplastics: Transporters of Contaminants in Minnesota Waters | Microplastics are ubiquitous environmental contaminants, can transport contaminants of concern (COCs), and pose a major environmental threat. We will determine how microplastics affect contaminant fate and transport in Minnesota waters. | \$ 425,000 | U of MN | Lee Penn | Statewide |
| 04e | 098-B | Developing Strategies to Manage PFAS in Land-Applied Biosolids | This projects helps municipal wastewater plants, landfills, and compost facilities protect human health and the environment by developing strategies to manage per- and polyfluoroalkyl substances (PFAS) in land-applied biosolids. | \$ 1,000,000 | Minnesota Pollution Control Agency | Summer Streets | Statewide |
| 04f | 104-B | Quantifying New Urban Precipitation and Water Reality | Better understanding of groundwater and surface water interactions will be used to improve future infrastructure planning, reducing damage to home basements and underground infrastructure resulting from recent high water tables. | \$ 500,000 | U of MN | Joe Magner | Statewide |
| 04g | 114-B | Innovative Solution for Protecting Minnesota from PFAS Contamination | Demonstration of an innovative technology to protect the States drinking water and natural resources by eliminating Perfluoroalkyl and Polyfluoroalkyl substances (PFAS) from point source discharges. | \$ 250,000 | Dem-Con | Bill Keegan | Metro |
| 04h | 116-BH | Expanding Protection of Minnesota Water through Industrial Conservation | Decrease water demand in communities at risk for inadequate ground water supply or quality by providing technical assistance to identify cost-effective ways to reduce industrial/commercial water use. | \$ 178,000 | U of MN | Laura Babcock | Statewide |

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| Water Resources Subtotal = \$ | | | | 3,653,000 | | | |
| Subd. 05 Technical Assistance, Outreach, and Environmental Education (9 Projects - Subtotal = \$2,738,000) | | | | | | | |
| 05a | 122-C | Statewide Environmental Education via Public Television Outdoor Series | Pioneer Public TV will produce 26 new episodes of a statewide outdoor public television series designed to inspire Minnesotans to connect with the outdoors and restore and protect the environment. | \$ 300,000 | Pioneer Public Television | Cindy Dorn | Statewide |
| 05b | 123-C | Minnesota Freshwater Quest: Environmental Education on State Waterways | 30,000 underserved Minnesota youth (6-12 grade) explore and improve their local waterways through the "MN Freshwater Quest"—using freshwater species as the hook for place-based, hands-on environmental education. | \$ 500,000 | Wilderness Inquiry | Julie Edmiston | Statewide |
| 05c | 124-C | Teach Science: Schools as STEM Living Laboratories | TeachScience will connect new science standards, renewable energy, and STEM opportunities through teacher training and support across the state to prepare students for the challenges and careers of the future. | \$ 250,000 | Climate Generation: A Will Steger Legacy | Kristen Poppleton | Statewide |
| 05d | 125-C | Mentoring Next Generation of Conservation Professionals | 57 diverse young people will work with and learn from USFWS professionals in paid internships and apprenticeships on the Minnesota Valley National Wildlife Refuge and Wetland Management District. | \$ 500,000 | Minnesota Valley National Wildlife Refuge Trust, Inc. | Deborah Loon | Central, Metro, SE |
| 05e | 127-C | Jay C. Hormel Nature Center Supplemental Teaching Staff | The Jay C. Hormel Nature Center would like to offer its environmental education curriculum to more southeast Minnesota students by hiring an additional naturalist and interns for three years. | \$ 225,000 | City of Austin | Luke Reese | SE |
| 05f | 129-C | 375 Underserved Youth Learn Minnesota Ecosystems by Canoe | Increase opportunity for 450 underserved, diverse teens, from urban and first-ring suburbs, to experience and connect to environmental sciences in the natural world through YMCA canoeing/learning expeditions with experienced counselors. | \$ 375,000 | YMCA of the Greater Twin Cities | Kurt Simer | Metro, NE |
| 05g | 137-CH | YES! Students Take on Water Quality Challenge - Phase II | YES! teams statewide will mobilize local watershed stewardship efforts in 20 communities through student-driven action projects, filling the urgent need for citizen participation to protect and clean-up Minnesota waters. | \$ 199,000 | Prairie Woods Environmental Learning Center | Shelli-Kae Foster | Statewide |

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| 05h | 138-CH | Engaging Minnesotans with Phenology: Radio, Podcasts, Citizen Science | This project builds next generation conservationists using phenology, radio broadcasts, podcasts, and an online, interactive map interface to inspire teachers, students and the public to get outside and experience nature. | \$ 198,000 | Northern Community Radio, Inc. | Maggie Montgomery | Statewide |
| 05i | 139-CH | Driving Conservation Behavior for Native Mussels and Water Quality | The Minnesota Zoo will develop research-supported strategies to engage the public in specific conservation behaviors they can take in order to improve water quality and mussel health across the state. | \$ 191,000 | Minnesota Zoo | Emily Kalnicky | Statewide |
| Technical Assistance, Outreach, and Environmental Education Subtotal = | | | | \$ 2,738,000 | | | |
| Subd. 06 Aquatic and Terrestrial Invasive Species (7 Projects - Subtotal = \$10,425,000) | | | | | | | |
| 06a | 155-D | Minnesota Invasive Terrestrial Plants and Pests Center (MITPPC) - Phase V | The Minnesota Invasive Terrestrial Plants and Pests Center (MITPPC) requests \$7 million to accelerate up to 15 new, high-priority research projects that will lead to better management of invasive species on the land. | \$ 5,000,000 | U of MN - MITPPC | Robert Venette | Statewide |
| 06b | 156-D | Protect Community Forests by Managing Ash for Emerald Ash Borer | Project will reduce EAB through community developed management (inventory, canopy assessment, management plan, removal, non-neonicotinoid treatment) and improve their community forest by involving citizens and planting a diversity of trees. | \$ 3,500,000 | MN DNR | Valerie McClannahan | Statewide |
| 06c | 157-D | Biological Control of White-Nose Syndrome in Bats - Phase III | Testing of best biocontrol microbes for controlling white nose syndrome (WNS) in bats: Mapping of fungal pathogen, field testing, and assessment of a WNS-free cave with healthy bats | \$ 440,000 | U of MN | Christine Salomon | Statewide |
| 06d | 158-D | Applying New Tools and Techniques Against Invasive Carp | Invasive carp pose a major threat to Minnesota's rivers and lakes. The Minnesota DNR will apply cutting edge techniques to keep these aquatic pests at bay. | \$ 478,000 | MN DNR | Brian Nerbonne | Central, SW |
| 06e | 159-D | Emerald Ash Borer and Black Ash: Maintaining Forests and Benefits | Utilize ongoing experiments to determine longterm EAB impacts on water, vegetation, and wildlife; optimal replacement species and practices for forest diversification; develop indicators and criteria for prioritization of mitigation activities. | \$ 700,000 | U of MN | Robert Slesak | Statewide |
| 06f | 167-DH | Testing Effectiveness of Aquatic Invasive Species Removal Methods | The best way to prevent AIS spread in Minnesota is to stop the transfer of water and living material between lakes. We will test how well boat cleaning methods work | \$ 110,000 | U of MN - Duluth NRRI | Valerie Brady | Statewide |

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| 06g | 168-DH | Invasive <i>Didymosphenia</i> Threatens North Shore Streams | We examine the recent spread, origin, cause, and economic and ecological threat of nuisance rock snot formation in North Shore streams and Lake Superior to inform management and outreach. | \$ 197,000 | Science Museum of Minnesota | Mark Edlund | NE |
| Aquatic and Terrestrial Invasive Species Subtotal = | | | | \$ 10,425,000 | | | |
| Subd. 07 Air Quality and Renewable Energy (3 Projects - Subtotal = \$573,000) | | | | | | | |
| 07a | 173-E | Storing Renewable Energy in Flow Battery for Grid Use | The University of Minnesota Morris, Otter Tail Power Company, business and project partners will install a large flow-battery for storing renewable energy and grid optimization, and research the battery's performance. | \$ 250,000 | U of MN - Morris | Bryan Herrmann | Central |
| 07b | 198-EH | Eco-Friendly Plastics from Cloquet Pulp-Mill Lignin | We will reduce environmental pollution from plastics by creating eco-friendly replacements using lignin from the pulp mill in Cloquet. The lignin plastics will be similar in strength to polystyrene. | \$ 193,000 | U of MN | Simo Sarkanen | Central, NW, NE |
| 07c | 199-EH | Diverting Unsold Food from Landfills and Reducing Greenhouse Gases | This project will help us expand a Prepared Foods Donation Program, which will source food donations from restaurants and prevent food from going to landfills; thereby reducing greenhouse gas emission. | \$ 130,000 | Second Harvest Heartland | April Rog | Metro |
| Air Quality and Renewable Energy Subtotal = | | | | \$ 573,000 | | | |
| Subd. 08 Methods to Protect or Restore Land, Water, and Habitat (12 Projects - Subtotal = \$4,219,000) | | | | | | | |
| 08a | 207-F | Pollinator Central: Habitat Improvement with Citizen Monitoring | Restore / enhance 500 acres of pollinator habitat on 20 traditional and nontraditional sites, from Hastings to St. Cloud, to benefit pollinators and build knowledge of impact through citizen monitoring. | \$ 750,000 | Great River Greening | Rebecca Tucker | Central, Metro |
| 08b | 209-F | Pollinator and Beneficial Insect Strategic Habitat Program | This project address dramatic declines of beneficial insects by building a new BWSR initiative to strategically restore and enhance approximately 1000 acres of diverse native habitat over 100 projects. | \$ 750,000 | MN Board of Water and Soil Resources | Dan Shaw | Statewide |
| 08c | 215-F | Lignin-Coated Fertilizers for Phosphate Control | This project will test a new natural slow-release fertilizer coating made from processed wood, which will decrease phosphorus runoff from farmland while also storing carbon in soils. | \$ 250,000 | U of MN - Duluth NRRI | Eric Singaas | Statewide |

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| 08d | 216-F | Implementing Hemp Crop Rotation to Improve Water Quality | We will evaluate how hemp crops may reduce nitrogen contamination of surface and groundwater in conventional crop rotations while demonstrating the environmental and economic benefits of hemp grain production. | \$ 700,000 | Central Lakes College | Keith Olander | Central, Metro, SW |
| 08e | 218-F | Developing Cover-Crop Systems for Sugar Beet Production | Cover crops in sugarbeet production can reduce erosion and nutrient loss from agroecosystems in West-Central and Northwest Minnesota. Developing agronomic guidelines will support growers adopting sustainable practices. | \$ 300,000 | U of MN | Anna Cates | Central, NW |
| 08f | 219-F | Native Eastern Larch Beetle Decimating Minnesota's Tamarack Forests | Eastern larch beetle, native to Minnesota, is suddenly decimating Minnesota's tamarack forests. This proposal develops insect management techniques and determines how bad this problem may remain in the future. | \$ 398,000 | U of MN | Brian Aukema | Central, Metro, NW, NE |
| 08g | 224-F | Habitat Associations of Mississippi Bottomland Forest Marsh Birds | This project will determine habitat associations of breeding bottomland forest birds in response to restoration actions along the Mississippi River at the Reno Bottoms outside Reno, MN. | \$ 275,000 | National Audubon Society | Luis Ramirez | SE |
| 08h | 244-FH | Peatland Restoration in the Lost River State Forest | The project will collect physical attributes from the drained peatlands, incorporate the data into a decision matrix, and generate a report detailing restoration potential throughout the Lost River State Forest. | \$ 135,000 | Roseau River Watershed District | Torin McCormack | NW |
| 08i | 245-FH | Prescribed Burning for Brushland-Dependent Species - Phase II | Brushlands provide critical habitat for >250 wildlife species. We compare effects of spring, summer and fall burns on birds and vegetation, providing much needed management guidelines for this key habitat. | \$ 147,000 | U of MN | Rebecca Montgomery | NE |
| 08j | 247-FH | Pollinator Habitat Creation Along Urban Mississippi River | To improve habitat for pollinators and other wildlife, we will remove invasive plants and replace them with high-value native species at three urban sites along the Mississippi River. | \$ 129,000 | Friends of the Mississippi River | Betsy Daub | Metro |
| 08k | 255-FH | Increase Golden Shiner Production to Protect Aquatic Communities | We propose four strategies to increase Golden Shiner (bait) production in-state because angler demand exceeds production. Suggested importation from out-state creates high risk of introducing aquatic invasive species and disease. | \$ 188,000 | U of MN - Duluth - Sea Grant | John Downing | Statewide |

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| 08l | 259-FH | Restoring Turf to Native Pollinator Gardens Across Metro | Turf to Pollinator Gardens will transition ecologically-degrading turf to native gardens throughout the Regional Park System to provide critical pollinator habitat, long-term stewardship, and help connect diverse populations with nature. | \$ 197,000 | Wilderness in the City | Holly Jenkins | Metro |
| Methods to Protect or Restore Land, Water, and Habitat Subtotal = \$ | | | | 4,219,000 | | | |
| Subd. 09 Land Acquisition, Habitat, and Recreation (21 Projects - Subtotal = \$29,551,000) | | | | | | | |
| 09a | 261-G | DNR Scientific and Natural Areas | Scientific and Natural Area (SNA) habitat restoration and improvements (1000+ acres), increased public involvement and strategic acquisition (500+ acres) will conserve Minnesota's most unique and rare resources for everyone's benefit. | \$ 3,000,000 | MN DNR | Molly Roske | Statewide |
| 09b | 262-G | Private Native Prairie Conservation through Native Prairie Bank | Native Prairie Bank will help landowners conserve native prairie through multiple outreach methods, restoration and enhancement of 770 acres, and protection of 150 acres through conservation easements. | \$ 2,000,000 | MN DNR | Judy Schulte | Central, NW, SW, SE |
| 09c | 263-G | Minnesota State Parks and State Trails Inholdings | Acquire high priority State Park, State Recreation Area and State Trail in-holding parcels from willing sellers to protect Minnesotas natural and cultural heritage, enhance outdoor recreation and promote tourism. | \$ 3,500,000 | MN DNR | Jennifer Christie | Statewide |
| 09d | 264-G | 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. | \$ 2,400,000 | MN DNR | Audrey Mularie | Statewide |
| 09e | 265-G | Mississippi River Aquatic Habitat Restoration and Mussel Reintroduction | MPRB and its scientific partners will undertake a large-scale project to restore lost habitat in the Mississippi River and reintroduce mussels above St. Anthony Falls. | \$ 1,800,000 | Minneapolis Park and Recreation Board | Adam Arvidson | Metro |
| 09f | 266-G | Minnesota Hunter Walking Trails: Public Land Recreational Access | Within Minnesotas ~1,000 hunter walking trail system; restore/upgrade ~200 trailheads and ~80 miles of trail; develop ~20 miles of new trail; and compile enhanced maps for management and public users. | \$ 300,000 | Ruffed Grouse Society | Gary Drotts | Central, NW, NE |

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| 09g | 267-G | Turning Back to Rivers: Environmental and Recreational Protection | This project will help communities acquire priority land along the Mississippi, St. Croix, and Minnesota Rivers, and their tributaries, protecting the environment and water quality while creating much-needed recreational opportunities. | \$ 1,000,000 | The Trust for Public Land | DJ Forbes | Central, Metro, SW, SE |
| 09h | 268-G | Metropolitan Regional Parks System Land Acquisition - Phase VI | This project will acquire approximately five properties with high-quality natural resources or strong natural resource restoration potential for the metropolitan Regional Parks System. | \$ 1,000,000 | Metropolitan Council | Jessica Lee | Metro |
| 09i | 269-G | Minnesota State Trails Development | This project proposes to expand recreational opportunities on Minnesota State Trails through the development of new trail segments and the rehabilitation and enhancement of existing State Trails. | \$ 994,000 | MN DNR | Kent Skaar | Statewide |
| 09j | 270-G | Elm Creek Restoration - Phase IV | Elm Creek Habitat Restoration Improvements includes 0.7 miles of habitat and stream restoration up-gradient of the Mill Pond Lakes and flows through the Elm Creek Protection Areas. | \$ 500,000 | City of Champlin | Todd Tuominen | Metro |
| 09k | 271-G | Superior Hiking Trail As Environmental Showcase | Renew the Superior Hiking Trail (SHT) to minimize environmental damage, make it safer for users, and make it more resistant to increased traffic and climate change. | \$ 450,000 | Superior Hiking Trail Association | Denny Caneff | NE |
| 09l | 274-G | Upper St. Anthony Falls Enhancements | The City of Minneapolis and Friends of the Lock & Dam seek fee title acquisition of land abutting the Upper Lock for recreational and educational purposes. | \$ 2,800,000 | Friends of the Lock & Dam | Kjersti Monson | Metro |
| 09m | 275-G | Whiskey Creek and Mississippi River Water Quality, Habitat, and Recreation | Project will purchase 13.8 acres and construct water quality, habitat, and recreational improvements to protect the Mississippi River from contaminants in the 400-acre, highly impervious watershed in Baxter Minnesota. | \$ 500,000 | Mississippi Headwaters Board | Tim Terrill | Central |
| 09n | 276-G | Perham to Pelican Rapids Regional Trail (West Segment) | Requesting funding for the West Segment (6.83 miles) of the 32-mile Perham to Pelican Rapids Regional Trail that will connect the city of Pelican Rapids to Maplewood State Park. | \$ 2,600,000 | Otter Tail County | Charles Grotte | Central |
| 09o | 277-G | Crow Wing County Community Natural Area Acquisition | Crow Wing County acquisition of three private parcels adjacent to the historic fire tower property will allow for diverse recreational opportunities while protecting wildlife habitat and preventing forest fragmentation. | \$ 400,000 | Crow Wing County | Ryan Simonson | Central |

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| 09p | 279-G | Rocori Trail - Phase III | This project consists of the design and construction of Phase 3 of the Rocori Trail along the old BNSF rail corridor and will connect Cold Spring, Richmond and Rockville. | \$ 1,200,000 | Rocori Trail Construction Board | Pete Weber | Central |
| 09q | 281-G | Mesabi Trail: New Trail and Additional Funding | Constructing two new Mesabi Trail segments and one new trail head; and additional funding for trail segments currently in development. | \$ 1,000,000 | St. Louis and Lake Counties Regional Railroad Authority | Robert Manzoline | NE |
| 09r | 283-G | Ranier Safe Harbor and Transient Dock on Rainy Lake | To construct a dock in Ranier which would accommodate boats 26 feet or longer with the goal of increasing public access for boat recreation on Rainy Lake. | \$ 762,000 | City of Ranier | Sherril Gautreaux | NE |
| 09s | 284-G | Crane Lake Voyageurs National Park Campground and Visitors Center | This project consists of the design and construction of a new campground and site preparation/permitting/engineering/design for a new Visitors Center in Crane Lake; the gateway to the Voyageurs National Park. | \$ 3,100,000 | Town of Crane Lake | Jim Janssen | NE |
| 09t | 285-GH | Chippewa County Acquisition, Recreation and Education | Chippewa County will acquire 51 acres of riverine wetland/floodplain forest complex, floodplain and abandoned gravel pits along the MN River to provide water filtration, education and recreational opportunities. | \$ 160,000 | Chippewa County | Scott Williams | SW |
| 09u | 289-GH | Sportsmen's Training and Developmental Learning Center | The Minnesota Forest Zone Trappers Association is requesting LCCMR funds to complete a site evaluation and for the development of a master plan for their outdoor educational learning center. | \$ 85,000 | Minnesota Forest Zone Trappers Association | Ray Sogard | NE |
| Land Acquisition, Habitat, and Recreation Subtotal = | | | | \$ 29,551,000 | | | |
| Subd. 10 Contract Agreement Reimbursement (1 Project - Subtotal = \$135,000) | | | | | | | |
| 10 | 290-I | 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 | MN DNR | Katherine Sherman-Hoehn | Statewide |
| Contract Agreement Reimbursement Subtotal = | | | | \$ 135,000 | | | |
| Subd. 11 Wastewater Treatment Recommendations (1 Project - Subtotal = \$1,500,000) | | | | | | | |
| 11 | 291-J | Wastewater Treatment Recommendations | n/a | \$ 1,500,000 | Public Facilities Authority | Jeff Freeman | Statewide |
| Wastewater Treatment Recommendations Subtotal = | | | | \$ 1,500,000 | | | |
| Total Project \$ = | | | | \$ 61,387,000 | | | |

**M.L. 2020 Environment and Natural Resources Trust Fund (ENRTF)
Projects Tentatively Recommended as of July 17, 2019 (FY2021)**

| Draft Work Plan Subd. | Original Proposal ENRTF ID | Title | Summary | Total ENRTF \$ FY2021 | Organization | Project Manager | Region* |
|--------------------------|----------------------------------|-------|---------|--------------------------|--------------|-----------------|---------|
|--------------------------|----------------------------------|-------|---------|--------------------------|--------------|-----------------|---------|

* Region 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.