

Chpt. 214 (HF 4425); Art 4 & 6 2018 Environment and Natural Resources Trust

Fund

Subd.	ENRTF ID #	Project Title	Organization	ENRTF	
				FY2018	FY2019
Subd. 03 Foundational Natural Resource Data and Information					
03a	001-A	County Geologic Atlases - Part A	U of MN - MN Geological Survey		\$1,240,000
03b	003-A	Providing Critical Water Quality Information for Lake Management	U of MN		\$250,000
03c	004-A	Minnesota Biodiversity Atlas - Phase 2	U of MN		\$350,000
03d	006-A	Peatland Forest Management	U of MN		\$600,000
03e	013-A	Assessing Natural Resource Benefits Provided by Lichens and Mosses	U of MN		\$213,000
03f	014-A	Develop a System to Assess Wildlife Health Threats in Minnesota	U of MN		\$280,000
03g	016-A	Conservation of Minnesota's Forest Birds of Management Concern	U of MN - Duluth NRRI		\$500,000
03h	018-A	Mapping Avian Movement in Minnesota	U of MN - Duluth NRRI		\$200,000
03i	022-A	Improve Trout Stream Management by Understanding Variable Winter Thermal Conditions	U of MN		\$400,000
03j	030-A	Develop Sonar Data Mapping on Three Rivers to Assess Native Mussel Habitat Suitability	National Park Service		\$200,000
03k	011-A	Conserving Minnesota's Nine Species of Freshwater Turtles	Minnesota Zoological Garden		\$300,000
			Subtotal:	\$0	\$4,533,000
Subd. 04 Water Resources					
04a	035-B	Pilot Program to Optimize Local Mechanical and Pond Wastewater Treatment Plants	Minnesota Pollution Control Agency	\$89,000	\$611,000
04b	034-B	Assess and Develop Strategies to Remove Microscopic Plastic Particle Pollution from Minnesota Water Bodies	U of MN		\$300,000
04c	037-B	Reduce Chlorides in Minnesota Waters by Evaluating Road Salt Alternatives and Pavement Innovations	U of MN		\$400,000
04d	041-B	Protect Water Quality with Efficient Removal of Contaminants in Storm Water Treatment Ponds	St. Cloud State University		\$325,000
04e	048-B	Develop a Small and Inexpensive Community Drinking Water Purification System	U of MN		\$425,000
04f	054-B	Evaluate Emerging Pathogens in Lakes, Rivers, and Tap Water to Keep Drinking Water Safe	U of MN		\$325,000
04g	064-B	Characterize Unregulated Contaminants in Source Water and Drinking Water	Minnesota Department of Health		\$1,000,000
04h	039-B	Mapping Antibiotic Resistance in Minnesota to Help Protect Environmental, Animal, and Human Health	U of MN		\$750,000
04i	055-B	Farmer-led Expansion of Alfalfa Production to Increase Water Protection	U of MN		\$500,000

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04j	057-B	Using Perennial Grain Crops in Wellhead Protection Areas to Protect Groundwater	Minnesota Department of Agriculture		\$250,000
04k	094-B	Implement a Pilot Storm Water Credit Trading System in the Shell Rock River Watershed to Improve Water Quality	Shell Rock River Watershed District		\$300,000
4l		Lake Alexandria Sanitary District Phosphorus Reduction	BWSR		\$600,000
			Subtotal:	\$89,000	\$5,786,000

Subd. 05 Environmental Education

05a	109-C	Prairie Sportsman Statewide Environmental Broadcasts and Videos	Pioneer Public Television		\$300,000
05b	106-C	YES! Students Take on Minnesota Water Quality Challenge	Prairie Woods Environ. Learning Center		\$213,000
05c	112-C	Get Outdoors after School Training	Project Get Outdoors Inc		\$30,000
05d	101-C	Connecting Students with Water Stewardship through Hands-on Learning	Minnesota Trout Unlimited		\$400,000
05e	121-C	Expanding River Watch Program on the Minnesota River With High School Teams	Friends of the Minnesota Valley		\$100,000
05f	102-C	Pollinator Ambassadors Program for Gardens	U of MN		\$250,000
05g	118-C	Morris Prairie Pollinator Demonstration Area and Education	U of MN		\$550,000
05h	120-C	Expanding Nature Knowledge and Experience with New Interactive Exhibits at North Mississippi Regional Park	Minneapolis Parks and Recreation Board		\$500,000
05i	127-C	Update International Wolf Center Exhibits	International Wolf Center		\$1,000,000
05j	108-C	Expanding the State's Reuse Economy to Conserve Natural Resources	ReUSE Minnesota		\$275,000
05k	164-E	Expand Materials Reuse and Recycling Jobs Program	The NetWork for Better Futures MN		\$800,000
05l	099-C	Increase Diversity in Environmental Careers to Serve Minnesota's Changing Demographics	MN DNR		\$550,000
			Subtotal:	\$0	\$4,968,000

Subd. 06 Aquatic and Terrestrial Invasive Species

06a	132-D	Minnesota Invasive Terrestrial Plants and Pests Center - Phase 4	U of MN		\$3,500,000
06b	141-D	Palmer Amaranth Detection and Eradication Continuation	Minnesota Department of Agriculture		\$431,000
06c	152-D	Evaluate Control Methods for Invasive Hybrid Cattails	Voyageurs National Park		\$131,000
06d	133-D	Developing RNA Interference to Control Zebra Mussels	U.S. Geological Survey		\$500,000
06e	134-D	Install and Evaluate an Invasive Carp Deterrent for Mississippi River Locks and Dams	U of MN		\$998,000
06f	139-D	Determining Risk of a Toxic Algal in Minnesota Lakes	Science Museum of MN - St. Croix Research Station		\$200,000
			Subtotal:	\$0	\$5,760,000

Subd. 07 Air Quality, Climate Change, and Renewable Energy

07a	158-E	Develop Solar Window Concentrators for Electricity	U of MN		\$350,000
07b	159-E	Community-Scale Renewable Energy Storage System Demonstrations	U of MN		\$550,000

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07c	160-E	Develop Inexpensive Energy from Simple Roll-to-Roll Manufacturing	The University of Minnesota		\$300,000
			Subtotal:	\$0	\$1,200,000

Subd. 08 Methods to Protect, Restore, and Enhance Land, Water, and Habitat

08a	178-F	Nongame Wildlife Program Acceleration	MN DNR		\$220,000
08b	195-F	Develop BioMulch to Replace Plastic Soil Covering in Vegetable and Fruit Production to Increase Yield and Reduce Waste	U of MN - Southwest Research and Outreach Center Lamberton		\$310,000
08c	180-F	Develop Market-Based Alternatives for Perennial Crops to Benefit Water Quality and Wildlife	Science Museum of MN - St. Croix Research Station		\$150,000
08d	157-E	Agricultural Weed Control Using Autonomous Mowers	U of MN - Morris		\$750,000
08e	182-F	Restoring Forests in Minnesota State Parks	MN DNR		\$250,000
08f	189-F	Develop Timber Harvest Strategies to Minimize Soil Impacts to Maintain Healthy and Diverse Forests	U of MN		\$200,000
08g	186-F	Restoring Wetland Invertebrates to Revive Wildlife Habitat	MN DNR		\$400,000
08h	179-F	Preserving and Restoring Minnesota's Native Orchids - Phase 2	U of MN		\$259,000
			Subtotal:	\$0	\$2,539,000

Subd. 09 Land Acquisition for Habitat and Recreation

09a	201-G	Local Parks, Trails, and Natural Area Grants	MN DNR		\$2,000,000
09b	205-G	Develop a Mesabi Trail Segment From County Road 88 to Ely	St. Louis & Lake Counties Reg. Railroad Authority		\$600,000
09c	207-G	Harmony State Trail Extension Land Acquisition	City of Harmony		\$235,000
09d	208-G	Mississippi Blufflands State Trail - Red Wing Barn Bluff to Colvill Park Segment	City of Red Wing		\$550,000
09e	212-G	Swedish Immigrant Regional Trail Segment within Interstate State Park	Chisago County Environmental Services		\$2,254,000
09f	209-G	Superior Hiking Trail Enhancement Plan	Superior Hiking Trail Association		\$100,000
09g	213-G	Protecting Mississippi River Headwaters Lands through a Local State and Federal Partnership	City of Baxter		\$700,000
09h	215-G	Protecting North-Central Minnesota Lakes	Crow Wing SWCD		\$750,000
09i	203-G	Native Prairie Bank Easement Program	MN DNR		\$2,000,000
09j	202-G	Minnesota State Trail Development	MN DNR		\$2,500,000
09k	200-G	Minnesota State Parks and State Trails	MN DNR		\$2,500,000
09l	199-G	Scientific and Natural Areas Program	MN DNR		\$3,250,000
			Subtotal:	\$0	\$17,439,000

Subd.	ENRTF ID #	Project Title	Organization	ENRTF	
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Subd. 10 Emerging Issues Acct					
10		Emerging Issues Acct			\$439,000
			Subtotal:	\$0	\$439,000
Subd. 12 Contract Agreement Reimbursement					
10a	217-H	Contract Agreement Reimbursement	MN DNR		\$135,000
			Subtotal:	\$0	\$135,000
			TOTAL BILL/ART.1:	\$89,000	\$42,799,000
Art. 6 - Debt Service*					
		FY2019 Debt Service on appropriation bonds*	MMB		\$2,940,000
			TOTAL ART.2:	\$0	\$2,940,000
TOTAL ENVIRONMENT AND NATURAL RESOURCES TRUST FUND					
			TOTAL ENRTF:	\$89,000	\$45,739,000

Art. 6. Appropriation Bonds - ENRTF					
		Department of Natural Resources			
05(1)		Natural Resources Asset Preservation	DNR		\$3,419,000
05(2)		Elk-River- Lake Orono Dredging	DNR		\$1,500,000
05(3)		Seidl's Lake; South St. Paul; Storm water Improvements	DNR		\$781,000
			subtotal DNR		\$5,700,000
		Pollution Control Agency			
06(1)		Anoka County - Closed Landfill	PCA		\$6,000,000
06(2)		Lake Redwood Reclamation	PCA		\$7,300,000
			subtotal PCA		\$13,300,000
		Board of Water & Soil Resources			
(07)		Reinvest in Minnesota Program (CREP)	BWSR		\$10,000,000
			subtotal BWSR		\$10,000,000
		Public Facilities Authority			
08(1)		State Match for Federal Grants	PFA		\$6,000,000
08(2)		Water Infrastructure Funding Program	PFA		\$14,652,000
08(3)		Point Source Implementation Grants	PFA		\$38,348,000
			subtotal PFA		\$59,000,000
		Metropolitan Council			
(09)		Metro Parks & Trails Capital Improvements	Met Council		\$10,000,000
			subtotal Met Council		\$10,000,000
			Total Bonds	\$0	\$98,000,000

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