

Environment and Natural Resources Trust Fund
ML 2018, Chapter 214 5-21-18

Subd.	Project Title		Organization	\$ Requested	LCCMR Recommended	HF 3352 2E	HF 3352 2E	Chapter 214	Chapter 214	Change from	Change from
ARTICLE 4											
1	Foundational Natural Resource Data and Information			FY 2019	FY 2019	FY 2018	FY 2019	FY 2018	FY 2019	HF3352 2E	LCCMR Rec
2	03a	Minnesota Geological Survey Atlases for Water Resources Management Part-A	U of MN-MN Geological Survey	4,121	2,500	-	2,500	-	1,240	(1,260)	(1,260)
3		County Geologic Atlas for Water Resource Sustainability Part-B	MN DNR	2,400	1,500	-	1,500	-	-	(1,500)	(1,500)
4	03b	Providing Critical Water Quality Information for Lake Management	U of MN	477	250	-	250	-	250	-	-
5	03c	Minnesota Biodiversity Atlas: Phase II Expansion	U of MN	496	350	-	350	-	350	-	-
6	03d	Maximizing Wildlife, Water, and Productivity in Peatland Forests	U of MN	698	600	-	600	-	600	-	-
7	03e	Assessing Ecosystem Services Provided By Lichens and Mosses	U of MN	213	213	-	213	-	213	-	-
8	03f	An Early Warning System for Wildlife Health Threats: Using Wildlife Rehabilitation Data to Monitor Wildlife Health	U of MN	280	280	-	280	-	280	-	-
9	03g	Conservation on Minnesota's Forest Birds Management Concern	U of MN-Duluth NNRI	613	500	-	500	-	500	-	-
10	03h	Mapping Avian Movement in Minnesota	U of MN-Duluth NNRI	682	200	-	200	-	200	-	-
11	03i	Variable Winter Thermal Regimes and Managing Trout Streams	U of MN	499	400	-	400	-	400	-	-
12	03j	Conserving Minnesota's Turtles through Research and Education	Minnesota Zoological Garden	364	300	-	300	-	300	-	-
13	03k	Data Acquisition to Develop Native Mussel Habitat Suitability	National Parks Service	309	200	-	200	-	200	-	-
14			Subtotal	11,152	7,293	-	7,293	-	4,533	(2,760)	(5,520)
15	Water Resources										
16	04a	Wastewater Treatment Plant Optimization Pilot Program	Minnesota Pollution Control Agency	779	700	89	714	89	611	(103)	-
17	04b	Removing Plastic Particle Pollution from Minnesota Water Bodies	U of MN	388	300	-	300	-	300	-	-
18	04c	Investigation of Road Salt Alternatives and Pavement Innovations	U of MN	521	400	-	400	-	400	-	-
19	04d	Contaminant Removal Efficiency of Urban Stormwater Treatment Ponds	Saint Cloud State University	377	325	-	325	-	325	-	-
20	04e	Small Cheap Purification System for Cleaner Drinking Water	U of MN	496	425	-	425	-	425	-	-
21	04f	Emerging Pathogens in Lakes, Rivers, and Tap Water	U of MN	355	325	-	325	-	325	-	-
22	04g	Unregulated Contaminants: Addressing Gaps in Drinking Water Protection	Minnesota Department of Health	2,107	1,000	-	1,000	-	1,000	-	-
23	04h	Defining Minnesota's Environmental Antibiotic and Antibiotic Resistance Footprint	U of MN	921	750	-	750	-	750	-	-
24	04i	Working Farmlands: Targeting Alfalfa Production for Water Protection	U of MN	752	500	-	500	-	500	-	-
25	04j	Preventing Nitrate Contamination of Groundwater Using Perennial Grains	Minnesota Department of Agriculture	759	250	-	250	-	250	-	-
26	04k	ShellRock River Watershed Stormwater Quality Trading Pilot Program	Shell Rock River Watershed District	350	300	-	300	-	300	-	-
27	04l	Lake Agnes Treatment	BWSR			-	600	-	600	-	600
28			Subtotal	7,805	5,275	89	5,889	89	5,786	(103)	600
29	Environmental Education										
30	05a	Phase 2 Prairie Sportsman Statewide Environmental Education Project	Pioneer Public Television	300	300	-	300	-	300	-	-
31	05b	YES! Students Take on Minnesota Water Quality Challenge	Prairie Woods Environmental Learning Center	213	213	-	213	-	213	-	-
32	05c	Get Outdoors After School!	Project Get Outdoors Inc.	30	30	-	30	-	30	-	-
33	05d	Connecting Students with Watersheds through Hands-on Learning	Minnesota Trout Unlimited	581	400	-	400	-	400	-	-
34	05e	River Watch on the Minnesota River	Friends of the Minnesota Valley	103	100	-	100	-	100	-	-
35	05f	Increasing Diversity in Environmental Careers: Fellowships, Internships, Mentorships	MN DNR	1,000	750	-	750	-	550	(200)	(200)
36	05g	Pollinator Ambassadors for Urban Gardens	U of MN	421	250	-	250	-	250	-	-
37	05h	Morris Prairie Pollinator Demonstration and Education	U of MN	681	550	-	550	-	550	-	-
38	05i	Expanding Nature Knowledge and Experience in North Minneapolis	Minneapolis Parks and Recreation Board	865	500	-	500	-	500	-	-
39	05j	Preparing Minnesotans for Changes in Wolf Management	International Wolf Center	1,200	1,000	-	1,000	-	1,000	-	-
40	05k	Preserve Resources by Expanding the State's Reuse Sectors	ReUse Minnesota	363	275	-	275	-	275	-	-
41	05l	Phase II- Reduce Solid Waste and Greenhouse Gas Emissions	Network for Better Futures MN	1,151	800	-	800	-	800	-	-
42			Subtotal	6,908	5,168	-	5,168	-	4,968	(200)	(200)
43	Aquatic and Terrestrial Invasive Species										
44	06a	Minnesota Invasive Terrestrial Plants and Pests Center 4	U of MN	7,000	3,500	-	3,500	-	3,500	-	-
45	06b	Palmer Amaranth Detection and Eradication Continuation	Minnesota Department of Agriculture	431	431	-	431	-	431	-	-
46	06c	Evaluate Control Methods for Invasive Hybrid Cattails	Voyageurs National Park	131	131	-	131	-	131	-	-
47	06d	Developing RNA Interference Genetic Controls for Zebra Mussels	U.S. Geological Survey	716	500	-	500	-	500	-	-
48	06e	An Effective and Practical Invasive Carp Deterrent	U of MN	998	998	-	998	-	998	-	-
49	06f	Determining Minnesota's Risk of a Toxic Algal Invader	Science Museum of MN-St. Croix Research Station	243	200	-	200	-	200	-	-
50			Subtotal	9,519	5,760	-	5,760	-	5,760	-	-
51	Air Quality, Climate Change, and Renewable Energy										
52	07a	Clean Electricity from Solar Windows	U of MN	458	350	-	350	-	350	-	-

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53	07b	Community-Scale Energy Storage Guide for Renewable Energy	U of MN	625	550	-	-	-	550	550	-
54	07c	Cheap Solar Energy from Simple Roll-to-Roll Manufacturing	U of MN	388	300	-	-	-	300	300	-
55			Subtotal	1,471	1,200	-	350	-	1,200	850	-
56	Methods to Protect, Restore, and Enhance Land, Water, and Habitat										
57	08a	Nongame Wildlife Program Acceleration	MN DNR	2,000	1,000	-	1,000	-	220	(780)	(780)
58	08b	Replacing Plastic Cover in Vegetable Production with BioMulch	U of MN	310	310	-	310	-	310	-	-
59	08c	Show Me the Money: 10 Markets for Perennials	Science Museum of MN-St. Croix Research Station	347	150	-	150	-	150	-	-
60	08d	Agricultural Weed Control Using Robots	U of MN-Morris	600	550	-	-	-	750	750	200
61	08e	Restoring Minnesota's Forests in State Parks	MN DNR	432	250	-	250	-	250	-	-
62	08f	Increasing Timber Availability and Habitat with Soil Management	U of MN	396	200	-	200	-	200	-	-
63	08g	Restoring Wetland Invertebrates to Revive Wildlife Habitat	MN DNR	417	400	-	400	-	400	-	-
64	08h	Preserving and Restoring Minnesota's Native Orchids –Phase 2	U of MN	468	259	-	259	-	259	-	-
65		Restoring Minnesota's Wild-Rice Waters	DNR	-	-	-	400	-	-	(400)	-
66			Subtotal	4,970	3,119	-	2,969	-	2,539	(430)	(580)
67	Land Acquisition for Habitat and Recreation										
68	09a	Local Parks, Trails and Natural Area Grants	MN DNR	3,000	2,000	-	2,000	-	2,000	-	-
69	09b	Mesabi Trail, County Road 88 to Ely Segment	St. Louis & Lake Counties Reg. Railroad Authorities	600	600	-	600	-	600	-	-
70	09c	Harmony State Trail Extension Land Acquisition	City of Harmony	235	235	-	235	-	235	-	-
71	09d	Mississippi Blufflands State Trail - Red Wing Riverfront	City of Red Wing	920	550	-	550	-	550	-	-
72	09e	Swedish Immigrant Trail Segment within Interstate State Park	Chisago County Environmental Services	2,254	2,254	-	2,254	-	2,254	-	-
73	09f	Superior Hiking Trail Enhancement Plan	Superior Hiking Trail Association	100	100	-	100	-	100	-	-
74	09g	A Local-State-Federal Partnership Protects multiple public benefits on the Mississippi River	City of Baxter	700	700	-	700	-	700	-	-
75	09h	Prioritize and Target North-Central Minnesota Lakes for Protection	Crow Wing SWCD	1,492	750	-	750	-	750	-	-
76	09i	Private Native Prairie Conservation through Native Prairie Bank	MN DNR	2,477	2,000	-	2,000	-	2,000	-	-
77	09j	Minnesota State Trails - Development and Enhancement	MN DNR	5,000	2,500	-	2,500	-	2,500	-	-
78	09k	Minnesota State Parks and State Trails Land Acquisition	MN DNR	5,000	2,500	-	2,500	-	2,500	-	-
79	09l	SNA Habitat Restoration, Public Engagement, and Strategic Acquisition	MN DNR	6,760	3,250	-	3,250	-	3,250	-	-
80			Subtotal	28,538	17,439	-	17,439	-	17,439	-	-
81	Emerging Issues Account										
82	10a	Emerging Issues Account		-	439	-	39	-	439	400	-
83			Subtotal	-	439	-	39	-	439	400	-
84	Other										
85	11a	Contract Agreement Reimbursement	DNR	135	135	-	135	-	135	-	-
86			Subtotal	135	135	-	135	-	135	-	-
87											-
88			TOTAL	70,498	45,828	89	45,042	89	42,799	(2,154)	(2,940)
89											
90	ARTICLE 4 - Debt Service										
91		FY 2019 Debt Service on appropriation bonds	MMB	-	-	-	-	-	2,940	2,940	2,940
92			Subtotal	-	-	-	-	-	2,940	2,940	2,940
93	TOTAL ENVIRONMENT AND NATURAL RESOURCES TRUST FUND										
94			TOTAL ENRTF	70,498	45,828	89	45,042	89	45,739	786	-
95											
96	ARTICLE 6 - Appropriation Bonds										
97	05(1)	DNR Asset Preservation	DNR	-	-	-	-	-	3,419	3,419	3,419
98	05(2)	Elk River Lake Orono	DNR	-	-	-	-	-	1,500	1,500	1,500
99	05(3)	Seidles Lake	DNR	-	-	-	-	-	781	781	781
100	06(1)	Anoka Landfill	PCA	-	-	-	-	-	6,000	6,000	6,000
101	06(2)	Lake Redwood	PCA	-	-	-	-	-	7,300	7,300	7,300
102	07(1)	RIM	BWSR	-	-	-	-	-	10,000	10,000	10,000
103	08(1)	State Matching Funds for USEPA Capitalization Grants	PFA	-	-	-	-	-	6,000	6,000	6,000
104	08(2)	Water Infrastructure-Clean Water Program (waste water)	PFA	-	-	-	-	-	14,652	14,652	14,652
105	08(3)	Point Source Implementation Supplemental Grants	PFA	-	-	-	-	-	38,348	38,348	38,348
106	09(1)	Metro Parks	METRO PARKS	-	-	-	-	-	10,000	10,000	10,000
107			Subtotal	-	-	-	-	-	98,000	98,000	98,000