

2019 ENRTF: Senate and House LCCMR Recommendations

Subd.	Title	Organization	Total LCCMR \$ Recommended FY2020	SENATE - SF2314 3E, Art 2		Difference from LCCMR Rec	HOUSE - HF2032 2E		Difference from SF2314, Art 2	Difference from LCCMR Rec		
				FY19	FY20		FY19	FY20				
Subd. 03 Foundational Natural Resource Data and Information												
03a	Minnesota Biological Survey	MN DNR	\$ 1,500,000	03a	\$ -	\$ 1,500,000	-	03a	\$ -	\$ 1,500,000	-	-
03b	Restoring Native Mussels in Streams and Lakes	MN DNR	\$ 500,000	03b	\$ -	\$ 500,000	-	03b	\$ -	\$ 500,000	-	-
03c	Quantifying Exposure of Minnesota's Raptors to Mercury and PFAS	Hawk Ridge Bird Observatory	\$ 250,000		\$ -	\$ -	(250,000)	03c	\$ -	\$ 250,000	250,000	-
03d	Minnesota Trumpeter Swan Migration Ecology and Conservation	U of MN	\$ 300,000	03c	\$ -	\$ 300,000	-	03d	\$ -	\$ 300,000	-	-
03e	Spruce Grouse as Indicators for Boreal Forest Connectivity	U of MN - Raptor Center	\$ 350,000		\$ -	\$ -	(350,000)	03e	\$ -	\$ 350,000	350,000	-
03f	Understanding Brainworm Transmission to Find Solutions for Minnesota Moose Decline	U of MN	\$ 400,000	03d	\$ -	\$ 400,000	-	03f	\$ -	\$ 400,000	-	-
03g	Mapping Habitat Use and Disease of Urban Carnivores	U of MN	\$ 500,000		\$ -	\$ -	(500,000)	03g	\$ -	\$ 500,000	500,000	-
03h	Accelerated Aggregate Resource Mapping	MN DNR	\$ 700,000	03e	\$ -	\$ 700,000	-	03h	\$ -	\$ 700,000	-	-
03i	Den Boxes for Fishers and other Nesting Wildlife	U of MN - Duluth NRRI	\$ 190,000		\$ -	\$ -	(190,000)	03i	\$ -	\$ 190,000	190,000	-
03j	Red-headed Woodpeckers as Indicators of Oak Savanna Health	U of MN	\$ 171,000	03f	\$ -	\$ 171,000	-	03j	\$ -	\$ 171,000	-	-
03k	Implementing Conservation Plans for Avian Species of Concern	Audubon Minnesota	\$ 124,000		\$ -	\$ -	(124,000)	03k	\$ -	\$ 124,000	124,000	-
03l	Mapping Aquatic Habitats for Moose	U of MN	\$ 199,000	03g	\$ -	\$ 199,000	-	03l	\$ -	\$ 199,000	-	-
03m	Improving Statewide GIS Data by Restoring the PLS	Minnesota Association of County Surveyors	\$ 135,000	03h	\$ -	\$ 135,000	-	03m	\$ -	\$ 135,000	-	-
03n	County Geologic Atlases - Part A, Mapping Geology	U of MN - MN Geological Survey	\$ 2,000,000	03i	\$ -	\$ 500,000	(1,500,000)	03n	\$ -	\$ 2,000,000	1,500,000	-
03o	County Geologic Atlases - Part B, Mapping Aquifer Hydrology	MN DNR	\$ 2,400,000		\$ -	\$ -	(2,400,000)	03o	\$ -	\$ 2,400,000	2,400,000	-
03p	Unlocking the Science of Minnesota's Moose Decline	Minnesota Zoological Garden	\$ 199,000	03j	\$ -	\$ 199,000	-	03p	\$ -	\$ 199,000	-	-
	Forest & Bioeconomy Research	U of MN	\$ -	03k	\$ -	\$ 2,200,000	2,200,000		\$ -	\$ -	(2,200,000)	-
	Minerals & Water Research	U of MN - Duluth NRRI	\$ -	03l	\$ -	\$ 2,400,000	2,400,000		\$ -	\$ -	(2,400,000)	-
	Native Bee Survey	MN DNR	\$ -		\$ -	\$ -	-	03q	\$ 636,000	\$ -	636,000	636,000
Foundational Natural Resource Data and Information Subtotal =			\$ 9,918,000		\$ -	\$ 9,204,000	(714,000)		\$ 636,000	\$ 9,918,000	1,350,000	636,000

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Subd. 04 Water Resources												
04a	Determining the Influence of Insecticides on Algal Blooms	U of MN	\$ 350,000	04a	\$ -	\$ 350,000	-	04a	\$ -	\$ 350,000	-	-
04b	Benign Design: Environmental Studies Leading to Sustainable Pharmaceuticals	U of MN	\$ 415,000	04b	\$ -	\$ 415,000	-	04b	\$ -	\$ 415,000	-	-
04c	Wastewater Nutrient Reduction through Industrial Source Reduction Assistance	U of MN	\$ 200,000	04c	\$ -	\$ 200,000	-	04c	\$ -	\$ 200,000	-	-
04d	Quantifying Microplastics in Minnesotas Inland Lakes	U of MN - Duluth	\$ 200,000		\$ -	\$ -	(200,000)	04d	\$ -	\$ 200,000	200,000	-
04e	Improving Nitrogen Removal in Greater Minnesota Wastewater Treatment Ponds	U of MN	\$ 325,000	04d	\$ -	\$ 325,000	-	04e	\$ -	\$ 325,000	-	-
04f	Improving Drinking Water for Minnesotans through Pollution Prevention	U of MN	\$ 345,000	04e	\$ -	\$ 345,000	-	04f	\$ -	\$ 345,000	-	-
04g	Protecting Minnesota Waters by Removing Contaminants from Wastewater	U of MN	\$ 250,000	04f	\$ -	\$ 250,000	-	04g	\$ -	\$ 250,000	-	-
04h	Reducing Municipal Wastewater Mercury Pollution to Lake Superior	Minnesota Pollution Control Agency	\$ 250,000	04g	\$ -	\$ 250,000	-	04h	\$ -	\$ 250,000	-	-
04i	Extracting Deicing Salt from Roadside Soils with Plants	U of MN	\$ 360,000		\$ -	\$ -	(360,000)	04i	\$ -	\$ 360,000	360,000	-
04j	Transformation of Plastic Waste into a Valued Resource	U of MN	\$ 225,000		\$ -	\$ -	(225,000)	04j	\$ -	\$ 225,000	225,000	-
04k	Accelerating Perennial Crop Production to Prevent Nitrate Leaching	Stearns County Soil and Water Conservation District	\$ 440,000	04h	\$ -	\$ 440,000	-	04k	\$ -	\$ 440,000	-	-
04l	Farm-Ready Cover Crops for Protecting Water Quality	Central Lakes College - Ag & Energy Ctr	\$ 741,000	04i	\$ -	\$ 741,000	-	04l	\$ -	\$ 741,000	-	-
04m	Setting Realistic Nitrate Reduction Goals in Southeast Minnesota	U of MN	\$ 350,000	04j	\$ -	\$ 350,000	-	04m	\$ -	\$ 350,000	-	-
04n	Mapping Unprofitable Cropland for Water and Wildlife	Science Museum of Minnesota - St. Croix Research Station	\$ 100,000	04k	\$ -	\$ 100,000	-	04n	\$ -	\$ 100,000	-	-
04o	Evaluating Locally-Sourced Materials for Road Salt Reduction	U of MN - Duluth NRRRI	\$ 162,000		\$ -	\$ -	(162,000)	04o	\$ -	\$ 162,000	162,000	-
04p	Minnesota Spring Inventory Final Phase	MN DNR	\$ 71,000	04l	\$ -	\$ 71,000	-	04p	\$ -	\$ 71,000	-	-
04q	Restoring Impaired Lakes throught Citizen-Aided Carp Management	Carver County Water Management Organization	\$ 106,000	04m	\$ -	\$ 106,000	-	04q	\$ -	\$ 106,000	-	-
04r	Spring Biological Nitrate Removal to Protect Drinking Water	City of Fairmont	\$ 175,000	04n	\$ -	\$ 175,000	-	04r	\$ -	\$ 175,000	-	-
04s	Degrading Chlorinated Industrial Contaminants with Bacteria	U of MN	\$ 1,000	04o	\$ -	\$ 1,000	-	04s	\$ -	\$ 1,000	-	-
	Managed Aquifer Recharge	U of MN	\$ -	04p	\$ -	\$ 350,000	350,000		\$ -	\$ -	(350,000)	-
Water Resources Subtotal =			\$ 5,066,000		\$ -	\$ 4,469,000	(597,000)		\$ -	\$ 5,066,000	597,000	-

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				FY19	FY20		FY19	FY20				
Subd. 05 Technical Assistance, Outreach, and Environmental Education												
05a	Expanding Camp Sunrise Environmental Program	YouthCARE MN	\$ 237,000	05a	\$ -	\$ 237,000	-	05a	\$ -	\$ 237,000	-	-
05b	Connecting Students to the Boundary Waters	Friends of the Boundary Waters Wilderness	\$ 450,000		\$ -	\$ -	(450,000)	05b	\$ -	\$ 450,000	450,000	-
05c	Mississippi National River and Recreation Area Forest Restoration	Mississippi Park Connection	\$ 199,000	05b	\$ -	\$ 199,000	-	05c	\$ -	\$ 199,000	-	-
	Diversity in Environmental Careers	MN DNR	\$ -		\$ -	\$ -	-	05d	\$ 250,000	\$ -	250,000	250,000
Technical Assistance, Outreach, and Environmental Education Subtotal =			\$ 886,000		\$ -	\$ 436,000	(450,000)	\$ 250,000	\$ 886,000	700,000	250,000	
Subd. 06 Aquatic and Terrestrial Invasive Species												
06a	Building Knowledge and Capacity to Solve AIS Problems	U of MN - MAISRC	\$ 3,000,000	06a	\$ -	\$ 3,000,000	-	06a	\$ -	\$ 3,000,000	-	-
06b	Oak Wilt Suppression at its Northern Edge	Morrison Soil and Water Conservation District	\$ 100,000	06b	\$ -	\$ 100,000	-	06b	\$ -	\$ 100,000	-	-
	Noxious Weed Detection and Eradication	Department of Agriculture	\$ -	06c	\$ -	\$ 1,500,000	1,500,000	06c	\$ -	\$ -	(1,500,000)	-
Aquatic and Terrestrial Invasive Species Subtotal =			\$ 3,100,000		\$ -	\$ 4,600,000	1,500,000	\$ -	\$ 3,100,000	(1,500,000)		
Subd. 07 Air Quality and Renewable Energy												
07a	Development of Clean Energy Storage Systems for Farms	U of MN - WCROC	\$ 650,000	07a	\$ -	\$ 650,000	-	07a	\$ -	\$ 650,000	-	-
07b	White Earth Nation Community Solar for Economic Resilience	Rural Renewable Energy Alliance	\$ 500,000		\$ -	\$ -	(500,000)	07b	\$ -	\$ 500,000	500,000	-
07c	Sustainable Solar Energy from Agricultural Plant Byproducts	U of MN - Morris	\$ 185,000	07b	\$ -	\$ 185,000	-	07c	\$ -	\$ 185,000	-	-
07d	Morris Energy and Environment Community Resilience Plan	City of Morris	\$ 150,000	07c	\$ -	\$ 150,000	-	07d	\$ -	\$ 150,000	-	-
Air Quality and Renewable Energy Subtotal =			\$1,485,000		\$ -	\$ 985,000	(500,000)	\$ -	\$ 1,485,000	500,000		
Subd. 08 Methods to Protect or Restore Land, Water, and Habitat												
08a	Saving Endangered Pollinators through Data-Driven Prairie Restoration	Minnesota Zoological Garden	\$ 800,000		\$ -	\$ -	(800,000)	08a	\$ -	\$ 800,000	800,000	-
08b	Promoting and Restoring Oak Savanna Using Silvopasture	U of MN	\$ 750,000	08a	\$ -	\$ 750,000	-	08b	\$ -	\$ 750,000	-	-
08c	Sauk River Dam Removal and Rock Rapids Replacement	City of Melrose	\$ 2,768,000	08b	\$ -	\$ 2,768,000	-	08c	\$ -	\$ 2,768,000	-	-

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				FY19	FY20		FY19	FY20			
08d	Conservation and Monitoring of Minnesota's Rare Arctic Plants	U of MN - Duluth	\$ 135,000	\$ -	\$ -	(135,000)	08d	\$ -	\$ 135,000	135,000	-
	Nongame Wildlife Program	MN DNR	\$ -	\$ -	-	-	08e	\$ -	\$ 780,000	780,000	780,000
Methods to Protect or Restore Land, Water, and Habitat Subtotal =			\$4,453,000	\$ -	\$ 3,518,000	(935,000)		\$ -	\$ 5,233,000	1,715,000	780,000
Subd. 09 Land Acquisition, Habitat, and Recreation											
09a	Minnesota Scientific and Natural Areas	MN DNR	\$ 3,500,000	\$ -	\$ -	(3,500,000)	09a	\$ -	\$ 3,500,000	3,500,000	-
09b	Grants for Local Parks, Trails and Natural Areas	MN DNR	\$ 3,000,000	\$ -	\$ 4,096,000	1,096,000	09b	\$ -	\$ 3,000,000	(1,096,000)	-
09c	Minnesota State Parks and State Trails In-Holdings	MN DNR	\$ 2,000,000	\$ -	\$ -	(2,000,000)	09c	\$ 1,000,000	\$ 3,907,000	4,907,000	2,907,000
09d	Minnesota State Trails Development	MN DNR	\$ 5,000,000	\$ -	\$ 3,000,000	(2,000,000)	09d	\$ 124,000	\$ 8,247,000	5,371,000	3,371,000
09e	National Loon Center	National Loon Center Foundation	\$ 4,000,000	\$ -	\$ 4,000,000	-	09e	\$ -	\$ 4,000,000	-	-
09f	Accessible Fishing Piers	MN DNR	\$ 320,000	\$ -	\$ 320,000	-	09f	\$ -	\$ 320,000	-	-
09g	Mesabi Trail Extensions	St. Louis & Lake Counties Regional Railroad Authority	\$ 3,000,000	\$ -	\$ 3,000,000	-	09g	\$ -	\$ 3,000,000	-	-
09h	Britton Peak to Lutsen Mountain Bike Trail	Superior Cycling Association	\$ 300,000	\$ -	\$ -	(300,000)	09h	\$ 50,000	\$ 300,000	350,000	50,000
09i	Preserving the Avon Hills with Reverse-Bidding Easements	Saint Johns Arboretum and University	\$ 1,600,000	\$ -	\$ -	(1,600,000)	09i	\$ -	\$ 1,600,000	1,600,000	-
09j	Birch Lake Recreation Area Campground	City of Babbitt	\$ 350,000	\$ -	\$ 350,000	-	09j	\$ 350,000	\$ 350,000	350,000	350,000
09k	Bailey Lake Trail and Fishing Pier	City of Virginia	\$ 550,000	\$ -	\$ 550,000	-	09k	\$ -	\$ 550,000	-	-
09l	Vergas Long Lake Trail	City of Vergas	\$ 290,000	\$ -	\$ 290,000	-	09l	\$ -	\$ 290,000	-	-
09m	Glacial Edge Trail and Downtown Pedestrian Bridge	City of Fergus Falls	\$ 600,000	\$ -	\$ 600,000	-	09m	\$ -	\$ 600,000	-	-
09n	Crane Lake to Vermilion Falls Trail	Voyageur Country ATV	\$ 400,000	\$ -	\$ 400,000	-	09n	\$ -	\$ 400,000	-	-
09o	Restoring Five Sections of the Superior Hiking Trail	Superior Hiking Trail Association	\$ 191,000	\$ -	\$ 191,000	-	09o	\$ -	\$ 191,000	-	-
	State Parks and Trails Maintenance & Operations	MN DNR	\$ -	\$ -	\$ 10,000,000	10,000,000		\$ -	\$ -	(10,000,000)	-
	Native Prairie Bank	MN DNR	\$ -	\$ -	\$ -	-	09p	\$ -	\$ 3,406,000	3,406,000	3,406,000
	Rainy Lake Recreational Access and Boat Wash	MN DNR	\$ -	\$ -	\$ -	-	09q	\$ 200,000	\$ -	200,000	200,000
Land Acquisition, Habitat, and Recreation Subtotal =			\$ 25,101,000	\$ -	\$ 26,797,000	1,696,000		\$ 1,724,000	\$ 33,661,000	8,588,000	10,284,000

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				FY19	FY20		FY19	FY20				
Subd. 10 Administration and Contract Agreement Reimbursement												
10a	Contract Agreement Reimbursement	MN DNR	\$ 135,000	10a	\$ -	\$ 135,000	10a	\$ -	\$ 135,000	-	-	
10b	LCCMR Administration	Legislative-Citizen Commission on Minnesota Resources	\$ 1,400,000	10b	\$ -	\$ 1,400,000	10b	\$ -	\$ 1,400,000	-	-	
10c	LCC Administration	Legislative Coordinating Commission	\$ 3,000	10c	\$ -	\$ 3,000	10c	\$ -	\$ 3,000	-	-	
	Grants Management System	Legislative Coordinating Commission	\$ -		\$ -	\$ -	10d	\$ 330,000	\$ -	330,000	330,000	
Administration and Contract Agreement Reimbursement Subtotal =			\$ 1,538,000		\$ -	\$ 1,538,000		\$ 330,000	\$ 1,538,000	330,000	330,000	
Subd. 11 Wastewater Treatment Recommendations (1)												
11a & 12b	Water Infrastructure Funding Program	Public Facilities Authority	\$ 1,500,000	11a & 12b	\$ 1,136,000	\$ 9,340,000	8,976,000	11a & 12b	\$ -	\$ -	(10,476,000)	(1,500,000)
11b	Optimizing Local Mechanical & Pond Wastewater Treatment Plants	Public Facilities Authority	\$ 500,000	11b	\$ -	\$ 500,000	-	11b	\$ -	\$ 500,000	-	-
Wastewater Treatment Recommendations Subtotal =			\$ 2,000,000		\$ 1,136,000	\$ 9,840,000	8,976,000		\$ -	\$ 500,000	(10,476,000)	(1,500,000)
Subd. 12 Fiscal Year 2019 Appropriations												
12a	Diagnostic Test for Chronic Wasting Disease	U of MN	\$ -	12a	\$ 1,804,000	\$ -	1,804,000	12a	\$ -	\$ -	(1,804,000)	-
Subtotal =			\$ -		\$ 1,804,000	\$ -	1,804,000		\$ -	\$ -	(1,804,000)	-
Total \$ Recommendations =			\$ 53,547,000		\$ 2,940,000	\$ 61,387,000	10,780,000		\$ 2,940,000	\$ 61,387,000	-	10,780,000
<i>Reserved for Debt Service (plus \$2,940,000 in FY2019)</i>			<i>\$ 7,840,000</i>		<i>\$ -</i>	<i>\$ -</i>	<i>(7,840,000)</i>		<i>\$ -</i>	<i>\$ -</i>	<i>-</i>	<i>(7,840,000)</i>
Total ENTF FY2019 & FY2020			\$ 61,387,000		\$ 2,940,000	\$ 61,387,000	2,940,000		\$ 2,940,000	\$ 61,387,000	-	2,940,000

(1) HF2032 authorizes up to \$6.5 million from the corpus of the Trust Fund for loans through the Public Facilities Authority's Clean Water Revolving Fund