

M.L. 2019 Environment and Natural Resources Trust Fund (ENRTF)  
LCCMR Recommendations for FY 2020

						LCCMR Recommendations as of 12/4/2018			H.F. 2032 2nd Engrossment - Rep. Hansen (Author) as amended and passed off House Floor 5/1/2019					S. F. 2314 1st Engrossment Omnibus Environment Bill - Sen. Ingebrigtsen (Author) [incorporates and amends S.F. 2201 - Sen. Westrom (Author)] as Amended and Adopted on the Senate Floor 4/23/2019					M.L. 2019, First Special Session, Chp. 4, Art. 2, Sec. 2 Signed 5/31/2019									
Subd.	Proposal ID	Title	Organization	Program Manager	Region*	Total LCCMR \$ Recommended FY2020	Trust Fund \$ FY2020	2016 Trust Fund \$ Reallocated	Subd.	Total FY2019 FY2020 & Reallocation	Trust Fund \$ FY2019	Trust Fund \$ FY2020	2016 Trust Fund \$ Reallocated	House Status vs. LCCMR Rec.	Subd.	Total FY2019 FY2020 & Reallocation	Trust Fund \$ FY2019	Trust Fund \$ FY2020	2016 Trust Fund \$ Reallocated	Senate Status vs. LCCMR Rec.	Subd.	Total FY2019 FY2020 & Reallocation	Trust Fund \$ FY2019	Trust Fund \$ FY2020	2016 Trust Fund \$ Reallocated	Conf. Committee vs. LCCMR Rec.		
<b>Subd. 03 Foundational Natural Resource Data and Information (16 Recommendations - Subtotal = \$9,918,000)</b>																												
03a	001-A	Minnesota Biological Survey	MN DNR	Bruce Carlson	Statewide	\$ 1,500,000	\$ 1,500,000	\$ -	03a	\$ 1,500,000	\$ -	\$ 1,500,000	\$ -	No Change	03a	\$ 1,500,000	\$ -	\$ 1,500,000	\$ -	No Change	03a	\$ 1,500,000	\$ -	\$ 1,500,000	\$ -	No Change		
03b	003-A	Restoring Native Mussels in Streams and Lakes	MN DNR	Mike Davis	Statewide	\$ 500,000	\$ 500,000	\$ -	03b	\$ 500,000	\$ -	\$ 500,000	\$ -	No Change	03b	\$ 500,000	\$ -	\$ 500,000	\$ -	No Change	03b	\$ 500,000	\$ -	\$ 500,000	\$ -	No Change		
03c	005-A	Quantifying Exposure of Minnesota's Raptors to Mercury and PFAS	Hawk Ridge Bird Observatory	Matthew Etterson	Statewide, NE	\$ 250,000	\$ 250,000	\$ -	03c	\$ 250,000	\$ -	\$ 250,000	\$ -	No Change	---	\$ -	\$ -	\$ -	\$ -	Deleted	03c	\$ 250,000	\$ -	\$ 250,000	\$ -	No Change		
03d	014-A	Minnesota Trumpeter Swan Migration Ecology and Conservation	U of MN	David Andersen	Statewide	\$ 300,000	\$ 300,000	\$ -	03d	\$ 300,000	\$ -	\$ 300,000	\$ -	No Change	03c	\$ 300,000	\$ -	\$ 300,000	\$ -	No Change	03d	\$ 300,000	\$ -	\$ 300,000	\$ -	No Change		
03e	016-A	Spruce Grouse as Indicators for Boreal Forest Connectivity	U of MN - Raptor Center	Julia Ponder	NW, NE	\$ 350,000	\$ 350,000	\$ -	03e	\$ 350,000	\$ -	\$ 350,000	\$ -	No Change	---	\$ -	\$ -	\$ -	\$ -	Deleted	03e	\$ 350,000	\$ -	\$ 350,000	\$ -	No Change		
03f	018-A	Understanding Brainworm Transmission to Find Solutions for Minnesota Moose Decline	U of MN	Tiffany Wolf	NE	\$ 400,000	\$ 400,000	\$ -	03f	\$ 400,000	\$ -	\$ 400,000	\$ -	No Change	03d	\$ 400,000	\$ -	\$ 400,000	\$ -	No Change	03f	\$ 400,000	\$ -	\$ 400,000	\$ -	No Change		
03g	025-A	Mapping Habitat Use and Disease of Urban Carnivores	U of MN	Nicholas McCann	Metro	\$ 500,000	\$ 500,000	\$ -	03g	\$ 500,000	\$ -	\$ 500,000	\$ -	No Change	---	\$ -	\$ -	\$ -	\$ -	Deleted	03g	\$ 500,000	\$ -	\$ 500,000	\$ -	No Change		
03h	027-A	Accelerated Aggregate Resource Mapping	MN DNR	Heather Arends	SW	\$ 700,000	\$ 700,000	\$ -	03h	\$ 700,000	\$ -	\$ 700,000	\$ -	No Change	03e	\$ 700,000	\$ -	\$ 700,000	\$ -	No Change	03h	\$ 700,000	\$ -	\$ 700,000	\$ -	No Change		
03i	032-AH	Den Boxes for Fishers and Other Nesting Wildlife	U of MN - Duluth NRRI	Michael Joyce	Central, Metro, NW, NE	\$ 190,000	\$ 190,000	\$ -	03i	\$ 190,000	\$ -	\$ 190,000	\$ -	No Change	---	\$ -	\$ -	\$ -	\$ -	Deleted	03i	\$ 190,000	\$ -	\$ 190,000	\$ -	No Change		
03j	034-AH	Red-headed Woodpeckers as Indicators of Oak Savanna Health	U of MN	David Andersen	Central	\$ 171,000	\$ 171,000	\$ -	03j	\$ 171,000	\$ -	\$ 171,000	\$ -	No Change	03f	\$ 171,000	\$ -	\$ 171,000	\$ -	No Change	03j	\$ 171,000	\$ -	\$ 171,000	\$ -	No Change		
03k	035-AH	Implementing Conservation Plans for Avian Species of Concern	Audubon Minnesota	Nathaniel Miller	Statewide	\$ 124,000	\$ 124,000	\$ -	03k	\$ 124,000	\$ -	\$ 124,000	\$ -	No Change	---	\$ -	\$ -	\$ -	\$ -	Deleted	03k	\$ 124,000	\$ -	\$ 124,000	\$ -	No Change		
03l	038-AH	Mapping Aquatic Habitats for Moose	U of MN	Joseph Bump	NE	\$ 199,000	\$ 199,000	\$ -	03l	\$ 199,000	\$ -	\$ 199,000	\$ -	No Change	03g	\$ 199,000	\$ -	\$ 199,000	\$ -	No Change	03l	\$ 199,000	\$ -	\$ 199,000	\$ -	No Change		
03m	046-AH	Improving Statewide GIS Data by Restoring the Public Land Survey	Minnesota Association of County Surveyors	Patrick Veraguth	Central	\$ 135,000	\$ 135,000	\$ -	03m	\$ 135,000	\$ -	\$ 135,000	\$ -	No Change	03h	\$ 135,000	\$ -	\$ 135,000	\$ -	No Change	03m	\$ 135,000	\$ -	\$ 135,000	\$ -	No Change		
03n	002-A	County Geologic Atlases - Part A, Mapping Geology	U of MN - MN Geological Survey	Barbara Lusardi	Statewide	\$ 2,000,000	\$ 2,000,000	\$ -	03n	\$ 2,000,000	\$ -	\$ 2,000,000	\$ -	No Change	03i	\$ 500,000	\$ -	\$ 500,000	\$ -	Reduced	03n	\$ 2,000,000	\$ -	\$ 2,000,000	\$ -	No Change		
03o	275-J	County Geologic Atlases - Part B, Mapping Aquifer Hydrology	MN DNR	Paul Putzier	Statewide	\$ 2,400,000	\$ 2,400,000	\$ -	03o	\$ 2,400,000	\$ -	\$ 2,400,000	\$ -	No Change	---	\$ -	\$ -	\$ -	\$ -	Deleted	03o	\$ 2,400,000	\$ -	\$ 2,400,000	\$ -	No Change		
03p	274-J	Unlocking the Science of Minnesota's Moose Decline	Minnesota Zoological Garden	Nicole Mattson	Statewide	\$ 199,000	\$ 199,000	\$ -	03p	\$ 199,000	\$ -	\$ 199,000	\$ -	No Change	03j	\$ 199,000	\$ -	\$ 199,000	\$ -	No Change	03p	\$ 199,000	\$ -	\$ 199,000	\$ -	No Change		
---	---	Forest and Bioeconomy Research	U of MN - Duluth NRRI	Rolf Weberg	Statewide	\$ -	\$ -	\$ -	---	\$ -	\$ -	\$ -	\$ -	---	03k	\$ 2,200,000	\$ -	\$ 2,200,000	\$ -	Added	03q	\$ 2,200,000	\$ -	\$ 2,200,000	\$ -	Added		
---	---	Minerals and Water Research	U of MN - Duluth NRRI	Rolf Weberg	Statewide	\$ -	\$ -	\$ -	---	\$ -	\$ -	\$ -	\$ -	---	03l	\$ 2,400,000	\$ -	\$ 2,400,000	\$ -	Added	03r	\$ 883,000	\$ -	\$ 883,000	\$ -	Added		
---	007-A	Native Bee Survey	MN DNR	Jessica Peterson	Central, NE, NW	\$ -	\$ -	\$ -	03q	\$ 636,000	\$ 636,000	\$ -	\$ -	Added	---	\$ -	\$ -	\$ -	\$ -	---	03s	\$ 600,000	\$ -	\$ 600,000	\$ -	Added		
---	---	Diagnostic Test for Chronic Wasting Disease	U of MN	Peter Larsen	Statewide	\$ -	\$ -	\$ -	---	\$ -	\$ -	\$ -	\$ -	---	12a	\$ 1,804,000	\$ 1,804,000	\$ -	\$ -	Added	03t	\$ 1,804,000	\$ 1,804,000	\$ -	\$ -	Added		
Foundational Natural Resource Data and Information Subtotal =						\$9,918,000	\$9,918,000	\$0							\$11,008,000	\$1,804,000	\$9,204,000	\$0							\$ 15,405,000	\$1,804,000	\$13,601,000	\$0
<b>Subd. 04 Water Resources (19 Recommendations - Subtotal = \$5,215,000)</b>																												
04a	048-B	Determining Influence of Insecticides on Algal Blooms	U of MN	William Arnold	Statewide	\$ 350,000	\$ 350,000	\$ -	04a	\$ 350,000	\$ -	\$ 350,000	\$ -	No Change	04a	\$ 350,000	\$ -	\$ 350,000	\$ -	No Change	04a	\$ 350,000	\$ -	\$ 350,000	\$ -	No Change		
04b	049-B	Benign Design: Environmental Studies Leading to Sustainable Pharmaceuticals	U of MN	William Arnold	Statewide	\$ 415,000	\$ 415,000	\$ -	04b	\$ 415,000	\$ -	\$ 415,000	\$ -	No Change	04b	\$ 415,000	\$ -	\$ 415,000	\$ -	No Change	04b	\$ 415,000	\$ -	\$ 415,000	\$ -	No Change		
04c	050-B	Wastewater Nutrient Reduction through Industrial Source Reduction Assistance	U of MN	Laura Babcock	Statewide	\$ 200,000	\$ 200,000	\$ -	04c	\$ 200,000	\$ -	\$ 200,000	\$ -	No Change	04c	\$ 200,000	\$ -	\$ 200,000	\$ -	No Change	04c	\$ 200,000	\$ -	\$ 200,000	\$ -	No Change		
04d	051-B	Quantifying Microplastics in Minnesota's Inland Lakes	U of MN - Duluth	Kathryn Schreiner	Statewide	\$ 200,000	\$ 200,000	\$ -	04d	\$ 200,000	\$ -	\$ 200,000	\$ -	No Change	---	\$ -	\$ -	\$ -	\$ -	Deleted	04d	\$ 200,000	\$ -	\$ 200,000	\$ -	No Change		
04e	052-B	Improving Nitrogen Removal in Greater Minnesota Wastewater Treatment Ponds	U of MN	Paige Novak	Statewide	\$ 325,000	\$ 325,000	\$ -	04e	\$ 325,000	\$ -	\$ 325,000	\$ -	No Change	04d	\$ 325,000	\$ -	\$ 325,000	\$ -	No Change	04e	\$ 325,000	\$ -	\$ 325,000	\$ -	No Change		
04f	054-B	Improving Drinking Water for Minnesotans through Pollution Prevention	U of MN	Raymond Hozalski	Metro	\$ 345,000	\$ 345,000	\$ -	04f	\$ 345,000	\$ -	\$ 345,000	\$ -	No Change	04e	\$ 345,000	\$ -	\$ 345,000	\$ -	No Change	04f	\$ 345,000	\$ -	\$ 345,000	\$ -	No Change		
04g	055-B	Protecting Minnesota Waters by Removing Contaminants from Wastewater	U of MN	Matt Simcik	Statewide	\$ 250,000	\$ 250,000	\$ -	04g	\$ 250,000	\$ -	\$ 250,000	\$ -	No Change	04f	\$ 250,000	\$ -	\$ 250,000	\$ -	No Change	04g	\$ 250,000	\$ -	\$ 250,000	\$ -	No Change		

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Subd.	Proposal ID	Title	Organization	Program Manager	Region*	Total LCCMR \$ Recommended FY2020	Trust Fund \$ FY2020	2016 Trust Fund \$ Reallocated	Subd.	Total FY2019 FY2020 & Reallocation	Trust Fund \$ FY2019	Trust Fund \$ FY2020	2016 Trust Fund \$ Reallocated	House Status vs. LCCMR Rec.	Subd.	Total FY2019 FY2020 & Reallocation	Trust Fund \$ FY2019	Trust Fund \$ FY2020	2016 Trust Fund \$ Reallocated	Senate Status vs. LCCMR Rec.	Subd.	Total FY2019 FY2020 & Reallocation	Trust Fund \$ FY2019	Trust Fund \$ FY2020	2016 Trust Fund \$ Reallocated	Conf. Committee vs. LCCMR Rec.			
04h	058-B	Reducing Municipal Wastewater Mercury Pollution to Lake Superior	Minnesota Pollution Control Agency	Scott Kyser	NE	\$ 250,000	\$ 250,000	\$ -	04h	\$ 250,000	\$ -	\$ 250,000	\$ -	No Change	04g	\$ 250,000	\$ -	\$ 250,000	\$ -	No Change	04h	\$ 250,000	\$ -	\$ 250,000	\$ -	No Change			
04i	062-B	Extracting Deicing Salt from Roadside Soils with Plants	U of MN	Bo Hu	Statewide	\$ 360,000	\$ 360,000	\$ -	04i	\$ 360,000	\$ -	\$ 360,000	\$ -	No Change	---	\$ -	\$ -	\$ -	\$ -	Deleted	04i	\$ 360,000	\$ -	\$ 360,000	\$ -	No Change			
04j	064-B	Transformation of Plastic Waste into Valued Resource	U of MN	Brett Barney	Statewide	\$ 225,000	\$ 225,000	\$ -	04j	\$ 225,000	\$ -	\$ 225,000	\$ -	No Change	---	\$ -	\$ -	\$ -	\$ -	Deleted	04j	\$ 225,000	\$ -	\$ 225,000	\$ -	No Change			
04k	072-B	Accelerating Perennial Crop Production to Prevent Nitrate Leaching	Stearns County Soil and Water Conservation District	Dennis Fuchs	Central	\$ 440,000	\$ 440,000	\$ -	04k	\$ 440,000	\$ -	\$ 440,000	\$ -	No Change	04h	\$ 440,000	\$ -	\$ 440,000	\$ -	No Change	04k	\$ 440,000	\$ -	\$ 440,000	\$ -	No Change			
04l	076-B	Farm-Ready Cover Crops for Protecting Water Quality	Central Lakes College - Ag and Energy Ctr	Keith Olander	Central, Metro, NW, SW, SE	\$ 741,000	\$ 741,000	\$ -	04l	\$ 741,000	\$ -	\$ 741,000	\$ -	No Change	04i	\$ 741,000	\$ -	\$ 741,000	\$ -	No Change	04l	\$ 741,000	\$ -	\$ 741,000	\$ -	No Change			
04m	077-B	Setting Realistic Nitrate Reduction Goals in Southeast Minnesota	U of MN	John Nieber	SE	\$ 350,000	\$ 350,000	\$ -	04m	\$ 350,000	\$ -	\$ 350,000	\$ -	No Change	04j	\$ 350,000	\$ -	\$ 350,000	\$ -	No Change	04m	\$ 350,000	\$ -	\$ 350,000	\$ -	No Change			
04n	100-BH	Mapping Unprofitable Cropland for Water and Wildlife	Science Museum of Minnesota - St. Croix Research Station	Jason Ulrich	Statewide	\$ 100,000	\$ 100,000	\$ -	04n	\$ 100,000	\$ -	\$ 100,000	\$ -	No Change	04k	\$ 100,000	\$ -	\$ 100,000	\$ -	No Change	04n	\$ 100,000	\$ -	\$ 100,000	\$ -	No Change			
04o	101-BH	Evaluating Locally Sourced Materials for Road Salt Reduction	U of MN - Duluth NRRI	Chanlan Chun	Statewide	\$ 162,000	\$ 162,000	\$ -	04o	\$ 162,000	\$ -	\$ 162,000	\$ -	No Change	---	\$ -	\$ -	\$ -	\$ -	Deleted	04o	\$ 162,000	\$ -	\$ 162,000	\$ -	No Change			
04p	102-BH	Minnesota Spring Inventory Final Phase	MN DNR	Paul Putzier	Statewide	\$ 71,000	\$ 71,000	\$ -	04p	\$ 71,000	\$ -	\$ 71,000	\$ -	No Change	04i	\$ 71,000	\$ -	\$ 71,000	\$ -	No Change	04p	\$ 71,000	\$ -	\$ 71,000	\$ -	No Change			
04q	106-BH	Restoring Impaired Lakes through Citizen-Aided Carp Management	Carver County Water Management Organization	Andrew Dickhart	Metro	\$ 106,000	\$ 106,000	\$ -	04q	\$ 106,000	\$ -	\$ 106,000	\$ -	No Change	04m	\$ 106,000	\$ -	\$ 106,000	\$ -	No Change	04q	\$ 106,000	\$ -	\$ 106,000	\$ -	No Change			
04r	116-BH	Spring Biological Nitrate Removal to Protect Drinking Water	City of Fairmont	Troy Nemmers	SW	\$ 175,000	\$ 175,000	\$ -	04r	\$ 175,000	\$ -	\$ 175,000	\$ -	No Change	04n	\$ 175,000	\$ -	\$ 175,000	\$ -	No Change	04r	\$ 175,000	\$ -	\$ 175,000	\$ -	No Change			
04s	053-B	Degrading Chlorinated Industrial Contaminants with Bacteria	U of MN	Paige Novak	Statewide	\$ 150,000	\$ 1,000	\$ 149,000	04s	\$ 150,000	\$ -	\$ 1,000	\$ 149,000	No Change	04o	\$ 150,000	\$ -	\$ 1,000	\$ 149,000	No Change	04s	\$ 150,000	\$ -	\$ 1,000	\$ 149,000	No Change			
---	---	Managed Aquifer Recharge	U of MN - Water Resources Center	John Bilotta	Statewide	\$ -	\$ -	\$ -	---	\$ -	\$ -	\$ -	\$ -	---	04p	\$ 350,000	\$ -	\$ 350,000	\$ -	Added	04t	\$ 350,000	\$ -	\$ 350,000	\$ -	Added			
<b>Water Resources Subtotal =</b>						<b>\$5,215,000</b>	<b>\$5,066,000</b>	<b>\$149,000</b>	<b>\$5,215,000</b>			<b>\$0</b>	<b>\$5,066,000</b>	<b>\$149,000</b>	<b>\$4,618,000</b>			<b>\$0</b>	<b>\$4,469,000</b>	<b>\$149,000</b>	<b>\$5,565,000</b>			<b>\$0</b>	<b>\$5,416,000</b>	<b>\$149,000</b>			
<b>Subd. 05 Technical Assistance, Outreach, and Environmental Education (3 Recommendations - Subtotal = \$886,000)</b>																													
05a	122-C	Expanding Camp Sunrise Environmental Program	YouthCARE MN	Lori Arnold	Metro	\$ 237,000	\$ 237,000	\$ -	05a	\$ 237,000	\$ -	\$ 237,000	\$ -	No Change	05a	\$ 237,000	\$ -	\$ 237,000	\$ -	No Change	05a	\$ 237,000	\$ -	\$ 237,000	\$ -	No Change			
05b	124-C	Connecting Students to Boundary Waters	Friends of the Boundary Waters Wilderness	Chris Knopf	Statewide	\$ 450,000	\$ 450,000	\$ -	05b	\$ 450,000	\$ -	\$ 450,000	\$ -	No Change	---	\$ -	\$ -	\$ -	\$ -	Deleted	05b	\$ 450,000	\$ -	\$ 450,000	\$ -	No Change			
05c	143-CH	Mississippi National River and Recreation Area Forest Restoration	Mississippi Park Connection	Mary Hammes	Metro	\$ 199,000	\$ 199,000	\$ -	05c	\$ 199,000	\$ -	\$ 199,000	\$ -	No Change	05b	\$ 199,000	\$ -	\$ 199,000	\$ -	No Change	05c	\$ 199,000	\$ -	\$ 199,000	\$ -	No Change			
---	123-C	Increasing Diversity in Environmental Careers	MN DNR	Mimi Daniel	Statewide	\$ -	\$ -	\$ -	05d	\$ 250,000	\$ 250,000	\$ -	\$ -	Added	---	\$ -	\$ -	\$ -	\$ -	---	05d	\$ 250,000	\$ -	\$ 250,000	\$ -	Added			
<b>Technical Assistance, Outreach, and Environmental Education Subtotal =</b>						<b>\$ 886,000</b>	<b>\$ 886,000</b>	<b>\$0</b>	<b>\$ 1,136,000</b>			<b>\$ 250,000</b>	<b>\$ 886,000</b>	<b>\$0</b>	<b>\$ 436,000</b>			<b>\$ -</b>	<b>\$ 436,000</b>	<b>\$0</b>	<b>\$ 1,136,000</b>			<b>\$ -</b>	<b>\$ 1,136,000</b>	<b>\$0</b>			
<b>Subd. 06 Aquatic and Terrestrial Invasive Species (2 Recommendations - Subtotal = \$3,100,000)</b>																													
06a	160-D	Building Knowledge and Capacity to Solve AIS Problems	U of MN - MAISRC	Nicholas Phelps	Statewide	\$ 3,000,000	\$ 3,000,000	\$ -	06a	\$ 3,000,000	\$ -	\$ 3,000,000	\$ -	No Change	06a	\$ 3,000,000	\$ -	\$ 3,000,000	\$ -	No Change	06a	\$ 4,000,000	\$ -	\$ 4,000,000	\$ -	Increased \$1,000,000			
06b	173-DH	Oak Wilt Suppression at its Northern Edge	Morrison Soil and Water Conservation District	Shannon Wettstein	Central	\$ 100,000	\$ 100,000	\$ -	06b	\$ 100,000	\$ -	\$ 100,000	\$ -	No Change	06b	\$ 100,000	\$ -	\$ 100,000	\$ -	No Change	06b	\$ 100,000	\$ -	\$ 100,000	\$ -	No Change			
---	---	Noxious Weed Detection and Eradication	Minnesota Department of Agriculture	Mark Abrahamson	Statewide	\$ -	\$ -	\$ -	---	\$ -	\$ -	\$ -	\$ -	---	06c	\$ 1,500,000	\$ -	\$ 1,500,000	\$ -	Added	06c	\$ 1,000,000	\$ -	\$ 1,000,000	\$ -	Added			
---	---	Emerald Ash Borer Response Grants	MN DNR	Valerie McClannahan	Statewide	\$ -	\$ -	\$ -	---	\$ -	\$ -	\$ -	\$ -	---	---	\$ -	\$ -	\$ -	\$ -	---	06d	\$ 300,000	\$ -	\$ 300,000	\$ -	Added			
<b>Aquatic and Terrestrial Invasive Species Subtotal =</b>						<b>\$3,100,000</b>	<b>\$3,100,000</b>	<b>\$0</b>	<b>\$3,100,000</b>			<b>\$0</b>	<b>\$3,100,000</b>	<b>\$0</b>	<b>\$4,600,000</b>			<b>\$0</b>	<b>\$4,600,000</b>	<b>\$0</b>	<b>\$5,400,000</b>			<b>\$0</b>	<b>\$5,400,000</b>	<b>\$0</b>			
<b>Subd. 07 Air Quality and Renewable Energy (4 Recommendations - Subtotal = \$1,485,000)</b>																													
07a	176-E	Development of Clean Energy Storage Systems for Farms	U of MN - WCROC	William Northrop	Statewide	\$ 650,000	\$ 650,000	\$ -	07a	\$ 650,000	\$ -	\$ 650,000	\$ -	No Change	07a	\$ 650,000	\$ -	\$ 650,000	\$ -	No Change	07a	\$ 650,000	\$ -	\$ 650,000	\$ -	No Change			
07b	186-E	White Earth Nation Community Solar for Economic Resilience	Rural Renewable Energy Alliance	Vicki O'Day	NW, NE	\$ 500,000	\$ 500,000	\$ -	07b	\$ 500,000	\$ -	\$ 500,000	\$ -	No Change	---	\$ -	\$ -	\$ -	\$ -	Deleted	07b	\$ 500,000	\$ -	\$ 500,000	\$ -	No Change			

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07c	190-EH	Sustainable Solar Energy from Agricultural Plant By-Products	U of MN - Morris	Ted Pappenfus	Statewide	\$ 185,000	\$ 185,000	\$ -	07c	\$ 185,000	\$ -	\$ 185,000	\$ -	No Change	07b	\$ 185,000	\$ -	\$ 185,000	\$ -	No Change	07c	\$ 185,000	\$ -	\$ 185,000	\$ -	No Change
07d	196-EH	Morris Energy and Environment Community Resilience Plan	City of Morris	Blaine Hill	Statewide	\$ 150,000	\$ 150,000	\$ -	07d	\$ 150,000	\$ -	\$ 150,000	\$ -	No Change	07c	\$ 150,000	\$ -	\$ 150,000	\$ -	No Change	07d	\$ 150,000	\$ -	\$ 150,000	\$ -	No Change
<b>Air Quality and Renewable Energy Subtotal =</b>						<b>\$1,485,000</b>	<b>\$1,485,000</b>	<b>\$0</b>	<b>\$1,485,000 \$0 \$1,485,000 \$0</b>					<b>\$985,000 \$0 \$985,000 \$0</b>					<b>\$1,485,000 \$0 \$1,485,000 \$0</b>							
<b>Subd. 08 Methods to Protect or Restore Land, Water, and Habitat (4 Recommendations - Subtotal = \$4,453,000)</b>																										
08a	202-F	Saving Endangered Pollinators through Data-Driven Prairie Restoration	Minnesota Zoological Garden	Erik Runquist	Central, Metro, NW, SW	\$ 800,000	\$ 800,000	\$ -	08a	\$ 800,000	\$ -	\$ 800,000	\$ -	No Change	---	\$ -	\$ -	\$ -	\$ -	Deleted	08a	\$ 800,000	\$ -	\$ 800,000	\$ -	No Change
08b	213-F	Promoting and Restoring Oak Savanna Using Silvopasture	U of MN	Diomy Zamora	Statewide	\$ 750,000	\$ 750,000	\$ -	08b	\$ 750,000	\$ -	\$ 750,000	\$ -	No Change	08a	\$ 750,000	\$ -	\$ 750,000	\$ -	No Change	08b	\$ 750,000	\$ -	\$ 750,000	\$ -	No Change
08c	225-F	Sauk River Dam Removal and Rock Rapids Replacement	City of Melrose	Tessa Beuning	Central	\$ 2,768,000	\$ 2,768,000	\$ -	08c	\$ 2,768,000	\$ -	\$ 2,768,000	\$ -	No Change	08b	\$ 2,768,000	\$ -	\$ 2,768,000	\$ -	No Change	08c	\$ 2,768,000	\$ -	\$ 2,768,000	\$ -	No Change
08d	232-FH	Conserving and Monitoring of Minnesota's Rare Arctic Plants	U of MN - Duluth	Briana Gross	NE	\$ 135,000	\$ 135,000	\$ -	08d	\$ 135,000	\$ -	\$ 135,000	\$ -	No Change	---	\$ -	\$ -	\$ -	\$ -	Deleted	08d	\$ 135,000	\$ -	\$ 135,000	\$ -	No Change
---	178-F	Nongame Wildlife Program Acceleration	MN DNR	Cynthia Osmundson	Statewide	\$ -	\$ -	\$ -	08e	\$ 780,000	\$ -	\$ 780,000	\$ -	Added	---	\$ -	\$ -	\$ -	\$ -	---	08e	\$ 513,000	\$ -	\$ 513,000	\$ -	Added
---	---	Lawns to Legumes	BWSR	Angie Becker-Kudelka	Statewide	\$ -	\$ -	\$ -	---	\$ -	\$ -	\$ -	\$ -	---	---	\$ -	\$ -	\$ -	\$ -	---	08f	\$ 900,000	\$ 806,000	\$ 94,000	\$ -	Added
---	---	Agriculture Weed Control Using Autonomous Mowers	U of MN - Morris	Eric Buchanan	Central	\$ -	\$ -	\$ -	---	\$ -	\$ -	\$ -	\$ -	---	---	\$ -	\$ -	\$ -	\$ -	---	08g	\$ 900,000	\$ -	\$ 900,000	\$ -	Added
<b>Methods to Protect or Restore Land, Water, and Habitat Subtotal =</b>						<b>\$4,453,000</b>	<b>\$4,453,000</b>	<b>\$0</b>	<b>\$5,233,000 \$0 \$5,233,000 \$0</b>					<b>\$3,518,000 \$0 \$3,518,000 \$0</b>					<b>\$6,766,000 \$806,000 \$5,960,000 \$0</b>							
<b>Subd. 09 Land Acquisition, Habitat, and Recreation (15 Recommendations - Subtotal = \$25,101,000)</b>																										
09a	247-G	Minnesota Scientific and Natural Areas	MN DNR	Judy Schulte	Statewide	\$ 3,500,000	\$ 3,500,000	\$ -	09a	\$ 3,500,000	\$ -	\$ 3,500,000	\$ -	No Change	---	\$ -	\$ -	\$ -	\$ -	Deleted	09a	\$ 3,500,000	\$ -	\$ 3,500,000	\$ -	No Change
09b	248-G	Grants for Local Parks, Trails, and Natural Areas	MN DNR	Audrey Mularie	Statewide	\$ 3,000,000	\$ 3,000,000	\$ -	09b	\$ 3,000,000	\$ -	\$ 3,000,000	\$ -	No Change	09a	\$ 4,096,000	\$ -	\$ 4,096,000	\$ -	Increased	09b	\$ 3,000,000	\$ -	\$ 3,000,000	\$ -	No Change
09c	249-G	Minnesota State Parks and State Trails In-Holdings	MN DNR	Jennifer Christie	Statewide	\$ 2,000,000	\$ 2,000,000	\$ -	09c	\$ 4,907,000	\$ 1,000,000	\$ 3,907,000	\$ -	Increased	---	\$ -	\$ -	\$ -	\$ -	Deleted	09c	\$ 2,000,000	\$ -	\$ 2,000,000	\$ -	No Change
09d	251-G	Minnesota State Trails Development	MN DNR	Kent Skaar	Statewide	\$ 5,000,000	\$ 5,000,000	\$ -	09d	\$ 8,371,000	\$ 124,000	\$ 8,247,000	\$ -	Increased	09b	\$ 3,000,000	\$ -	\$ 3,000,000	\$ -	Reduced	09d	\$ 5,000,000	\$ -	\$ 5,000,000	\$ -	No Change
09e	252-G	National Loon Center	National Loon Center Foundation	Leah Heggerston	Central	\$ 4,000,000	\$ 4,000,000	\$ -	09e	\$ 4,000,000	\$ -	\$ 4,000,000	\$ -	No Change	09c	\$ 4,000,000	\$ -	\$ 4,000,000	\$ -	No Change	09e	\$ 4,000,000	\$ -	\$ 4,000,000	\$ -	No Change
09f	253-G	Accessible Fishing Piers	MN DNR	Nancy Stewart	Statewide	\$ 320,000	\$ 320,000	\$ -	09f	\$ 320,000	\$ -	\$ 320,000	\$ -	No Change	09d	\$ 320,000	\$ -	\$ 320,000	\$ -	No Change	09f	\$ 320,000	\$ -	\$ 320,000	\$ -	No Change
09g	254-G	Mesabi Trail Extensions	St. Louis & Lake Counties Regional Railroad Authority	Bob Manzoline	NE	\$ 3,000,000	\$ 3,000,000	\$ -	09g	\$ 3,000,000	\$ -	\$ 3,000,000	\$ -	No Change	09e	\$ 3,000,000	\$ -	\$ 3,000,000	\$ -	No Change	09g	\$ 3,000,000	\$ -	\$ 3,000,000	\$ -	No Change
09h	264-G	Birch Lake Recreation Area Campground	City of Babbitt	Cathy Bissonette	NE	\$ 350,000	\$ 350,000	\$ -	09j	\$ 700,000	\$ 350,000	\$ 350,000	\$ -	Increased	09f	\$ 350,000	\$ -	\$ 350,000	\$ -	No Change	09h	\$ 350,000	\$ -	\$ 350,000	\$ -	No Change
09i	256-G	Britton Peak to Lutsen Mountain Bike Trail	Superior Cycling Association	Tim Kennedy	NE	\$ 300,000	\$ 300,000	\$ -	09h	\$ 350,000	\$ 50,000	\$ 300,000	\$ -	Increased	---	\$ -	\$ -	\$ -	\$ -	Deleted	09i	\$ 350,000	\$ -	\$ 350,000	\$ -	Increased \$50,000
09j	257-G	Preserving the Avon Hills with Reverse-Bidding Easements	Saint Johns University	John Geissler	Central	\$ 1,600,000	\$ 1,600,000	\$ -	09i	\$ 1,600,000	\$ -	\$ 1,600,000	\$ -	No Change	---	\$ -	\$ -	\$ -	\$ -	Deleted	09j	\$ 1,600,000	\$ -	\$ 1,600,000	\$ -	No Change
09k	265-G	Bailey Lake Trail and Fishing Pier	City of Virginia	Britt See-Benes	NE	\$ 550,000	\$ 550,000	\$ -	09k	\$ 550,000	\$ -	\$ 550,000	\$ -	No Change	09g	\$ 550,000	\$ -	\$ 550,000	\$ -	No Change	09k	\$ 550,000	\$ -	\$ 550,000	\$ -	No Change
09l	266-G	Vergas Long Lake Trail	City of Vergas	Julie Lammers	NW	\$ 290,000	\$ 290,000	\$ -	09l	\$ 290,000	\$ -	\$ 290,000	\$ -	No Change	09h	\$ 290,000	\$ -	\$ 290,000	\$ -	No Change	09l	\$ 290,000	\$ -	\$ 290,000	\$ -	No Change
09m	269-G	Glacial Edge Trail and Downtown Pedestrian Bridge	City of Fergus Falls	Ryan Miller	NW	\$ 600,000	\$ 600,000	\$ -	09m	\$ 600,000	\$ -	\$ 600,000	\$ -	No Change	09i	\$ 600,000	\$ -	\$ 600,000	\$ -	No Change	09m	\$ 600,000	\$ -	\$ 600,000	\$ -	No Change
09n	271-G	Crane Lake to Vermilion Falls Trail	Voyageur Country ATV	Bruce Beste	NE	\$ 400,000	\$ 400,000	\$ -	09n	\$ 400,000	\$ -	\$ 400,000	\$ -	No Change	09j	\$ 400,000	\$ -	\$ 400,000	\$ -	No Change	09n	\$ 400,000	\$ -	\$ 400,000	\$ -	No Change
09o	272-GH	Restoring Five Sections of the Superior Hiking Trail	Superior Hiking Trail Association	Denny Caneff	NE	\$ 191,000	\$ 191,000	\$ -	09o	\$ 191,000	\$ -	\$ 191,000	\$ -	No Change	09k	\$ 191,000	\$ -	\$ 191,000	\$ -	No Change	09o	\$ 191,000	\$ -	\$ 191,000	\$ -	No Change
---	262-G	Rainy Lake Recreational Access and Boat Wash	City of Ranier	Sherril Gautreaux	NE	\$ -	\$ -	\$ -	09q	\$ 200,000	\$ 200,000	\$ -	\$ -	Added	---	\$ -	\$ -	\$ -	\$ -	---	09p	\$ 200,000	\$ -	\$ 200,000	\$ -	Added
---	---	Historic Bruce Mine Park and Mesabi Trailhead	St. Louis & Lake Counties Regional Railroad Authority	Bob Manzoline	NE	\$ -	\$ -	\$ -	---	\$ -	\$ -	\$ -	\$ -	---	---	\$ -	\$ -	\$ -	\$ -	---	09q	\$ 1,000,000	\$ -	\$ 1,000,000	\$ -	Added
---	250-G	Native Prairie Bank	MN DNR	---	---	\$ -	\$ -	\$ -	09p	\$ 3,406,000	\$ -	\$ 3,406,000	\$ -	Added	---	\$ -	\$ -	\$ -	\$ -	---	---	\$ -	\$ -	\$ -	\$ -	---
---	---	State Park and Recreation Area Operations and Improvements	MN DNR	---	---	\$ -	\$ -	\$ -	---	\$ -	\$ -	\$ -	\$ -	---	09l	\$ 10,000,000	\$ -	\$ 10,000,000	\$ -	Added	---	\$ -	\$ -	\$ -	\$ -	---
<b>Land Acquisition, Habitat, and Recreation Subtotal =</b>						<b>\$ 25,101,000</b>	<b>\$ 25,101,000</b>	<b>\$0</b>	<b>\$ 35,385,000 \$ 1,724,000 \$ 33,661,000 \$0</b>					<b>\$ 26,797,000 \$0 \$ 26,797,000 \$0</b>					<b>\$ 26,351,000 \$0 \$ 26,351,000 \$0</b>							
<b>Subd. 10 Administration and Contract Agreement Reimbursement (3 Recommendations - Subtotal = \$1,538,000)</b>																										
10a	273-I	Contract Agreement Reimbursement	MN DNR	Katherine Sherman-Hoehn	Statewide	\$ 135,000	\$ 135,000	\$ -	10a	\$ 135,000	\$ -	\$ 135,000	\$ -	No Change	10a	\$ 135,000	\$ -	\$ 135,000	\$ -	No Change	10a	\$ 135,000	\$ -	\$ 135,000	\$ -	No Change

M.L. 2019 Environment and Natural Resources Trust Fund (ENRTF)  
LCCMR Recommendations for FY 2020

						LCCMR Recommendations as of 12/4/2018			H.F. 2032 2nd Engrossment - Rep. Hansen (Author) as amended and passed off House Floor 5/1/2019					S. F. 2314 1st Engrossment Omnibus Environment Bill - Sen. Ingebrigtsen (Author) [incorporates and amends S.F. 2201 - Sen. Westrom (Author)] as Amended and Adopted on the Senate Floor 4/23/2019					M.L. 2019, First Special Session, Chp. 4, Art. 2, Sec. 2 Signed 5/31/2019							
Subd.	Proposal ID	Title	Organization	Program Manager	Region*	Total LCCMR \$ Recommended FY2020	Trust Fund \$ FY2020	2016 Trust Fund \$ Reallocated	Subd.	Total FY2019 FY2020 & Reallocation	Trust Fund \$ FY2019	Trust Fund \$ FY2020	2016 Trust Fund \$ Reallocated	House Status vs. LCCMR Rec.	Subd.	Total FY2019 FY2020 & Reallocation	Trust Fund \$ FY2019	Trust Fund \$ FY2020	2016 Trust Fund \$ Reallocated	Senate Status vs. LCCMR Rec.	Subd.	Total FY2019 FY2020 & Reallocation	Trust Fund \$ FY2019	Trust Fund \$ FY2020	2016 Trust Fund \$ Reallocated	Conf. Committee vs. LCCMR Rec.
10b	---	LCCMR Administration	Legislative-Citizen Commission on Minnesota Resources	Becca Nash	Statewide	\$ 1,400,000	\$ 1,400,000	\$ -	10b	\$ 1,400,000	\$ -	\$ 1,400,000	\$ -	No Change	10b	\$ 1,400,000	\$ -	\$ 1,400,000	\$ -	No Change	10b	\$ 1,400,000	\$ -	\$ 1,400,000	\$ -	No Change
10c	---	LCC Administration	Legislative Coordinating Commission	Sally Olson	Statewide	\$ 3,000	\$ 3,000	\$ -	10c	\$ 3,000	\$ -	\$ 3,000	\$ -	No Change	10c	\$ 3,000	\$ -	\$ 3,000	\$ -	No Change	10c	\$ 3,000	\$ -	\$ 3,000	\$ -	No Change
---	---	Grants Management System	Legislative-Citizen Commission on Minnesota Resources	Becca Nash	Statewide	\$ -	\$ -	\$ -	10d	\$ 330,000	\$ 330,000	\$ -	\$ -	Added	---	\$ -	\$ -	\$ -	\$ -	---	---	\$ 330,000	\$ 330,000	\$ -	\$ -	Added
<b>Administration and Contract Agreement Reimbursement Subtotal =</b>						<b>\$ 1,538,000</b>	<b>\$ 1,538,000</b>	<b>\$0</b>						<b>\$ 1,538,000</b>	<b>\$0</b>	<b>\$ 1,538,000</b>	<b>\$0</b>						<b>\$ 1,538,000</b>	<b>\$330,000</b>	<b>\$ 1,538,000</b>	<b>\$0</b>
<b>Subd. 11 Wastewater Treatment Recommendations (2 Recommendations - Subtotal = \$2,000,000)</b>																										
11a	---	Water Infrastructure Funding Program	Public Facilities Authority	Jeff Freeman	Statewide	\$ 1,500,000	\$ 1,500,000	\$ -	11a	\$ -	\$ -	\$ -	\$ -	Deleted	11a	\$ 9,340,000	\$ -	\$ 9,340,000	\$ -	Increased by \$7,840,000	---	\$ -	\$ -	\$ -	\$ -	Deleted
11a	---	Water Infrastructure Loans	Public Facilities Authority	Jeff Freeman	Statewide	---	---	\$ -	---	\$ -	\$ -	\$ -	\$ -	---	---	---	\$ -	---	\$ -	---	11a**	\$ -	\$ -	\$ -	\$ -	**See Note Below
11b	---	Optimization of Local Mechanical and Pond Wastewater-Treatment Plants	Minnesota Pollution Control Agency	Joel Peck	Statewide	\$ 500,000	\$ 500,000	\$ -	11b	\$ 500,000	\$ -	\$ 500,000	\$ -	No Change	11b	\$ 500,000	\$ -	\$ 500,000	\$ -	No Change	11b	\$ 500,000	\$ -	\$ 500,000	\$ -	No Change
<b>Wastewater Treatment Recommendations Subtotal =</b>						<b>\$ 2,000,000</b>	<b>\$ 2,000,000</b>	<b>\$0</b>						<b>\$ 9,840,000</b>	<b>\$0</b>	<b>\$ 9,840,000</b>	<b>\$0</b>						<b>\$ 500,000</b>	<b>\$0</b>	<b>\$ 500,000</b>	<b>\$0</b>
<b>Subd. 12 Fiscal Year 2019 Appropriations</b>																										
---	---	Wastewater Infrastructure Funding	Public Facilities Authority	Jeff Freeman	Statewide	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -		12b	\$ 1,136,000	\$ 1,136,000	\$ -	\$ -	Added		\$ -	\$ -	\$ -	\$ -	
<b>Administration and Contract Agreement Reimbursement Subtotal =</b>						<b>\$0</b>	<b>\$0</b>	<b>\$0</b>						<b>\$ 1,136,000</b>	<b>\$ 1,136,000</b>	<b>\$ -</b>	<b>\$ -</b>						<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Total \$ Recommendations =</b>						<b>\$ 53,696,000</b>	<b>\$ 53,547,000</b>	<b>\$ 149,000</b>						<b>\$ 64,476,000</b>	<b>\$ 2,940,000</b>	<b>\$ 61,387,000</b>	<b>\$ 149,000</b>						<b>\$ 64,476,000</b>	<b>\$ 2,940,000</b>	<b>\$ 61,387,000</b>	<b>\$ 149,000</b>

\* 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.

\*\* Subd. 11a "Water Infrastructure Loans" - Up to \$5,000,000 of the money in the trust fund is available to the State Board of Investment to invest in loans through the Public Facilities Authority's clean water revolving fund under Minnesota Statutes, section 446A.07. Notwithstanding Minnesota Statutes, section 446A.07, repayments of principal and interest and any investment income must be credited to the trust fund and are available for reinvestment in the clean water revolving fund.