

**Revised 9/20/2017 - LCCMR Presentation Schedule - 2018 Proposals - DAY 1**

**Tuesday, September 26, 2017 - Co-chair: Sen. Bill Ingebrigtsen**

**Room 5, State Office Building, St. Paul, MN**

**8:30 AM - 4:00 PM**

<b>Time</b>	<b>ID #</b>	<b>Project Title</b>	<b>\$ Request</b>	<b>Organization</b>	<b>Project Manager</b>
<b>8:30 AM</b>	N/A	LCCMR Business Meeting/Process and Issue Discussion	N/A	N/A	N/A
<b>9:00 AM</b>	001-A	Minnesota Geological Survey Geologic Atlases for Water Resource Management Part-A	\$4,121,625	U of MN - MN Geological Survey	Setterholm, Dale
<b>9:25 AM</b>	002-A	County Geologic Atlas for Water Resource Sustainability Part-B	\$2,400,000	MN DNR	Putzier, Paul
<b>9:50 AM</b>	003-A	Providing Critical Water Quality Information for Lake Management	\$477,000	U of MN	Peterson, Jeffrey
<b>10:15 AM</b>	004-A	Minnesota Biodiversity Atlas: Phase II Expansion	\$496,000	U of MN	Weiblen, George
<b>10:40 AM</b>	006-A	Maximizing Wildlife, Water, and Productivity in Peatland Forests	\$698,000	U of MN	Windmuller-Campione, Marcella
<b>11:05 AM</b>	008-A	Safeguarding Red Pine Forest Health and Productivity	\$420,000	U of MN	Montgomery, Rebecca
<b>11:30 AM</b>	009-A	Minnesota Trumpeter Swan Migration Ecology and Conservation	\$389,988	U of MN	Andersen, David
<b>11:55 AM</b>	016-A	Conservation of Minnesota's Forest Birds of Management Concern	\$613,998	U of MN - Duluth NRRI	Grinde, Alexis
<b>Break for Lunch</b>					
<b>1:05 PM</b>	007-A	Deer Movement Related to Potential CWD Prion Transmission	\$552,456	MN DNR	Jennelle, Chris
<b>1:30 PM</b>	042-B	Rapid Detection of Algal Toxins in Minnesota Lakes	\$686,013	U of MN - Duluth NRRI	Bramburger, Andrew
<b>1:55 PM</b>	011-A	Conserving Minnesota's Turtles through Research and Education	\$364,000	Minnesota Zoological Garden	Stapleton, Seth
<b>2:20 PM</b>	072-B	Increasing Contaminants and Temperature Eliminate Minnesota Turtles	\$248,632	St. Cloud State University	Kohno, Satomi
<b>2:45 PM</b>	074-B	Minnesota's Coldwater Fish Decline: Causes and Solutions	\$789,021	U of MN - Duluth NRRI	Reavie, Euan
<b>3:10 PM</b>	028-A	Cover Crops for Wildlife Phase I	\$346,720	Pheasants Forever Inc	Bruse, Tanner
<b>3:35 PM</b>	030-A	Data Acquisition to Develop Native Mussel Habitat Suitability	\$309,778	National Park Service	Duncan, Nancy

**Revised 9/20/2017 - LCCMR Presentation Schedule - 2018 Proposals - DAY 2**

**Wednesday September 27, 2017 - Co-chair: Rep. Josh Heintzeman**

**Room 5, State Office Building, St. Paul, MN**

**8:30 AM - 4:00 PM**

<b>Time</b>	<b>ID #</b>	<b>Project Title</b>	<b>\$ Request</b>	<b>Organization</b>	<b>Project Manager</b>
<b>8:30 AM</b>	017-A	Minnesota Soil Microbiomes: Foundational Database for Environmental Health	\$924,000	U of MN	Kinkel, Linda
<b>9:00 AM</b>	022-A	Variable Winter Thermal Regimes and Managing Trout Streams	\$499,935	U of MN	Ferrington, Leonard
<b>9:25 AM</b>	035-B	Wastewater Treatment Plant Optimization Pilot Program	\$236,360	Minnesota Pollution Control Agency	Peck, Joel
<b>9:50 AM</b>	038-B	Biological Sulfate Removal for Wastewater Treatment in Minnesota	\$494,000	U of MN	Behrens, Sebastian
<b>10:15 AM</b>	037-B	Investigation of Road Salt Alternatives and Pavement Innovations	\$521,999	U of MN	Gulliver, John
<b>10:40 AM</b>	041-B	Contaminant Removal Efficiency of Urban Stormwater Treatment Ponds	\$377,588	St. Cloud State University	Schoenfuss, Heiko
<b>11:05 AM</b>	094-B	ShellRock River Watershed Stormwater Quality Trading Pilot Program	\$350,000	Shell Rock River Watershed District	Christensen, Courtney
<b>11:30 AM</b>	036-B	Phosphorus Accumulating Fungi to Control Agricultural Runoff Pollution	\$361,000	U of MN	Bushley, Kathryn
<b>11:55 AM</b>	086-B	Optimal Configuration of Windbreaks for Agricultural Water Conservation	\$368,614	U of MN	Ebtehaj, Ardeshir
<b>Break for Lunch</b>					
<b>1:05 PM</b>	055-B	Working Farmlands: Targeting Alfalfa Production for Water Protection	\$752,913	U of MN	Jordan, Nicholas
<b>1:30 PM</b>	014-A	An Early Warning System for Wildlife Health Threats	\$280,000	U of MN	VanderWaal, Kimberly
<b>1:55 PM</b>	015-A	Restoring Prairie Biodiversity and Pollinator Habitat with Haying	\$458,362	Carleton College	Hernández, Daniel
<b>2:20 PM</b>	048-B	Small Cheap Purification System for Cleaner Drinking Water	\$496,788	U of MN	Cui, Tianhong
<b>2:45 PM</b>	045-B	Developing a Map of Arsenic Risk in Groundwater	\$550,000	U of MN	Ng, G.-H. Crystal
<b>3:10 PM</b>	054-B	Emerging Pathogens in Lakes, Rivers, and Tap Water	\$355,244	U of MN	LaPara, Timothy
<b>3:35 PM</b>	039-B	Defining Minnesota's Environmental Antibiotic and Antibiotic Resistance Footprint	\$921,584	U of MN	Singer, Randall

**Revised 9/20/2017 - LCCMR Presentation Schedule - 2018 Proposals - DAY 3**

**Thursday September 28, 2017 - Co-chair: Jeff Broberg**

**Room 5, State Office Building, St. Paul, MN**

**8:30 AM - 5:30 PM**

Time	ID #	Project Title	\$ Request	Organization	Project Manager
<b>8:30 AM</b>	N/A	LCCMR Business Meeting/Process and Issue Discussion	N/A	N/A	N/A
<b>9:00 AM</b>	099-C	Increasing Diversity in Environmental Careers: Fellowships, internships, Mentorships	\$1,000,000	MN DNR	Legato, Denise
<b>9:25 AM</b>	102-C	Pollinator Ambassadors for Urban Gardens	\$421,431	U of MN	Evans, Elaine
<b>9:50 AM</b>	118-C	Morris Prairie Pollinator Demonstration and Education	\$681,000	U of MN - Morris	Poppe, Steven
<b>10:15 AM</b>	111-C	Youth Convening Minnesota	\$300,000	Climate Generation: A Will Steger Legacy	Poppleton, Kristin
<b>10:40 AM</b>	106-C	YES! Students Take on Minnesota Water Quality Challenge	\$213,700	Prairie Woods Environmental Learning Center	Foster, Shelli-Kae
<b>11:05 AM</b>	109-C	Phase 2 Prairie Sportsman Statewide Environmental Education Project	\$300,000	Pioneer Public Television	Bakken, Timothy
<b>11:30 AM</b>	157-E	Agricultural Weed Control Using Robots	\$600,000	University of Minnesota - Morris	Reese, Michael
<b>11:55 AM</b>	159-E	Community-Scale Energy Storage Guide for Renewable Energy	\$625,478	U of MN	Anderson, Ellen
<b>Break for Lunch</b>					
<b>1:05 PM</b>	121-C	River Watch on the Minnesota River	\$103,000	Friends of the Minnesota Valley	Suss, Ted
<b>1:30 PM</b>	110-C	Unlocking the Science of Minnesota's Moose Decline	\$300,000	Minnesota Zoological Garden	Mattson, Nicole
<b>1:55 PM</b>	120-C	Expanding Nature Knowledge and Experience in North Minneapolis	\$865,000	Minneapolis Park & Recreation Board	Pulscher, MaryLynn
<b>2:20 PM</b>	112-C	Get Outdoors After School!	\$30,000	Project Get Outdoors, Inc.	Holger, Sara
<b>2:45 PM</b>	103-C	Online Modules Build Local Capacity to Protect Groundwater	\$335,000	Minnesota Department of Health	Raber, Carrie
<b>3:10 PM</b>	114-C	Integrating Environmental Science Research in High School Education	\$445,000	U of MN	Yakub, Mohamed
<b>3:35 PM</b>	115-C	Students Using Local Phenology Contributes to Citizen Science	\$224,000	U of MN	Carlson, Stephan
<b>4:00 PM</b>	116-C	Strengthening Natural Resources Management with Drone Training	\$132,000	U of MN	Knight, Joseph
<b>4:25 PM</b>	108-C	Preserve Resources by Expanding the State's Reuse Sectors	\$363,910	ReUSE Minnesota	Thomas, Steve
<b>4:50 PM</b>	164-E	Phase II- Reduce Solid Waste and Greenhouse Gas Emissions	\$1,151,931	The NetWork for Better Futures (D/B/A) Better Futures Minnesota	Swaggert, Nick

**Revised 9/20/2017 - LCCMR Presentation Schedule - 2018 Proposals - DAY 4**

**Tuesday, October 3, 2017 - Co-chair: Sen. Bill Ingebrigtsen**

**Room 5, State Office Building, St. Paul, MN**

**8:30 AM - 5:00 PM**

<b>Time</b>	<b>ID #</b>	<b>Project Title</b>	<b>\$ Request</b>	<b>Organization</b>	<b>Project Manager</b>
<b>8:30 AM</b>	132-D	Minnesota Invasive Terrestrial Plants and Pests Center 4	\$7,000,000	U of MN	Venette, Robert
<b>9:00 AM</b>	135-D	Slow the Spread of the Emerald Ash Borer	\$14,689,500	Minnesota Department of Agriculture	Abrahamson, Mark
<b>9:25 AM</b>	138-D	Monitoring and Biocontrol of Brown Marmorated Stink Bug	\$199,224	Minnesota Department of Agriculture	Ambourn, Angie
<b>9:50 AM</b>	141-D	Palmer Amaranth Detection and Eradication	\$431,200	Minnesota Department of Agriculture	Chandler, Monika
<b>10:15 AM</b>	147-D	Terrestrial Invasive Plant Detection Methods for Forest Lands	\$300,000	MN DNR	Burks, Susan
<b>10:40 AM</b>	139-D	Determining Minnesota's Risk of a Toxic Algal Invader	\$243,000	Science Museum of Minnesota	Heathcote, Adam
<b>11:05 AM</b>	152-D	Evaluate Control Methods for Invasive Hybrid Cattails	\$131,920	Voyageurs National Park	Windels, Steve
<b>11:30 AM</b>	133-D	Developing RNA Interference Genetic Controls for Zebra Mussels	\$716,207	U.S. Geological Survey	Merkes, Christopher
<b>11:55 AM</b>	134-D	An Effective and Practical Invasive Carp Deterrent	\$998,000	U of MN	Sorensen, Peter
<b>Break for Lunch</b>					
<b>1:05 PM</b>	N/A	LCCMR Business Meeting/Process and Issue Discussion	N/A	N/A	N/A
<b>1:30 PM</b>	012-A	Forest Regeneration – Validating Operational Seed Zones	\$796,395	U of MN - Duluth	Etterson, Julie
<b>1:55 PM</b>	018-A	Mapping Avian Movement in Minnesota	\$682,060	U of MN - Duluth NRRI	Niemi, Gerald
<b>2:20 PM</b>	101-C	Connecting Students with Watersheds through Hands-on Learning	\$581,270	Minnesota Trout Unlimited	Lenczewski, John
<b>2:45 PM</b>	174-E	Production and Utilization of Biomass: St. Louis County	\$3,999,300	St. Louis County Land and Minerals Department	Weber, Mark
<b>3:10 PM</b>	158-E	Clean Electricity from Solar Windows	\$458,494	U of MN	Kortshagen, Uwe
<b>3:35 PM</b>	160-E	Cheap Solar Energy from Roll-to-Roll Manufacturing	\$388,852	U of MN	Cui, Tianhong
<b>4:00 PM</b>	127-C	Preparing Minnesotans for Changes in Wolf Management	\$1,200,000	International Wolf Center	Kline, David
<b>4:25 PM</b>	169-E	Bringing Geothermal Power to MN: CO2 Power-system Test	\$315,250	TerraCOH Inc.	Randolph, Jimmy

**Revised 9/20/2017 - LCCMR Presentation Schedule - 2018 Proposals - DAY 5**

**Wednesday, October 4, 2017 - Co-chair: Rep. Josh Heintzeman**

**Room 5, State Office Building, St. Paul, MN**

**8:30 AM - 5:30 PM**

Time	ID #	Project Title	\$ Request	Organization	Project Manager
8:30 AM	178-F	Nongame Wildlife Program Acceleration	\$2,000,000	MN DNR	Henderson, Carrol
9:00 AM	179-F	Preserving and Restoring Minnesota's Native Orchids – Phase 2	\$468,000	U of MN	Remucal, David
9:25 AM	013-A	Assessing Ecosystem Services Provided by Lichens and Mosses	\$213,000	U of MN	Stanton, Daniel
9:50 AM	180-F	Show Me the Money:10 Markets for Perennials	\$347,500	Science Museum of Minnesota	Schottler, Shawn
10:15 AM	184-F	Repurposing Unprofitable Cropland: Water and Wildlife's Silver Bullet?	\$319,063	Science Museum of Minnesota	Ulrich, Jason
10:40 AM	187-F	Implementing Novel Market-based Methods for Urban Habitat Restoration	\$499,900	Great River Greening	Huckett, Steven
11:05 AM	194-F	MN CREP for Water Quality and Habitat	\$15,000,000	Minnesota Board of Water and Soil Resources	Rickert, Dave
11:30 AM	203-G	Private Native Prairie Conservation through Native Prairie Bank	\$4,535,000	MN DNR	Schulte, Judy
11:55 AM	215-G	Prioritize and Target north-central Minnesota Lakes for Protection	\$1,492,500	Crow Wing Soil and Water Conservation Districts	Barrick, Melissa
<b>Break for Lunch</b>					
1:05 PM	191-F	Are We Turning Wild Prairie Plants Into Crops?	\$555,441	U of MN - Duluth	Haines, Dustin
1:30 PM	186-F	Restoring Wetland Invertebrates to Revive Wildlife Habitat	\$417,895	MN DNR	Larson, Danelle
1:55 PM	190-F	Working Conservation Lands for Grazing, Harvest, and Habitat	\$315,000	Minnesota Board of Water and Soil Resources	Rhees, Suzanne
2:20 PM	196-F	Okabena Creek Water Quality and Flood Protection Demonstration	\$720,565	Heron Lake Watershed District	Voit, Jan
2:45 PM	188-F	Converting Agricultural Wastes Into Energy, Polymers, and Fertilizers	\$949,000	U of MN	Pagliari, Paulo
3:10 PM	195-F	Replacing Plastic Cover in Vegetable Production with BioMulch	\$310,000	U of MN	Pagliari, Paulo
3:35 PM	183-F	Sediment Hazards to Trout in Southeast Minnesota Streams	\$337,000	U of MN	Wickert, Andrew
4:00 PM	185-F	Advancing Streambank Protection Systems	\$286,426	U of MN	Guala, Michele
4:25 PM	189-F	Increasing Timber Availability and Habitat With Soil Management	\$396,000	U of MN	Slesak, Robert
4:50 PM	182-F	Restoring Minnesota's Forests in State Parks	\$432,240	MN DNR	Quinn, Edward

**Revised 9/20/2017 - LCCMR Presentation Schedule - 2018 Proposals - DAY 6**

**Thursday, October 5, 2017 - Co-chair: Jeff Broberg**

**Room 5, State Office Building, St. Paul, MN**

**8:30 AM - 4:30 PM**

Time	ID #	Project Title	\$ Request	Organization	Project Manager
8:30 AM	200-G	Minnesota State Parks and State Trails Land Acquisition	\$5,000,000	MN DNR	Christie, Jennifer
9:00 AM	202-G	Minnesota State Trails - Development and Enhancement	\$5,000,000	MN DNR	Skaar, Kent
9:25 AM	199-G	SNA Habitat Restoration, Public Engagement, and Strategic Acquisition	\$6,760,265	MN DNR	Booth, Margaret (Peggy)
9:50 AM	207-G	Harmony State Trail Extension Land Acquisition	\$235,000	City of Harmony	Illg, Jerome
10:15 AM	208-G	Mississippi Blufflands State Trail - Red Wing Riverfront	\$920,000	City of Red Wing	Owens, Jay
10:40 AM	212-G	Swedish Immigrant Trail Segment within Interstate State Park	\$2,254,665	Chisago County Environmental Services	Mork, Laird
11:05 AM	201-G	Local Parks, Trails and Natural Area Grants	\$3,000,000	MN DNR	Mularie, Audrey
11:30 AM	205-G	Mesabi Trail, County Road 88 to Ely Segment	\$600,000	St. Louis and Lake Counties Regional Railroad Authority	Manzoline, Robert
11:55 AM	209-G	Superior Hiking Trail Enhancement Plan	\$100,200	Superior Hiking Trail Association	Caneff, Denny
<b>Break for Lunch</b>					
1:05 PM	213-G	A Local-State-Federal Partnership Protects multiple public benefits on the Mississippi River	\$700,000	City of Baxter	Doty, Josh
1:30 PM	214-G	Mississippi Riverfront Redevelopment Project	\$1,000,000	City of Brainerd	Thoreen, Jim
1:55 PM	057-B	Preventing Nitrate Contamination of Groundwater Using Perennial Grains	\$759,312	Minnesota Department of Agriculture	Peterson, Heidi
2:20 PM	064-B	Unregulated Contaminants: Addressing Gaps in Drinking Water Protection	\$2,107,920	Minnesota Department of Health	Robertson, Stephen
2:45 PM	034-B	Removing Plastic Particle Pollution from Minnesota Water Bodies	\$388,557	U of MN	Coletti, Filippo
3:10 PM	166-E	Life Cycle Analysis of Anaerobic Digestion and Organics	\$250,000	Minnesota Pollution Control Agency	Walsh, Kayla
3:35 PM	027-A	Foundational Assessment of Soil Health Metrics in Minnesota	\$695,477	U of MN	Jelinski, Nicolas
4:00 PM	N/A	LCCMR Business Meeting: Discussion of LCCMR Allocations Process on Oct. 17-18 and ENRTF ID: 217-H "Contract Agreement Reimbursement"	N/A	N/A	N/A