



**LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES**

100 REV. DR. MARTIN LUTHER KING JR. BLVD.  
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Becca Nash, Director

**MINUTES**

**Tuesday, June 19, 2018**

**8:30 a.m. – 5:00 p.m.**

**State Office Building, Room 200**

**St. Paul, MN 55155**

**Members Present:** Sen. Gary Dahms, Sen. Kari Dziedzic, William Faber, Nancy Gibson, Rep. Josh Heintzeman, Rep. Joe Hoppe, Sen. Bill Ingebrigtsen, Nicole Kessler, Denny McNamara, Norman Moody, Michael Reese, Sen. David Tomassoni, Rep. Jean Wagenius, Sen. Torrey Westrom, Della Young

**Staff Present:** B. Nash, M. McDonough, M. Varien, D. Griffith

**Members Excused:** Rep. Rob Ecklund

**Members Absent:** Rep. Jim Newberger

**Chair: Co-Chair Rep. Josh Heintzeman**

Co-Chair Heintzeman convened the meeting at 8:30 a.m.

**1. Approve the minutes for June 5, 2018**

MOTION: Commissioner Young moved to approve the minutes for June 5, 2018 – motion prevailed.

**2. Members report potential conflicts of interest regarding today's business**

Members reported no conflicts of interest for today's meeting.

Director Nash provided an overview of the scoring materials in their packets. Members agreed to discuss further at the end of the day.

**3. Environment and Natural Resources Trust Fund 2019 Proposal Presentations (FY20) – see attached schedule (subject to change)**

See Attachment #1 for Presentation Schedule for June 19, 2018.

**4. Lunch**

Members recessed at 12:30 p.m. and reconvened at 1:00 p.m.

**5. Continue Environment and Natural Resources Trust Fund 2019 Proposal Presentations (FY20) – see attached schedule (subject to change)**

See Attachment #1 for Presentation Schedule for June 19, 2018.

**6. Other LCCMR business (as needed) – Following last presentation**

**• Next steps in the process**

Commissioner Gibson asked that they could have elections on Wednesday instead of Thursday. Members agreed.

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Members agreed to add another item to the LCCMR agenda tomorrow called 'Discussion on Category H Proposals seeking \$200,000 or less in funding'. Director Nash stated staff will revise the agenda.

### 7. Adjourn

MOTION: Commission Faber moved to adjourn for the day – motion prevailed.

Meeting adjourned at 5:00 p.m.

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# DAY 1

Tuesday, June 19

**LCCMR Presentation Schedule - 2019 Proposals**  
**Tuesday, June 19, 2018 - Co-chair: Rep. Heintzeman**  
**Room 200, State Office Building, St. Paul, MN**  
**8:30 AM - 5:00 PM**

Time	ID #	Project Title	\$ Request	Organization	Project Manager
8:30 AM	001-A	Minnesota Biological Survey – Continuation	\$2,987,000	MN DNR	Carlson, Bruce
8:50 AM	004-A	Minnesotas Ecological Monitoring Network - Continuation	\$696,004	MN DNR	Texler, Hannah
9:10 AM	002-A	Minnesota Geological Survey Geologic Atlases for Water Resource Management	\$4,121,625	U of MN - MN Geological Survey	Lusardi, Barbara
9:30 AM	274-J	County Geologic Atlases - Part B	\$1,500,000	MN DNR	Putzier, Paul
9:50 AM	010-A	A Better System for Wetland Inventory Data Stewardship	\$291,000	MN DNR	Kloiber, Steve
10:10 AM	102-BH	Minnesota Spring Inventory Final Phase	\$71,000	MN DNR	Putzier, Paul
10:30 AM	003-A	Restoring Native Mussels in Streams and Lakes	\$735,981	MN DNR	Davis, Mike
10:50 AM	008-A	Phase-II: Enhancing Understanding of the Minnesota River Ecosystem	\$598,241	MN DNR	Sindt, Tony
11:10 AM	005-A	Mercury and PFAS Risk to Minnesota Raptors	\$282,093	Hawk Ridge Bird Observatory	Etterson, Matthew
11:30 AM	015-A	Minnesotas Imperiled Bats - Protecting the Survivors	\$208,331	MN DNR	Nordquist, Gerda
11:50 AM	018-A	Next Step in Helping Minnesota's Moose: Understand Brainworm Transmission to Find Solutions	\$434,186	U of MN	Wolf, Tiffany
12:10 PM	007-A	Wild Bee Surveys in Minnesotas Forest Habitats	\$636,044	MN DNR	Nordquist, Gerda
12:30 PM	Break to get lunch				
12:50 PM	006-A	Optimizing Minnesotas Forest Products and Ecosystem Services	\$789,649	U of MN - Duluth	Johnson, Lucinda
1:10 PM	032-AH	Artificial Den Boxes for Fishers	\$190,000	U of MN -Duluth	Moen, Ron
1:30 PM	021-A	Grasslands, Grazing, and Greater Prairie-chickens: Testing Trade-offs	\$392,065	MN DNR	Roy, Charlotte
1:50 PM	030-AH	City Bats and Country Bats - Whats the difference?	\$200,000	U of MN	Moen, Ron
2:10 PM	012-A	Conserving Lake Trout in Minnesota	\$782,549	U of MN - Duluth	Reavie, Euan
2:30 PM	161-D	Elimination of Target Invasive Plant Species Transition Phase	\$772,871	Minnesota Department of Agriculture	Chandler, Monika

Time	ID #	Project Title	\$ Request	Organization	Project Manager
2:50 PM	014-A	Minnesota Trumpeter Swan Migration Ecology and Conservation	\$414,372	U of MN	Andersen, David
3:10 PM	028-AH	Minnesota Restoration Mapping and Pollinator Protection	\$199,898	Minnesota Board of Water and Soil Resources	Shaw, Dan
3:30 PM	120-C	GreenStep Schools: Statewide Program, 20 School District Pilot	\$992,959	U of MN	Mercer-Taylor, Beth
3:50 PM	031-AH	Walleye Habitat Status to Guide and Prioritize Management	\$198,784	MN DNR	Hansen, Gretchen
4:10 PM	029-AH	Protecting Minnesota's Cold-Water Fish into the Future	\$168,760	USGS	Smith, Erik
4:30 PM	N/A	Other LCCMR business - as needed	N/A	N/A	N/A

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Becca Nash, Director

**MINUTES**

**Wednesday, June 20, 2018**

**8:30 a.m. – 5:00 p.m.**

**State Office Building, Room 200**

**St. Paul, MN 55155**

**Members Present:** Sen. Gary Dahms, Sen. Kari Dziedzic, William Faber, Nancy Gibson, Rep. Josh Heintzeman, Rep. Joe Hoppe, Sen. Bill Ingebrigtsen, Nicole Kessler, Denny McNamara, Norman Moody, Michael Reese, Sen. David Tomassoni, Rep. Jean Wagenius, Sen. Torrey Westrom, Della Young

**Staff Present:** B. Nash, M. McDonough, M. Varien, D. Griffith

**Members Excused:** Rep. Rob Ecklund

**Members Absent:** Rep. Jim Newberger

**Chair: Co-Chair Nancy Gibson**

Co-Chair Gibson convened the meeting at 8:30 a.m.

**1. Members report potential conflicts of interest regarding today's business**

Members reported no conflicts of interest for today's meeting.

**2. Environment and Natural Resources Trust Fund 2019 Proposal Presentations (FY20) – see attached schedule (subject to change)**

See Attachment #1 for Presentation Schedule for June 20, 2018.

**3. Lunch**

Members recessed at 12:30 p.m. and reconvened at 12:50 p.m.

**4. Continue Environment and Natural Resources Trust Fund 2019 Proposal Presentations (FY20) – see attached schedule (subject to change)**

See Attachment #1 for Presentation Schedule for June 20, 2018.

**5. Other LCCMR business (as needed)**

- **Citizen Member Chair(s) Election - [LCCMR Operating Procedures](#)**

MOTION: Commissioner Moody moved to approve Commissioner Gibson as Citizen Chair and Commissioner Faber as Citizen Vice Chair – motion prevailed.

- **Discussion on Category H Proposals seeking \$200,000 or less in funding**

Commissioner Westrom started discussion on reviewing category H proposals seeking \$200,000 or less in funding. Members agreed to the following:

- have staff track extra workload required;

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- the proposal process will stay the same this year and members individual scores will not be posted;
- for the next Request for Proposal, the evaluation criteria will be reviewed with smaller projects in mind;
- next year, the Commission might want to consider Category H Proposals seeking \$200,000 or less to be evaluated and heard in its own category;
- for the next Request for Proposal, members will discuss matching funds; and
- Commissioner Westrom asked staff to compare the number/percentage of small projects (under \$200,000) received compared to previous years in time for next Wednesday, June 27, 2018.

- **Next steps in the process**

Director Nash announced that the site visit will need to be canceled this year and there will need to be an Executive Committee meeting before the meeting on July 17, and there will be a presentation from MPCA on July 17 or 18.

Staff will send a poll to members regarding selecting another LCCMR meeting date and consolidating other meetings dates.

### 6. **Adjourn**

Meeting adjourned at 4:45 p.m.

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# DAY 2

Wednesday, June 20

**LCCMR Presentation Schedule - 2019 Proposals**  
**Wednesday June 20, 2018 - Co-chair: Nancy Gibson**  
**Room 200, State Office Building, St. Paul, MN**  
**8:30 AM - 5:00 PM**

Time	ID #	Project Title	\$ Request	Organization	Project Manager
8:30 AM	035-AH	Implementing Conservation Plans for Avian Species of Concern	\$124,500	Audubon Minnesota	Hall, Kristin
8:50 AM	038-AH	Aquatic Habitats for Moose and Enhanced Lake Foodwebs	\$199,600	U of MN	Bump, Joseph
9:10 AM	016-A	Spruce Grouse: Sentinels for Boreal Forest Connectivity	\$361,630	U of MN The Raptor Center	Ponder, Julia
9:30 AM	048-B	Neonicotinoid Insecticides: Occurrence And Influence on Algal Blooms	\$356,000	U of MN	Arnold, William
9:50 AM	050-B	Wastewater Nutrient Reduction through Industrial Source Reduction Assistance	\$278,000	U of MN	Babcock, Laura
10:10 AM	052-B	Outstate Wastewater: Improving Nitrogen Removal in Treatment Ponds	\$402,033	U of MN	Novak, Paige
10:30 AM	049-B	Benign Design: Environmental Studies Leading to Sustainable Pharmaceuticals	\$415,300	U of MN	Arnold, William
10:50 AM	053-B	Stimulating Bacteria to Degrade Chlorinated Industrial Contaminants	\$252,884	U of MN Civil	Novak, Paige
11:10 AM	063-B	Removing Phosphorous from Drain Tile Water Discharge- Phase II	\$398,000	U of MN	Valentas, Kenneth
11:30 AM	097-B	Reducing Nitrate Harm in the Red River Basin	\$225,749	Red River Basin Commission	Goehring, Julie
11:50 AM	076-B	Farm-Ready Cover Crops for Protecting Water Quality	\$741,184	Central Lakes College	Olander, Keith
12:10 PM	046-AH	Improving Statewide GIS Data by Restoring the PLS	\$135,250	Minnesota Association of County Surveyors Grant County	Veraguth, Patrick
12:30 PM	Break to get lunch				
12:50 PM	186-E	White Earth Nation Community Solar for Community Action	\$572,702	Rural Renewable Energy Alliance	ODay, Vicki
1:10 PM	072-B	Accelerating Perennial Crop Production to Prevent Nitrate Leaching	\$448,905	Stearns County Soil and Water Conservation District	Fuchs, Dennis
1:30 PM	051-B	Quantifying Microplastics in Minnesotas Inland Aquatic Ecosystems	\$277,419	U of MN - Duluth	Schreiner, Kathryn
1:50 PM	055-B	Protecting Minnesota Waters by Removing Contaminants from Wastewater	\$345,877	U of MN	Simcik, Matt
2:10 PM	062-B	Phytoremediation for Extracting Deicing Salt from Roadside Soils	\$360,231	U of MN	Hu, Bo
2:30 PM	067-B	Eliminating Nitrate in Drain Tile Runoff	\$398,623	U of MN	Gulliver, John

Time	ID #	Project Title	\$ Request	Organization	Project Manager
2:50 PM	057-B	Harnessing Minnesota's Biological Resources for Cleaner Waters	\$388,000	U of MN	Michael Freeman, Elias, Mikael
3:10 PM	061-B	Membranes for Removing Toxic Metals from Mining Wastewater	\$449,203	U of MN	Hillmyer, Marc
3:30 PM	066-B	Improving Wetland and Groundwater Management Through Hydrologic Monitoring	\$573,661	MN DNR	Norris, Doug
3:50 PM	054-B	Improving Drinking Water for Minnesotans through Pollution Prevention	\$345,778	U of MN	Hozalski, Raymond
4:10 PM	058-B	Reducing Municipal Wastewater Mercury Pollution to Lake Superior	\$297,000	Minnesota Pollution Control Agency	Kyser, Scott
4:30 PM	064-B	Transformation of Plastic Waste into a Valued Resource	\$308,000	U of MN	Barney, Brett
4:50 PM	N/A	Other LCCMR business - as needed	N/A	N/A	N/A

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Becca Nash, Director

**MINUTES**

**Thursday, June 21, 2018**

**8:30 a.m. – 5:00 p.m.**

**State Office Building, Room 200**

**St. Paul, MN 55155**

**Members Present:** Sen. Gary Dahms, Sen. Kari Dziedzic, William Faber, Nancy Gibson, Rep. Josh Heintzeman, Rep. Joe Hoppe, Sen. Bill Ingebrigtsen, Nicole Kessler, Denny McNamara, Norman Moody, Michael Reese, Sen. David Tomassoni, Rep. Jean Wagenius, Sen. Torrey Westrom, Della Young

**Staff Present:** B. Nash, M. McDonough, M. Varien, D. Griffith

**Members Excused:** Rep. Rob Ecklund

**Members Absent:** Rep. Jim Newberger

**Chair: Co-Chair Sen. Bill Ingebrigtsen**

Co-Chair Ingebrigtsen convened the meeting at 8:30 a.m.

**1. Members report potential conflicts of interest regarding today's business**

Commissioner Faber reported a conflict of interest for ENRTF ID: 173-DH "Oak Wilt Suppression at Northern Edge", Morrison Soil and Water Conservation District, Helen McLennan.

Commissioner Reese reported a conflict of interest for ENRTF ID: 182-E "Optimization of a Net-Zero Dairy System", U of MN West Central Research and Outreach Center, Bradley Heins.

**2. Environment and Natural Resources Trust Fund 2019 Proposal Presentations (FY20) – see attached schedule (subject to change)**

See Attachment #1 for Presentation Schedule for June 21, 2018.

**3. Lunch**

Members recessed at 12:20 p.m. and reconvened at 12:45 p.m.

**4. Continue Environment and Natural Resources Trust Fund 2019 Proposal Presentations (FY20) – see attached schedule (subject to change)**

See Attachment #1 for Presentation Schedule for June 21, 2018.

**5. Other LCCMR business (as needed)**

• **Next steps in the process**

Director Nash reminded members the agenda for June 27 will be revised to add M.L. 2018 work plans that still need to be approved and a revised calendar.

**LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES**

**6. Adjourn**

Meeting adjourned at 3:00 p.m.

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# DAY 3

Thursday, June 21

**LCCMR Presentation Schedule - 2019 Proposals**  
**Thursday June 21, 2018 - Co-chair: Sen. Ingebrigtsen**  
**Room 200, State Office Building, St. Paul, MN**  
**8:30 AM - 5:00 PM**

Time	ID #	Project Title	\$ Request	Organization	Project Manager
8:30 AM	100-BH	Repurposing Unprofitable Cropland: Water and Wildlife's Silver Bullet?	\$199,618	Science Museum of Minnesota, St. Croix Watershed Research Station	Ulrich, Jason
8:50 AM	082-B	Evaluating Long-Term Success of Wetland Hydrology Restoration	\$294,662	Board of Water and Soil Resources Wetlands Section	Smith, Tim
9:10 AM	085-B	The Future of Groundwater Supply	\$280,000	Science Museum of Minnesota St. Croix Watershed Research Station	Almendinger, James
9:30 AM	077-B	Setting Realistic Nitrate BMP Goals in Southeast Minnesota	\$444,000	U of MN	Nieber, John
9:50 AM	174-E	When the Dust Settles: Pristine Lakes are Changing	\$696,667	Science Museum of Minnesota St. Croix Watershed Research Station	Edlund, Mark
10:10 AM	025-A	Mapping Habitat Use and Disease of Urban Carnivores	\$657,159	U of MN	McCann, Nicholas
10:30 AM	106-BH	Citizen-Aided Carp Management: Overcoming Roadblocks to Lake Restoration	\$106,151	Carver Co. Water Mgmt. Organization (CCWMO) Public Services Division	Dickhart, Andrew
10:50 AM	116-BH	Spring Biological Nitrate Removal to Protect Drinking Water	\$175,000	City of Fairmont	Nemmers, Troy
11:10 AM	256-G	Britton Peak to Lutsen Mountains Mountain Bike Trail	\$350,000	Superior Cycling Association	Kennedy, Tim
11:30 AM	101-BH	Evaluating Locally-Sourced Sanding Materials for Road Salt Reduction	\$162,445	U of MN - Duluth	Chun, Chanlan
11:50 AM	254-G	Mesabi Trail Extensions	\$5,150,000	St. Louis and Lake Counties Regional Railroad Authority	Manzoline, Robert
12:10 PM	265-G	Bailey Lake Trail and Fishing Pier	\$681,000	City of Virginia	See-Benes, Britt
12:30 PM	Break to get lunch				
12:50 PM	173-DH	Oak Wilt Suppression at Northern Edge	\$100,000	Morrison Soil & Water Conservation District	McLennan, Helen
1:10 PM	249-G	Minnesota State Parks and State Trails In-Holdings	\$5,000,000	MN DNR	Christie, Jennifer
1:30 PM	124-C	Connecting Over 11,000 Students to the Boundary Waters	\$783,135	Friends of the Boundary Waters Wilderness	Knopf, Chris
1:50 PM	182-E	Optimization of a Net-Zero Dairy System	\$876,706	U of MN West Central Research and Outreach Center	Heins, Bradley
2:10 PM	123-C	Increasing Diversity in Environmental Careers: Fellowships, Internships, Mentorships	\$250,000	MN DNR	Legato, Denise

Time	ID #	Project Title	\$ Request	Organization	Project Manager
2:30 PM	169-DH	Suppressing Reed Canary Grass with Native Plants	19100000%	U of MN	Montgomery, Rebecca
2:50 PM	122-C	Camp Sunrise: Respect Self, Others and the Environment	\$237,000	YouthCARE MN	Jones, Isiah
3:10 PM	160-D	Building Knowledge and Capacity to Solve AIS Problems	\$5,000,000	U of MN	Phelps, Nicholas
3:30 PM	162-D	Invasive Carp Acoustic Deterrence Field Trial at Lock19	\$300,000	MN DNR	Frohauer, Nick
3:50 PM	119-C	Water Lab: Engaging Minnesotans in Water Quality Challenges	\$830,000	Science Museum of Minnesota	Hamilton, Patrick
4:10 PM	199-F	Eastern Larch Beetle is Decimating Minnesotas Tamarack Forests	\$382,000	U of MN	Aukema, Brian
4:30 PM	N/A	Other LCCMR business - as needed	N/A	N/A	N/A

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