



**LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES**

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Becca Nash, Director

**MINUTES**

**Tuesday, October 17, 2017**

**8:30 a.m. – 4:00 p.m.**

**State Office Building, Room 5**

**St. Paul, MN 55155**

**Members Present:** Jeff Broberg, Sen. Gary Dahms, Sen. Kari Dziedzic, William Faber, Rep. Josh Heintzeman, Sen. Bill Ingebrigtsen, Nicole Kessler, Gary Lamppa, Norman Moody, Rep. Jim Newberger, 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, Nancy Gibson, Rep. Joe Hoppe

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

Co-Chair Ingebrigtsen convened the meeting at 8:35 a.m.

1. Approve the minutes for October 3, 4, and 5, 2017

MOTION [0:00:49]: Commissioner Faber moved to approve the minutes for October 3, 4 and 5, 2017 – motion prevailed.

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

**MS 116P.09 Subd 6 Conflict of interest. A commission member, technical advisory committee member, a peer review panelist, or an employee of the commission may not participate in or vote on a decision of the commission, technical advisory committee, or peer review panel relating to an organization in which the member, panelist, or employee has either a direct or indirect personal financial interest. While serving on the commission, technical advisory committee, or peer review panel, or being an employee of the commission, a person shall avoid any potential conflict of interest.**

Becca Nash reminded members that previous conflict of interest statements given in previous meetings are attached. (See Attachment #1).

Commissioner Faber reported a conflict of interest for ENRTF ID: 057-B "Preventing Nitrate Contamination of Groundwater Using Perennial Grains", Minnesota Department of Agriculture, Margaret Wagner.

3. **Proposal Allocation Recommendations for the Environment and Natural Resources Trust Fund for FY19 (July 1, 2018)**

Co-Chair Ingebrigtsen asked staff to have the dollars rounded down to the nearest one-thousandths dollar. Members agreed.

Becca Nash provided an overview of the additional information received regarding the 2018 proposals. Staff handed out the following two items:

1. Color coded Sheet titled "2018 Environment and Natural Resources Trust Fund Proposals CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW". (See Attachment #2)

Jeff Broberg, Sen. Gary Dahms, Sen. Kari Dziedzic, Rep. Rob Ecklund, William Faber, Nancy Gibson, Rep. Josh Heintzeman, Rep. Joe Hoppe, Sen. Bill Ingebrigtsen, Nicole Kessler, Gary Lamppa, Norman Moody, Rep. Jim Newberger, Sen. David Tomassoni, Rep. Jean Wagenius, Sen. Torrey Westrom, Della Young

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2. Spreadsheet titled "2018 Allocations - Scoring Break Points". (See Attachment #3)

Becca Nash suggested taking a 15 minute recess to review the handouts before starting discussions.

Members recessed at 8:55 and reconvened at 9:15 a.m.

MOTION [0:20:09]: Commissioner Faber moved all proposals on the color coded spreadsheet titled "2018 Environment and Natural Resources Trust Fund Proposals CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW" that are ranked a 5.0 or above to be on the list for consideration at a zero dollar amount – motion prevailed.

Members agreed to start reviewing proposals starting with Category A in order to Category G.

MOTION [0:26:55]: Commissioner Moody moved Line 113, ENRTF ID: 217-H "Contracts Agreement Reimbursement", MN DNR, Katherine Sherman-Hoehn at \$135,000 – motion prevailed.

All motions will refer to the spreadsheet titled "2018 Environment and Natural Resources Trust Fund Proposals CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW".

### Members reviewed proposals in Category A. Foundational Natural Resource Data and Information and began allocating dollars

MOTION [0:28:09] : Commissioner Moody moved Line 005, ENRTF ID: 001-A "Minnesota Geological Survey Geologic Atlases for Water Resource Management Part-A", U of MN – MN Geological Survey, Dale Setterholm at \$2,500,000 – motion prevailed.

MOTION [0:30:57]: Commissioner Broberg moved Line 006, ENRTF ID: 002-A "County Geologic Atlas for Water Resource Sustainability Part-B", MN DNR, Paul Putzier at \$2,400,000.

Members discussed.

RENEWED MOTION - Commissioner Broberg renewed his motion to move Line 006, ENRTF ID: 002-A "County Geologic Atlas for Water Resource Sustainability Part-B", MN DNR, Paul Putzier at \$2,400,000.

AMENDMENT: Commissioner Dahms amended Commissioner Broberg's motion to move Line 006, ENRTF ID: 002-A "County Geologic Atlas for Water Resource Sustainability Part-B", MN DNR, Paul Putzier at \$1,000,000.

Members discussed funding at \$1,500,000 and Commissioner Dahms agreed to revise his amendment.

RENEWED AMENDMENT: Commissioner Dahms renewed his amendment revised to Commissioner Broberg's motion to move Line 006, ENRTF ID: 002-A "County Geologic Atlas for Water Resource Sustainability Part-B", MN DNR, Paul Putzier at \$1,500,000. Commissioner Broberg accepted.

RENEWED MOTION: Commissioner Broberg renewed his motion as amended to move Line 006, ENRTF ID: 002-A "County Geologic Atlas for Water Resource Sustainability Part-B", MN DNR, Paul Putzier at \$1,500,000 – motion prevailed.

MOTION [0:38:27]: Commissioner Faber moved Line 007, ENRTF ID: 014-A "An Early Warning System for Wildlife Health Threats: Using Wildlife Rehabilitation Data to Monitor Wildlife Health", U of MN, Kimberly VanderWaal at \$280,000 – motion prevailed.

MOTION [0:39:00]: Commissioner Moody moved Line 008, ENRTF ID: 016-A "Conservation of Minnesota's Forest Birds of Management Concern", U of MN – Duluth NRRI, Alexis Grinde at \$500,000 – motion prevailed

MOTION [0:39:45]: Commissioner Moody moved Line 009, ENRTF ID: 006-A "Maximizing Wildlife, Water, and Productivity in Peatland Forests", U of MN, Marcella Windmuller-Campione at \$600,000 – motion prevailed.

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MOTION [0:41:05]: Commissioner Faber moved Line 010, ENRTF ID: 013-A "Assessing Ecosystem Services Provided by Lichens and Mosses", U of MN, Daniel Stanton at \$213,000 – motion prevailed.

MOTION [0:41:26]: Commissioner Kessler moved Line 011, ENRTF ID: 003-A "Providing Critical Water Quality Information for Lake Management", U of MN, Jeffrey Peterson at \$400,000.

AMENDMENT: Commissioner Wagenius amended Commissioner Kessler motion to move Line 011, ENRTF ID: 003-A "Providing Critical Water Quality Information for Lake Management", U of MN, Jeffrey Peterson at \$200,000 – amendment did not prevail. Members discussed.

RENEWED MOTION: Commissioner Kessler renewed her motion revised to move Line 011, ENRTF ID: 003-A "Providing Critical Water Quality Information for Lake Management", U of MN, Jeffrey Peterson at \$250,000 – motion prevailed.

MOTION [0:43:13]: Commissioner Faber moved Line 012, ENRTF ID: 011-A "Conserving Minnesota's Turtles through Research and Education", Minnesota Zoological Garden, Seth Stapleton at \$300,000 – motion prevailed.

MOTION [0:44:40]: Commissioner Young moved Line 013, ENRTF ID: 030-A "Data Acquisition to Develop Native Mussel Habitat Suitability", National Park Service, Nancy Duncan at \$250,000.

AMENDMENT: Commissioner Dahms amended Commissioner Young's motion to move Line 013, ENRTF ID: 030-A "Data Acquisition to Develop Native Mussel Habitat Suitability", National Park Service, Nancy Duncan at \$200,000. Commissioner Young accepted.

RENEWED MOTION: Commissioner Young renewed her motion as amended to move Line 013, ENRTF ID: 030-A "Data Acquisition to Develop Native Mussel Habitat Suitability", National Park Service, Nancy Duncan at \$200,000 – motion prevailed.

MOTION [0:45:25]: Commissioner Broberg moved Line 14, ENRTF ID: 004-A "Minnesota Biodiversity Atlas: Phase II Expansion", U of MN, George Weiblen at \$350,000 – motion prevailed.

MOTION [0:45:56]: Commissioner Broberg moved Line 15, ENRTF ID: 022-A "Variable Winter Thermal Regimes and Managing Trout Streams", U of MN, Leonard Ferrington at \$450,000.

AMENDMENT: Commissioner Westrom amended Commissioner Broberg's motion to move Line 15, ENRTF ID: 022-A "Variable Winter Thermal Regimes and Managing Trout Streams", U of MN, Leonard Ferrington at \$400,000. Commissioner Broberg accepted.

RENEWED MOTION: Commissioner Broberg's renewed his motion as amended to move Line 15, ENRTF ID: 022-A "Variable Winter Thermal Regimes and Managing Trout Streams", U of MN, Leonard Ferrington at \$400,000 - motion prevailed.

### Members reviewed proposals in Category B. Water Resources and began allocating dollars

MOTION [0:47:33]: Commissioner Dahms moved Line 026, ENRTF ID: 035-B "Wastewater Treatment Plant Optimization Pilot Program", Minnesota Pollution Control Agency, Joel Peck at \$700,000 – motion prevailed.

MOTION [0:49:56]: Commissioner Faber moved Line 027, ENRTF ID: 041-B "Contaminant Removal Efficiency of Urban Stormwater Treatment Ponds", St. Cloud State University, Heiko Schoenfuss at \$377,000.

Commissioner Westrom suggested funding at \$300,000. Member discussed and agreed to fund at \$325,000. Commissioner Faber accepted.

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- RENEWED MOTION: Commissioner Faber renewed his motion revised to move Line 027, ENRTF ID: 041-B "Contaminant Removal Efficiency of Urban Stormwater Treatment Ponds", St. Cloud State University, Heiko Schoenfuss at \$325,000 – motion prevailed.
- MOTION [0:51:03]: Commissioner Broberg moved Line 028, ENRTF ID: 054-B "Emerging Pathogens in Lakes, Rivers, and Tap Water", U of MN, Timothy LaPara at \$325,000 – motion prevailed.
- MOTION [0:51:40]: Commissioner Moody moved Line 029, ENRTF ID: 037-B "Investigation of Road Salt Alternatives and Pavement Innovations", U of MN, John Gulliver at \$400,000 – motion prevailed.
- MOTION [0:52:11]: Commissioner Westrom moved Line 030, ENRTF ID: 048-B "Small Cheap Purification System for Cleaner Drinking Water", U of MN, Tianhong Cui at \$425,000 – motion prevailed.
- MOTION [0:52:31]: Commissioner Wageinus moved Line 031, ENRTF ID: 039-B "Defining Minnesota's Environmental Antibiotic and Antibiotic Resistance Footprint", U of MN, Randall Singer at \$750,000 – motion prevailed.
- MOTION [0:53:06]: Commissioner Broberg moved Line 032, ENRTF ID: 094-B "ShellRock River Watershed Stormwater Quality Trading Pilot Program", Shell Rock River Watershed District, Courtney Christensen at \$300,000 – motion prevailed.
- MOTION [0:53:58]: Commissioner Kessler moved Line 033, ENRTF ID: 034-B "Removing Plastic Particle Pollution from Minnesota Water Bodies" U of MN, Filippo Coletti at \$300,000 – motion prevailed.
- MOTION [0:54:42]: Commissioner Dzedzic moved Line 034, ENRTF ID: 064-B "Unregulated Contaminants: Addressing Gaps in Drinking Water Protection", Minnesota Department of Health, Stephen Robertson at \$1,500,000.
- AMENDMENT: Commissioner Westrom amended Commissioner Dzedzic motion to move Line 034, ENRTF ID: 064-B "Unregulated Contaminants: Addressing Gaps in Drinking Water Protection", Minnesota Department of Health, Stephen Robertson at \$1,000,000 – amendment prevailed.
- RENEWED MOTION: Commissioner Dzedzic renewed her motion as amended to move Line 034, ENRTF ID: 064-B "Unregulated Contaminants: Addressing Gaps in Drinking Water Protection", Minnesota Department of Health, Stephen Robertson at \$1,000,000 – motion prevailed.

### Members reviewed proposals in Category C. Water Resources and began allocating dollars

- MOTION [0:58:18]: Commissioner Dzedzic moved Line 045, ENRTF ID: 112-C "Get Outdoors After School!", Project Get Outdoors, Sara Holger at \$30,000 – motion prevailed.
- MOTION [0:58:46]: Commissioner Moody moved Line 45, ENRTF ID: 106-C "YES! Students Take on Minnesota Water Quality Challenge", Prairie Woods Environmental Learning Center, Shelli-Kae Foster at \$213,000 – motion prevailed.
- MOTION [0:59:10]: Commissioner Dahms moved Line 047, ENRTF ID: 109-C "Phase 2 Prairie Sportsman Statewide Environmental Education Project", Pioneer Public Television, Timothy Bakken at \$300,000 – motion prevailed.
- MOTION [0:59:44]: Commissioner Moody moved Line 048, ENRTF ID: 099-C "Increasing Diversity in Environmental Careers: Fellowships, Internships, Mentorships", MN DNR, Denise Legato at \$1,000,000.
- Commissioner Westrom suggested funding at \$500,000. Members discussed and agreed to fund at \$750,000.

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- AMENDMENT: Commissioner Westrom amended Commissioner Moody's motion to move Line 048, ENRTF ID: 099-C "Increasing Diversity in Environmental Careers: Fellowships, Internships, Mentorships", MN DNR, Denise Legato at \$750,000 – amendment prevailed.
- RENEWED MOTION: Commissioner Moody renewed his motion as amended to move Line 048, ENRTF ID: 099-C "Increasing Diversity in Environmental Careers: Fellowships, Internships, Mentorships", MN DNR, Denise Legato at \$750,000 – motion prevailed.
- MOTION [1:01:04]: Commissioner Dziejcz moved Line 049, ENRTF ID: 120-C "Expanding Nature Knowledge and Experience in North Minneapolis", Minneapolis Parks and Recreation Board, MaryLynn Pulscher at \$500,000 and matching funds are not a requirement of an appropriation but are encouraged – motion prevailed.
- MOTION [1:02:00]: Commissioner Dahms moved Line 050, ENRTF ID: 102-C "Pollinator Ambassadors for Urban Gardens", U of MN, Elaine Eavie at \$250,000 – motion prevailed.
- MOTION [1:02:39]: Commissioner Faber moved Line 51, ENRTF ID: 121-C "River Watch on the Minnesota River", Friends of the Minnesota Valley, Ted Suss at \$100,000 – motion prevailed.
- MOTION [1:03:44]: Commissioner Dahms moved Line 52, ENRTF ID: 108-C "Preserve Resources by Expanding the State's Reuse Sectors", ReUSE Minnesota, Steve Thomas at \$250,000.
- AMENDMENT: Co-Chair Ingebrigtsen amended Commissioner Dahms motion to move Line 52, ENRTF ID: 108-C "Preserve Resources by Expanding the State's Reuse Sectors", ReUSE Minnesota, Steve Thomas at \$275,000. Commissioner Dahms accepted.
- RENEWED MOTION: Commissioner Dahms renewed his motion as amended to move Line 52, ENRTF ID: 108-C "Preserve Resources by Expanding the State's Reuse Sectors", ReUSE Minnesota, Steve Thomas at \$275,000 – motion prevailed.
- MOTION [1:04:35]: Commissioner Newberger moved Line 053, ENRTF ID: 127-C "Preparing Minnesotans for Changes in Wolf Management", International Wolf Center, David Kline at \$750,000 – motion prevailed.
- MOTION [1:05:30]: Commissioner Broberg moved Line 054, ENRTF ID: 101-C "Connecting Students with Watersheds through Hands-on Learning", Minnesota Trout Unlimited, John Lenczewski at \$400,000 – motion prevailed.
- MOTION [1:06:12]: Commissioner Westrom moved Line 055, ENRTF ID: 118-C "Morris Prairie Pollinator Demonstration and Education", U of MN, Steven Poppe at \$600,000.
- AMENDMENT: Commissioner Faber amended Commissioner Westrom's motion to move Line 055, ENRTF ID: 118-C "Morris Prairie Pollinator Demonstration and Education", U of MN, Steven Poppe at \$500,000.
- AMENDED AMENDMENT: Co-Chair Ingebrigtsen amended Commissioner Faber amendment to Commissioner Westrom motion to move Line 055, ENRTF ID: 118-C "Morris Prairie Pollinator Demonstration and Education", U of MN, Steven Poppe at \$550,000. Commissioner Westrom accepted.
- RENEWED AMENDMENT: Commissioner Faber renewed his amendment as amended to Commissioner Westrom's motion to move Line 055, ENRTF ID: 118-C "Morris Prairie Pollinator Demonstration and Education", U of MN, Steven Poppe at \$500,000. Commissioner Westrom accepted.
- RENEWED MOTION: Commissioner Westrom renewed his motion as amended to move Line 055, ENRTF ID: 118-C "Morris Prairie Pollinator Demonstration and Education", U of MN, Steven Poppe at \$550,000 – motion prevailed.

Members reviewed proposals in Category D. Aquatic and Terrestrial Invasive Species and began allocating dollars

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- MOTION [1:08:04]: Commissioner Faber moved Line 063, ENRTF ID: 152-D “Evaluate Control Methods for Invasive Hybrid Cattails”, Voyageurs National Park, Steve Windels at \$131,000.
- AMENDMENT: Commissioner Westrom amended Commissioner Faber motion to move Line 063, ENRTF ID: 152-D “Evaluate Control Methods for Invasive Hybrid Cattails”, Voyageurs National Park, Steve Windels at \$100,000 – amendment did not prevail.
- RENEWED MOTION: Commissioner Faber renewed his motion to move Line 063, ENRTF ID: 152-D “Evaluate Control Methods for Invasive Hybrid Cattails”, Voyageurs National Park, Steve Windels at \$131,000 – motion prevailed.
- MOTION [1:14:15]: Commissioner Moody moved Line 064, ENRTF ID: 133-D “Developing RNA Interference Genetic Controls for Zebra Mussels”, U.S. Geological Survey, Christopher Merkes at \$700,000.
- AMENDMENT: Commissioner Westrom amended Commissioner Moody’s motion to move Line 064, ENRTF ID: 133-D “Developing RNA Interference Genetic Controls for Zebra Mussels”, U.S. Geological Survey, Christopher Merkes at \$500,000. Commissioner Moody accepted.
- RENEWED MOTION: Commissioner Moody’s renewed his motion as amended to move Line 064, ENRTF ID: 133-D “Developing RNA Interference Genetic Controls for Zebra Mussels”, U.S. Geological Survey, Christopher Merkes at \$500,000 – motion prevailed.
- MOTION [1:16:02]: Commissioner Dahms moved Line 065, ENRTF ID: 141-D “Palmer Amaranth Detection and Eradication Continuation”, Minnesota Department of Agriculture, Monika Chandler at \$431,000 - motion prevailed.
- MOTION [1:16:31]: Commissioner Wagenius moved Line 066, ENRTF ID: 132-D “Minnesota Invasive Terrestrial Plants and Pests Center 4”, U of MN, Robert Venette at \$6,000,000.
- AMENDMENT: Commissioner Dahms amended Commissioner Wagenius’ motion to move Line 066, ENRTF ID: 132-D “Minnesota Invasive Terrestrial Plants and Pests Center 4”, U of MN, Robert Venette at \$2,000,000. Members discussed and agreed funding at \$3,500,000.
- RENEWED AMENDMENT: Commissioner Dahms renewed his amendment revised to Commissioner Wagenius’ motion to move Line 066, ENRTF ID: 132-D “Minnesota Invasive Terrestrial Plants and Pests Center 4”, U of MN, Robert Venette at \$3,500,000. Commissioner Wagenius accepted with the condition they are asked to come back next year. Commissioner Wagenius accepted.
- RENEWED MOTION: Commissioner Wagenius renewed her motion to move Line 066, ENRTF ID: 132-D “Minnesota Invasive Terrestrial Plants and Pests Center 4”, U of MN, Robert Venette at \$3,500,000 with the condition they are asked to come back next year – motion prevailed.
- MOTION [1:24:21]: Commissioner Broberg moved Line 067, ENRTF ID: 139-D “Determining Minnesota’s Risk of a Toxic Algal Invader”, Science Museum of Minnesota – St. Croix Research Station, Adam Heathcote at \$200,000 – motion prevailed.
- MOTION [1:25:07]: Co-Chair Ingebrigtsen moved Line 068, ENRTF ID: 134-D “An Effective and Practical Invasive Carp Deterrent”, U of MN, Peter Sorensen at \$998,000.
- AMENDMENT: Commissioner Westrom amended Co-Chair Ingebrigtsen motion to move Line 068, ENRTF ID: 134-D “An Effective and Practical Invasive Carp Deterrent”, U of MN, Peter Sorensen at \$900,000 – withdrawn.
- RENEWED MOTION: Co-Chair Ingebrigtsen renewed his motion to move Line 068, ENRTF ID: 134-D “An Effective and Practical Invasive Carp Deterrent”, U of MN, Peter Sorensen at \$998,000 and explore option to purchase equipment instead of leasing – motion prevailed.

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Members reviewed proposals in Category E. Air Quality, Climate Change and Renewable Energy and began allocating dollars

MOTION [1:29:42]: Commissioner Dahms moved Line 073, ENRTF ID: 157-E "Agricultural Weed Control Using Robots", U of MN – Morris, Michael Reese at \$500,000.

AMENDMENT: Commissioner Westrom amended Commissioner Dahms motion to move Line 073, ENRTF ID: 157-E "Agricultural Weed Control Using Robots", U of MN – Morris, Michael Reese at \$550,000. Commissioner Dahms accepted.

RENEWED MOTION: Commissioner Dahms renewed his motion as amended to move Line 073, ENRTF ID: 157-E "Agricultural Weed Control Using Robots", U of MN – Morris, Michael Reese at \$550,000 – motion prevailed.

MOTION [1:31:02]: Commissioner Kessler moved Line 074, ENRTF ID: 160-E "Cheap Solar Energy from Simple Roll-to-Roll Manufacturing", U of MN, Tianhong Cui at \$300,000 – motion prevailed.

MOTION [1:31:58]: Commissioner Westrom moved Line 075, ENRTF ID: 158-E "Clean Electricity from Solar Windows", U of MN, Uwe Kortshagen at \$350,000 – motion prevailed.

MOTION [1:32:39]: Commissioner Westrom moved Line 076, ENRTF ID: 164-E "Phase II- Reduce Solid Waste and Greenhouse Gas Emissions", The NetWork for Better Futures (D/B/A) Better Futures Minnesota, Nick Swaggert at \$500,000 – withdrawn.

MOTION [1:33:37]: Commissioner Westrom moved Line 076, ENRTF ID: 164-E "Phase II- Reduce Solid Waste and Greenhouse Gas Emissions", The NetWork for Better Futures (D/B/A) Better Futures Minnesota, Nick Swaggert at \$600,000 – motion prevailed.

MOTION [1:34:17]: Commissioner Broberg moved Line 077, ENRTF ID: 159-E "Community-Scale Energy Storage Guide for Renewable Energy", U of MN, Ellen Anderson at \$550,000 – motion prevailed.

Members reviewed proposals in Category F. Methods to Protect, Restore, and Enhance Land, Water, and Habitat and began allocating dollars

MOTION [1:35:18]: Commissioner Dahms moved Line 082, ENRTF ID: 195-F "Replacing Plastic Cover in Vegetable Production with BioMulch", U of MN, Paulo Pagliari at \$310,000 – motion prevailed.

MOTION [1:35:52]: Commissioner Faber moved Line 083, ENRTF ID: 182-F "Restoring Minnesota's Forests in State Parks", MN DNR, Edward Quinn at \$250,000 – motion prevailed.

MOTION [1:36:20]: Commissioner Wagenius moved Line 084, ENRTF ID: 179-F "Preserving and Restoring Minnesota's Native Orchids – Phase 2", U of MN, David Remucal at \$259,000 and contingent on funding activity one – expand collection/preservation efforts to at least 30 species – motion prevailed.

MOTION [1:37:51]: Commissioner Faber moved Line 085, ENRTF ID: 186-F "Restoring Wetland Invertebrates to Revive Wildlife Habitat", MN DNR, Danelle Larson at \$400,000 – motion prevailed.

Members discussed Line 086, ENRTF ID: 187-F "Implementing Novel Market-based Methods for Urban Habitat Restoration", Great River Greening, Steven Hockett.

MOTION [1:38:57]: Commissioner Moody moved Line 87, ENRTF ID: 178-F "Nongame Wildlife Program Acceleration", MN DNR, Carrol Henderson at \$1,000,000 – motion prevailed.

Members reviewed proposals in Category G. "Land Acquisition for Habitat and Recreation" and began allocating dollars

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- MOTION [1:40:09]: Commissioner Nicole moved Line 099, ENRTF ID: 207-G "Harmony State Trail Extension Land Acquisition", City of Harmony, Jerome Illg at \$235,000 – motion prevailed.
- MOTION [1:40:34]: Commissioner Lamppa moved Line 100, ENRTF ID: 205-G "Mesabi Trail, County Road 88 to Ely Segment", St. Louis & Lake Counties Regional Railroad Authority, Bob Manzoline at \$600,000 – motion prevailed.
- MOTION [1:42:17]: Commissioner Faber moved Line 101, ENRTF ID: 202-G "Minnesota State Trails - Development and Enhancement", MN DNR, Kent Skaar at \$2,000,000.
- AMENDMENT: Commissioner Tommassoni amended Commissioner Faber moved Line 101, ENRTF ID: 202-G "Minnesota State Trails - Development and Enhancement", MN DNR, Kent Skaar at \$2,500,000. Commissioner Faber accepted.
- RENEWED MOTION: Commissioner Faber renewed his motion as amended to move Line 101, ENRTF ID: 202-G "Minnesota State Trails - Development and Enhancement", MN DNR, Kent Skaar at \$2,500,000 – motion prevailed.
- MOTION [1:43:20]: Commissioner Moody moved Line 102, ENRTF ID: 201-G "Local Parks, Trails and Natural Area Grants", MN DNR, Audrey Mularie at \$2,000,000 and focus on natural resource based recreation and not for athletic facilities such as sports fields, courts, and playgrounds – motion prevailed.
- MOTION [1:45:02]: Commissioner Heintzeman moved Line 103, ENRTF ID: 213-G "A Local-State-Federal Partnership Protects multiple public benefits on the Mississippi River", City of Baxter, Josh Doty at \$700,000 – motion prevailed.
- MOTION [1:45:29]: Commissioner Broberg moved Line 104, ENRTF ID: 209-G "Superior Hiking Trail Enhancement Plan", Superior Hiking Trail Association, Denny Caneff at \$100,000 – motion prevailed.
- MOTION [1:46:09]: Commissioner Westrom moved Line 105, ENRTF ID: 208-G "Mississippi Blufflands State Trail - Red Wing Riverfront", City of Red Wing, Jay Owens at \$550,000 – motion prevailed.
- MOTION [1:47:03]: Commissioner Moody moved Line 106, ENRTF ID: 199-G "SNA Habitat Restoration, Public Engagement, and Strategic Acquisition", MN DNR, Ann Pierce at \$3,250,000.
- Members discussed.
- AMENDMENT: Commissioner Westrom amended Commissioner Moody's motion to move Line 106, ENRTF ID: 199-G "SNA Habitat Restoration, Public Engagement, and Strategic Acquisition", MN DNR, Ann Pierce at \$1,500,000 - amendment withdrawn.
- Members continued discussions.
- AMENDMENT: Commissioner Westrom amended Commissioner Moody's motion to move Line 106, ENRTF ID: 199-G "SNA Habitat Restoration, Public Engagement, and Strategic Acquisition", MN DNR, Ann Pierce at \$2,000,000 for Activity 1 and Activity 2 - amendment withdrawn.
- Members continued discussions on rider language.
- RENEWED MOTION: Commissioner Moody renewed his motion revised to move Line 106, ENRTF ID: 199-G "SNA Habitat Restoration, Public Engagement, and Strategic Acquisition", MN DNR, Ann Pierce at \$3,250,000 and fund Activity One Native Habitat Restoration, Enhancements and Improvements at \$1,500,000, Activity Two Public Engagement, Outreach & Citizen Science in Natural Areas at \$500,000 and Activity Three Strategic Acquisition of Sites with Biodiversity Significance at \$1,250,000 and fee title acquisition of SNA's is to be in southern Minnesota from willing sellers and an equal number of acres of state land are sold elsewhere in the state – motion prevailed.



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MOTION [2:19:26]: Commissioner Dahms moved Line 107, ENRTF ID: 203-G "Private Native Prairie Conservation through Native Prairie Bank", MN DNR, Judy Schulte at \$2,000,000 – motion prevailed.

MOTION [2:20:50]: Commissioner Dziejcz moved Line 108, ENRTF ID: 200-G "Minnesota State Parks and State Trails Land Acquisition", MN DNR, Jennifer Christie at \$2,250,000.

AMENDMENT: Commissioner Kessler amended Commissioner Dziejcz motion to move Line 108, ENRTF ID: 200-G "Minnesota State Parks and State Trails Land Acquisition", MN DNR, Jennifer Christie at \$2,500,000. Commissioner Dziejcz accepted.

RENEWED MOTION: Commissioner Dziejcz renewed her motion as amended to move Line 108, ENRTF ID: 200-G "Minnesota State Parks and State Trails Land Acquisition", MN DNR, Jennifer Christie at \$2,500,000 – motion prevailed.

MOTION [2:27:11]: Commissioner Faber moved Line 109, ENRTF ID: 215-G "Prioritize and Target North-Central Minnesota Lakes for Protection", Crow Wing SWCD, Melissa Barrick at \$1,492,000.

AMENDMENT: Commissioner Westrom amended Commissioner Faber's motion to move Line 109, ENRTF ID: 215-G "Prioritize and Target North-Central Minnesota Lakes for Protection", Crow Wing SWCD, Melissa Barrick at \$750,000. Commissioner Faber accepted.

RENEWED MOTION: Commissioner Faber renewed his motion as amended to move Line 109, ENRTF ID: 215-G "Prioritize and Target North-Central Minnesota Lakes for Protection", Crow Wing SWCD, Melissa Barrick at \$750,000 – motion prevailed.

MOTION [2:30:00]: Commissioner Moody moved Line 110, ENRTF ID: 212-G "Swedish Immigrant Trail Segment within Interstate State Park", Chisago County Environmental Services, Laird Mork at \$2,254,000.

Commissioner Young recommended adding they must provide the "Natural and Cultural Resource Review" report to the LCCMR for review before proceeding with final engineering plans and trail development. Members agreed.

RENEWED MOTION: Commissioner Moody renewed his motion to move Line 110, ENRTF ID: 212-G "Swedish Immigrant Trail Segment within Interstate State Park", Chisago County Environmental Services, Laird Mork at \$2,254,000 and must provide the "Natural and Cultural Resource Review" report to the LCCMR for review before proceeding with final engineering plans and trail development – motion prevailed.

Members recessed at 11:40 a.m. and reconvened at 12:30 p.m.

#### **4. Continue Proposal Allocation Recommendations for the Environment and Natural Resources Trust Fund for FY19 (July 1, 2018)**

Commissioner Westrom suggested reviewing other proposals that were ranked below 5.0 on the spreadsheet titled "2018 Environment and Natural Resources Trust Fund Proposals CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW". Members continued discussions

Michael McDonough asked members which proposals they would like to have under consideration that were ranked below 5.0 on the spreadsheet titled "2018 Environment and Natural Resources Trust Fund Proposals CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW".

Members listed the following proposals from the spreadsheet titled "2018 Environment and Natural Resources Trust Fund Proposals CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW" that were ranked below 5.0:

1. Line 16, ENRTF ID: 018-A "Mapping Avian Movement in Minnesota", U of MN – Duluth NRRI, Gerald Niemi, \$682,000
2. Line 23, ENRTF ID: 028-A "Cover Crops for Wildlife Phase I", Pheasants Forever, Tanner Bruse, \$346,000

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3. Line 36, ENRTF ID: 045-B "Developing a Map of Arsenic Risk in Groundwater", U of MN, G-H Crystal Ng, \$550,000
4. Line 38, ENRTF ID: 055-B "Working Farmlands: Targeting Alfalfa Production for Water Protection", U of MN, Nicholas Jordan, \$752,000
5. Line 41, ENRTF ID: 057-B "Preventing Nitrate Contamination of Groundwater Using Perennial Grains", Minnesota Department of Agriculture, Margaret Wagner, \$759,000
6. Line 78, ENRTF ID: 169-E "Bringing Geothermal Power to MN: CO2 Power-System Test", TerraCOH Inc., Jimmy Randolph, \$315,000
7. Line 91, ENRTF ID: 180-F "Show Me the Money: 10 Markets for Perennials", Science Museum of Minnesota – St. Croix Research Station, Shawn Shottler, \$347,000
8. Line 90, ENRTF ID: 189-F "Increasing Timber Availability and Habitat with Soil Management", U of MN, Robert Slesak, \$396,000

Members suggested reconsideration of the following proposals already being recommended:

1. Line 5, ENRTF ID: 001-A "Minnesota Geological Survey Geologic Atlases for Water Resource Management Part-A", U of MN – MN Geological Survey, Dale Setterholm to be increased by \$500,000
2. Line 6, ENRTF ID: 002-A "County Geologic Atlas for Water Resource Sustainability Part-B", MN DNR, Paul Putzier to be increased by \$500,000
3. Line 34, ENRTF ID: 064-B "Unregulated Contaminants: Addressing Gaps in Drinking Water Protection", Minnesota Department of Health, Stephen Robertson to be increased by \$500,000
4. Line 53, ENRTF ID: 127-C "Preparing Minnesotans for Changes in Wolf Management", International Wolf Center, David Kline to be increased by \$250,000
5. Line 76, ENRTF ID: 164-E "Phase II- Reduce Solid Waste and Greenhouse Gas Emissions", The NetWork for Better Futures (D/B/A) Better Futures Minnesota, Nick Swaggert to be increased by \$200,000

MOTION [2:56:36]: Commissioner Wagenius moved Line 34, ENRTF ID: 064-B "Unregulated Contaminants: Addressing Gaps in Drinking Water Protection", Minnesota Department of Health, Stephen Robertson to be increased by \$500,000 - motion did not prevail.

Members returned to discussing proposals that received a rating below 5.0.

Commissioner Faber commented on Line 16, ENRTF ID: 018-A "Mapping Avian Movement in Minnesota", U of MN – Duluth NRRI, Gerald Niemi and recommended \$500,000.

Commissioner Lamppa and Commissioner Dahms commented on Line 23, ENRTF ID: 028-A "Cover Crops for Wildlife Phase I", Pheasants Forever, Tanner Bruse but gave no recommendation.

Commissioner Westrom commented on ENRTF ID: 057-B "Preventing Nitrate Contamination of Groundwater Using Perennial Grains", Minnesota Department of Agriculture, Margaret Wagner but gave no recommendation. Commissioner Faber recused himself from discussions.

Commissioner Dahms commented on Line 38, ENRTF ID: 055-B "Working Farmlands: Targeting Alfalfa Production for Water Protection", U of MN, Nicholas Jordan but gave no recommendation.

Commissioner Westrom commented on Line 78, ENRTF ID: 169-E "Bringing Geothermal Power to MN: CO2 Power-System Test", TerraCOH Inc., Jimmy Randolph but gave no recommendation.

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Commissioner Westrom commented on Line 91, ENRTF ID: 180-F "Show Me the Money: 10 Markets for Perennials", Science Museum of Minnesota – St. Croix Research Station, Shawn Shottler but gave no recommendation.

Commissioner Broberg commented on Line 36, ENRTF ID: 045-B "Developing a Map of Arsenic Risk in Groundwater", U of MN, G-H Crystal Ng but gave no recommendation.

Commissioner Moody commented on Line 90, ENRTF ID: 189-F "Increasing Timber Availability and Habitat with Soil Management", U of MN, Robert Slesak but gave no recommendation.

Members continued discussions on the proposals ranked below 5.0 on the spreadsheet titled "2018 Environment and Natural Resources Trust Fund Proposals CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW".

Co-Chair Ingebrigtsen asked for a show of hands by proposal to find a general consensus for continued discussions.

The following proposals were given a general consensus for continued discussions:

1. Commissioner Moody recommended \$200,000 for Line 16, ENRTF ID: 018-A "Mapping Avian Movement in Minnesota", U of MN – Duluth NRRI, Gerald Niemi. (7 members in favor)
2. Commissioner Dahms recommended \$500,000 for Line 38, ENRTF ID: 055-B "Working Farmlands: Targeting Alfalfa Production for Water Protection", U of MN, Nicholas Jordan. (7 members in favor)
3. Commissioner Westrom recommended \$250,000 for Line 41, ENRTF ID: 057-B "Preventing Nitrate Contamination of Groundwater Using Perennial Grains", Minnesota Department of Agriculture, Margaret Wagner. (7 members in favor) Commissioner abstained from discussions.
4. Commissioner Moody recommended \$150,000 for Line 91, ENRTF ID: 180-F "Show Me the Money: 10 Markets for Perennials", Science Museum of Minnesota – St. Croix Research Station, Shawn Shottler. (9 members in favor)
5. Commissioner Moody recommended \$200,000 for Line 90, ENRTF ID: 189-F "Increasing Timber Availability and Habitat with Soil Management", U of MN, Robert Slesak. (8 members in favor)

Becca Nash restated the list of proposals with a general consensus. Members discussed.

MOTION [3:40:05]: Commissioner Broberg moved the following proposals on the spreadsheet titled "2018 Environment and Natural Resources Trust Fund Proposals CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW":

1. Line 16, ENRTF ID: 018-A "Mapping Avian Movement in Minnesota", U of MN – Duluth NRRI, Gerald Niemi at \$200,000
2. Line 38, ENRTF ID: 055-B "Working Farmlands: Targeting Alfalfa Production for Water Protection", U of MN, Nicholas Jordan at \$500,000
3. Line 41, ENRTF ID: 057-B "Preventing Nitrate Contamination of Groundwater Using Perennial Grains", Minnesota Department of Agriculture, Margaret Wagner at \$250,000
4. Line 91, ENRTF ID: 180-F "Show Me the Money: 10 Markets for Perennials", Science Museum of Minnesota – St. Croix Research Station, Shawn Shottler at \$150,000
5. Line 90, ENRTF ID: 189-F "Increasing Timber Availability and Habitat with Soil Management", U of MN, Robert Slesak at \$200,000

- motion prevailed. Commissioner Faber abstained from voting due to previous declared conflict of interest.

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Members discussed the proposals suggested for reconsideration already being recommended. Commissioner Tomassoni would like to see Line 76, ENRTF ID: 164-E "Phase II- Reduce Solid Waste and Greenhouse Gas Emissions", The NetWork for Better Futures (D/B/A) Better Futures Minnesota, Nick Swaggert to be increased by \$200,000 and Line 53, ENRTF ID: 127-C "Preparing Minnesotans for Changes in Wolf Management", International Wolf Center, David Kline to be increased by \$250,000.

Co-Chair Ingebrigtsen reminded members there is a remaining balance of \$889,000.

MOTION [3:43:04]: Commissioner Dahms moved Line 76, ENRTF ID: 164-E "Phase II- Reduce Solid Waste and Greenhouse Gas Emissions", The NetWork for Better Futures (D/B/A) Better Futures Minnesota, Nick Swaggert to be increased by \$200,000 for a total recommendation of \$800,000 – motion prevailed

MOTION [3:44:50]: Commission Tomassoni moved Line 53, ENRTF ID: 127-C "Preparing Minnesotans for Changes in Wolf Management", International Wolf Center, David Kline to be increased by \$250,000 for a total recommendation of \$1,000,000.

Member discussed.

RENEWED MOTION: Commission Tomassoni renewed his motion to move Line 53, ENRTF ID: 127-C "Preparing Minnesotans for Changes in Wolf Management", International Wolf Center, David Kline to be increased by \$250,000 for a total recommendation of \$1,000,000 – motion prevailed.

MOTION [3:47:12]: Commissioner Moody moved Line 005, ENRTF ID: 001-A "Minnesota Geological Survey Geologic Atlases for Water Resource Management Part-A", U of MN – MN Geological Survey, Dale Setterholm to be increased by \$200,000 for a total recommendation of \$2,700,000 – motion did not prevail.

MOTION [3:48:34]: Commissioner Broberg moved to approve the ML2018 LCCMR Recommendations Allocations Summary Spreadsheet for the Environment and Natural Resources Trust Fund (ENRTF) with a remaining balance of \$439,000 – motion prevailed (unanimous voice vote – 14 members present).

### 5. Other business (as needed)

- **Next steps in the process**

Members asked staff to email a copy of ML2018 LCCMR Recommendations Allocations Summary Spreadsheet for the Environment and Natural Resources Trust Fund (ENRTF) to members.

- **Next meeting:**

- **Next Meeting: October 18, 2017 (if needed)**

Members agreed to cancel the LCCMR Meeting and LCCMR Subcommittee Meeting on October 18, 2017 so the next LCCMR meeting will be November 30, 2017. Members suggested having an extended meeting or try to meet two days in a row to consolidate traveling time for members.

### 6. Adjourn

Meeting adjourned at 1:47 p.m.

