ENVIRONMENT

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

100 REV. DR. MARTIN LUTHER KING JR. BLVD. **ROOM 65 STATE OFFICE BUILDING** TRUST FUND ST. PAUL, MINNESOTA 55155-1201

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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.

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 Dziedzic 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 Dziedzic 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 Dziedzic 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 Dziedzic 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 Dziedzic 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 Huckett.
- 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 Dziedzic 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 Dziedzic 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 Dziedzic accepted.
- RENEWED MOTION: Commissioner Dziedzic 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 Randoph, \$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 Randoph 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).

Other business (as needed) 5.

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.

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FY19 Conflict of Interest

ENRTF ID	LCCMR Member
057-B	Commissioner Faber reported a conflict of interest for ENRTF ID: 057-B, "Preventing Nitrate Contamination of Groundwater Using Perennial Grains", Heidi Peterson.
127-C	Commissioner Gibson reported a direct conflict of interest for ENRTF ID: 127-C, "Preparing Minnesotans for Changes in Wolf Management", David Kline - International Wolf Center because she is a member of the board of directors.
N/A	Commissioner Kari Dziedzic reminded members of a letter on file from Tom Bottern, Senate Counsel, regarding a family member working at the DNR affirming that it did not constitute a conflict of interest with MN DNR's proposals submitted.

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2018 Environment and Natural Resources Trust Fund Proposals CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW

					CUMUI	LATIVE AVERAGE OF	MEMBE	RR	KAN	IKI	NG	S -	LIS	TEL	B	Y C	ATE	-GC	JRY	Y K	AN	K - H	IIGH	TO LOW
Line #	LCCMR ID#	Project Title	Organization Project Manager	Region of Impact	\$ Request	Member Notes [Compiled from all members. Notes from individual members are designated with dashes]	Average Score - Members that Scored	1	2	3 4	Al 4 5	l Mer	nber 7	Score	es - H				4 15	5 16	17	# Members that Scored	# Members with Conflict	Staff Notes Staff Notes LCCMR Recommendation
4	A. Fo	undational Natura	al Resource Da	ata and Inf	ormation (2	20 Proposals / Subtotal \$15,73	32,000)																	
5		Minnesota Geological Survey Geologic Atlases for Water Resource Management Part-A	U of MN - MN Geological Survey Setterholm, Dale	Statewide	\$4,121,000	- \$4 million - \$2 million - Continue for 4 more years - \$4 million -Full fund -\$4 million -Project is on going and could be a place to not fund completely in order to fund other projectsFull funding	6.53	9	9 9	9 9	9	9	9 9	9 8	8	6	5	5 4	1 3	0	0	17	0	-Continuation -Minnesota Geological Survey -M.L. 2017, Subd. 03a "County Geologic Atlases - Continuation", \$2,000,000, thru 6/30/2019 reduced from \$4,729,000 in 2017 legislative session -M.L. 2015, Subd. 03a "County Geologic Atlases - Part A", \$2,040,000, thru 6/30/2018 -M.L. 2013, Subd. 03b "County Geologic Atlases - Part A", \$1,200,000, completed 6/30/2016 -M.L. 2011, Subd. 03b "County Geologic Atlases for Sustainable Water Management", \$1,200,000, completed 6/30/2015 -M.L. 2010, Subd. 03a "County Geologic Atlases and Related Hydrogeologic Research", \$1,130,000, completed 6/30/2014
6		County Geologic Atlas for Water Resource Sustainability Part-B	MN DNR Putzier, Paul	Statewide	\$2,400,000	- \$2 million - \$1 million - Useful long term project - \$2 million -\$2 million -\$2 million -Full funding	6.12	9	9 9	9 9	8	8	8	7 7	7	6	5	5 4	3	o	0	17	0	-Continuation -Budget includes \$125,159 proposed for DNR Direct & Necessary expenses -M.L. 2015, Subd. 03b "County Geologic Atlases - Part B", \$2,000,000, thru 6/30/2018 -M.L. 2013, Subd. 03b "County Geologic Atlases - Part B", \$1,200,000, thru 6/30/2017 -M.L. 2011, Subd. 03b "County Geologic Atlases for Sustainable Water Management", \$1,200,000, completed 6/30/2015 -M.L. 2010, Subd. 03a "County Geologic Atlases and Related Hydrogeologic Research", \$1,130,000,
7		An Early Warning System for Wildlife Health Threats: Using Wildlife Rehabilitation Data to Monitor Wildlife Health	U of MN VanderWaal, Kimberly	Statewide	\$280,000	- Full funding	5.69	9	9 9	9	9	8	7	7 6	5	4	3	3 2	2 1	0		16	0	-Wildlife health monitoring -Budget includes \$83,000 for private company to develop an online tool for surveillance and alert system
8		Conservation of Minnesota's Forest Birds of Management Concern	U of MN - Duluth NRRI Grinde, Alexis	Regional	\$613,000	-\$600k -\$600K -\$600k	5.41	9	9 9	9 9	8	8	7 (6 5	5	5	3	3 2	2 2	1	1	17	0	-Wildlife Research: a Warbler, Veery and a Woodcock species -Budget includes \$20,000 for VHF Radio receivers (4 at \$5,000 each) -Budget includes \$24,000 for drones (4 at \$6,000 each)

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Attachment #2

Line #	LCCMR ID#	Project Title	Organization Project Manager	Region of Impact	\$ Request	Member Notes [Compiled from all members. Notes from individual members are designated with dashes]	Average Score - Members that Scored				,	All M	leml	ber S	cores	- Hig						Members that	Scored	Members with Conflict	Staff Notes	LCCMR Recommendation
9	006-A	Maximizing Wildlife, Water, and Productivity in Peatland Forests	U of MN Windmuller- Campione, Marcella	Regional	\$698,000	- Full funding -Full fund -\$600K, paper company should contribute -\$450k	5.29	9	9	9 8	8 8	3 7	7 7	7 8	6	5 4			3 14		0	г	17	0		
10	013-A	Assessing Ecosystem Services Provided by Lichens and Mosses	U of MN Stanton, Daniel	Statewide	\$213,000	- Full funding	5.29	9	9	8 7	7 7	7 7	6	6	6	5 !	5 5	4	3	2	1	0	17	0	-Wildlife Research: Lichens & Mosses	
11	003-A	Providing Critical Water Quality Information for Lake Management		Statewide	\$477,000	- \$400k - \$400,000 rivers and streams? -\$450k -\$400k	5.24	9	9	9 7	7 7	7 7	7	7	6	5 !	5 4	4	2	1	0	0	17	0	-UMN Water Resources Center	
12	011-A	Conserving Minnesota's Turtles through Research and Education	Minnesota Zoological Garden Stapleton, Seth	Regional	\$364,000		5.19	9	8	8 8	8 7	7 6	6	6	5	5 4	1 4	4	2	1	0		16	0	-Wildlife Research: Turtles -Budget includes \$20,500 for predator exclusion fencing and cameras -Budget includes \$14,000 for GPS Transmitters	
13	030-A	Data Acquisition to Develop Native Mussel Habitat Suitability	National Park Service Duncan, Nancy	Metro	\$309,000	- \$200k -\$200k and work with DNR -\$200k	5.19	9	8	8	7 7	7 7	7	5	4	4 4	1 4	3	3	3	0		16	0	-Wildlife Research: Mussels -High-Resolution Sonar Data acquisition -Budget not broken down very well	
14	004-A	Minnesota Biodiversity Atlas: Phase II Expansion	U of MN Weiblen, George	Statewide	\$496,000	-\$450k -\$400k	5.18	8	8	8 8	8 8	8 8	7	6	5	5 4	1 3	3	2	2	2	1	17	0	-Continuation -UMN Bell Museum of Natural History -M.L. 2015, Subd. 03d "Minnesota Biodiversity Atlas for Enhanced Natural Resource Management", \$340,000, thru 6/30/2018	
15	022-A	Variable Winter Thermal Regimes and Managing Trout Streams	U of MN Ferrington, Leonard	Regional	\$499,000	- \$400k -\$450K -\$400k	5.06	9	8	7 7	7 7	7 7	7	7	5	4 4	1 3	3 3	2	1	0		16	0	-Fisheries Research: Trout -Budget includes publication costs \$2,000	
16	018-A	Mapping Avian Movement in Minnesota	U of MN - Duluth NRRI Niemi, Gerald	Statewide	\$682,000	-Full funding - Scalable -\$600K -\$600k	4.94	9	9	9 9	9 9	8	5	5 5	5	3 3	3 2	2	2	2	2	0	17	0	-Wildlife Research: Monitoring bird migration & Common Terns -Budget includes \$244,700 for equipment (sensors, antennae's, antennae's towers, transmitters, motus registrations)	
17	027-A	Foundational Assessment of Soil Health Metrics in Minnesota	U of MN Jelinski, Nicolas	Statewide	\$695,000	- \$500k -\$500k -\$400k	4.94	9	9	9 9	9 8	8 8	7	7	5	4 3	3 3	2	1	0	0	0	17	0		
18	A-800	Safeguarding Red Pine Forest Health and Productivity	U of MN Montgomery, Rebecca	Regional	\$420,000		4.65	9	9	7 7	7 7	7 7	6	5	4	4	1 3	3	2	2	0	0	17	0		
19	009-A	Minnesota Trumpeter Swan Migration Ecology and Conservation	U of MN Andersen, David	Statewide	\$389,000	-\$360k - US Fish and Wildlife just opened comment period for Trumpeter Swan hunting season -\$360k	4.47	9	8	8	7 6	5 6	5 5	5 5	5	4 4	1 3	2	2	2	0	0	17	0	-Wildlife Research: Trumpeter Swans	

Line #	LCCMR ID#	Project Title	Organization Project Manager	Region of Impact	\$ Request	Member Notes [Compiled from all members. Notes from individual members are designated with dashes]	Average Score - Members that Scored	1 2	2 3	3 4	All 5	Mem 6	nber S	Score	s - Hi			3 14	1 15	16 1	# Members that Scored	# Members with Conflict	Staff Notes	LCCMR Recommendation
20	 	Minnesota Soil Microbiomes: Foundational Database for Environmental Health	U of MN Kinkel, Linda	Statewide	\$924,000	-\$400k - Too ambitious, just focus on certain areas -\$400k and focus	4.38	9 8	7	7	5	4 4	4 4	4	4	3	3 3	3 2	2	1	16	0	-Budget includes \$12,316 for 20 cubic ft chest freezer -Budget includes purchase and maintenance of database server for \$34,000	
21		Restoring Prairie Biodiversity and Pollinator Habitat with Haying	Carleton College Daniel, Hernández	Regional	\$458,000		4.25	9 8	7	6	6	6	6 4	4	4	3	2 2	1	0	0	16	0	-Wildlife Research: Pollinators and birds	
22		Deer Movement Related to Potential CWD Prion Transmission	MN DNR Jennelle, Christopher	Regional		- Fee for deer hunters - Require matching funds from Game and Fish Fund -Full funding -No funding until cervid farms are outlawed	4.12	9 9	9	7	6	5 !	5 4	4	4	3	3 2	0	0	0 0	17	0	-Wildlife Research: Deer -LCCMR Emerging Issues Account award \$350,000 on 6/21/2017 thru 6/30/2018 -Budget includes \$72,000 for helicopter capture -Budget includes \$150,000 for Iridium satellite data acquisition -Budget includes \$218,206 for collars and monitoring equipment -Budget includes \$20,000 for spotter plane -Budget includes DNR Direct and Necessary expenses \$7,250	
23		Cover Crops for Wildlife Phase I	Pheasants Forever Inc Bruse, Tanner	Regional	\$346,000		3.81	9 8	8	7	5	4	4 4	4	3	3	2 0	0	0	0	16	0		
24	,	Forest Regeneration – Validating Operational Seed Zones	U of MN - Duluth Etterson, Julie	Statewide	\$796,000	- No mention of climate change, what is currently being done?	2.06	7 6	4	3	2	2 2	2 2	2	1	1	1 0	0	0	O	16	0		

Line #	LCCMR ID#	Project Title	Organization Project Manager	Region of Impact	\$ Request	Member Notes [Compiled from all members. Notes from individual members are designated with dashes]	Average Score - Members that Scored				All	Men	nber	Score	s - Hi	gh to						Scored	Members with Conflict	Staff Notes	SELECTED	LCCMR Recommendation
25							ΑZ	1	2	3 4	5	6	7	8 9	10	11	12 1	L3 14	15	16	17	#	#			
23	B. Wa	ter Resources (18	8 Proposals / S	Subtotal \$2																						
26		Wastewater Treatment Plant Optimization Pilot Program	Minnesota Pollution Control Agency Peck, Joel	Statewide	\$779,000	- \$700k -\$700k -\$700k (newest with pond systems)	8.00	9	9 9	9	9	9	9 9	9 9	8	8	8 8	8 7	6	2		16	0			
27		Contaminant Removal Efficiency of Urban Stormwater Treatment Ponds	St. Cloud State University Schoenfuss, Heiko	Statewide	\$377,000	- Full funding -Full fund	6.94	9	9 9	9 9	9	9	8 7	7 7	7	7	5 !	5 4	4	2		16	0	-Budget includes \$230,000 subcontract to USGS		
28		Emerging Pathogens in Lakes, Rivers, and Tap Water	U of MN LaPara, Timothy	Statewide	\$355,000	- Full funding -Full fund	6.56	9	9	8 8	8	8	8 7	7 7	7	6	6 !	5 4	3	2		16	0	-Budget includes \$5,000 for publication costs		
29	037-В	Water Investigation of Road Salt Alternatives and Pavement Innovations	U of MN Gulliver, John	Statewide	\$521,000	- \$400k -\$400k -\$400k	6.38	9	9 8	3 7	7	7	7 7	7 7	7	6	5 !	5 5	4	2		16	0	-Budget includes \$76,905 for visiting professor from Valparaiso, IN -Budget includes \$55,000 for T5 pull-behind road friction measurement trailer -Budget includes \$11,000 for a walk-freezer -M.L. 2016, Subd. 04n "Understanding Impacts of Salt Usage on Minnesota Lakes, Rivers, and Groundwater", \$497,000, thru 6/30/2019		
30		Small Cheap Purification System for Cleaner Drinking Water	U of MN Cui, Tianhong	Statewide	\$496,000	- \$400k -Full fund	6.38	9	8 8	8 8	8	8	8 7	7 7	7	7	7 !	5 4	1	0		16	0	-It is unclear if this is for an under the sink filter or community scale system		
31		Defining Minnesota's Environmental Antibiotic and Antibiotic Resistance Footprint	U of MN Singer, Randall	Statewide	\$921,000	- \$600k - Where are the results from our last three antibiotic studies? -\$500k -\$500k	5.50	9	9 9	8	8	7	7 6	5 5	5	4	3 3	3 3	2	0		16	0	-Budget includes \$13,000 for open-access publication charges -Budget includes \$6,500 for in-state conferences -M.L. 2014, Subd. 03e "Antibiotics and Antibiotic Resistance Genes in Minnesota lakes", \$300,00, completed 6/30/2017 -M.L. 2013, Subd. 05h "Antibiotics in Minnesota waters - Phase II Mississippi River", \$203,000, completed 6/30/2016 -M.L. 2011, Subd. 05e "Assessment of Minnesota River antibiotic concentrations", \$190,000, completed 6/30/2014		
32		ShellRock River Watershed Stormwater Quality Trading Pilot Program	Shell Rock River Watershed District Christensen, Courtney	Regional	\$350,000	- \$250k -Not including ineligible expenses -\$200k -\$259k	5.44	8	8 8	8 8	8	8	6 6	6 6	5	5	5 4	4 2	0	0		16	0	-Budget includes potentially ineligible expenses -Unclear what pollutants or how much they would be reduced		
33		Removing Plastic Particle Pollution from Minnesota Water Bodies	U of MN Coletti, Filippo	Statewide	\$388,000	- \$300k - Upgrade public campaign -\$300k -Big bang for the buck	5.29	9	9 9	9 9	8	8	8 8	7	3	3	3 2	2 2	2	0	0	17	0	-St. Anthony Falls Laboratory-UMN		

Line #	LCCMR ID#	Project Title	Organization Project Manager	Region of Impact	\$ Request	Member Notes [Compiled from all members. Notes from individual members are designated with dashes]	Average Score - Members that Scored				Al	l Me	mbe	r Scor	es - F	ligh t	o Lov	v				Aembers that Scored	nembers with Conflict	Staff Notes	SELECTED	LCCMR Recommendation
						,	ΑΣ	1	2	3 4	4 5	6	7	8	9 10	11	12	13 1	4 15	16	17	#	#			
34	064-B	Unregulated Contaminants: Addressing Gaps in Drinking Water Protection	Minnesota Department of Health Robertson, Stephen	Statewide	\$2,107,000	- \$1 million - \$1 million - \$1 million -Not full amount -Cut by \$1 million -\$1 million -\$1 million	5.24	9	9	9 9	9	8	8	8 8	5	3	2	2 0	0	0	0	17	0	-Proposal lacks details -Staff score reflects lack of details -Budget includes \$1,130,400 for private analytical laboratories		
35	038-В	Biological Sulfate Removal for Wastewater Treatment in Minnesota	U of MN Behrens, Sebastian	Statewide	\$494,000		4.88	9	9	9 8	7	6	6	6 5	5	4	2	2 0	0	0		16	0	-Budget includes equipment for 6 bioreactors \$35,000 -Budget includes in-state conference and travel \$2,000		
36	045-В	Developing a Map of Arsenic Risk in Groundwater	U of MN Ng, GH. Crystal	Regional	\$550,000	- Full funding - Dept of Health? -Full fund	4.69	9	9	9 8	7	6	6	5 5	4	2	2	2 1	0	0		16	0	-Budget includes \$24,225 for 3 groundwater wells -Budget includes \$14,560 for sediment analysis at Lawrence Berkley National Lab (CA); instrumentation not available in-state		
		Rapid Detection of Algal Toxins in Minnesota Lakes	U of MN - Duluth NRRI Bramburger, Andrew	Statewide	\$686,000		4.63	9	8	8 7	7	5	5	5 5	4	4	2	2 2	1	0		16	0	-Budget includes \$19,560 for a YSI EX02 Water Quality Sonde		
38	055-В	Working Farmlands: Targeting Alfalfa Production for Water Protection	U of MN Jordan, Nicholas	Regional	\$752,000	- Use native plants	4.50	9	9	9 9	7	6	6	5 3	2	2	2	2 1	0	0		16	0	-Budget includes \$15,000 for Process Equipment -Budget includes \$36,353 for travel -Budget includes \$3,500 for hosting forum speakers		
39	074-B	Minnesota's Coldwater Fish Decline: Causes and Solutions	U of MN - Duluth NRRI Reavie, Euan	Regional	\$789,000		4.31	9	9	6 6	6	6	6	5 3	3	3	2	2 1	. 1	1		16	0	-Wildlife Habitat Research: Coldwater fish -Budget includes \$3,184 for Minnesota Water Resources Conference		
40		Phosphorus Accumulating Fungi to Control Agricultural Runoff Pollution	U of MN Bushley, Kathryn	Statewide	\$361,000		4.19	9	9	8 5	5	4	4	4 3	3	3	3	3 2	1	1		16	0	-Wildlife Research: Mycorrhizal fungi		
41	057-В	Preventing Nitrate Contamination of Groundwater Using Perennial Grains	Minnesota Department of Agriculture Wagner, Margaret	Statewide	\$759,000	- Use native plants -\$500k	3.88	8	7	6 6	6	5	5	4 4	3	3	3	2 0	0	0		16	1	-Indicated to be Phase 1 (2 years) of a long-term (6-10 years) study to reduce groundwater nitrate contamination in high-risk, wellhead protection areas using intermediate wheatgrass -Budget not well broken down -Budget includes \$48,000 for land rental -Budget includes \$2,500 for publication costs		
42	072-В	Increasing Contaminants and Temperature Eliminate Minnesota Turtles	St. Cloud State University Kohno, Satomi	Statewide	\$248,000		3.75	9	7	7 6	6	5	4	3 3	2	2	2	2 1	1	0		16	0	-Wildlife Research: Turtles -Budget includes \$13,417 for Environmental chamber for egg incubation		
43	086-В	Optimal Configuration of Windbreaks for Agricultural Water Conservation	U of MN Ebtehaj, Ardeshir	Statewide	\$368,000		3.13	9	6	6 5	4	4	4	3 3	2	2	1	1 0	0	0		16	0	-Budget includes \$20,000 for H20 Open-path Gas Analyzer and 3-D Sonic Anemometer		

Line #	# Project Ti	Organizati le Project Manage	Region o		Member Notes [Compiled from all members. Notes from individual members are designated with dashes]	Average Score - Members that Scored	1 2	2 3	4	All M	lemb	er Sc	ores				14	15	16	# Members that	Scored	# Members with Conflict	Staff Notes LCCMR Recommendation
44	C. Environmental	Education (17 P	roposals / S	Subtotal \$7,4	93,000)																		
45	112-C Get Outdoors Af School!	er Project Ge Outdoors II Holger, Sar	ıc	\$30,000	- Full funding -Full Fund	7.25	9 9	9	9	9 9	9	9	9	9	8 8	7	2	1	0	1	6		-Project time line is not correct (appears to begin July 2018 and ends June 2018) -Budget includes \$26,000 for Activity Backpacks & Outdoor Equipment Kits -M.L. 2010, Subd. 08h "Project Get Outdoors", \$15,000, completed 11/16/2010
46	106-C YES! Students Ta Minnesota Wate Quality Challeng	r Environmen	tal ter	\$213,000	- Full funding -Full fund -Clean Water Legacy	7.13	9 9	9	9	9 9	9	8	8	8	7 7	5	4	3	1	1	6	0	-Budget includes \$10,000 for Project Seed Funds which allows for teams to purchase materials and services necessary to initiate projects for water quality and conservation related projects, events, monitoring, testing and reporting. \$500/team x 10 teams = \$5,000 x 2 years = \$10,000 -M.L. 2016, Subd. 05c "Youth-Led Sustainability Projects in 50 Minnesota Communities - Phase III", \$400,000, thru 6/30/2018 -M.L. 2014, Subd. 09b "Youth-led Sustainability Initiatives in 40 Greater Minnesota Communities", \$350,000, completed 6/30/2016 -M.L. 2011, Subd. 08a "Youth-led Renewable Energy and Energy Conservation in West and Southwest Minnesota", \$246,000, completed 6/30/2014
47	109-C Phase 2 Prairie Sportsman State Environmental Education Project	Bakken, Timo		\$300,000	- Full funding - Lead contamination story is needed -Full fund -\$250k	7.00	9 9	9	9	9 9	9	9	9	8	7 7	5	3	1	0	1	6		-Continuation -M.L. 2016, Subd. 05d " New Prairie Sportsman Statewide Broadcast Video Project", \$300,000, thru 6/30/2019
48	099-C Increasing Diverse Environmental C Fellowships, Internships, Mentorships		Statewide se	\$1,000,000	- Full funding -Could scale down and fund 40-50 students to start the program -Full fund	6.29	9 9	9	9	9 9	9	9	9	8	7 6	4	1	0	0	0 1	7	0	-Resubmitted proposal from 2017 -Budget was reduced from \$1,000,000 to \$487,000 in 2017 legislative session -Budget states "\$487,000 received in ML2017 Chp. 96; no funding will be expended until additional \$1 million is secured." from this proposal -Budget includes \$28,237 proposed for DNR Direct & Necessary expenses -M.L. 2017, Subd. 05b "Increasing Diversity in Environmental Careers", \$487,000, thru 6/30/2022
49	120-C Expanding Natur Knowledge and Experience in No Minneapolis	and Recreat	on	\$865,000) - \$500k - Require 50/50 match -\$500k -\$500k	6.06	9 9	9	9	8 8	8 8	8	7	7	6 4	3	2	0	0	1	6	U	-Budget includes \$15,000 for outdoor equipment -Proposal budget is Inconsistent with proposal sheet budget Activity 1 Proposal Budget is \$1,077,000 Activity 1 includes the in-kind funds so should be \$865,000
50	102-C Pollinator Amba for Urban Garde		Statewide e	\$421,000	- \$400k -\$400k -\$400k	5.94	9 9	9	8	8 8	8	8	7	7	6 6	1	1	0	0	1	6	0	-Budget includes \$111,146 for 30 Pollinator Ambassadors to train youth age 15-18 to gather data and information on urban pollinator plantings

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51	121-C	River Watch on the Minnesota River	Friends of the Minnesota Valley Suss, Ted	Regional	\$103,000		_A ⊠	9	9	8 8	3 8	8 8	8	7			4			Ī	16 17 O	16	0	-See 113-C "Minnesota River Education Model: Connecting Students to Watersheds" and 119-C "Minnesota River Water Quality Education" for similar proposal -Budget includes \$13,000 for 2 YSI Sonde Multi Fuction Water Monitoring Probes -Budget includes \$20,000 for 2 Minnesota River Basin Wide forums
52	108-C	Preserve Resources by Expanding the State's Reuse Sectors	ReUSE Minnesota Thomas, Steve	Statewide	\$363,000	- \$250k -\$250k -\$250k -\$250k	5.69	9	9	9 8	8 8	8 8	7	7	6 6	5 5	4	2	2	1 (0	16	0	-Continuation -How does this relate to the proposal "Preserve Resources by Expanding the State's Reuse Sectors"? See proposal 164-E -M.L. 2015, Subd. 07c "Building Deconstruction to reduce Greenhouse Gas Emissions and Solid Waste", \$1,000,000, extended in 2017 session thru 6/30/2018
53	127-C	Preparing Minnesotans for Changes in Wolf Management	International Wolf Center Kline, David	Regional	\$1,200,000	- Full funding -Full fund	5.56	9	9	9 9	8	8	8	8	7 7	7 7	0	0	0	0 (0	16	1	-Construction of a Wolf Discovery Center -Budget not broken down well -Very little information or details in the proposal so it is difficult to rank
54	101-C	Connecting Students with Watersheds through Hands-on Learning	Minnesota Trout Unlimited Lenczewski, John	Statewide	\$581,000	- \$400k - \$400k - Activity one (1) only -Not sure about the bus transportation -\$400k -\$400k	5.38	9	9	9 8	3 8	8 8	8	6	5 4	1 4	3	3	1	1 (o	16	0	-Continuation -Budget includes \$44,050 for Aquarium equipment and maintenance -Budget includes \$35,000 for National Fishing in the Schools program -Budget includes \$100,800 for Bus transportation -Budget includes \$45,000 for Student Summits -M.L. 2015, Subd. 05b "Connecting Students with Watersheds through Hands-On Learning", \$400,000, thru 6/30/2018
55	118-C	Morris Prairie Pollinator Demonstration and Education	U of MN Poppe, Steven	Central	\$681,000	- \$500k	5.00	9	9	9 9	9 9	7	6	5	5 4	1 3	2	2	1	0 (0	16	0	-UMM Morris West Central Research and Outreach Center -Wildlife Restoration- Pollinators -Budget includes \$236,000 for shelters/kiosks/signs/benches and solar powered lights for roughly 1/2 mile trail -Budget includes \$5,000 for conference
56	111-C	Youth Convening Minnesota	Climate Generation: A Will Steger Legacy Poppleton, Kristen		\$300,000	- Full funding -Full fund	4.82	9	9	9 9	9 9	9	8	7	4 4	1 3	2	0	0	0	0 0	17	0	-Resubmitted proposal from 2017
57		Unlocking the Science of Minnesotas Moose Decline	Minnesota Zoological Garden Mattson, Nicole	Statewide	\$300,000	- \$260k no moose sculpture -Re-instate wolf hunt -\$260k no statue -\$250k - statue to Arts Funding	4.56	9	8	7 7	7 6	6	6	5	5 4	1 4	3	2	1	0	0	16	0	-Budget includes \$70,500 for audio system -Budget includes \$12,000 for touchable artifacts -Budget includes \$40,000 for bronze moose calf sculpture

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58		Students Using Local Phenology Contributes to Citizen Science	U of MN Carlson, Stephan	Statewide	\$224,000	- Full funding	4.38	9	8	8	8	8 8	7	4	3	2	2 :	1 1	1	0	0	16	j	0	-Continuation -Budget includes \$19,000 for Signage for Phenology trails -Budget includes \$2,000 for Community Festival Nature Center events -Budget includes \$1,000 for conference presentation -M.L. 2014, Subd. 05e "Assessing Species Vulnerability to Climate Change Using Phenology", \$175,000, completed 6/30/2017		
59		Online Modules Build Local Capacity to Protect Groundwater	Minnesota Department of Health Raber, Carrie	Statewide	\$335,000		3.00	8	6	6	6	4 3	3	3	3	2	1 (0	0	0		15	i	0			
60		Integrating Environmental Science Research in High School Education	U of MN	Statewide		- Stipends need to be clarified -Needs to be reworked-teachers can get training and work with students in summer project\$200k -I'd like to see them back next year if they could figure out the issues with the stipends and identify the research the teachers would be doing.	3.00	7	6	6	4	4 3	3	3	2	2	2 2	2 2	2 1	1	0	16	i	0	-What is the relationship with the "Providing enduring ecology experiences for all Minnesota middle-schoolers" proposal? See proposal 100-C -Budget includes \$12,000 for Highschool teachers @ conferences -Budget includes \$4,000 for substitute teachers -Budget incudes \$200,000 for stipends to teachers		
61		Strengthening Natural Resources Management with Drone Training	U of MN Knight, Joseph	Statewide	\$132,000		2.75	8	7	6	4	4 3	2	2 2	2	2	1 :	1 1	1	0	0	16	i	0			

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						are designated with dashes	AV	1	2	3 4	4 5	6	7	8 9	10	11	12 1	3 14	15	16	17 #		Σ #			
62	D. Aq	uatic and Terrest	rial Invasive S	pecies (9 P	roposals / S	Subtotal \$24,707,000)																				
63	152-D	Evaluate Control Methods for Invasive Hybrid Cattails	Voyageurs National Park Windels, Steve	Regional	\$131,000	- Full funding	6.24	9	9 !	9 9	6	9	9 8	6	6	5	5 5	4	2	2	0	17	0	-AIS: Hybrid Cattails -Budget includes \$46,460 for Kansas State Staff -Budget includes \$11,480 for Kansas State students -Budget includes \$8,000 for flight time for aerial muskrat and vegetation surveys -Budget includes \$2,000 for publication costs		
64	133-D	Developing RNA Interference Genetic Controls for Zebra Mussels	U.S. Geological Survey Merkes, Christopher	Statewide		- \$700k - May be the solution -\$700k -works needs to be somehow Minnesota based, otherwise there doesn't appear to be anything MN specific about this proposal (including a bulk of the \$\$ going to WI)	6.06	9	88	8 8	8	7	7 7	7	6	6	6 6	4	3	2	1	17	0	-Upper Midwest Environmental Sciences Center - USGS LaCrosse -AIS: Zebra Mussels -Mike McCarty UMN Minnesota Aquatic Invasive Species Research Center receiving \$15,000		
65	141-D	Palmer Amaranth Detection and Eradication Continuation	Minnesota Department of Agriculture Chandler, Monika	Statewide	\$431,000	-Fund detection	6.06	9	9 !	9 9	9	8	8 7	6	5	5	5 5	4	3	2	0	17	0	-Continuation of emerging issues allocation -LCCMR Emerging Issues Account award \$173,000 on 6/21/2017 thru 6/30/2018 -TIS-Palmer amaranth (plant) -M.L. 2016, Subd. 06e "Elimination of Target Invasive Plants - Phase 2", \$750,000, thru 6/30/2019 -M.L. 2013, Subd. 06d "Elimination of Target Invasive Plants", \$350,000, completed 6/30/2016		
66	132-D	Minnesota Invasive Terrestrial Plants and Pests Center 4	U of MN Venette, Robert	Statewide	\$7,000,000	- \$3.5 million - \$2 million - \$3.5 million -\$3 million -\$3 million	5.76	9	9 !	9 8	80	7	7 7	7	6	6	5 3	3	2	1	1	17	0	-Continuation -Terrestrial invasive species research -M.L. 2016, Subd. 06a "Minnesota Invasive Terrestrial Plants and Pests Center - Phase III", \$3,750,000, thru 2023 -M.L. 2015, Subd. 06a "Minnesota Invasive Terrestrial Plants and Pests Center", \$5,000,000, thru 6/30/2023 -M.L. 2014, Sec. 8 "Invasive Terrestrial Plants and Pests Center", \$1,460,000, thru 6/30/2022		
67	139-D	Determining Minnesota's Risk of a Toxic Algal Invader	Science Museum of Minnesota - St. Croix Research Station Heathcote, Adam	Statewide	\$243,000	- Full funding -Full fund -\$200k	5.41	9	8	8 8	7	7	7 7	7	7	4	4 4	2	2	1	0	17	0	-St. Croix Watershed Research Station -AIS: blue-green algae -M.L. 2016, Subd. 04a "Tracking and Preventing Harmful Algal Blooms", \$500,000, thru 6/30/2019 -M.L. 2015 Emerging Issues "Tracking and Preventing Harmful Algal Blooms", \$93,000 completed		

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68	134-D An Effective and Practical Invasive Carp Deterrent	U of MN Sorensen, Peter	Statewide	\$998,000	- Should be capitol bonding - Expensive equipment costs -Bonding?	5.35	9 9	9	9	8 8	8 7	7 6	6	5	4	3 3	2	1	1	1 :	17	0	-Continuation -AIS: Invasive Carp -Budget includes \$340,000 for 2 yr. lease for speaker system (with option to buy) -Budget includes \$10,000 for shipping FGS speak system from UK -M.L. 2014, Subd. 04a "Blocking Bighead, Silver and Other Invasive Carp by Optimizing Lock and Dams", \$854,000, completed 6/30/2017 -M.L. 2013, Subd. 06a "Attracting carp so their presence can be accurately assessed", \$682,969, thru 6/30/2019 -M.L. 2012, Sec. 3 "Aquatic Invasive Species (AIS) Cooperative Research Center; Appropriation",
69	138-D Monitoring and Biocontrol of Brown Marmorated Stink Bug	Minnesota Department of Agriculture Ambourn, Angie	Statewide	\$199,000	- Full funding	4.65	9 9	8	8	8 7	7 7	7 6	4	4	3	3 2	1	0	0	0 :	17	0	-Continuation -TIS Research: Brown marmorated stink bug -M.L. 2014, Subd. 04f, "Brown Marmorated Stinkbug Monitoring and Biological Control Evaluation", \$266,000, completed 6/30/2017 -2015 UMN Minnesota Terrestrial Invasive Plants and Pests Center "Early Detection, Forecasting and Management of the brown marmorated stink bug, Halyomorpha halys", \$597,795
70	135-D Slow the Spread of the Emerald Ash Borer	Minnesota Department of Agriculture Abrahamson, Mark	Statewide	\$14,689,000	-Did they get LSOHC \$. Can be scaled down. -Cut to \$5 million -No money for Activity 3	4.18	9 8	8	7	6	6 5	5 4	3	3	3	3 3	1	1	1	0 =	17	0	-Similar or identical to LSOHC proposal "Slow the Spread of the Emerald Ash Borer" for \$14,689,500 -Continuation -TIS: Emerald Ash Borer (EAB) -M.L. 2017, Subd. 06b "Emerald Ash Borer Biocontrol - Phase III", \$729,000, thru 6/30/2020
71	147-D Terrestrial Invasive Plant Detection Methods for Forest Lands	MN DNR Burks, Susan	Statewide	\$300,000		3.18	8 6	6	5	4 3	3 3	3 3	3	3	3	2 2	2	1	0	0 :	17	0	-TIS Plant detection methods: Buckthorn

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72	FΔi	r Quality Climate (Change and F	Renewahle	Fnergy (8 F	Proposals / Subtotal \$6,072,00		1 2	3	4	5	6 7	7 8	9	10	11 1	2 13	14	15	16 17	#	#		
73		Agricultural Weed Control Using Robots	U of MN - Morris Reese, Michael	Statewide	\$600,000		6.69	9 9	9	9	8 8	3 7	7	7	7	7 6	6	6	2	0	16	0	-Resubmitted 2017 Proposal	
74	160-E	Cheap Solar Energy from Simple Roll-to- Roll Manufacturing	The University of Minnesota Cui, Tianhong	Statewide	\$388,000	- \$300k -\$300k -\$300k	5.94	9 8	8	8	7 7	7 7	7	7	7	6 6	6	5	3	0 0	17	0	-Resubmitted 2017 Proposal	
75	158-E	Clean Electricity from Solar Windows	U of MN Kortshagen, Uwe	Statewide	\$458,000	- \$450k look for potential industry match - Transmission is fuzzy -Needs match -\$400k and would like to see a	5.88	9 9	8	8	8 7	7 7	7	7	6	6 5	4	3	0	0	16	0	-Nanometer-sized silicon crystals are patented by UMN -Budget includes \$40,000 for custom build equipment	
76	164-E	Phase II- Reduce Solid Waste and Greenhouse Gas Emissions	The NetWork for Better Futures (D/B/A) Better Futures Minnesota Swaggert, Nick	Statewide	\$1,151,000	- \$1 million -Can reduce number of projects for less \$\$1 million -\$1 million -\$1 million	5.81	9 8	8	8	8 8	8 8	7	7	7	7 6	1	1	0	0	16	0	-Continuation -How does this relate to the proposal "Preserve Resources by Expanding the State's Reuse Sectors"? See proposal 108-C -Budget includes \$200,000 to provide financial incentives for municipalities in 3 counties -M.L. 2015, Subd. 07c "Building Deconstruction to Reduce Greenhouse Gas Emissions and Solid Waste", \$1,000,000, thru 6/30/2018	
77	159-E	Community-Scale Energy Storage Guide for Renewable Energy	U of MN Anderson, Ellen	Statewide	\$625,000	- Full funding -Full funding	5.44	9 9	9	9	9 9	8	8	7	5	3 2	0	0	0	0	16	0	-Resubmitted 2017 proposal -Budget includes \$300,000 for Energy Storage Systems as demonstration projects (3) -Budget includes \$3,040 for ineligible office supplies	
78	169-E	Bringing Geothermal Power to MN: CO2 Power-System Test	TerraCOH Inc. Randolph, Jimmy	Metro	\$315,000	Grid scale storage - GRE or Xcel should pay for demonstration	2.88	9 9	œ	7	5 4	4 3	3	1	0	0 0	0	0	0	0 0	17	0	-Continuation -How does this relate to the proposal "Field testing/demonstration of novel ground source heat pump"? See proposal 165-E -Holds patented technology already -Budget includes \$12,000 for facility rental -Budget includes \$8,000 for system installation -Budget incudes \$75,000 for power system -M.L. 2014, Subd. 08b "Innovative Groundwater-Enhanced Geothermal Heat Pump Study", \$1,000,000, thru 6/30/2017	

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79	174-E	Production and Utilization of Biomass: St. Louis County	St. Louis County Land & Minerals Dept Weber, Mark	Regional	\$2,285,000	-Lidar only	2.18	9 8	8 5	3	3	2	2	2 1	1	1	0	0	0 (0 0	0	17	0	-Budget includes \$1,337,7000 for LiDAR and DEM datasets for St. Louis County -Budget includes \$1,736,500 for equipment: -\$120,000 for Seedlings -\$690,000 for insulated buildings (Cook and Ely) -\$74,000 for pellet bins (2) -\$740,000 for 5 million BTU boilers (2) -\$81,600 for 5% contingency		
80	166-E	Life Cycle Analysis of Anaerobic Digestion and Organics	Minnesota Pollution Control Agency Walsh, Kayla	Statewide	\$250,000		1.29	8 3	3 3	2	2	2	2	0 0	0	0	0	0	0 0	0	0	17	0	-Budget is \$250,000 for a RFP to conduct Life Cycle Assessment -Unclear whether project length is 2 or 3 years		

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81	F. Me	thods to Protect,	Restore, and	Enhance L	and, Water,	, and Habitat (16 Proposals /	Subtotal \$2	23,35	0,00	0)													
82		Replacing Plastic Cover in Vegetable Production with BioMulch	U of MN Pagliari, Paulo	Statewide	\$310,000	- \$260k - Hope it doesn't attract wildlife -\$250k	7.18	9	9 9	9	9	8 8	8 8	8	7	7	7 6	5	5	5 3	17	1	-Agricultural Utilization Research Institute
83		Restoring Minnesota's Forests in State Parks	MN DNR Quinn, Edward	Statewide	\$432,000	- \$240k - \$250k -\$250k -\$250k	5.47	9	8 7	7	7	7	7 6	6	6	5	5 5	5	3	0 0	17	0	-\$1,000 per acre for restoration costs -Budget includes \$250,000 in contracts -Budget includes \$150,000 in supplies -Budget includes \$12,240 proposed for DNR Direct & Necessary expenses
		Preserving and Restoring Minnesota's Native Orchids – Phase 2	U of MN Remucal, David	Statewide	\$468,000	- \$260k - Just activity 1 - Just activity 1 -\$260k -Just Activity 1, \$250k -Activity 1	5.41	9	9 9	9	8	8 8	8 7	6	5	3	3 2	2	2	1 1	17	0	-Continuation -MN Landscape Arboretum -M.L. 2015, Subd. 08c "Preserving and Protecting Minnesota Native Orchid Species", \$167,000, thru 6/30/2018
85		Restoring Wetland Invertebrates to Revive Wildlife Habitat	MN DNR Larson, Danelle	Statewide	\$417,000	- \$400k -\$400k -\$400k	5.29	9	9 9	8	8	7	7 7	7	5	4	4 3	2	1	0 0	17	0	-Wildlife Research: Amphipods -Stocking of amphipods -Budget includes \$10,000 for conferences -Equipment and Tools needs better breakdown for \$10,000 and \$40,000 -Budget includes \$10,000 for paper, envelopes, post cards -Budget includes \$8,000 for publication costs in open- access journals (4 @ \$2,000) -Budget includes \$10,485 proposed for DNR Direct & Necessary expenses
86		Implementing Novel Market-based Methods for Urban Habitat Restoration	Great River Greening Huckett, Steven	Metro	\$499,000	- \$275k - \$250k -\$250k -\$250k -\$250k	5.24	9	8 8	8 8	7	7	7 7	6	5	5	3 3	2	2	1 1	17	0	-To restore 450 acres -Budget includes \$247,000 for seed for 415 acres -Budget includes \$2,700 for Volunteer Event supplies and rentals -M.L. 2017, Subd. 08i "Community Stewardship to Restore Urban Natural Resources - Phase Ten", \$524,000, thru 6/30/2020 -M.L. 2016, Subd. 08g "Upland, Wetland, and Shoreline Restoration in Greater Metropolitan Area", \$509,000, thru 6/30/2019
87		Nongame Wildlife Program Acceleration	MN DNR Henderson, Carrol	Statewide	\$2,000,000	- \$1.25 million - \$1 million - \$1 million -Possibly reduce \$ amount. -\$1 million -\$1 million	5.06	9 !	9 9	9	9	8	8 7	6	3	3	3 2	1	0	0 0	17	0	-Budget includes \$45,622 proposed for DNR Direct & Necessary expenses
88		Are We Turning Wild Prairie Plants into Crops?	U of MN - Duluth Haines, Dustin	Statewide	\$555,000		4.94	9	9 8	8 8	7	7	7 7	5	4	3	3 3	2	1	1 0	17	1	

Line #	LCCMR ID#	Project Title	Organization Project Manager	Region of Impact	\$ Request	Member Notes [Compiled from all members. Notes from individual members are designated with dashes]	Average Score - Members that Scored				А	.ll Me	mbei	r Scor	es - H	ligh t	o Low				Jembers that	# Members with	Staff Notes Staff Notes Recommendation
							₹ ≥	1	2	3	4 5	6	7	8	9 10	11	12 1	3 14	15	16 1	7 #	#	
89	183-F	Sediment Hazards to Trout in Southeast Minnesota Streams	U of MN Wickert, Andrew	Regional	\$337,000	- \$210k -\$200k	4.35	7	7	7 7	7 7	7	6	5 3	3	3	3 3	3	2	1 0	17	0	- St. Anthony Falls Laboratory-UMN -Wildlife Research: Trout -Budget includes \$3,000 for publication costs
90		Increasing Timber Availability and Habitat with Soil Management	U of MN Slesak, Robert	Statewide	\$396,000	- \$325k - Timber industry input? -\$350k -\$300k	4.24	9	8	8 7	7 7	7	5	5 3	3 3	3	2 2	2	1	0 0	17	0	-Budget includes \$25,000 for mobile soil pressure apparatus
91	180-F	Show Me the Money: 10 Markets for Perennials	Science Museum of Minnesota - St. Croix Research Station Schottler, Shawn	Statewide	\$347,000	-\$300k	3.94	9	9	8 6	6 6	6	5	5 3	3	2	2 2	1	0	0 0	17	0	-St. Croix Watershed Research Station
92		Converting Agricultural Wastes into Energy, Polymers, and Fertilizers	U of MN Pagliari, Paulo	Statewide	\$949,000	- Need results of first project on conversion	3.82	9	8	7 6	5 5	5	4	4 4	3	3	3 2	2	0	0 0	17	0	-Awaiting on results of phase I 2014 appropriation -Budget includes \$80,000 equipment for (4) reactors -Budget includes \$150,000 equipment for ammonia reactor -M.L. 2014, Subd. 08f "Clean Water and Renewable Energy from Beet Processing Wastewater and Manure", \$400,000, completed 6/30/2017
93	196-F	Okabena Creek Water Quality and Flood Protection Demonstration	Heron Lake Watershed District Voit, Jan	Regional	\$720,000	- Match from those who benefit?	3.82	9	9	7 7	7 6	5	5	5 5	3	2	1 1	. 0	0	0 0	17	0	-Conservation easement acquisition of 12 acres @ \$6,500 per acre -Ditch restoration -5 acre two-stage ditch and 7-acre pond -Budget includes \$10,000 for Educational outreach materials -Budget includes \$40,000 for monitoring structures (4)
94	184-F	Repurposing Unprofitable Cropland: Water and Wildlife's Silver Bullet?	Science Museum of Minnesota - St. Croix Research Station Ulrich, Jason	Statewide	\$319,000		3.71	7	7	6 6	6 6	5	4	4 4	3	3	3 3	1	1	0 0	17	0	-St. Croix Watershed Research Station
95	185-F	Advancing Streambank Protection Systems	Urich, Jason U of MN Guala, Michele	Statewide	\$286,000	-\$200k	3.59	9	8	8 8	3 7	5	5	3 3	2	2	1 0	0	0	0 0	17	0	-St. Anthony Falls laboratory-UMN -Secured provisional patent already -Budget includes prototype components for \$30,000
96	190-F	Working Conservation Lands for Grazing, Harvest, and Habitat	Board of Water and Soil Resources Rhees, Suzanne	Regional	\$315,000	- Done this	3.35	9	7	6 5	5 5	5	5	5 4	3	1	1 1	0	0	0 0	17	0	

‡ 02:-	LCCMR	# Project Title	Organization Project Manager	Region of Impact	\$ Request	Member Notes [Compiled from all members. Notes from individual members are designated with dashes]	Average Score - Members that Scored	1	2	3	A 4 5	ill Mei	mber 7	· Scoi	_	High to			15 16	# Members that	# Members with	E Staff Notes O	LCCMR nmendation
97	194	-F MN CREP for Water Quality and Habitat	Board of Water and Soil Resources Rickert, Dave	Regional	\$15,000,000	- \$2 million - Bondable, supplant, already received \$5 million from this year's budget -Not ful amount -Cut to \$5 million	3.06	9	9 9	9 7	, 5	5	5	2 1	LO	0	0 0	0	0 0	0 17	0	-Similar or identical to LSOHC proposal "RIM Wetlands Phase IX" for \$20,000,000 and "RIM Buffers for Wildlife and Water Phase VII" for \$8,000,000 -Acquire Conservation Easements (402 easements; 6,594 acres) -\$14,375,400 for 6,954 acres @ \$2,180 per acre -Secured USDA Funds \$39,522,200 -5 years to complete -Budget includes Direct Support Services \$220,000, with no information as to what the \$ go to	

Line #	LCCMR ID#	Project Title	Organization Project Manager	Region of Impact	\$ Request	Member Notes [Compiled from all members. Notes from individual members are designated with dashes]	Average Score - Members that Scored				All	Men	nber S	cores	- High	ı to l	Low				lembers that	Scored	embers with Conflict	Staff Notes	SELECTED	LCCMR Recommendation
						are designated with dashes	Ave	1	2	3 4	5	6	7 8	9	10 1	1 12	2 13	14	15	16 1	.7 #		≥ #			
98	G. La	nd Acquisition for	· Habitat and R	Recreation	(13 Propos	als / \$29,538,000)																				
99	207-G	Harmony State Trail Extension Land Acquisition	City of Harmony Illg, Jerome	Regional	\$235,000	- Full funding -Full funding	8.12	9	9	9 9	9	9	9 9	9	8 8	8 8	8	8	7	5 5	;			-State Trail Segment Extension -Fee Title Acquisition of 16 parcels totaling 25 acres		
100	205-G	Mesabi Trail, County Road 88 to Ely Segment	St. Louis & Lake Counties Regional Railroad Authority Manzoline, Robert	Regional		- \$500k -\$600k -Add \$600k for Lamppa cornerWe need to get this off our plate and get it done before costs escalate	7.41	9	9	9 9	9	9	8 8	8	8 8	7	7	6	5	5 2	2			-Continuation -M.L. 2017, Subd. 09g "Mesabi Trail Development", \$2,269,000, thru 2020 -M.L. 2016, Subd. 09e "Mesabi Trail Segment from Highway 135 to Town of Embarrass", \$1,200,000, thru 6/30/2019 -M.L. 2015, Subd. 09i "Mesabi Trail Development Soudan to Ely - Phase II", \$1,000,000, thru 6/30/2018 -M.L. 2014, Subd. 07c "Mesabi Trail Development - Soudan to Ely Segment", \$1,000,000, completed 6/30/2017		
101	202-G	Minnesota State Trails - Development and Enhancement	MN DNR Skaar, Kent	Statewide	\$5,000,000	- \$2.5 million - \$2 million - \$2 million - \$2 million - Not regionally balanced; need projects in South and SW -Projects are ready to go -\$2 million -\$2 million	7.35	9	9	9 9	9	9	8 8	8	8 8	8 8	8	5	5 4	4 1	17 L	0		-Gateway State Trail – North St. Paul -Gitchi Gami State Trail – Tofte -Paul Bunyan State Trail – Bemidji -Gateway State Trail – St. Paul -Heartland State Trail – Cass County -Gitchi Gami State Trail – Silver Bay -Budget includes \$59,176 proposed for DNR Direct & Necessary expenses -M.L. 2017, Subd. 09d "Minnesota State Trails Acquisition, Development and Enhancement", \$1,038,000, thru 6/30/2020		
102	201-G	Local Parks, Trails and Natural Area Grants	MN DNR Mularie, Audrey	Statewide	\$3,000,000	- \$2 million not for ball fields - \$2 million - \$1 million -Cut to \$1.5 million -No athletic fields -\$1 million and no \$ for outdoor recreation grants	7.00	9	9	9 9	9	9	8 8	7	7 7	7	6	5	4	3 3	17	0		-25 Matching Grants -Budget includes \$6,907 proposed for DNR Direct & Necessary expenses -M.L. 2011, Subd. 04d "Regional Park, Trail and Connections Acquisition and Development Grants", \$2,000,000, completed 6/30/2013		
103	213-G	A Local-State-Federal Partnership Protects multiple public benefits on the Mississippi River	City of Baxter Doty, Josh	Regional	\$700,000	- Full funding - \$600k good river habitat -Full fund	6.94	9	9	9 9	9	8	8 8	8	7 7	7 5	5	5	5	4 3	3			-200 acres of fee title acquisition		
104	209-G	Superior Hiking Trail Enhancement Plan	Superior Hiking Trail Association Caneff, Denny	Regional	\$100,000	- Full funding	6.88	9	9	9 9	8	8	8 8	8	8 7	6	6	5	5	4 ()			-M.L. 1991, Subd. 03b "Superior Hiking Trail", \$400,000, completed -Past ENTRF Appropriation 1989 \$156,000 -Past ENTRF Appropriation 1987 \$380,000		

Line #	LCCMR ID#	Project Title	Organization Project Manager	Region of Impact	\$ Request	Member Notes [Compiled from all members. Notes from individual members are designated with dashes]	Average Score - Members that Scored	1 2	2 3	4	All N	Memb	per Sc	_				3 14	15	16 1	# Members that	# Members with	Conflict	Staff Notes	LCCMR Recommendation
105		Mississippi Blufflands State Trail - Red Wing Riverfront	City of Red Wing Owens, Jay	Regional	\$920,000	- \$600k - \$500k -\$500k	6.47	9 9	8	8	8 8	8 8	8	7	7	7 5	5 5	5	4	3 1			-Co tra -Se Wi	tate Trail Segment onstruction of 0.75 mile, 12 foot wide recreational ail segment ecured \$1,655,667 in other funding from City of Red ing General Fund and FHWA Scenic Byways Planning IV funding	
106		SNA Habitat Restoration, Public Engagement, and Strategic Acquisition	MN DNR Pierce, Ann	Statewide	\$6,760,000	- \$3.25 million - \$1 million - \$3 million -Cut to \$3 million -\$3 million -\$3 million	6.35	9 9	9	9	9 9	9 9	9	8	7	6 .	3	3	2	2 0	17	C	an on according to the control of th	imilar or identical to LSOHC proposal "DNR WMA and SNA Acquisition Phase X" for \$5,934,700 includes ally 25% for acquisition of SNA approximately 250 res ontinuation ee Title Acquisition of 700 acres and Restoration of 2000 acres udget includes \$144,265 proposed for DNR Direct & 2000 acres udget includes \$144,265 proposed for DNR Direct & 2000 acres udget includes \$144,265 proposed for DNR Direct & 2000 acres udget includes \$144,265 proposed for DNR Direct & 2000 acres of fee title acquisition and L. 2017, Subd. 09b "Scientific and Natural Areas 2000 acres of fee title acquisition and 2017 legislative session and 2017 legislative session and 2016, Subd. 09a "Scientific and Natural Area 2001 and Restoration", \$1,386,000, thru 2019 and Restoration, \$1,386,000, thru 2019 and Restoration, \$1,386,000, thru 2019 and \$1,2015, Subd. 09c "SNA Acquisition, Restoration, 2014, Subd. 07a "Scientific and Natural Area 2013 acquisition, Restoration, Improvement and Citizen 2014, Subd. 07a "Scientific and Natural Area 2013 acquisition, Restoration, Improvement and Citizen 2018 agagement", \$2,540,000, completed 6/30/2017	

‡ 0 1:-	LCCMR IR#	Project Title	Organization Project Manager	Region of Impact	\$ Request	Member Notes [Compiled from all members. Notes from individual members are designated with dashes]	Average Score - Members that Scored	1	2	3 4	All N	Memb	per Sco	ores - 9 1	- High	1 12	ow 13	14	15 16	6 17	# Members that Scored	# Members with Conflict	Staff Notes LCCMR Recommendation
10	7 203-0	G Private Native Prairie Conservation through Native Prairie Bank	MN DNR Schulte, Judy	Regional	\$2,477,000	- \$2.6 million - \$2,477,000 - \$2.5 million -At reduced requested amount \$2.5 -\$2.5 million -\$2.5 million	6.24	9 9	9 9	8	8 8	8 8	8	7 7	7 7	6	5	4	3 0	0	17	0	-Similar or identical to LSOHC proposal "Accelerated Native Prairie Bank Protection Phase VII" for \$8,000,000 -Continuation -Conservation Easements and Restoration -Budget includes \$300,000 for Conservation Easement Stewardship account -Budget includes \$30,000 for MNIT Services for Prairie Tax Exemption Database for county assessor access -Budget includes \$125,371 proposed for DNR Direct & Necessary expenses -\$4113 per acre for 600 acres of easements -\$1359 per acre for 870 acres of enhancement & restoration -M.L. 2017, Subd. 09e "Native Prairie Stewardship and Prairie Bank Easement Acquisition", \$2,657,000, thru 6/30/2020 reduced from \$3,500,000 in 2017 legislative session -M.L. 2015, Subd. 09d "Native Prairie Stewardship and Prairie Bank Easement Acquisition" = \$3,325,000, thru 6/30/2018 -M.L. 2013, Subd. 04c "Native Prairie Stewardship and Prairie Bank Easement Acquisition", \$750,000, completed 6/30/2016

1	LCCMR	# Project Title	Organization Project Manager	Region of Impact	\$ Request	Member Notes [Compiled from all members. Notes from individual members are designated with dashes]	Average Score - Members that Scored	1 2	2 3	4	All M	lembe	er Sco			to Low		15	16 17	# Members that Scored	# Members with Conflict	Staff Notes	LCCMR Recommendation
100	200	P-G Minnesota State Parks and State Trails Land Acquisition	MN DNR Christie, Jennifer	Statewide	\$5,000,000	- \$3 million - \$2 million - \$2.5 million -Looks like a land grab -\$2.5 million -\$2 million	5.88	9 9	6	9	9 9	9	8	7 7	6	5 2	2 1	1	0 0	17	0	-Continuation -Fee Title Acquisition of 163 acres -Tettegouche State Park 7 acres -Sibley State Park 16 acres -Minneopa State Park 80 acres -Goodhue-Pioneer State Trail 60 acres -M.L. 2017, Subd. 09c "Minnesota State Parks and State Trails Land Acquisition", \$1,500,000, thru 6/30/2020 -M.L. 2015, Subd. 09a "State Parks and State Trails Land Acquisitions", \$1,500,000, completed 6/30/2016 -M.L. 2013, Subd. 04a "State Parks and State Trails Land Acquisition", \$1,000,000, completed 6/30/2016 -M.L. 2011, Subd. 04b "State Parks and State Trails Land Acquisition", \$3,000,000, completed 6/30/2015 -M.L. 2010, Subd. 04d "State Park Land Acquisition", \$1,750,000, completed 6/30/2015	

Line #	LCCMR ID#	Project Title	Organization Project Manager	Region of Impact	\$ Request	Member Notes [Compiled from all members. Notes from individual members are designated with dashes]	Average Score - Members that Scored	1	2	3 4	Al 4 5	l Me	embe	er Sco	9 1	High			14	15	16		# Members that Scored	# Members with Conflict	Staff Notes LCCMR Recommendation
109	215-G	Prioritize and Target North-Central Minnesota Lakes for Protection	Crow Wing SWCD Barrick, Melissa	Regional		- \$1 million - Get a match first before funding -Needs some funding from locals. If Crow Wing doesn't want to provide \$- give reduced amount to Aitkin if they are willing to provide some local \$ -\$1 million -\$1 million and needs a match for the rest of the funds	5.71	9	9 3	8 8	7	7	7	7	6 6								17	0	-Conservation Easements -Crow Wing & Aitkin Soil and Water Conservation Districts -Permanently protect estimated 540 acres (\$2,407 per acre) -Budget includes \$4,300 for miscellaneous supplies -Budget includes \$117,000 for Easement Stewardship to BWSR -Budget includes BWSR Direct Support Services budget has no detailed information and generally these are ineligible expenses -M.L. 2016, Subd. 08f "Forest Management for Mississippi River Drinking Water Protection", \$300,000, thru 6/30/2019 -No accomplishments from current project to date
110	212-G	Swedish Immigrant Trail Segment within Interstate State Park	Chisago County Environmental Services Mork, Laird	Regional		-Want to see results of cultural assessment first	5.18	9	9 9	9 9	9	8	7	7	5 5	4	3	2	1	1	0	0	17	0	-Concern about putting a trail through a culturally sensitive area and a State Park -Budget includes Bridge Construction \$950,000 -Budget includes Trail Construction \$852,612 -Regional Trail through Interstate Park
11:	214-G	Mississippi Riverfront Redevelopment Project	City of Brainerd Thoreen, Jim	Regional	\$1,000,000	-Needs some local funding.	2.29	9	8 !	5 5	4	2	2	2	1 1	0	0	0	0	0	0	0	17	0	-Could be eligible for Local DNR Park Grant -Proposed phase 1 of the Mississippi Redevelopment Project -Planning, Design, Engineering only - no implementation -Budget includes \$70,000 for unknown allocation
11:	H. Ot	her (1 Proposals /	\$135,000)																						
11:	3	Contract Agreement Reimbursement	MN DNR [Sherman-Hoehn, Katherine]	Statewide	\$135,000																	0		0	-Continuation -Appropriation to the DNR for fiscal services as directed by the LCCMR for ENRTF contract management of nonstate appropriations -M.L. 2016, Subd 10a "Contract Agreement Reimbursement", \$135,000, thru 6/30/2018 -M.L. 2015, Subd. 11b "Contract Agreement Reimbursement", \$135,000 completed 6/30/2017 -M.L. 2014, Subd. 10a "Contract Agreement Reimbursement", \$135,000 completed 6/30/2016 -M.L. 2013, Subd 08b "Contract Management", \$135,000 completed 6/30/2015

2018 Allocations - Scoring Break Points

	# of	nis - Scotting Drea		
	Proposals	December Total		Domestica Tatal
Option	(between scores)	Running Total # of Proposals	\$ Amount	Running Total \$ Amount
Option	3001037	и от гторозаіз	y Amount	y Amount
8 and above	2	2	\$1,014,000	\$1,014,000
7.5 and above	0	2	\$0	\$1,014,000
7.25 and above	3	5	\$5,600,000	\$6,614,000
7 and above	4	9	\$3,823,000	\$10,437,000
6.75 and above	3	12	\$1,177,000	\$11,614,000
6.5 and above	3	15	\$5,076,000	\$16,690,000
6.25 and above	5	20	\$9,697,000	\$26,387,000
6 and above	6	26	\$7,020,000	\$33,407,000
5.75 and above	7	33	\$14,521,000	\$47,928,000
5.5 and Above	5	38	\$4,256,000	\$52,184,000
5.25 and above	12	50	\$6,026,000	\$58,210,000
5.0 and Above	10	60	\$9,686,000	\$67,896,000
4.75 and above	5	65	\$2,726,000	\$70,622,000
4.5 and Above	6	71	\$2,907,000	\$73,529,000
4.25 and above	6	77	\$3,121,000	\$76,650,000
4.0 and Above	4	81	\$15,998,000	\$92,648,000
TOTAL	81		\$92,648,000	