



Becca Nash, Director

MINUTES

Wednesday, July 18, 2018

8:45 a.m. – 5:30 p.m.

State Office Building, Room 10

St. Paul, MN 55155

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

Staff Present: B. Nash, M. Varien, D. Griffith, J. Menchikov (LCC)

Members Excused: Sen. Bill Ingebrigtsen

Members Absent:

Vice Co-Chair: Sen. David Tomassoni

Co-Chair Gibson started the meeting at 8:45 a.m.

1. Approve the minutes for June 26 and 27, 2018

Director Nash explained a correction in the minutes under Public Testimony by adding that Rick Heller is unofficially representing Twice Exceptional and Print disabled life long learners.

MOTION: Commissioner Faber moved to approve the corrected minutes for June 26 and 27, 2018 – motion prevailed.

Commissioner Heintzeman requested Agenda Item 12 be moved to after Agenda Item 3.

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

Members reported conflicts of interest for today's meeting as had been previously reported. Director Nash explained that previous conflict of interest statements received are in the packet (See Attachment #1).

3. Presentation and discussion – Anoka County-Waste Disposal Engineering Closed Landfill and Freeway Landfill, Burnsville

- **Kirk Koudelka, Assistant Commissioner, Minnesota Pollution Control Agency (MPCA)**
- **Kathy Sather, Remediation Division Director, MPCA**
- **Pat Hanson, Lead Engineer and Project Manager for Freeway cleanup, MPCA**
- **Mark Umholtz, Hydrologist for Freeway cleanup, MPCA**

Kirk Koudelka (MPCA) and Greta Gauthier (MPCA) provided an overview of the Anoka County-Waste Disposal Engineering Closed Landfill. Members discussed.

[59:50] Kirk Koudelka (MPCA) and Greta Gauthier (MPCA) provided an overview of the Freeway Landfill in Burnsville. Members discussed.

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MOTION [2:00:54]: Commissioner Heintzeman moved to have Agenda Item #12 after Agenda Item #3 – motion prevailed.

4. Decision: approval of work plan for M.L. 2018, Chp. 214, Art. 6, Sec. 4, Subd. 6(1), “Anoka County-Waste Disposal Engineering Closed Landfill,” MPCA

MOTION [2:05:50]: Commissioner Heintzeman moved to approve the work plan for M.L. 2018, Chp. 214, Art. 6, Sec. 4, Subd. 6(1), “Anoka County-Waste Disposal Engineering Closed Landfill, MPCA.

[2:17:55] Members discussed “performance bidding” and including the possibility of incineration as part of the plan. Pat Hanson (MPCA) answered member’s questions.

RENEWED MOTION [2:35:00]: Commissioner Heintzeman renewed his motion to move to approve the work plan for M.L. 2018, Chp. 214, Art. 6, Sec. 4, Subd. 6(1), “Anoka County-Waste Disposal Engineering Closed Landfill, MPCA – motion prevailed.

5. [2:41:15] Determine process for fulfilling legislative direction on Freeway Landfill

M.L. 2018 Subd. 21. Fiscal Year 2020 Recommendations: “For fiscal year 2020, the commission shall consider recommending funding for the Pollution Control Agency to clean up a closed landfill in Burnsville for the protection of the state’s air, water, land, fish, and wildlife from significant contamination. Any deadlines established by the commission for submission of proposals for the commission’s fiscal year 2020 recommendations are waived until July 15, 2018, for proposals authorized under this subdivision.”

Members discussed. No proposal to date had been received. No LCCMR action was taken.

6. [2:47:00] Presentation on the Board of Water and Soil Resources (BWSR) [Internal Controls and Compliance Audit](#) dated June 5, 2018 from the Office of Legislative Auditor (OLA)

- **Jim Nobles, Chris Buse and Tracy Gebhard, OLA**
- **John Jaschke and Angie Becker Kudelka, BWSR**

Chris Buse (OLA) and Tracy Gebhard (OLA) gave a presentation on the Audit on Internal Controls and Compliance Audit. Members discussed.

John Jaschke and Angie Becker Kudelka (BWSR) gave a presentation on the Audit on Internal Controls and Compliance Audit. Members discussed.

7. [3:37:00] Report back from Executive Committee

Commissioner Heintzeman reported back from Executive Committee and encouraged members to support their recommendation.

Director Nash provided overview of proposed administration budget.

MOTION: Commissioner Faber moved to approve the LCCMR Administration Budget for FY20-21 at \$1,400,000 – motion prevailed.

8. Working Lunch (lunches will be delivered)

Members recessed at 12:20 p.m. for lunch and reconvened at 12:50 p.m.

9. [3:45:00] Discussion with Minnesota Management and Budget (MMB) on M.L. 2018, Chp. 214, Art. 6, Sec. 4 “Special Appropriation Trust Fund Bonds and Appropriations”

- **Jen Hassemer, Assistant Commissioner, MMB**

Jen Hassemer (Assistant Commissioner) gave an overview of the Special Appropriations Bonds. Members discussed.

10. Public Testimony

[4:26:27] Elise Larson, Minnesota Center for Environmental Advocacy (MCEA).

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[4:29:17] Rick Heller (unofficially representing Twice Exceptional and Print disabled life long learners).

11. [4:32:23] Discussion and decision: [spending ENRTF funds](#) outside of Minnesota

Director Nash reviewed the memo in members' meeting packets. Members discussed.

12. [4:38:19] Continue Proposal Allocation Recommendations for the Environment and Natural Resources Trust Fund for FY20 (July 1, 2019)

Co-Chair Tomassoni asked staff to round down the dollar amounts for projects to the nearest one-thousand dollar; add the dollar amounts to the spreadsheet titled "ML 2019 Environment and Natural Resources Trust Fund Allocations (2019 RFP)" for the following: (1) ENRTF ID 273-J, Contract Agreement Reimbursement, DNR at \$135,000; (2) LCC Legacy Website Administration, LCC at \$2,700; and (3) LCCMR Administration, LCCMR at \$1,400,000. Members agreed.

Director Nash provided an overview of the additional information received regarding the 2018 proposals. Ms. Nash reported the amount available for spending in FY20 is \$61,387,000 subtracting \$7,840,000 FY20 Debt Service results in \$53,547,000 available for ML2019 Appropriation. Staff handed out the following three items:

1. Color coded Sheet titled "Environment and Natural Resources Trust Fund 2019 Proposals CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW". (See Attachment #2)
2. Spreadsheet titled "2019 Allocations - Scoring Break Points". (See Attachment #3)
3. Spreadsheet titled "2019 Environment and Natural Resources Trust Fund Proposals". (See Attachment #4)

All the following motions refer to the spreadsheet titled "2019 Environment and Natural Resources Trust Fund Proposals". (See Attachment #4)

MOTION [4:45:02]: Commissioner Heintzeman moved all proposals on the spreadsheet titled "2019 Environment and Natural Resources Trust Fund Proposals" that are ranked a 6.5 or above to be on the list for consideration at their dollar amount.

Chair Tomassoni suggested taking a 15 minute recess to review the handouts before starting discussions.

Members recessed at 2:00 p.m. and reconvened at 2:20 p.m.

AMENDMENT: Commissioner Young amended Commissioner Heintzeman's motion to move all proposals on the spreadsheet titled "2019 Environment and Natural Resources Trust Fund Proposals" that are ranked a 6.5 (mean) or above to be on the list for consideration at \$0 and all proposals in Category H (\$200,000 or less) that are ranked a 6.5 (mean) or above be included at their dollar amount – motion prevailed.

RENEWED MOTION: Commissioner Heintzeman renewed his motion as amended to move all proposals on the spreadsheet titled "2019 Environment and Natural Resources Trust Fund Proposals" that are ranked a 6.5 (mean) or above to be on the list for consideration at \$0 and all proposals in Category H (\$200,000 or less) that are ranked a 6.5 (mean) or above be included at their dollar amount.

Category H proposals are the following:

1. Line 4, ENRTF ID: 272-GH "Making the SHT's Big Bad Five Beautiful Again", Superior Hiking Trail Association at \$191,000;
2. Line 5, ENRTF ID: 106-BH "Citizen-Aided Carp Management: Overcoming Roadblocks to Lake Restoration", Carver County Water Management Organization (CCWMO) Public Services Division at \$106,000;
3. Line 7, ENRTF ID: 032-AH "Artificial Den Boxes for Fishers", U of MN – Duluth at \$190,000;
4. Line 8, ENRTF ID: 038-AH "Aquatic Habitats for Moose and Enhanced Lake Food webs", U of MN at \$199,000;

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5. Line 11, ENRTF ID: 190-EH "Sustainable Solar Energy from Agricultural Plant Byproducts", U of MN – Morris at \$185,000;
6. Line 13, ENRTF ID: 034-AH "Red-headed Woodpeckers: Indicators of Oak Savanna Health", U of MN at \$171,000;
7. Line 15, ENRTF ID: 274-J "Unlocking the Science of Minnesota's Moose Decline", Minnesota Zoo at \$199,000;
8. Line 18, ENRTF ID: 101-BH "Evaluating Locally-Sourced Sanding Materials for Road Salt Reduction", U of MN – Duluth at \$162,000;
9. Line 19, ENRTF ID: 102-BH "Minnesota Spring Inventory Final Phase", MN DNR at \$71,000;
10. Line 22, ENRTF ID: 173-DH "Oak Wilt Suppression at Northern Edge", Morrison Soil & Water Conservation District at \$100,000;
11. Line 27, ENRTF ID: 143-CH "Mississippi National River & Recreation Area Forest Restoration", Mississippi Park Connection at \$199,000; and
12. Line 34, ENRTF ID: 232-FH "Conservation and Monitoring of Minnesota's Rare Arctic Plants", U of MN – Duluth at \$135,000.
– motion prevailed.

[4:58:13] Commissioner Gibson asked if Commissioner Westrom was planning to deduct additional funds for Public Facilities Authority for wastewater treatment? Commissioner Westrom said he will have an estimated dollar amount later in the day.

Members (List 1) agreed to consider the following 2019 proposals starting at a zero dollar amount:

1. [5:22:22] Commissioner Tomassoni would like to consider Line 61, ENRTF ID: 265-G "Bailey Lake Trail and Fishing Pier, City of Virginia
2. [5:23:00] Commissioner Kessler would like to consider Line 41, ENRTF ID: 275-J "County Geologic Atlases - Part B", MN DNR
3. [5:23:55] Commissioner Moody would like to consider Line 38, ENRTF ID: 035-AH "Implementing Conservation Plans for Avian Species of Concern", Audubon Minnesota
4. [5:24:26] Commissioner Faber would like to consider Line 62, ENRTF ID: 213-F "Promoting and Restoring Oak Savanna Using Silvopasture", U of MN
5. [5:25:02] Commissioner Dziedzic would like to consider Line 63, ENRTF ID: 054-B "Improving Drinking Water for Minnesotans through Pollution Prevention", U of MN
6. [5:25:29] Commissioner Gibson would like to consider Line 78, ENRTF ID: 025-A "Mapping Habitat Use and Disease of Urban Carnivores", U of MN
7. [5:26:00] Commissioner Dahms would like to consider Line 70, ENRTF ID: 116-BH "Spring Biological Nitrate Removal to Protect Drinking Water", City of Fairmont
8. [5:26:41] Commissioner McNamara would like to consider Line 52, ENRTF ID: 202-F "Saving Endangered Pollinators through Data-Driven Prairie Restoration", Minnesota Zoo
9. [5:27:19] Commissioner Wagenius would like to consider Line 58, ENRTF ID: 048-B "Neonicotinoid Insecticides: Occurrence And Influence on Algal Blooms", U of MN
10. [5:27:45] Commissioner Ecklund would like to consider Line 67, ENRTF ID: 271-G "Crane Lake to Vermilion Falls Trail", Voyageur Country ATV
11. [5:28:08] Commissioner Reese would like to consider Line 42, ENRTF ID: 225-F "Sauk River Dam Removal and Rock Rapids Replacement", City of Melrose
12. [5:29:08] Commissioner Westrom would like to consider Line 93, ENRTF ID: 176-E "Development of Clean Energy Storage Systems for Farms", U of MN - WCROC
13. [5:30:33] Commissioner Hoppe would like to consider Line 40, ENRTF ID: 257-G "Preserving the Avon Hills with Reverse-Bidding Easements", Saint Johns University
14. [5:31:16] Commissioner Heintzeman would like to consider Line 99, ENRTF ID: 027-A "Accelerated Aggregate Resource Mapping", MN DNR

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15. [5:31:26] Commissioner Young would like to consider Line 48, ENRTF ID: 002-A “Minnesota Geological Survey Geologic Atlases for Water Resource Management”, U of MN – MN Geological Survey
16. [5:32:16] Commissioner Dahms for Sen. Ingebrigtsen would like to consider Line 49, ENRTF ID: 269-G “Glacial Edge Trail and Downtown Pedestrian Bridge” City of Fergus Falls

Members (List 2) reviewed the remaining 2019 proposals and agreed to consider the following 2019 proposals:

1. [5:45:23] Commissioner Wagenius would like to consider Line 45, ENRTF ID: 049-B “Benign Design: Environmental Studies Leading to Sustainable Pharmaceuticals”, U of MN at \$415,000
2. [5:47:05] Commissioner Moody would like to consider Line 68, ENRTF ID: 100-BH “Repurposing Unprofitable Cropland: Water and Wildlife’s Silver Bullet?”, Science Museum of Minnesota, St. Croix Watershed Research Station at \$100,000
3. [5:49:27] Commissioner Faber would like to consider Line 47, ENRTF ID: 016-A “Spruce Grouse: Sentinels for Boreal Forest Connectivity”, U of MN The Raptor Center at \$350,000
4. [5:50:00] Commissioner Dahms would like to consider Line 72, ENRTF ID: 072-B “Accelerating Perennial Crop Production to Prevent Nitrate Leaching”, Stearns County Soil and Water Conservation District at \$440,000
5. [5:55:21] Commissioner Reese would like to consider Line 100, ENRTF ID: 046-AH “Improving Statewide GIS Data by Restoring the PLS”, Minnesota Association of County Surveyors Grant County at \$135,000
6. [5:56:12] Commissioner Gibson would like to consider Line 76, ENRTF ID: 124-C “Connecting Over 11,000 Students to the Boundary Waters”, Friends of the Boundary Waters Wilderness at \$450,000
7. [5:56:37] Commissioner Ecklund would like to consider Line 87, ENRTF ID: 264-G “Birch Lake Recreation Area Campground”, City of Babbitt at \$350,000
8. [5:57:13] Commissioner Westrom would like to consider Line 59, ENRTF ID: 196-EH “Modeling Energy and Environmental Roadmaps for Minnesota Communities”, City of Morris Administration at \$150,000

MOTION [6:00:11]: Commissioner Wagenius moved Line 14, ENRTF ID: 249-G “Minnesota State Parks and State Trails In-Holdings”, MN DNR at \$2,000,000 – motion prevailed.

MOTION [6:01:05]: Commissioner Dahms moved Line 1, ENRTF ID: 248-G “Grants for Local Parks, Trails and Natural Areas”, MN DNR at \$1,500,000.

AMENDMENT: Commissioner Moody amended Commissioner Dahms moved Line 1, ENRTF ID: 248-G “Grants for Local Parks, Trails and Natural Areas”, MN DNR at \$2,000,000. Commissioner Dahms accepted.

Members continued discussion and agreed to recommend ENRTF ID: 248-G “Grants for Local Parks, Trails and Natural Areas”, MN DNR at \$3,000,000.

RENEWED MOTION: Commissioner Dahms renewed his motion to move Line 1, ENRTF ID: 248-G “Grants for Local Parks, Trails and Natural Areas”, MN DNR at \$3,000,000 – motion prevailed.

MOTION [6:07:15]: Commissioner McNamara moved Line 2, ENRTF ID: 266-G “Vergas Long Lake Trail”, City of Vergas at \$290,000 – motion prevailed.

MOTION [6:07:57]: Commissioner Gibson moved Line 3, ENRTF ID: 018-A “Next Step in Helping Minnesota’s Moose: Understand Brain worm Transmission to Find Solutions”, U of MN at \$400,000 – motion prevailed.

MOTION [6:08:34]: Commissioner Dziedzic moved Line 6, ENRTF ID: 251-G “Minnesota State Trails Development”, MN DNR at \$8,000,000.

AMENDMENT: Commissioner Westrom amended Commissioner Dziedzic motion to move Line 6, ENRTF ID: 251-G “Minnesota State Trails Development”, MN DNR at \$4,350,000. Members continued discussions. Commissioner Moody suggested recommending \$5,000,000. Members agreed.

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- RENEWED MOTION: Commissioner Dziejdzic renewed her motion as amended to move Line 6, ENRTF ID: 251-G “Minnesota State Trails Development”, MN DNR at \$5,000,000 – motion prevailed.
- MOTION [6:11:28]: Commissioner Faber moved Line 9, ENRTF ID: 122-C “Camp Sunrise: Respect Self, Others and the Environment”, Youthcare MN at \$237,000 – motion prevailed.
- MOTION [6:12:07]: Commissioner Ecklund moved Line 10, ENRTF ID: 256-G “Britton Peak to Lutsen Mountains Mountain Bike Trail”, Superior Cycling Association at \$300,000 – motion prevailed.
- MOTION [6:12:34]: Commissioner Gibson moved Line 12, ENRTF ID: 003-A “Restoring Native Mussels in Streams and Lakes”, MN DNR at \$500,000 – motion prevailed.
- MOTION [6:14:13]: Commissioner Faber moved Line 16, ENRTF ID: 160-D “Building Knowledge and Capacity to Solve AIS Problems”, U of MN – MAISRC at \$3,000,000 – motion prevailed.
- MOTION [6:19:48]: Commissioner Gibson moved Line 17, ENRTF ID: 005-A “Mercury and PFAS Risk to Minnesota Raptors”, Hawk Ridge Bird Observatory at \$250,000 – motion prevailed.
- MOTION [06:20:28]: Commissioner Reese moved Line 20, ENRTF ID: 076-B “Farm-Ready Cover Crops for Protecting Water Quality”, Central Lakes College at \$700,000.
- AMENDMENT: Commissioner Heintzeman amended Commissioner Reese’s motion to move Line 20, ENRTF ID: 076-B “Farm-Ready Cover Crops for Protecting Water Quality”, Central Lakes College at \$741,000. Commissioner Reese accepted.
- RENEWED MOTION: Commissioner Reese renewed his motion as amended to move Line 20, ENRTF ID: 076-B “Farm-Ready Cover Crops for Protecting Water Quality”, Central Lakes College at \$741,000 – motion prevailed.
- MOTION [6:21:19]: Commissioner Gibson moved Line 21, ENRTF ID: 252-G “National Loon Center: State Bird Survival and Protection”, National Loon Center Foundation at \$2,000,000.
- AMENDMENT: Commissioner Heintzeman amended Commissioner Gibson’s motion to move Line 21, ENRTF ID: 252-G “National Loon Center: State Bird Survival and Protection”, National Loon Center Foundation at \$4,000,000 in order to secure federal funding – amendment prevailed (8 Yes / 7 No).
- RENEWED MOTION: Commissioner Gibson renewed her motion as amended to move Line 21, ENRTF ID: 252-G “National Loon Center: State Bird Survival and Protection”, National Loon Center Foundation at \$4,000,000 in order to secure federal funding – motion prevailed.
- MOTION [6:23:54]: Commissioner Young moved Line 23, ENRTF ID: 077-B “Setting Realistic Nitrate BMP Goals in Southeast Minnesota”, U of MN at \$400,000.
- AMENDMENT: Commissioner Westrom amended Commissioner Young’s motion to move Line 23, ENRTF ID: 077-B “Setting Realistic Nitrate BMP Goals in Southeast Minnesota”, U of MN at \$350,000. Commissioner Young accepted.
- RENEWED MOTION: Commissioner Young renewed her motion as amended to move Line 23, ENRTF ID: 077-B “Setting Realistic Nitrate BMP Goals in Southeast Minnesota”, U of MN at \$350,000 – motion prevailed.
- MOTION [6:24:52]: Commissioner Westrom moved Line 24, ENRTF ID: 052-B “Outstate Wastewater: Improving Nitrogen Removal in Treatment Ponds”, U of MN at \$325,000 – motion prevailed.
- MOTION [6:25:29]: Commissioner Gibson moved Line 25, ENRTF ID: 053-B “Stimulating Bacteria to Degrade Chlorinated Industrial Contaminants”, U of MN at \$150,000 – motion prevailed.
- MOTION [6:25:49]: Chair Tomassoni moved Line 26, ENRTF ID: 055-B “Protecting Minnesota Waters by Removing Contaminants from Wastewater”, U of MN at \$250,000 – motion prevailed.
- MOTION [6:26:14]: Commissioner Gibson moved Line 28, ENRTF ID: 247-G “DNR Scientific and Natural Areas”, MN DNR at \$3,500,000 – motion prevailed.

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- MOTION [6:28:52]: Commissioner Faber moved Line 29, ENRTF ID: 050-B “Wastewater Nutrient Reduction through Industrial Source Reduction Assistance”, U of MN at \$200,000 – motion prevailed.
- MOTION [6:29:21]: Commissioner Kessler moved Line 30, ENRTF ID: 062-B “Phytoremediation for Extracting Deicing Salt from Roadside Soils”, U of MN at \$200,000 – motion prevailed.
- MOTION [6:30:00]: Commissioner Westrom moved Line 31, ENRTF ID: 001-A “Minnesota Biological Survey – Continuation”, MN DNR at \$1,500,000 – motion prevailed (8 yes / 7 no).
- MOTION [6:30:30]: Commissioner McNamara moved Line 32, ENRTF ID: 014-A “Minnesota Trumpeter Swan Migration Ecology and Conservation, U of MN at \$0 with the agreement to discuss again later in the day – motion prevailed.
- MOTION [6:33:00]: Chair Tomassoni moved Line 33, ENRTF ID: 254-G “Mesabi Trail Extensions”, St. Louis and Lake Counties Regional Railroad Authority at \$3,000,000 – motion prevailed.
- MOTION [6:33:30]: Chair Tomassoni moved Line 35, ENRTF ID: 051-B “Quantifying Micro plastics in Minnesota's Inland Aquatic Ecosystems”, U of MN – Duluth at \$200,000 – motion prevailed.
- MOTION [6:33:45]: Commissioner Westrom moved Line 36, ENRTF ID: 064-B “Transformation of Plastic Waste into a Valued Resource”, U of MN at \$225,000 – motion prevailed.
- MOTION [6:34:12]: Commissioner Moody moved Line 37, ENRTF ID: 186-E “White Earth Nation Community Solar for Community Action”, Rural Renewable Energy Alliance at \$500,000 – motion prevailed.
- Members discussed amounts to recommend for List #1.
- MOTION [6:41:03]: Commissioner Hoppe moved Line 38, ENRTF ID: 035-AH “Implementing Conservation Plans for Avian Species of Concern”, Audubon Minnesota at \$124,000 – motion prevailed.
- MOTION [6:41:57]: Commissioner Hoppe moved Line 40, ENRTF ID: 257-G “Preserving the Avon Hills with Reverse-Bidding Easements”, MN DNR at \$1,600,000 – motion prevailed.
- MOTION [6:42:30]: Commissioner Kessler moved Line 41, ENRTF ID: 275-J “County Geologic Atlases - Part B”, MN DNR at \$0. Members will return to discussing at the end.
- MOTION [6:43:18]: Commissioner Westrom moved Line 42, ENRTF ID: 225-F “Sauk River Dam Removal and Rock Rapids Replacement”, City of Melrose at \$2,250,000.
- AMENDMENT: Commissioner Reese moved to amend Commissioner Westrom’s motion to move Line 42, ENRTF ID: 225-F “Sauk River Dam Removal and Rock Rapids Replacement”, City of Melrose at \$2,768,000 and to secure local match of \$700,000 – amendment prevailed.
- Michael Brethorst from City of Melrose answered members question.
- RENEWED MOTION: Commissioner Westrom renewed his motion as amended to move Line 42, ENRTF ID: 225-F “Sauk River Dam Removal and Rock Rapids Replacement”, City of Melrose at \$2,768,000 and to secure local match of \$700,000 – motion prevailed.
- MOTION [6:45:55]: Commissioner Young moved Line 48, ENRTF ID: 002-A “Minnesota Geological Survey Geologic Atlases for Water Resource Management”, U of MN - MN Geological Survey at \$2,000,000 – motion prevailed.
- MOTION [6:47:09]: Commissioner Dahms moved Line 49, ENRTF ID: 269-G “Glacial Edge Trail and Downtown Pedestrian Bridge”, City of Fergus Falls at \$600,000 – motion prevailed.
- MOTION [6:47:28]: Commissioner McNamara moved Line 52, ENRTF ID: 202-F “Saving Endangered Pollinators through Data-Driven Prairie Restoration”, Minnesota Zoo at \$800,000 – motion prevailed.
- MOTION [6:48:04]: Commissioner Wagenius moved Line 58, ENRTF ID: 048-B “Neonicotinoid Insecticides: Occurrence And Influence on Algal Blooms”, U of MN at \$350,000 – motion prevailed.

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MOTION [6:48:53]: Chair Tomassoni moved Line 61, ENRTF ID: 265-G “Bailey Lake Trail and Fishing Pier”, City of Virginia at \$550,000 – motion prevailed.

MOTION [6:49:27]: Commissioner Faber moved Line 62, ENRTF ID: 213-F “Promoting and Restoring Oak Savanna Using Silvopasture”, U of MN at \$750,000 – motion prevailed.

MOTION [6:49:44]: Commissioner Wagenius moved Line 63, ENRTF ID: 054-B “Improving Drinking Water for Minnesotans through Pollution Prevention”, U of MN at \$345,000 – motion prevailed.

MOTION [6:50:34]: Commissioner Ecklund moved Line 67, ENRTF ID: 271-G “Crane Lake to Vermilion Falls Trail”, Voyageur Country ATV at \$400,000 – motion prevailed.

MOTION [6:51:15]: Commissioner Dahms moved Line 70, ENRTF ID: 116-BH “Spring Biological Nitrate Removal to Protect Drinking Water”, City of Fairmont at \$175,000 – motion prevailed.

MOTION [6:51:33]: Commissioner Gibson moved Line 78, ENRTF ID: 025-A “Mapping Habitat Use and Disease of Urban Carnivores”, U of MN at \$500,000 – motion prevailed.

MOTION [6:54:31]: Commissioner Westrom moved Line 93, ENRTF ID: 176-E “Development of Clean Energy Storage Systems for Farms”, U of MN – WCROC at \$650,000 – motion prevailed. Commissioner Reese abstained.

MOTION [6:55:37]: Commissioner Heintzeman moved Line 99, ENRTF ID: 027-A “Accelerated Aggregate Resource Mapping”, MN DNR at \$700,000 – motion prevailed.

Members returned to Line 41, ENRTF ID: 275-J “County Geologic Atlases - Part B”, MN DNR.

MOTION [6:57:08]: Commissioner Kessler moved Line 41, ENRTF ID: 275-J “County Geologic Atlases - Part B”, MN DNR at \$2,400,000 – motion prevailed.

Members agreed to add the following to List #2 for consideration:

1. [7:03:54] Commissioner McNamara would like to consider Line 54, ENRTF ID: 253-G “Accessible Fishing Piers”, MN DNR at \$320,000
2. [7:05:05] Chair Tomassoni would like to consider Line 80, ENRTF ID: 058-B “Reducing Municipal Wastewater Mercury Pollution to Lake Superior”, Minnesota Pollution Control Agency at \$250,000
3. [7:06:19] Commissioner Kessler would like to consider adding \$160,000 to Line 30, ENRTF ID: 062-B “Phytoremediation for Extracting Deicing Salt from Roadside Soils”, U of MN.

MOTION [7:07:53]: Commissioner Gibson moved to add \$50,000 to Line 76, ENRTF ID: 124-C “Connecting Over 11,000 Students to the Boundary Waters”, Friends of the Boundary Waters Wilderness– motion did not prevail.

MOTION [7:08:35]: Commissioner Moody moved to add \$25,000 to Line 68, ENRTF ID: 100-BH “Repurposing Unprofitable Cropland: Water and Wildlife’s Silver Bullet?”, Science Museum of Minnesota, St. Croix Watershed Research Station– motion did not prevail.

Members agreed to add the following 2019 proposals (List #2 as amended) to the spreadsheet titled “ML2019 LCCMR Recommendations Allocations Summary Spreadsheet” at the dollar amount listed:

1. Line 45, ENRTF ID: 049-B “Benign Design: Environmental Studies Leading to Sustainable Pharmaceuticals”, U of MN at \$415,000
2. Line 68, ENRTF ID: 100-BH “Repurposing Unprofitable Cropland: Water and Wildlife’s Silver Bullet?”, Science Museum of Minnesota, St. Croix Watershed Research Station at \$100,000
3. Line 47, ENRTF ID: 016-A “Spruce Grouse: Sentinels for Boreal Forest Connectivity”, U of MN The Raptor Center at \$350,000
4. Line 72, ENRTF ID: 072-B “Accelerating Perennial Crop Production to Prevent Nitrate Leaching”, Stearns County Soil and Water Conservation District at \$440,000

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5. Line 100, ENRTF ID: 046-AH "Improving Statewide GIS Data by Restoring the PLS", Minnesota Association of County Surveyors Grant County at \$135,000
6. Line 76, ENRTF ID: 124-C "Connecting Over 11,000 Students to the Boundary Waters", Friends of the Boundary Waters Wilderness at \$450,000
7. Line 87, ENRTF ID: 264-G "Birch Lake Recreation Area Campground", City of Babbitt at \$350,000
8. Line 59, ENRTF ID: 196-EH "Modeling Energy and Environmental Roadmaps for Minnesota Communities", City of Morris Administration at \$150,000
9. Line 54, ENRTF ID: 253-G "Accessible Fishing Piers", MN DNR at \$320,000
10. Line 80, ENRTF ID: 058-B "Reducing Municipal Wastewater Mercury Pollution to Lake Superior", Minnesota Pollution Control Agency at \$250,000
11. Add \$160,000 to Line 30, ENRTF ID: 062-B "Phytoremediation for Extracting Deicing Salt from Roadside Soils", U of MN.

MOTION [7:13:45]: Commissioner Westrom moved Public Facilities Authority (PFA) at \$2,000,000; Line 32, ENRTF ID: 014-A "Minnesota Trumpeter Swan Migration Ecology and Conservation, U of MN at \$250,000; and the remaining will go into an Emerging Issues Account.

Members agreed to split the motion.

MOTION [7:23:52]: Commissioner Westrom moved Public Facilities Authority (PFA) at \$2,000,000 – motion prevailed.

MOTION [7:24:20]: Commissioner Westrom moved Line 32, ENRTF ID: 014-A "Minnesota Trumpeter Swan Migration Ecology and Conservation, U of MN at \$250,000 – motion prevailed.

AMENDMENT: Commissioner Faber amended Commissioner Westrom motion to move Line 32, ENRTF ID: 014-A "Minnesota Trumpeter Swan Migration Ecology and Conservation, U of MN at \$300,000. Commissioner Westrom accepted.

RENEWED MOTION: Commissioner Westrom renewed his motion as amended to move Line 32, ENRTF ID: 014-A "Minnesota Trumpeter Swan Migration Ecology and Conservation, U of MN at \$300,000 – motion prevailed.

MOTION [7:25:35]: Commissioner McNamara moved to approve the ML2019 LCCMR Recommendations Allocations Summary Spreadsheet for the Environment and Natural Resources Trust Fund (ENRTF); with caveat to allow staff to make technical changes as needed and will setup a meeting with DNR regarding DNR proposals– motion prevailed (unanimous voice vote – 15 members present).

13. Adjourn

The meeting adjourned at 5:00 p.m.

Draft

**2019 Conflict of Interest (FY20)
For Projects Selected to Present**

ENRTF ID	Title/Organization	Commission Member
173-DH	Oak Wilt Suppression at Northern Edge, Morrison Soil & Water Conservation District	Bill Faber
176-E	Development of Clean Energy Storage Systems for Farms, U of MN - WCROC	Michael Reese
182-E	Optimization of a Net-Zero Dairy System, U of MN - WCROC	Michael Reese
192-EH	Showcasing Carbon-Neutral, Energy-Positive Transformation of an Occupied House, U of MN	Nicole Kessler
196-EH	Modeling Energy and Environmental Roadmaps for Minnesota Communities, City of Morris	Michael Reese

Environment and Natural Resources Trust Fund 2019 Proposals
CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW

Line #	LCCMR ID #	Project Title	\$ Request	Organization	Project Manager	Member Notes	Average Score - Members that Scored	All Member Scores - High to Low																	# Members that Scored	# Members with Conflict	Staff Notes
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			
A. Foundational Natural Resource Data and Information (SELECTED TO PRESENT: 17 Proposals / Subtotal = \$15,768,908)																											
5	018-A	Next Step in Helping Minnesota's Moose: Understand Brain worm Transmission to Find Solutions	\$ 434,186	U of MN	Wolf, Tiffany	- \$400K - \$400K - This is a research gap - Appears needed - \$400k - removes funding for out of state travel	8.13	10	10	9	9	9	9	9	9	9	9	8	8	7	6	6	4	15	0	-Out of state travel expenses- need add'l info	
6	003-A	Restoring Native Mussels in Streams and Lakes	\$ 735,981	MN DNR	Davis, Mike	- \$700K - \$700K - \$700K - \$500K - Expensive	7.47	10	10	10	10	10	10	10	9	9	9	8	7	7	5	2	1	0	17	0	-DNR direct and necessary expenses
7	005-A	Mercury and PFAS Risk to Minnesota Raptors	\$ 282,093	Hawk Ridge Bird Observatory	Etterson, Matthew	- Full Funding - Full Funding - Full Funding - Good project \$150K	7.29	10	10	10	10	10	10	8	7	7	7	7	6	6	6	4	3	3	17	0	
8	001-A	Minnesota Biological Survey – Continuation	\$ 2,987,000	MN DNR	Carlson, Bruce	- \$2M - \$1.5M - \$2M - \$2M - \$2M - \$1.5 - Too Expensive, not convinced of long-term value. - Data update is a concern - \$ available to maintain and how to move towards DNR budget	6.67	10	10	10	9	9	9	8	8	8	7	6	4	2	0	0	15	0	-DNR direct and necessary expenses -Possible reinvestment of revenue from book sales		
9	014-A	Minnesota Trumpeter Swan Migration Ecology and Conservation	\$ 414,372	U of MN	Andersen, David	- \$400K - \$400K - \$300K - Needed data	6.60	10	10	9	9	9	9	8	7	7	7	4	4	3	2	1	15	0	-Cell phone and data fees- need add'l info		
10	010-A	A Better System for Wetland Inventory Data Stewardship	\$ 291,000	MN DNR	Kloiber, Steve	- \$250K - \$250K - \$250K - Full Funding - Not necessary. Reasonable cost and not so expensive like others. - Committed to ongoing maintenance and data - Validation "check" - Good Project	6.33	10	10	9	9	8	7	7	7	7	6	5	5	5	0	0	15	0			
11	016-A	Spruce Grouse: Sentinels for Boreal Forest Connectivity	\$ 361,630	U of MN The Raptor Center	Ponder, Julia	- \$350K - \$350K - \$250K - Concerned they may go against logging industry	6.20	10	10	10	9	8	7	7	7	5	5	5	5	2	2	1	15	0			

Environment and Natural Resources Trust Fund 2019 Proposals
CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW

Line #	LCCMR ID #	Project Title	\$ Request	Organization	Project Manager	Member Notes	Average Score - Members that Scored	All Member Scores - High to Low																	# Members that Scored	# Members with Conflict	Staff Notes	
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17				
12	002-A	Minnesota Geological Survey Geologic Atlases for Water Resource Management	\$ 4,121,625	U of MN - MN Geological Survey	Lusardi, Barbara	-\$3M -\$2M -\$3.5M -\$3M -\$3M -Extremely expensive. These maps become outdated and then they have to do this again. DNR use to fund this, but now LCCMR has become the main repeated source with no real end in sight. -Consider additional \$'s and partners -Economic benefits? -Outstanding and needed	6.18	10	10	10	9	9	9	9	9	9	9	8	6	5	2	0	0	0	0	17	0	
13	015-A	Minnesota's Imperiled Bats - Protecting the Survivors	\$ 208,331	MN DNR	Nordquist, Gerda	-\$200K -\$200K -\$200K -\$200K -White nose syndrome needs science -Not convinced it isn't just a natural cycle	6.13	10	10	10	9	7	7	7	7	7	7	6	3	2	0	0	0	0	15	0	-DNR direct and necessary expenses	
14	008-A	Phase-II: Enhancing Understanding of the Minnesota River Ecosystem	\$ 598,241	MN DNR	Sindt, Tony	-\$400K -\$400K -\$400K -\$200K -Add invertebrates -Why not invertebrates	6.00	10	9	8	8	8	7	7	7	7	6	5	3	3	2	0	0	0	15	0	-DNR direct and necessary expenses	
15	007-A	Wild Bee Surveys in Minnesota's Forest Habitats	\$ 636,044	MN DNR	Nordquist, Gerda	-Expensive! Why don't they do this with the prior Biological Survey they Presented Doubling Up	5.41	10	10	9	7	7	6	6	6	6	6	5	4	4	4	2	0	0	17	0	-DNR direct and necessary expenses	
16	006-A	Optimizing Minnesota's Forest Products and Ecosystem Services	\$ 789,649	U of MN - Duluth	Johnson, Lucinda	-What is the urgency? -Where is industry? -\$100K	5.18	10	10	7	7	7	6	6	6	5	4	4	4	4	4	3	1	0	17	0		
17	004-A	Minnesota's Ecological Monitoring Network - Continuation	\$ 696,004	MN DNR	Texler, Hannah	-\$500K -\$500K -\$250K -Add pollinators -Expensive and question the real value -How does this relate to MBS work -How is this not DNR standard work	5.13	10	9	8	7	7	7	6	6	6	5	2	2	2	0	0	0	0	15	0	-DNR direct and necessary expenses	
18	025-A	Mapping Habitat Use and Disease of Urban Carnivores	\$ 657,159	U of MN	McCann, Nicholas	-Full Funding -Full Funding	4.94	10	10	10	10	10	10	8	5	3	2	2	2	1	1	0	0	0	17	0		
19	021-A	Grasslands, Grazing, and Greater Prairie-chickens: Testing Trade-offs	\$ 392,065	MN DNR	Roy, Charlotte	-\$300K -\$300K -\$150K	4.93	9	8	7	7	6	5	5	5	4	4	4	3	3	2	2	0	0	15	0	-DNR direct and necessary expenses	
20	027-A	Accelerated Aggregate Resource Mapping	\$ 1,380,979	MN DNR	Arends, Heather	-Building roads hardly fits mission of preserve, protect and enhance natural resource	4.06	10	10	10	10	8	6	6	3	1	1	0	0	0	0	0	0	0	16	0	-DNR proposed direct and necessary expenses	
21	012-A	Conserving Lake Trout in Minnesota	\$ 782,549	U of MN - Duluth	Reavie, Euan	-Helpful if it helps expand fishing in MN -Not convinced about the ROI	3.87	7	7	6	6	5	5	5	4	3	3	2	2	2	1	0	0	0	15	0	-Purchase of computers and storage-need add'l info	
22		A. Subtotal	\$ 15,768,908																									
23		A. Foundational Natural Resource Data and Information																										

Environment and Natural Resources Trust Fund 2019 Proposals
CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW

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								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			
24	H. Proposals seeking \$200,000 or less in funding (SELECTED TO PRESENT: 10 Proposals / Subtotal = \$1,770,652)																										
25	032-AH	Artificial Den Boxes for Fishers	\$ 190,000	U of MN -Duluth	Moen, Ron	-Full Funding -Full Funding -\$150K -[Den boxes for Fishers] Good valued price to try and see how this can help.	7.71	10	10	10	10	10	9	9	8	8	8	8	7	7	6	5	4	2	17	0	
26	038-AH	Aquatic Habitats for Moose and Enhanced Lake Food webs	\$ 199,600	U of MN	Bump, Joseph	-Full Funding -Full Funding -\$100K -Good Price	7.67	10	10	9	9	9	9	8	8	8	7	7	6	6	6	3			15	0	-Capital equipment: Sonde \$17k
27	034-AH	Red-headed Woodpeckers: Indicators of Oak Savanna Health	\$ 171,000	U of MN	Andersen, David	-Full Funding -Full Funding -Full Funding -Is this one staff is looking into? It looks like her fellowship is at an out of state school, but located at the UMN. (staff response: correct, we are looking into this)	7.47	10	10	10	9	9	8	8	8	7	6	6	6	6	5	4			15	0	-Out of state personnel expenses- need add'l info
28	035-AH	Implementing Conservation Plans for Avian Species of Concern	\$ 124,500	Audubon Minnesota	Hall, Kristin	-Full Funding -Full Funding -\$50K -Good price	6.47	10	10	10	9	9	7	7	6	6	5	4	4	4	3	3			15	0	
29	039-AH	Foundational Ecological Information for Tribal Fire Management	\$ 182,860	U of MN	Kipfmueller, Kurt	-\$100K	4.86	8	7	7	7	6	5	5	5	4	3	3	3	3	2			14	0		
30	029-AH	Protecting Minnesota's Cold-Water Fish into the Future	\$ 168,760	USGS	Smith, Erik		4.67	9	8	8	7	6	6	4	4	4	3	3	2	2	2	2			15	0	-DNR proposed direct and necessary expenses
31	030-AH	City Bats and Country Bats - What's the difference?	\$ 200,000	U of MN	Moen, Ron	-Full Funding -\$100K -Not convinced of real value. -Complements 015A	4.67	9	8	7	6	5	5	5	5	5	5	4	3	3	0	0			15	0	
32	031-AH	Walleye Habitat Status to Guide and Prioritize Management	\$ 198,784	MN DNR	Hansen, Gretchen	-Game and fish fund? -Good Price at 198,000 we need more walleyes so good project -\$100K	4.40	10	8	8	7	6	5	4	4	4	3	2	2	2	1	0			15	0	-Conference expenses- need add'l info
33	046-AH	Improving Statewide GIS Data by Restoring the PLS	\$ 135,250	Minnesota Association of County Surveyors Grant County	Veraguth, Patrick	-What???	4.06	10	10	10	10	9	7	5	4	2	1	1	0	0	0	0	0	0	17	0	
34	028-AH	Minnesota Restoration Mapping and Pollinator Protection	\$ 199,898	Minnesota Board of Water and Soil Resources	Shaw, Dan	-\$21,000,000 from LCCMR and they haven't mapped pollinators??? -Question real value and need	3.33	9	8	7	6	6	4	4	2	2	2	0	0	0	0	0			15	0	
35		AH. Subtotal	\$ 1,770,652																								

Environment and Natural Resources Trust Fund 2019 Proposals
CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW

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								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			
36	B. Water Resources (SELECTED TO PRESENT: 21 Proposals / Subtotal = \$7,882,509)																										
37	076-B	Farm-Ready Cover Crops for Protecting Water Quality	\$ 741,184	Central Lakes College	Olander, Keith	-Full Funding -\$350K?	7.18	10	10	10	10	10	9	9	8	7	7	7	6	5	5	5	3	1	17	0	
38	077-B	Setting Realistic Nitrate BMP Goals in Southeast Minnesota	\$ 444,000	U of MN	Nieber, John	-\$400K -\$400K -Good to help develop 3 crops in two years plus grazing options -Great project and necessary and practical	7.07	10	9	9	9	9	9	9	8	8	8	6	6	5	1	0			15	0	
39	052-B	Outstate Wastewater: Improving Nitrogen Removal in Treatment Ponds	\$ 402,033	U of MN	Novak, Paige	-Good purpose	7.00	10	10	9	9	8	8	8	8	7	7	7	6	4	2	2			15	0	
40	053-B	Stimulating Bacteria to Degrade Chlorinated Industrial Contaminants	\$ 252,884	U of MN	Novak, Paige	-\$250K -\$150K -Full Funding	7.00	10	10	9	9	9	9	8	7	7	7	6	5	5	2	2			15	0	
41	055-B	Protecting Minnesota Waters by Removing Contaminants from Wastewater	\$ 345,877	U of MN	Simcik, Matt	-\$300K -\$300K	6.87	9	9	8	8	7	7	7	7	7	7	7	6	5	2			15	0	-Potential Patent	
42	050-B	Wastewater Nutrient Reduction through Industrial Source Reduction Assistance	\$ 278,000	U of MN	Babcock, Laura	-\$200K -\$200K -Full Funding -Good for small towns Benefits for people/companies to change -Address source reduction	6.80	10	10	8	8	8	8	8	7	7	7	5	5	5	4	2			15	0	
43	062-B	Phytoremediation for Extracting Deicing Salt from Roadside Soils	\$ 360,231	U of MN	Hu, Bo	-Full Funding -Full Funding -Full Funding -Need to add gravel roads	6.71	10	10	10	10	10	8	8	8	8	6	6	5	5	3	3	2	2	17	0	
44	051-B	Quantifying Micro plastics in Minnesota's Inland Aquatic Ecosystems	\$ 277,419	U of MN - Duluth	Schreiner, Kathryn	-\$250K -\$250K -\$250K -Like using sentinel lakes	6.53	10	9	9	9	9	8	7	7	6	6	5	5	3	3	2			15	0	
45	064-B	Transformation of Plastic Waste into a Valued Resource	\$ 308,000	U of MN	Barney, Brett	-Full Funding -Full Funding -\$200K	6.53	10	10	9	9	8	8	8	8	6	6	6	4	3	2	1			15	0	
46	049-B	Benign Design: Environmental Studies Leading to Sustainable Pharmaceuticals	\$ 415,300	U of MN	Arnold, William	-\$400K -\$400K -Interesting	6.33	10	10	9	9	8	8	7	6	6	5	5	4	3	3	2			15	0	
47	097-B	Reducing Nitrate Harm in the Red River Basin	\$ 225,749	Red River Basin Commission	Goehring, Julie	-Full Funding -Could be a way to work with buffers also -All the work would be done in MN	6.27	10	9	9	8	8	7	7	6	6	6	5	5	3	3	2			15	0	-Single source contract- need add'l info
48	048-B	Neonicotinoid Insecticides: Occurrence And Influence on Algal Blooms	\$ 356,000	U of MN	Arnold, William	-\$350K -\$350K -\$350K	5.73	10	10	9	9	8	7	7	6	5	4	3	3	2	2	1			15	0	
49	054-B	Improving Drinking Water for Minnesotans through Pollution Prevention	\$ 345,778	U of MN	Hozalski, Raymond	-\$300K -\$300K -New good research -Full Funding	5.53	9	9	9	8	8	8	7	7	6	4	3	2	1	1	1			15	0	

Environment and Natural Resources Trust Fund 2019 Proposals
CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW

Line #	LCCMR ID #	Project Title	\$ Request	Organization	Project Manager	Member Notes	Average Score - Members that Scored	All Member Scores - High to Low																	# Members that Scored	# Members with Conflict	Staff Notes
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			
50	061-B	Membranes for Removing Toxic Metals from Mining Wastewater	\$ 449,203	U of MN	Hillmyer, Marc	-\$200K -No industry match -No matching funds -Good	5.29	10	10	9	8	8	8	7	7	7	6	4	2	1	1	1	1	0	17	0	'-Potential Patent
51	072-B	Accelerating Perennial Crop Production to Prevent Nitrate Leaching	\$ 448,905	Stearns County Soil and Water Conservation District	Fuchs, Dennis	-\$250K -\$250K -Helpful to develop more profitable crops for farms and cover crops -Should wait to see results of LCCMR kernza projects before funding	5.20	10	10	10	9	8	5	5	4	4	4	3	3	2	1	0			15	0	
52	057-B	Harnessing Minnesota's Biological Resources for Cleaner Waters	\$ 388,000	U of MN	Elias, Mikael	-\$200K -\$200K -Quite interesting with patent potential so could bring in royalties	5.07	9	8	8	7	6	6	5	5	5	5	5	4	2	1	0			15	0	'-Potential Patent
53	067-B	Eliminating Nitrate in Drain Tile Runoff	\$ 398,623	U of MN	Gulliver, John	-Polluters should pay too	5.00	8	8	7	7	7	7	6	6	5	4	3	3	2	1	1			15	0	-Conference expenses- need add'l info
54	058-B	Reducing Municipal Wastewater Mercury Pollution to Lake Superior	\$ 297,000	Minnesota Pollution Control Agency	Kyser, Scott	-\$250K -\$250K -\$200K	4.93	10	8	8	7	6	6	5	5	5	5	4	3	2	0	0			15	0	
55	085-B	The Future of Groundwater Supply	\$ 280,000	Science Museum of Minnesota St. Croix Watershed Research Station	Almendinger, James	-\$150-\$200K	4.80	8	8	7	7	6	5	5	5	5	4	3	3	2	2	2			15	0	-Conference expenses- need add'l info
56	066-B	Improving Wetland and Groundwater Management Through Hydrologic Monitoring	\$ 573,661	MN DNR	Norris, Doug	-\$500K -\$500K -\$500K -Will this have a negative impact on farmers that irrigate?	4.47	7	7	7	7	7	6	6	6	5	4	4	1	0	0	0			15	0	-DNR direct and necessary expenses -Possible capital expenditures: \$375k (\$7.5k/station x 50 stations)
57	082-B	Evaluating Long-Term Success of Wetland Hydrology Restoration	\$ 294,662	Board of Water and Soil Resources Wetlands Section	Smith, Tim	-Full Funding -Should have done this before -This is the function of BWSR and should be standard work	3.47	8	8	6	6	5	4	4	4	4	3	0	0	0	0	0			15	0	
58		B. Subtotal	\$ 7,882,509																								

Environment and Natural Resources Trust Fund 2019 Proposals
CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW

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								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17				
59	B. Water Resources																											
60	H. Proposals seeking \$200,000 or less in funding (SELECTED TO PRESENT: 6 Proposals / Subtotal = \$909,430)																											
61	106-BH	Citizen-Aided Carp Management: Overcoming Roadblocks to Lake Restoration	\$ 106,151	Carver County Water Management Organization (CCWMO) Public Services Division	Dickhart, Andrew	-Full Funding -Full Funding -Market the carp -Affordable, good project	7.88	10	10	10	10	9	9	9	9	9	8	8	8	7	7	7	3	1	17	0	-Sole source contract- need add'l info -Addresses gaps in realistic N and P reductions possible from carp removal as a water quality improvement tool. -Not a fit for MAISRC.	
62	101-BH	Evaluating Locally-Sourced Sanding Materials for Road Salt Reduction	\$ 162,445	U of MN - Duluth	Chun, Chanlan	-Full Funding -Full funding -\$150K	7.29	10	10	9	8	8	8	8	8	8	8	7	7	6	6	6	5	2	17	0		
63	102-BH	Minnesota Spring Inventory Final Phase	\$ 71,000	MN DNR	Putzier, Paul	-Full Funding -Full Funding -Full Funding -Complete! -Low cost is encouraging -Good project to get set up	7.20	10	10	10	9	9	9	7	7	7	6	6	6	6	5	1			15	0	-DNR direct and necessary expenses	
64	103-BH	Using Local Iron Byproducts to Remove Surface-water Phosphorus	\$ 195,216	U of MN - Duluth	Cai, Meijun	-Stockpiling all these years! No industry match -Very interesting project	5.76	10	10	10	10	9	9	8	7	6	6	4	2	2	2	2	2	1	0	17	0	
65	100-BH	Repurposing Unprofitable Cropland: Water and Wildlife's Silver Bullet?	\$ 199,618	Science Museum of Minnesota, St. Croix Watershed Research Station	Ulrich, Jason	-Full Funding -\$200K -Farmer cooperation? -Need farmer cooperation?	5.33	8	8	8	8	7	7	6	6	6	5	4	3	2	2	0			15	0		
66	116-BH	Spring Biological Nitrate Removal to Protect Drinking Water	\$ 175,000	City of Fairmont	Nemmers, Troy	-\$100K -City match? -Seems good, But does this open the door to much to drinking water projects? -Good project	5.24	10	10	10	9	9	8	8	7	5	4	3	2	2	1	1	0	0	17	0	-Capital expenditures: \$58k bioreactor	
67		BH. Subtotal	\$ 909,430																									

Environment and Natural Resources Trust Fund 2019 Proposals
 CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW

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								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			
68	C. Environmental Education (SELECTED TO PRESENT: 6 Proposals / Subtotal = \$3,486,094)																										
69	122-C	Camp Sunrise: Respect Self, Others and the Environment	\$ 237,000	YouthCARE MN	Jones, Isiah	-Full Funding -Full Funding -Full Funding -\$200K -Reasonable price to give such an outdoor experience	7.67	10	10	10	10	9	9	8	8	7	7	7	6	5	5	4	15	0			
70	124-C	Connecting Over 11,000 Students to the Boundary Waters	\$ 783,135	Friends of the Boundary Waters Wilderness	Knopf, Chris	-Full Funding -\$700K -\$700K -\$700K	5.07	10	10	10	10	8	8	8	6	2	2	1	1	0	0	0	15	0	- Includes scholarships for 600 students		
71	120-C	GreenStep Schools: Statewide Program, 20 School District Pilot	\$ 992,959	U of MN	Mercer-Taylor, Beth	-\$500K -\$500K -\$500K -\$400K -Reduce to 15 schools -Reduce to accommodate 10 schools -Seems more expensive than it needs to be fund at half level -\$18K funding from MPCA	4.87	9	9	8	8	7	7	6	6	5	4	1	1	1	1	0	15	0			
72	123-C	Increasing Diversity in Environmental Careers: Fellowships, Internships, Mentorships	\$ 250,000	MN DNR	Legato, Denise	-Full Funding -Full Funding -Important but need to see current progress with former LCCMR funds	4.67	8	8	8	8	7	6	6	6	6	3	2	1	1	0	0	15	0			
73	119-C	Water Lab: Engaging Minnesotans in Water Quality Challenges	\$ 830,000	Science Museum of Minnesota	Hamilton, Patrick	-\$400K -\$400K -\$400K -\$350K	3.67	8	8	6	6	6	5	5	5	3	1	1	1	0	0	0	15	0	-Possible capital expenditure: \$180k including for computers and monitors -Need better breakdown of equip and supplies budget items		
74	121-C	Environmental Learning by Bicycle for Ages 8-80	\$ 393,000	Bicycle Alliance of Minnesota	Grilley, Dorian	-\$200K -\$200K	3.21	7	6	6	6	6	5	3	2	2	1	1	0	0	0	14	0	-Food expenses for participants-- need add'l info -Includes liability insurance			
75		C. Subtotal	\$ 3,486,094																								
76	C. Environmental Education																										
77	H. Proposals seeking \$200,000 or less in funding (SELECTED TO PRESENT: 1 Proposal / Subtotal = \$199,500)																										
78	143-CH	Mississippi National River & Recreation Area Forest Restoration	\$ 199,500	Mississippi Park Connection	Hammes, Mary	-Full Funding -Full Funding -Full Funding -Full Funding	6.86	10	9	9	8	8	8	8	7	7	7	6	4	3	2	14	0				
79		CH. Subtotal	\$ 199,500																								

Environment and Natural Resources Trust Fund 2019 Proposals
 CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW

Line #	LCCMR ID #	Project Title	\$ Request	Organization	Project Manager	Member Notes	Average Score - Members that Scored	All Member Scores - High to Low																	# Members that Scored	# Members with Conflict	Staff Notes
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			
80	D. Aquatic and Terrestrial Invasive Species (SELECTED TO PRESENT: 3 Proposals / Subtotal = \$6,072,871)																										
81	160-D	Building Knowledge and Capacity to Solve AIS Problems	\$ 5,000,000	U of MN - MAISRC	Phelps, Nicholas	-\$3M -\$4M -\$3M -Not sure we're seeing enough problems solved may be spinning our wheels on something that is unsolvable, fund half	7.33	10	10	9	9	9	9	9	9	8	7	7	7	6	6	3	1	15	0		
82	161-D	Elimination of Target Invasive Plant Species Transition Phase	\$ 772,871	Minnesota Department of Agriculture	Chandler, Monika	-\$450K -\$400K -Community engagement -Staff change agents -Supplant?	6.41	10	10	9	9	8	7	7	7	7	7	6	5	5	4	4	3	1	17	0	- Not research/not UMN/not a fit for MITPPC
83	162-D	Invasive Carp Acoustic Deterrence Field Trial at Lock19	\$ 300,000	MN DNR	Frohnauer, Nick	-? Out of state spending -Iowa? -Full Funding -Is this better or as good as a physical barrier? -Could left over LSOHC funding be used for this?	4.53	10	10	8	7	6	5	5	5	4	4	2	1	1	0	0			15	0	-Capital expenditures \$300k -Installation would be in Keokuk, Iowa -Fit with MAISRC not clear.
84		D. Subtotal	\$ 6,072,871																								
85	D. Aquatic and Terrestrial Invasive Species																										
86	H. Proposals seeking \$200,000 or less in funding (SELECTED TO PRESENT: 3 Proposals / Subtotal = \$479,707)																										
87	173-DH	Oak Wilt Suppression at Northern Edge	\$ 100,000	Morrison Soil & Water Conservation District	McLennan, Helen	\$100K -Full Funding -Concerns on \$ for private land -Market with logger for sale of forest products -cannot become the main source for this eradication long term	7.13	10	10	9	9	9	9	8	8	8	7	7	7	5	5	2	1	16	1	-Includes treatment of trees on private lands -"Legal notices-" need add'l info -Need correct budget form -Not research/not UMN/not a fit for MITPPC	
88	169-DH	Suppressing Reed Canary Grass with Native Plants	\$ 191,000	U of MN	Montgomery, Rebecca	-Full Funding -\$150K	6.07	9	8	7	7	7	7	7	6	6	6	5	4	4	1			15	0	-Focus is largely on forest restoration and is continuation of previously funded LCCMR project. Fit with MITPPC is not clear.	
89	168-DH	Brown Marmorated Stink Bug Phase 2: Monitoring & Biocontrol	\$ 188,707	Minnesota Department of Agriculture	Ambourn, Angie	-Full Funding -\$75K -Ag Match?	5.63	10	10	9	8	8	7	7	6	5	4	4	3	3	3	2	1	16	0	-Not UMN/not a fit for MITPPC	
90		DH. Subtotal	\$ 479,707																								

Environment and Natural Resources Trust Fund 2019 Proposals
CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW

Line #	LCCMR ID #	Project Title	\$ Request	Organization	Project Manager	Member Notes	Average Score - Members that Scored	All Member Scores - High to Low																	# Members that Scored	# Members with Conflict	Staff Notes
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			
91	E. Air Quality, Climate Change, and Renewable Energy (SELECTED TO PRESENT: 4 Proposals / Subtotal = \$3,140,299)																										
92	186-E	White Earth Nation Community Solar for Community Action	\$ 572,702	Rural Renewable Energy Alliance	ODay, Vicki	\$300K -Full Funding -Full Funding -Any MN DEED funding? -Only concern is if this is a good precedent to set funding maybe should be RDF or private funding -May be a good project but should wait to see how other LCCMR project goes for few years)	6.53	10	9	9	8	8	7	7	7	6	6	6	6	4	3	2	15	0	-Capital expenditures: \$327k solar array -Includes guarded access \$40K -Includes indirect expenses-- ineligible, needs to be removed -Potential single source contract needs additional information		
93	176-E	Development of Clean Energy Storage Systems for Farms	\$ 994,224	U of MN - WCROC	Northrop, William		4.43	10	7	7	7	6	5	5	4	4	3	2	1	1	0			14	1	-Capital expenditures: \$141k energy storage systems	
94	182-E	Optimization of a Net-Zero Dairy System	\$ 876,706	U of MN - WCROC	Heins, Bradley	-No funding for activity 2 - presenter failed to provide explanation of the activity. -Lighting should be covered by savings -Good use of waste energy in dairy operations	4.36	10	10	9	7	5	4	4	4	3	3	1	1	0	0			14	1	-Capital expenditures: \$95k energy meters, lighting systems, data loggers	
95	174-E	When the Dust Settles: Pristine Lakes are Changing	\$ 696,667	Science Museum of Minnesota St. Croix Watershed Research Station	Edlund, Mark	-\$200K	3.93	8	7	7	6	6	5	4	4	4	3	2	2	1	0	0	15	0	-Capital expenditures: \$20k sonde, \$25k deposition samplers (5@ \$5k)		
96		E. Subtotal	\$ 3,140,299																								
97	E. Air Quality, Climate Change, and Renewable Energy																										
98	H. Proposals seeking \$200,000 or less in funding (SELECTED TO PRESENT: 2 Proposals / Subtotal = \$385,013)																										
99	190-EH	Sustainable Solar Energy from Agricultural Plant Byproducts	\$ 185,018	U of MN - Morris	Pappenfus, Ted	-Full Funding -Full Funding -Full Funding -Biodegradable plastics can solve micro plastic and landfill issues	7.50	10	10	10	9	8	8	8	8	7	7	7	6	5	2			14	0	-Capital expenditures: \$21k ball mills (2 at \$10,590 ea) -Potential Patent	
100	196-EH	Modeling Energy and Environmental Roadmaps for Minnesota Communities	\$ 199,995	City of Morris Administration	Hill, Blaine	-St. Cloud and other cities are already doing this -A good way to show more models to use district heating/energy ideas, and incinerate garbage after recycling	5.69	10	9	9	8	7	7	6	5	5	3	3	2	0			13	1	-Purchase of computer- need add'l info		
101		EH. Subtotal	\$ 385,013																								

Environment and Natural Resources Trust Fund 2019 Proposals
CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW

Line #	LCCMR ID #	Project Title	\$ Request	Organization	Project Manager	Member Notes	Average Score - Members that Scored	All Member Scores - High to Low																	# Members that Scored	# Members with Conflict	Staff Notes
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			
102	F. Methods to Protect, Restore, and Enhance Land, Water, and Habitat (SELECTED TO PRESENT: 11 Proposals / Subtotal = \$10,251,858)																										
103	225-F	Sauk River Dam Removal and Rock Rapids Replacement	\$ 2,768,000	City of Melrose	Brethorst, Michael	-\$1M -\$1.25M -Partial funding -Restoration only -They are 3rd on DNR list -If funded direct \$ to DNR dam safety account	6.36	10	10	10	9	8	7	6	6	5	5	5	4	2	2	14	0				
104	199-F	Eastern Larch Beetle is Decimating Minnesota's Tamarack Forests	\$ 382,000	U of MN	Aukema, Brian	-\$350K -\$350K -\$300K	6.35	10	10	9	8	8	8	8	7	7	6	6	6	6	5	2	1	1	17	0	-Cap equipment \$20k rearing chambers - Native species/ not a fit for MITPPC
105	202-F	Saving Endangered Pollinators through Data-Driven Prairie Restoration	\$ 977,813	Minnesota Zoo	Runquist, Erik	-\$500K -\$500K -\$350K -Expensive -Impacts wind development projects?	6.06	10	10	9	8	8	7	7	7	6	6	6	5	5	3	0	0	16	0	-Includes DNR direct and necessary expenses	
106	210-F	Forest Regeneration: Right Seed in the Right Place?	\$ 476,336	U of MN - Duluth	Etterson, Julie	-\$400k -\$400K -\$350K	5.86	8	8	8	7	7	7	7	7	6	3	3	3	3	1			14	0		
107	213-F	Promoting and Restoring Oak Savanna Using Silvopasture	\$ 1,270,910	U of MN	Zamora, Diomy	-\$750K -\$750K -\$500K -Scalable? -High cost perhaps reduce scope	5.57	10	10	9	8	7	6	6	6	5	4	3	3	1	0			14	0		
108	200-F	Evaluating Forestry Tools for Conserving Minnesota's Tamarack Forest	\$ 864,436	MN DNR	Reinikainen, Mike	-Concerns on \$ for private land -\$500K -\$500K	5.50	10	10	8	8	7	7	7	7	6	4	3	2	2	0	0	16	0	-DNR direct and necessary expenses -Includes restoration on private (and public) lands - Native species/ not a fit for MITPPC		
109	221-F	Elm Creek Stream Restoration Phase IV Final	\$ 858,650	City of Champlin Engineering	Tuominen, Todd	-Partial funding -\$430K -\$450K -\$400K	5.41	10	10	9	9	7	6	6	5	5	5	5	5	4	3	2	1	0	17	0	
110	212-F	Conserving Minnesota's Best Prairie Habitats and Rarest Species	\$ 1,261,500	The Nature Conservancy	Feeken, Neal	-Partial funding -\$1M -\$1M -\$500K	5.21	10	9	8	8	7	7	6	6	6	3	2	1	0	0			14	0		
111	205-F	Restoring the Upper Mississippi River at Lake Pepin	\$ 525,000	Lake Pepin Legacy Alliance	Main, Rylee	-Like project but question spending funds out of state -Full Funding if allowed -Great match but why clean up Lake Pepin when pollution will still come from the north -This is a Wisconsin project without fixes to sediment issues upstream this is a waste of \$	4.57	10	9	9	8	7	7	5	3	3	2	1	0	0	0			14	0	-Includes work on land/water that is in Wisconsin	
112	207-F	Comparison of Burning and Haying for Prairie Restoration	\$ 338,111	Carleton College	Hernandez, Daniel		4.29	10	7	5	5	5	5	4	4	4	3	3	3	2	0			14	0		

Environment and Natural Resources Trust Fund 2019 Proposals
 CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW

Line #	LCCMR ID #	Project Title	\$ Request	Organization	Project Manager	Member Notes	Average Score - Members that Scored	All Member Scores - High to Low																	# Members that Scored	# Members with Conflict	Staff Notes			
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17						
113	204-F	Ensuring High-Quality Restoration Outcomes in Minnesota	\$ 529,102	U of MN	Galatowitsch, Susan	-What is the value added	3.64	9	7	6	4	4	4	4	3	3	2	2	1	1	1							14	0	
114		F. Subtotal	\$ 10,251,858																											
115	F. Methods to Protect, Restore, and Enhance Land, Water, and Habitat																													
116	H. Proposals seeking \$200,000 or less in funding (SELECTED TO PRESENT: 3 Proposals / Subtotal = \$522,607)																													
117	232-FH	Conservation and Monitoring of Minnesota's Rare Arctic Plants	\$ 135,541	U of MN - Duluth	Zlonis, Katharine	-Full funding -Full Funding -Full Funding	6.57	10	10	10	10	9	8	8	7	6	4	4	3	2	1							14	0	
118	237-FH	Combating Woody Encroachment with Grazing after Mechanical Clearing	\$ 199,704	Minnesota State University - Moorhead	Merkord, Christopher	-LCCMR has already done this	4.57	10	9	8	8	7	5	5	4	3	3	1	1	0	0							14	0	
119	231-FH	Supporting Pollinators and Prairie Restorations with Beneficial Fungi	\$ 187,362	U of MN	Jordan, Nicholas	-Full Funding -Full Funding -Past project already doing this	4.43	9	9	8	8	6	6	5	3	2	2	2	2	0	0							14	0	-Includes out of state personnel expenses- need add'l info
120		FH. Subtotal	\$ 522,607																											

Environment and Natural Resources Trust Fund 2019 Proposals
CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW

Line #	LCCMR ID #	Project Title	\$ Request	Organization	Project Manager	Member Notes	Average Score - Members that Scored	All Member Scores - High to Low																	# Members that Scored	# Members with Conflict	Staff Notes	
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17				
121	G. Land Acquisition for Habitat and Recreation (SELECTED TO PRESENT: 18 Proposals / Subtotal = \$49,816,230)																											
122	248-G	Grants for Local Parks, Trails and Natural Areas	\$ 3,000,000	MN DNR	Mularie, Audrey	-\$2M -\$2M -\$1.5M -\$1.75M -Do not fund Direct and Necessary	8.75	10	10	10	10	9	9	9	9	9	9	8	8	8	8	7	7	16	0	-DNR direct and necessary expenses		
123	266-G	Vergas Long Lake Trail	\$ 291,111	City of Vergas	Lammers, Julie	-\$250K -\$250K -\$250K -Best match of any of the trail proposals	8.18	10	10	10	10	10	10	9	8	8	8	8	8	8	8	8	8	5	1	17	0	
124	251-G	Minnesota State Trails Development	\$ 8,750,000	MN DNR	Skaar, Kent	-\$2.5M \$3M -\$2.25 -Gitchi Gami is important -Activities 2, 5, and 6 have matching funds -Capture available match -Too Much Money should be funded from Legacy and bonding should pay for part of this -Bridges in disrepair and of concern -Large request -Fed match required	7.76	10	10	10	10	10	9	9	9	8	8	8	8	8	8	7	7	1	0	17	0	-DNR direct and necessary expenses
125	256-G	Britton Peak to Lutsen Mountains Mountain Bike Trail	\$ 350,000	Superior Cycling Association	Kennedy, Tim	-\$300K -Good value for 5.1 miles	7.65	10	10	10	10	8	8	8	8	8	8	8	8	8	7	7	6	5	1	17	0	- Need budget details
126	249-G	Minnesota State Parks and State Trails In-Holdings	\$ 5,000,000	MN DNR	Christie, Jennifer	-Fund Activities 1-3 at \$1.55M -Fund Activities 1-3 at \$1.55M -Fund Activities 1-3 at \$1.55M	7.41	10	10	10	10	9	9	9	9	9	9	8	8	7	6	3	0	0	17	0	- Does not include/not subject to direct and necessary	
127	252-G	National Loon Center: State Bird Survival and Protection	\$ 4,000,000	National Loon Center Foundation	Heggerston, Leah	-Partial funding -\$2M -\$2M -\$1.75M -Better match? -Fund activity 1 -Quite expensive, maybe do a quarter to half -& acres owned by Feds to be transferred? -No open solicitation -Net zero energy -Set backs?	7.18	10	10	10	10	10	9	9	9	8	7	7	6	6	5	5	1	0	17	0	-\$4m capital expenditures	
128	247-G	DNR Scientific and Natural Areas	\$ 5,758,000	MN DNR	Schulte, Judy	-\$2M -\$3.3M -\$3.5M -\$3.3M Activity 3 -Prefer the \$3.3 million for fee title	6.86	10	10	10	10	9	9	9	7	7	5	5	5	0	0				14	0	-DNR direct and necessary expenses - Includes cons. easement stewardship expenses	
129	254-G	Mesabi Trail Extensions	\$ 5,150,000	St. Louis and Lake Counties Regional Railroad Authority	Manzoline, Robert	-Partial funding -\$1M -\$2.25M -Activity 1 at \$700K -Good to finish somewhat expensive, maybe half funding	6.59	10	10	10	10	9	9	9	8	8	6	6	6	5	5	1	0	0	17	0		

Environment and Natural Resources Trust Fund 2019 Proposals
CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW

Line #	LCCMR ID #	Project Title	\$ Request	Organization	Project Manager	Member Notes	Average Score - Members that Scored	All Member Scores - High to Low																	# Members that Scored	# Members with Conflict	Staff Notes
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17			
130	257-G	Preserving the Avon Hills with Reverse-Bidding Easements	\$ 2,410,500	Saint Johns University	Geissler, John	-\$1.2M -\$2M -\$1.5M -Great but prioritize conservation benefits -Partial funding -Like the reverse bidding project	6.40	10	9	9	9	9	8	8	7	7	5	4	4	3	3	1	15	0	-Includes cons. easement stewardship expenses		
131	269-G	Glacial Edge Trail and Downtown Pedestrian Bridge	\$ 602,918	City of Fergus Falls	Miller, Ryan	-\$175K -0.48 miles?	6.18	10	10	10	10	10	10	9	8	8	5	4	4	2	2	2	1	0	17	0	
132	253-G	Accessible Fishing Piers	\$ 320,000	MN DNR	Stewart, Nancy	\$200K -Fish and game fund? -Good use of trust fund -Could use more money than they asked for so more piers could be done	5.93	10	9	9	9	9	8	8	7	6	4	4	3	3	0	0	15	0	-DNR direct and necessary expenses -Capital expenditures: \$276k fishing piers @ \$34k each		
133	250-G	Native Prairie Bank Conservation Easements and Landowner Assistance	\$ 3,828,000	MN DNR	Schulte, Judy	-\$2M -\$2M -\$2M -\$2M -Not activity #4 as 15 year easements don't apply -15 year easement?	5.86	9	8	8	8	8	8	7	7	7	5	4	2	1	0	14	0	-DNR direct and necessary expenses -Cons easement stewardship expenses -Restoration on private land with 15 year lease (pilot)			
134	265-G	Bailey Lake Trail and Fishing Pier	\$ 681,000	City of Virginia	See-Benes, Britt	-Good use of funds for people to access the environment -Not sure	5.63	10	10	10	9	9	8	8	8	5	4	2	2	2	2	1	0	16	0		
135	271-G	Crane Lake to Vermilion Falls Trail	\$ 455,000	Voyageur Country ATV	Beste, Bruce	-Can we cut it down and have them get more matches? -Unsure about the environmental impacts	5.41	10	10	10	10	9	9	8	7	6	5	4	3	1	0	0	0	0	17	0	
136	264-G	Birch Lake Recreation Area Campground	\$ 700,000	City of Babbitt	Bissonette, Cathy	-LCCMR has never done this before, is it appropriate? -Not inline with LCCMR programs	4.59	10	10	10	10	9	6	6	5	4	3	2	2	1	0	0	0	0	17	0	-Potential reinvestment of revenue from campground user fees
137	258-G	Turning Back to Rivers: Creating Recreation Opportunities	\$ 4,792,500	The Trust for Public Land	Forbes, DJ	-Partial funding -\$2.75M -\$2M -\$3M -\$1M -Should be funded from Legacy or DNR Parks Money -Community needs but cost share not identified -\$ not shown from communities for project	4.47	8	8	7	7	7	7	6	3	3	3	3	2	1	1	1	15	0			
138	259-G	Restoration of Winona's Prairie Island	\$ 352,201	City of Winona	Greedy, Ross		4.27	10	9	8	8	5	5	4	3	2	2	2	2	2	1	1	15	0	-Capital expenditure: \$29,250 AIS decontamination station		
139	270-G	Winona's 1st Recreation Bridge over Highway 61	\$ 3,375,000	City of Winona	DeFrang, Brian	-Partial funding for planning -Needs coordination with MNDOT before funds are dispersed from LCCMR. -Too early and loosely planned -Sounds like a MNDOT safety issue -Try and get more local match -Not sure LCCMR should fund the project -Safety should be assessed	3.53	9	9	9	9	7	5	2	1	1	1	0	0	0	0	0	15	0			
140		G. Subtotal	\$ 49,816,230																								

Environment and Natural Resources Trust Fund 2019 Proposals
 CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW

Line #	LCCMR ID #	Project Title	\$ Request	Organization	Project Manager	Member Notes	Average Score - Members that Scored	All Member Scores - High to Low																	# Members that Scored	# Members with Conflict	Staff Notes	
								1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17				
141	G. Land Acquisition for Habitat and Recreation																											
142	H. Proposals seeking \$200,000 or less in funding (SELECTED TO PRESENT: 1 Proposal / Subtotal = \$191,000)																											
143	272-GH	Making the SHT's Big Bad Five Beautiful Again	\$ 191,000	Superior Hiking Trail Association	Caneff, Denny	-Full funding -Best value! -Full Funding -Full Funding -\$200K	8.12	10	10	10	10	10	10	10	10	10	9	9	8	8	8	8	5	2	1	17	0	
144		GH. Subtotal	\$ 191,000																									
145	I. Administration (3 Proposal / Subtotal = \$135,000)																											
146	273-I	Contract Agreement Reimbursement	\$ 135,000	MN DNR	Sherman-Hoehn, Katherine		na																			na	na	
147		LCC Legacy Website Administration	\$ 2,700	LCC	Hubinger, Greg		na																			na	na	
148		LCCMR Administration	\$ -	LCCMR	Nash, Becca		na																			na	na	
149		I. Subtotal	\$ 137,700																									
1450	J. Other (3 Proposals / Subtotal = \$3,399,000)																											
151	274-J	Unlocking the Science of Minnesota's Moose Decline	\$ 199,000	Minnesota Zoo	Mattson, Nicole	-Full funding -Full Funding -Full Funding -Like the price under 200k	7.41	10	10	9	9	8	8	8	8	8	8	7	7	7	7	5	5	5	5	17	0	
152	275-J	County Geologic Atlases - Part B	\$ 2,400,000	MN DNR	Putzier, Paul	-\$2M -\$2M -Full Funding -Full Funding -Full Funding -Good needed project -Investigate county funding -Should be put together with 002A?	6.40	10	10	10	9	9	9	9	9	8	5	4	2	2	0	0				15	0	
153		Nongame Wildlife Program Acceleration	\$ 800,000	MN DNR	Henderson, Carrol																							
154		J. Subtotal	\$ 3,399,000																									
155		Total	\$ 104,413,378																									

ML2019 Allocations - Scoring Break Points

Option	# of Proposals (between scores)	Running Total # of Proposals	\$ Amount	Running Total \$ Amount
8 and above	4	4	\$3,916,297	\$3,916,297
7.75 and above	2	6	\$8,856,151	\$12,772,448
7.5 and above	5	11	\$1,161,618	\$13,934,066
7.25 and above	7	18	\$11,550,519	\$25,484,585
7 and above	7	25	\$6,011,101	\$31,495,686
6.75 and above	4	29	\$6,581,377	\$38,077,063
6.5 and above	8	37	\$10,205,265	\$48,282,328
6.25 and above	9	46	\$9,789,920	\$58,072,248
6 and above	7	53	\$7,061,558	\$65,133,806
5.75 and above	4	57	\$4,819,552	\$69,953,358
5.5 and Above	7	64	\$3,906,826	\$73,860,184
5.25 and above	5	69	\$2,598,515	\$76,458,699
5.0 and Above	8	77	\$4,940,816	\$81,399,515
4.75 and above	6	83	\$2,802,043	\$84,201,558
4.5 and Above	7	90	\$2,343,464	\$86,545,022
4.25 and above	8	98	\$8,313,549	\$94,858,571
4.0 and Above	2	100	\$1,516,229	\$96,374,800
TOTAL	100		\$96,374,800	

2019 Environment and Natural Resources Trust Fund Proposals

#	ID #	Project Title	Organization	\$ Requested	Running Total \$ Amount	Mean Compiled Member Ranking (Out of 17)	Median Compiled Member Ranking (Out of 17)	Total # Members that Scored
1	248-G	Grants for Local Parks, Trails and Natural Areas	MN DNR	\$ 3,000,000	\$ 3,000,000	8.75	9.00	16
2	266-G	Vergas Long Lake Trail	City of Vergas	\$ 291,111	\$ 3,291,111	8.18	8.00	17
3	018-A	Next Step in Helping Minnesota's Moose: Understand Brain worm Transmission to Find Solutions	U of MN	\$ 434,186	\$ 3,725,297	8.13	9.00	15
4	272-GH	Making the SHT's Big Bad Five Beautiful Again	Superior Hiking Trail Association	\$ 191,000	\$ 3,916,297	8.12	9.00	17
5	106-BH	Citizen-Aided Carp Management: Overcoming Roadblocks to Lake Restoration	Carver County Water Management Organization (CCWMO) Public Services Division	\$ 106,151	\$ 4,022,448	7.88	9.00	17
6	251-G	Minnesota State Trails Development	MN DNR	\$ 8,750,000	\$ 12,772,448	7.76	8.00	17
7	032-AH	Artificial Den Boxes for Fishers	U of MN -Duluth	\$ 190,000	\$ 12,962,448	7.71	8.00	17
8	038-AH	Aquatic Habitats for Moose and Enhanced Lake Food webs	U of MN	\$ 199,600	\$ 13,162,048	7.67	8.00	15
9	122-C	Camp Sunrise: Respect Self, Others and the Environment	YouthCARE MN	\$ 237,000	\$ 13,399,048	7.67	8.00	15
10	256-G	Britton Peak to Lutsen Mountains Mountain Bike Trail	Superior Cycling Association	\$ 350,000	\$ 13,749,048	7.65	8.00	17
11	190-EH	Sustainable Solar Energy from Agricultural Plant Byproducts	U of MN - Morris	\$ 185,018	\$ 13,934,066	7.50	8.00	14
12	003-A	Restoring Native Mussels in Streams and Lakes	MN DNR	\$ 735,981	\$ 14,670,047	7.47	9.00	17
13	034-AH	Red-headed Woodpeckers: Indicators of Oak Savanna Health	U of MN	\$ 171,000	\$ 14,841,047	7.47	8.00	15
14	249-G	Minnesota State Parks and State Trails In-Holdings	MN DNR	\$ 5,000,000	\$ 19,841,047	7.41	9.00	17
15	274-J	Unlocking the Science of Minnesota's Moose Decline	Minnesota Zoo	\$ 199,000	\$ 20,040,047	7.41	8.00	17
16	160-D	Building Knowledge and Capacity to Solve AIS Problems	U of MN - MAISRC	\$ 5,000,000	\$ 25,040,047	7.33	8.00	15
17	005-A	Mercury and PFAS Risk to Minnesota Raptors	Hawk Ridge Bird Observatory	\$ 282,093	\$ 25,322,140	7.29	7.00	17
18	101-BH	Evaluating Locally-Sourced Sanding Materials for Road Salt Reduction	U of MN - Duluth	\$ 162,445	\$ 25,484,585	7.29	8.00	17
19	102-BH	Minnesota Spring Inventory Final Phase	MN DNR	\$ 71,000	\$ 25,555,585	7.20	7.00	15
20	076-B	Farm-Ready Cover Crops for Protecting Water Quality	Central Lakes College	\$ 741,184	\$ 26,296,769	7.18	7.00	17
21	252-G	National Loon Center: State Bird Survival and Protection	National Loon Center Foundation	\$ 4,000,000	\$ 30,296,769	7.18	8.00	17

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22	173-DH	Oak Wilt Suppression at Northern Edge	Morrison Soil & Water Conservation District	\$ 100,000	\$ 30,396,769	7.13	8.00	16
23	077-B	Setting Realistic Nitrate BMP Goals in Southeast Minnesota	U of MN	\$ 444,000	\$ 30,840,769	7.07	8.00	15
24	052-B	Outstate Wastewater: Improving Nitrogen Removal in Treatment Ponds	U of MN	\$ 402,033	\$ 31,242,802	7.00	8.00	15
25	053-B	Stimulating Bacteria to Degrade Chlorinated Industrial Contaminants	U of MN	\$ 252,884	\$ 31,495,686	7.00	7.00	15
26	055-B	Protecting Minnesota Waters by Removing Contaminants from Wastewater	U of MN	\$ 345,877	\$ 31,841,563	6.87	7.00	15
27	143-CH	Mississippi National River & Recreation Area Forest Restoration	Mississippi Park Connection	\$ 199,500	\$ 32,041,063	6.86	7.50	14
28	247-G	DNR Scientific and Natural Areas	MN DNR	\$ 5,758,000	\$ 37,799,063	6.86	8.00	14
29	050-B	Wastewater Nutrient Reduction through Industrial Source Reduction Assistance	U of MN	\$ 278,000	\$ 38,077,063	6.80	7.00	15
30	062-B	Phytoremediation for Extracting Deicing Salt from Roadside Soils	U of MN	\$ 360,231	\$ 38,437,294	6.71	8.00	17
31	001-A	Minnesota Biological Survey – Continuation	MN DNR	\$ 2,987,000	\$ 41,424,294	6.67	8.00	15
32	014-A	Minnesota Trumpeter Swan Migration Ecology and Conservation	U of MN	\$ 414,372	\$ 41,838,666	6.60	7.00	15
33	254-G	Mesabi Trail Extensions	St. Louis and Lake Counties Regional Railroad Authority	\$ 5,150,000	\$ 46,988,666	6.59	8.00	17
34	232-FH	Conservation and Monitoring of Minnesota's Rare Arctic Plants	U of MN - Duluth	\$ 135,541	\$ 47,124,207	6.57	7.50	14
35	051-B	Quantifying Micro plastics in Minnesota's Inland Aquatic Ecosystems	U of MN - Duluth	\$ 277,419	\$ 47,401,626	6.53	7.00	15
36	064-B	Transformation of Plastic Waste into a Valued Resource	U of MN	\$ 308,000	\$ 47,709,626	6.53	8.00	15
37	186-E	White Earth Nation Community Solar for Community Action	Rural Renewable Energy Alliance	\$ 572,702	\$ 48,282,328	6.53	7.00	15
38	035-AH	Implementing Conservation Plans for Avian Species of Concern	Audubon Minnesota	\$ 124,500	\$ 48,406,828	6.47	6.00	15
39	161-D	Elimination of Target Invasive Plant Species Transition Phase	Minnesota Department of Agriculture	\$ 772,871	\$ 49,179,699	6.41	7.00	17
40	257-G	Preserving the Avon Hills with Reverse-Bidding Easements	Saint Johns University	\$ 2,410,500	\$ 51,590,199	6.40	7.00	15
41	275-J	County Geologic Atlases - Part B	MN DNR	\$ 2,400,000	\$ 53,990,199	6.40	9.00	15
42	225-F	Sauk River Dam Removal and Rock Rapids Replacement	City of Melrose	\$ 2,768,000	\$ 56,758,199	6.36	6.00	14

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43	199-F	Eastern Larch Beetle is Decimating Minnesota's Tamarack Forests	U of MN	\$ 382,000	\$ 57,140,199	6.35	7.00	17
44	010-A	A Better System for Wetland Inventory Data Stewardship	MN DNR	\$ 291,000	\$ 57,431,199	6.33	7.00	15
45	049-B	Benign Design: Environmental Studies Leading to Sustainable Pharmaceuticals	U of MN	\$ 415,300	\$ 57,846,499	6.33	6.00	15
46	097-B	Reducing Nitrate Harm in the Red River Basin	Red River Basin Commission	\$ 225,749	\$ 58,072,248	6.27	6.00	15
47	016-A	Spruce Grouse: Sentinels for Boreal Forest Connectivity	U of MN The Raptor Center	\$ 361,630	\$ 58,433,878	6.20	7.00	15
48	002-A	Minnesota Geological Survey Geologic Atlases for Water Resource Management	U of MN - MN Geological Survey	\$ 4,121,625	\$ 62,555,503	6.18	9.00	17
49	269-G	Glacial Edge Trail and Downtown Pedestrian Bridge	City of Fergus Falls	\$ 602,918	\$ 63,158,421	6.18	8.00	17
50	015-A	Minnesota's Imperiled Bats - Protecting the Survivors	MN DNR	\$ 208,331	\$ 63,366,752	6.13	7.00	15
51	169-DH	Suppressing Reed Canary Grass with Native Plants	U of MN	\$ 191,000	\$ 63,557,752	6.07	7.00	15
52	202-F	Saving Endangered Pollinators through Data-Driven Prairie Restoration	Minnesota Zoo	\$ 977,813	\$ 64,535,565	6.06	6.50	16
53	008-A	Phase-II: Enhancing Understanding of the Minnesota River Ecosystem	MN DNR	\$ 598,241	\$ 65,133,806	6.00	7.00	15
54	253-G	Accessible Fishing Piers	MN DNR	\$ 320,000	\$ 65,453,806	5.93	7.00	15
55	210-F	Forest Regeneration: Right Seed in the Right Place?	U of MN - Duluth	\$ 476,336	\$ 65,930,142	5.86	7.00	14
56	250-G	Native Prairie Bank Conservation Easements and Landowner Assistance	MN DNR	\$ 3,828,000	\$ 69,758,142	5.86	7.00	14
57	103-BH	Using Local Iron Byproducts to Remove Surface-water Phosphorus	U of MN - Duluth	\$ 195,216	\$ 69,953,358	5.76	6.00	17
58	048-B	Neonicotinoid Insecticides: Occurrence And Influence on Algal Blooms	U of MN	\$ 356,000	\$ 70,309,358	5.73	6.00	15
59	196-EH	Modeling Energy and Environmental Roadmaps for Minnesota Communities	City of Morris Administration	\$ 199,995	\$ 70,509,353	5.69	6.00	13
60	168-DH	Brown Marmorated Stink Bug Phase 2: Monitoring & Biocontrol	Minnesota Department of Agriculture	\$ 188,707	\$ 70,698,060	5.63	5.50	16
61	265-G	Bailey Lake Trail and Fishing Pier	City of Virginia	\$ 681,000	\$ 71,379,060	5.63	6.50	16
62	213-F	Promoting and Restoring Oak Savanna Using Silvopasture	U of MN	\$ 1,270,910	\$ 72,649,970	5.57	6.00	14
63	054-B	Improving Drinking Water for Minnesotans through Pollution Prevention	U of MN	\$ 345,778	\$ 72,995,748	5.53	7.00	15

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64	200-F	Evaluating Forestry Tools for Conserving Minnesota's Tamarack Forest	MN DNR	\$ 864,436	\$ 73,860,184	5.50	7.00	16
65	007-A	Wild Bee Surveys in Minnesota's Forest Habitats	MN DNR	\$ 636,044	\$ 74,496,228	5.41	6.00	17
66	221-F	Elm Creek Stream Restoration Phase IV Final	City of Champlin Engineering	\$ 858,650	\$ 75,354,878	5.41	5.00	17
67	271-G	Crane Lake to Vermilion Falls Trail	Voyageur Country ATV	\$ 455,000	\$ 75,809,878	5.41	6.00	17
68	100-BH	Repurposing Unprofitable Cropland: Water and Wildlife's Silver Bullet?	Science Museum of Minnesota, St. Croix Watershed Research Station	\$ 199,618	\$ 76,009,496	5.33	6.00	15
69	061-B	Membranes for Removing Toxic Metals from Mining Wastewater	U of MN	\$ 449,203	\$ 76,458,699	5.29	7.00	17
70	116-BH	Spring Biological Nitrate Removal to Protect Drinking Water	City of Fairmont	\$ 175,000	\$ 76,633,699	5.24	5.00	17
71	212-F	Conserving Minnesota's Best Prairie Habitats and Rarest Species	The Nature Conservancy	\$ 1,261,500	\$ 77,895,199	5.21	6.00	14
72	072-B	Accelerating Perennial Crop Production to Prevent Nitrate Leaching	Stearns County Soil and Water Conservation District	\$ 448,905	\$ 78,344,104	5.20	4.00	15
73	006-A	Optimizing Minnesota's Forest Products and Ecosystem Services	U of MN - Duluth	\$ 789,649	\$ 79,133,753	5.18	5.00	17
74	004-A	Minnesota's Ecological Monitoring Network - Continuation	MN DNR	\$ 696,004	\$ 79,829,757	5.13	6.00	15
75	057-B	Harnessing Minnesota's Biological Resources for Cleaner Waters	U of MN	\$ 388,000	\$ 80,217,757	5.07	5.00	15
76	124-C	Connecting Over 11,000 Students to the Boundary Waters	Friends of the Boundary Waters Wilderness	\$ 783,135	\$ 81,000,892	5.07	6.00	15
77	067-B	Eliminating Nitrate in Drain Tile Runoff	U of MN	\$ 398,623	\$ 81,399,515	5.00	6.00	15
78	025-A	Mapping Habitat Use and Disease of Urban Carnivores	U of MN	\$ 657,159	\$ 82,056,674	4.94	3.00	17
79	021-A	Grasslands, Grazing, and Greater Prairie-chickens: Testing Trade-offs	MN DNR	\$ 392,065	\$ 82,448,739	4.93	5.00	15
80	058-B	Reducing Municipal Wastewater Mercury Pollution to Lake Superior	Minnesota Pollution Control Agency	\$ 297,000	\$ 82,745,739	4.93	5.00	15
81	120-C	GreenStep Schools: Statewide Program, 20 School District Pilot	U of MN	\$ 992,959	\$ 83,738,698	4.87	6.00	15
82	039-AH	Foundational Ecological Information for Tribal Fire Management	U of MN	\$ 182,860	\$ 83,921,558	4.86	5.00	14
83	085-B	The Future of Groundwater Supply	Science Museum of Minnesota St. Croix Watershed Research Station	\$ 280,000	\$ 84,201,558	4.80	5.00	15
84	029-AH	Protecting Minnesota's Cold-Water Fish into the Future	USGS	\$ 168,760	\$ 84,370,318	4.67	4.00	15

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85	030-AH	City Bats and Country Bats - What's the difference?	U of MN	\$ 200,000	\$ 84,570,318	4.67	5.00	15
86	123-C	Increasing Diversity in Environmental Careers: Fellowships, Internships, Mentorships	MN DNR	\$ 250,000	\$ 84,820,318	4.67	6.00	15
87	264-G	Birch Lake Recreation Area Campground	City of Babbitt	\$ 700,000	\$ 85,520,318	4.59	4.00	17
88	205-F	Restoring the Upper Mississippi River at Lake Pepin	Lake Pepin Legacy Alliance	\$ 525,000	\$ 86,045,318	4.57	4.00	14
89	237-FH	Combating Woody Encroachment with Grazing after Mechanical Clearing	Minnesota State University - Moorhead	\$ 199,704	\$ 86,245,022	4.57	4.50	14
90	162-D	Invasive Carp Acoustic Deterrence Field Trial at Lock19	MN DNR	\$ 300,000	\$ 86,545,022	4.53	5.00	15
91	066-B	Improving Wetland and Groundwater Management Through Hydrologic Monitoring	MN DNR	\$ 573,661	\$ 87,118,683	4.47	6.00	15
92	258-G	Turning Back to Rivers: Creating Recreation Opportunities	The Trust for Public Land	\$ 4,792,500	\$ 91,911,183	4.47	3.00	15
93	176-E	Development of Clean Energy Storage Systems for Farms	U of MN - WCROC	\$ 994,224	\$ 92,905,407	4.43	4.50	14
94	231-FH	Supporting Pollinators and Prairie Restorations with Beneficial Fungi	U of MN	\$ 187,362	\$ 93,092,769	4.43	4.00	14
95	031-AH	Walleye Habitat Status to Guide and Prioritize Management	MN DNR	\$ 198,784	\$ 93,291,553	4.40	4.00	15
96	182-E	Optimization of a Net-Zero Dairy System	U of MN - WCROC	\$ 876,706	\$ 94,168,259	4.36	4.00	14
97	207-F	Comparison of Burning and Haying for Prairie Restoration	Carleton College	\$ 338,111	\$ 94,506,370	4.29	4.00	14
98	259-G	Restoration of Winona's Prairie Island	City of Winona	\$ 352,201	\$ 94,858,571	4.27	3.00	15
99	027-A	Accelerated Aggregate Resource Mapping	MN DNR	\$ 1,380,979	\$ 96,239,550	4.06	2.00	16
100	046-AH	Improving Statewide GIS Data by Restoring the PLS	Minnesota Association of County Surveyors Grant County	\$ 135,250	\$ 96,374,800	4.06	2.00	17
101	174-E	When the Dust Settles: Pristine Lakes are Changing	Science Museum of Minnesota St. Croix Watershed Research Station	\$ 696,667	\$ 97,071,467	3.93	4.00	15
102	012-A	Conserving Lake Trout in Minnesota	U of MN - Duluth	\$ 782,549	\$ 97,854,016	3.87	4.00	15
103	119-C	Water Lab: Engaging Minnesotans in Water Quality Challenges	Science Museum of Minnesota	\$ 830,000	\$ 98,684,016	3.67	5.00	15
104	204-F	Ensuring High-Quality Restoration Outcomes in Minnesota	U of MN	\$ 529,102	\$ 99,213,118	3.64	3.50	14
105	270-G	Winona's 1st Recreation Bridge over Highway 61	City of Winona	\$ 3,375,000	\$ 102,588,118	3.53	1.00	15

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106	082-B	Evaluating Long-Term Success of Wetland Hydrology Restoration	Board of Water and Soil Resources Wetlands Section	\$ 294,662	\$ 102,882,780	3.47	4.00	15
107	028-AH	Minnesota Restoration Mapping and Pollinator Protection	Minnesota Board of Water and Soil Resources	\$ 199,898	\$ 103,082,678	3.33	2.00	15
108	121-C	Environmental Learning by Bicycle for Ages 8-80	Bicycle Alliance of Minnesota	\$ 393,000	\$ 103,475,678	3.21	2.50	14
109	273-I	Contract Agreement Reimbursement	MN DNR	\$ 135,000	\$ 103,610,678			
				\$ 103,610,678				

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