

# Members 2020 LCCMR Proposal Scores: High to Low by Category

Sorted first by median score of members that scored and then by proposal ID#

| Line # | LCCMR ID #  | Project Title  | Project Manager and Organization                       | \$ Request   | Member Notes | Staff Notes   | Median Score | Mean Score | Distribution of Member Scores - Low to High |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | # Members that Scored | # Members with Conflict |
|--------|---|--|--|--------------|--------------|---|--------------|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|-----------------------|-------------------------|
|        |   |  |  |              |              |   |              |            | 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |                       |                         |
| 4      | <b>A. Foundational Natural Resource Data and Information (24 Proposals / Subtotal = \$18,985,833)</b> |  |  |              |              |   |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |
| 5      | 001-A   | Geologic Atlases for Water Resource Management                     | Barbara Lusardi, U of MN - Minnesota Geological Survey | \$ 4,121,625 | -\$3,500,000 |   | 9            | 7.6        | 0   | 1 | 3 | 6 | 6 | 8 | 9 | 9 | 9 | 9  | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 17                    |                         |
| 6      | 007-A   | County Groundwater Atlas   | Paul Putzier, MN DNR                                   | \$ 2,250,000 |              | -DNR direct and necessary expenses  | 9            | 7.4        | 0   | 3 | 4 | 4 | 4 | 6 | 8 | 8 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 17                    |                         |
| 7      | 016-A   | Expanding Restoration and Promoting Awareness of Native Mussels    | Seth Stapleton, Minnesota Zoological Society           | \$ 489,270   | -\$250,000   | -Conferences in years 1 - 4 -- need add'l info  | 7            | 6.7        | 0   | 1 | 4 | 5 | 5 | 6 | 6 | 7 | 7 | 7  | 8  | 9  | 9  | 10 | 10 | 10 | 10 | 17                    |                         |
| 8      | 018-A   | Bee Minnesota - Protect our Native Bumblebees                      | Declan Schroeder, U of MN                              | \$ 693,000   |              | -No mention of pesticide interaction<br>-Does not look at interrelationship between pathogens and other stressors   | 7            | 5.6        | 0   | 0 | 0 | 0 | 5 | 5 | 5 | 6 | 7 | 7  | 7  | 7  | 9  | 9  | 9  | 9  | 10 | 17                    |                         |
| 9      | 019-A   | Bobcat and Fisher Habitat Use and Interactions                     | Michael Joyce, U of MN                                 | \$ 440,719   |              | -24 GPS collars - \$84k   | 7            | 5.2        | 0   | 0 | 0 | 0 | 1 | 1 | 2 | 5 | 7 | 7  | 8  | 9  | 9  | 10 | 10 | 10 | 10 | 17                    |                         |
| 10     | 040-A   | Freshwater Sponges and AIS: Engaging Citizen Scientists            | Venugopal Mukku, U of MN                               | \$ 460,000   |              | -Crookston adds statewide   | 7            | 5.9        | 0   | 0 | 0 | 1 | 5 | 5 | 7 | 7 | 7 | 7  | 8  | 8  | 8  | 9  | 9  | 9  | 10 | 17                    |                         |
| 11     | 002-A   | Expanding the Minnesota Ecological Monitoring Network              | Hannah Texler, MN DNR                                  | \$ 1,587,134 |              | -Need to include more areas in the prairie and the metro  | 6            | 5.7        | 0   | 0 | 0 | 3 | 4 | 4 | 5 | 5 | 6 | 8  | 8  | 8  | 9  | 9  | 9  | 9  | 10 | 17                    |                         |
| 12     | 008-A   | Foundational Hydrology Data for Wetland Protection and Restoration | Doug Norris, MN DNR                                    | \$ 461,499   | -\$200,000   | -DNR direct and necessary expenses  | 6            | 5.5        | 0   | 0 | 0 | 3 | 5 | 5 | 5 | 6 | 6 | 6  | 7  | 7  | 7  | 8  | 8  | 10 | 10 | 17                    |                         |
| 13     | 014-A   | Voyageurs Wolf Project – Phase II                                  | Joseph Bump, U of MN                                   | \$ 608,320   | -\$550,000   | -Capital Expenditures: 1 snowmobile and trailer \$15,000<br>-Capital Expenditures: 1 Digital Camera and long-range lens \$20,000<br>-Capital Expenditure: Possible vehicle purchase if less than mileage reimbursement \$26,100 . | 6            | 5.9        | 0   | 0 | 0 | 3 | 5 | 5 | 5 | 6 | 6 | 6  | 8  | 8  | 9  | 9  | 10 | 10 | 10 | 17                    |                         |
| 14     | 017-A   | Improving Pollinator Conservation by Revealing Habitat Needs       | Colleen Satyshur, U of MN                              | \$ 615,000   |              | -Single source contract- need add'l info  | 6            | 5.1        | 0   | 0 | 0 | 0 | 2 | 4 | 4 | 6 | 6 | 7  | 7  | 7  | 7  | 8  | 9  | 10 | 10 | 17                    |                         |
| 15     | 025-A   | Healthy Prairies III: Restoring MN prairie plant diversity         | Ruth Shaw, U of MN                                     | \$ 1,128,000 | -\$950,000   | -Potential single source contract- need add'l info  | 5            | 4.7        | 0   | 0 | 0 | 0 | 1 | 2 | 3 | 3 | 7 | 8  | 8  | 8  | 8  | 8  | 9  | 10 |    | 16                    | JW                      |

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|--------|------------|--|--|------------|--|--|--------------|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|-----------------------|-------------------------|
|        |            |  |  |            |  |  |              |            | 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |                       |                         |
| 16     | 037-A      | Foundational Research on Fungi and Protecting Minnesota Trees          | Robert Blanchette, U of MN                         | \$ 362,196 | -Would regenerating trees be a better option?  |  | 5            | 4.4        | 0   | 0 | 0 | 0 | 1 | 1 | 2 | 3 | 5 | 5  | 6  | 8  | 8  | 8  | 9  | 9  | 10 | 17                    |                         |
| 17     | 004-A      | Minnesota; How much Water? How is it Changing?                         | John Nieber, U of MN                               | \$ 529,139 |  | -Potential purchase of data- \$30k   | 4            | 4.3        | 0   | 0 | 0 | 2 | 3 | 3 | 3 | 4 | 4 | 4  | 5  | 5  | 6  | 7  | 8  | 9  | 10 | 17                    |                         |
| 18     | 005-A      | Optimizing Land Cover Data for Water Resource Analysis                 | Matt Drewitz, MN Board of Water and Soil Resources | \$ 370,000 | -Isn't this already done?<br>-Outcomes for natural resources are minimal at best   |  | 4            | 3.8        | 0   | 0 | 0 | 1 | 1 | 1 | 2 | 4 | 4 | 4  | 4  | 4  | 5  | 7  | 8  | 10 | 10 | 17                    |                         |
| 19     | 010-A      | Real-Time Measurements of Nitrate Pollution in Surface Water           | Joel Groten, U.S. Geological Survey                | \$ 631,800 | -Need a standard, impact on wildlife   | -Capital expenditure: \$200,750 for 11 nitrate sensors   | 4            | 4.6        | 0   | 0 | 1 | 1 | 2 | 3 | 3 | 4 | 4 | 5  | 6  | 7  | 7  | 7  | 8  | 10 | 10 | 17                    |                         |
| 20     | 022-A      | Enhancing Bird and Insect Recovery in Oak Savannas                     | Francesca Cuthbert, U of MN                        | \$ 238,000 | -Will produce a lot of info with smaller investment  |  | 4            | 4.8        | 0   | 0 | 1 | 2 | 2 | 2 | 2 | 3 | 4 | 6  | 8  | 8  | 8  | 9  | 9  | 9  | 9  | 17                    |                         |
| 21     | 026-A      | Estimating Fish Production in Stressed Minnesota Lakes                 | Richard Kiesling, U.S. Geological Survey           | \$ 416,500 |  |  | 4            | 4.2        | 0   | 2 | 2 | 3 | 4 | 4 | 4 | 4 | 4 | 4  | 4  | 5  | 5  | 5  | 5  | 6  | 10 | 17                    |                         |
| 22     | 031-A      | Morrison County Performance Drainage and Hydrology Management Phase II | Shannon Wettstein, Morrison SWCD                   | \$ 213,300 | -Did LCCMR fund Phase I?<br>-No natural resource outcome<br>-\$100,000   |  | 4            | 4.8        | 0   | 0 | 2 | 2 | 2 | 3 | 4 | 4 | 4 | 5  | 6  | 6  | 9  | 9  | 10 | 10 |    | 16                    | BF                      |
| 23     | 034-A      | Winter Dynamics of Vulnerable Trout Streams: Central Minnesota         | Leonard Ferrington, U of MN                        | \$ 767,060 |  | -Capital expenditures: Two remote fish passage data collection arrays (\$13,104)<br>-Participant incentives (\$1,900)- need add'l info | 4            | 4.1        | 0   | 0 | 0 | 2 | 2 | 2 | 3 | 3 | 4 | 5  | 6  | 6  | 7  | 7  | 7  | 8  | 8  | 17                    |                         |
| 24     | 003-A      | Win-Win Forestry: Maximizing Economic and Ecological Benefits          | Alexis Grinde, U of MN - Duluth NRRI               | \$ 532,733 | -Should be funded by DNR forestry since economics is a large outcome<br>-NRRI just got \$3 million for a similar project |  | 3            | 3.1        | 0   | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 3 | 3  | 4  | 5  | 5  | 5  | 7  | 8  | 8  | 17                    |                         |
| 25     | 021-A      | Complete Sonar Data Mapping on Three Minnesota Rivers                  | Nancy Duncan, National Park Service                | \$ 525,945 |  |  | 3            | 3.2        | 0   | 0 | 0 | 0 | 1 | 1 | 3 | 3 | 3 | 3  | 4  | 4  | 6  | 6  | 7  | 7  | 7  | 17                    |                         |
| 26     | 038-A      | Taxonomic Survey of Earthworm Species in Minnesota                     | Richard Koch, Bemidji State University             | \$ 233,501 | -Could they partner or coordinate with MIPTTC?   | -Indirect costs 8%- prohibited and needs to be removed<br>-Out of state travel (airfare) - needs add'l info                            | 3            | 4.4        | 0   | 1 | 2 | 3 | 3 | 3 | 3 | 3 | 3 | 3  | 4  | 4  | 5  | 8  | 10 | 10 | 10 | 17                    |                         |
| 27     | 024-A      | Impacts of Conservation Grazing on Greater Prairie-chickens            | Charlotte Roy, MN DNR                              | \$ 560,044 |  | -DNR direct and necessary expenses   | 2            | 2.9        | 0   | 0 | 0 | 0 | 1 | 1 | 1 | 1 | 2 | 3  | 3  | 3  | 4  | 4  | 7  | 9  | 10 | 17                    |                         |
| 28     | 028-A      | Habitat Friendly Solar Impacts: Environmental and Economic Guidance    | David Mulla, U of MN                               | \$ 751,048 | -Not activity 3  |  | 2            | 3.4        | 0   | 0 | 1 | 1 | 1 | 1 | 2 | 2 | 2 | 4  | 5  | 5  | 6  | 6  | 6  | 8  | 8  | 17                    |                         |

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|--------|---|--|--|------------|-------------------------------|--|--------------|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|-----------------------|-------------------------|
|        |   |  |  |            |                               |  |              |            | 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |                       |                         |
| 30     | <b>A. Foundational Natural Resource Data and Information</b>                                    |  |  |            |                               |  |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |
| 31     | <b>H. Proposals seeking \$200,000 or less in funding (9 Proposals / Subtotal = \$1,731,000)</b> |  |  |            |                               |  |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |
| 32     | 049-AH  | Tools for Supporting Healthy Ecosystems and Pollinators                    | Jessica Petersen, MN DNR                 | \$ 198,397 |                               | -DNR direct and necessary expenses   | 9            | 7.6        | 0   | 4 | 4 | 4 | 7 | 7 | 8 | 8 | 9 | 9  | 10 | 10 | 10 | 10 | 10 | 10 | 17 |                       |                         |
| 33     | 047-AH  | Do Beavers Buffer Against Droughts and Floods?                             | Steve Windels, Voyageurs National Park   | \$ 168,400 |                               | -Computer software, licensing-- need add'l info<br>-Office supplies: ineligible; needs to be removed | 7            | 6.2        | 0   | 0 | 1 | 3 | 4 | 4 | 6 | 7 | 7 | 8  | 8  | 8  | 9  | 10 | 10 | 10 | 10 | 17                    |                         |
| 34     | 048-AH  | Enhancing Bat Recovery by Optimizing Artificial Roost Structures           | Ed Quinn, MN DNR                         | \$ 190,271 |                               | -DNR direct and necessary expenses   | 7            | 6.2        | 0   | 1 | 1 | 3 | 5 | 5 | 7 | 7 | 7 | 8  | 8  | 8  | 8  | 8  | 10 | 10 | 10 | 17                    |                         |
| 35     | 056-AH  | Conserving Black Terns and Forsters Terns in Minnesota                     | Annie Bracey, U of MN - Duluth NRRRI     | \$ 198,640 |                               |  | 6            | 5.3        | 0   | 0 | 0 | 2 | 2 | 3 | 3 | 6 | 6 | 7  | 7  | 8  | 8  | 9  | 9  | 10 | 10 | 17                    |                         |
| 36     | 051-AH  | Modern eDNA Technology for Better Game Fish Census                         | Michael Sadowsky, U of MN                | \$ 200,000 |                               |  | 5            | 5.2        | 0   | 0 | 2 | 3 | 3 | 3 | 4 | 4 | 5 | 6  | 6  | 7  | 8  | 9  | 9  | 9  | 10 | 17                    |                         |
| 37     | 058-AH  | How to Save the Cisco-Trout Lakes  | John Downing, U of MN -Duluth- Sea Grant | \$ 185,438 |                               | -Capital Expenditure: \$14,725 multi-parameter Sonde   | 5            | 5.3        | 0   | 0 | 1 | 3 | 4 | 4 | 4 | 4 | 5 | 5  | 7  | 7  | 8  | 9  | 9  | 10 | 10 | 17                    |                         |
| 38     | 062-AH  | Engagement and Monitoring for the Insect Apocalypse                        | Jessica Petersen, MN DNR                 | \$ 191,824 |                               | -DNR direct and necessary expenses   | 5            | 5.4        | 0   | 0 | 0 | 1 | 2 | 3 | 4 | 4 | 5 | 7  | 8  | 8  | 9  | 10 | 10 | 10 | 10 | 17                    |                         |
| 39     | 064-AH  | Environmental Factors Influencing Nutritional Content of Wild Rice         | Emily Onello, U of MN                    | \$ 198,092 |                               |  | 4            | 4.6        | 0   | 0 | 0 | 1 | 1 | 2 | 3 | 3 | 4 | 4  | 7  | 8  | 8  | 9  | 9  | 10 | 10 | 17                    |                         |
| 40     | 066-AH  | Understanding Environmental Factors that Impact Minnesota Tick Populations | Jesse Berman, U of MN                    | \$ 199,938 | -Omitted impact from wildlife |  | 3            | 4.8        | 0   | 1 | 2 | 2 | 2 | 2 | 2 | 3 | 3 | 5  | 6  | 7  | 9  | 9  | 9  | 10 | 10 | 17                    |                         |

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|        |  |   |  |              |  |   |              |            | 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |                       |                         |  |
| 42     | <b>B. Water Resources (19 Proposals / Subtotal = \$11,081,192)</b> |   |  |              |  |   |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |  |
| 43     | 070-B  | Unprecedented Change Threatens Minnesota's Pristine Lakes               | Mark Edlund, Science Museum of Minnesota             | \$ 849,392   |  | -Capital expenditure- water quality sonde \$20,000  | 8            | 6.8        | 1   | 3 | 4 | 4 | 5 | 5 | 7 | 7 | 8 | 8  | 8  | 8  | 8  | 10 | 10 | 10 | 10 | 17                    |                         |  |
| 44     | 080-B  | Managing Highly Saline Waste from Municipal Water Treatment             | Natasha Wright, U of MN                              | \$ 255,000   |  | -Patent potential   | 8            | 6.9        | 2   | 2 | 5 | 5 | 5 | 7 | 7 | 7 | 8 | 8  | 8  | 8  | 8  | 8  | 8  | 10 | 10 | 10                    | 17                      |  |
| 45     | 098-B  | Developing Strategies to Manage PFAS in Land-Applied Biosolids          | Summer Streets, Minnesota Pollution Control Agency   | \$ 1,403,556 | -Assumes continues land application of PFAS  | -Large single source contract to out of state researcher-- need add'l info  | 8            | 6.4        | 0   | 0 | 2 | 2 | 3 | 5 | 7 | 8 | 8 | 8  | 8  | 9  | 9  | 9  | 10 | 10 | 10 | 17                    |                         |  |
| 46     | 083-B  | Technology for Energy-Generating Onsite Industrial Wastewater Treatment | Paige Novak, U of MN                                 | \$ 474,939   |  |   | 7            | 6.0        | 0   | 0 | 2 | 4 | 4 | 5 | 6 | 6 | 7 | 7  | 7  | 7  | 8  | 9  | 10 | 10 | 10 | 17                    |                         |  |
| 47     | 087-B  | Microplastics: Transporters of Contaminants in Minnesota Waters         | Lee Penn, U of MN                                    | \$ 448,630   | -Combine with 71-b [line 55]   | -Staff confirmed cost savings if funded with 71-B (line 55) request amount could be \$358,933   | 6            | 4.9        | 0   | 0 | 0 | 0 | 1 | 2 | 2 | 4 | 6 | 7  | 7  | 8  | 8  | 8  | 10 | 10 | 10 | 17                    |                         |  |
| 48     | 075-B  | Understanding and Managing Persistent Chloride Pollution in Freshwaters | Jacques Finlay, U of MN                              | \$ 299,000   | -Prevention is key -\$150,000  |   | 5            | 4.0        | 0   | 0 | 0 | 1 | 1 | 3 | 3 | 4 | 5 | 5  | 5  | 6  | 6  | 6  | 7  | 8  | 8  | 17                    |                         |  |
| 49     | 076-B  | Reducing Chloride in Minnesota's Water from Water Softening             | Sara Heger, U of MN                                  | \$ 362,699   | -Reaction from industry?   | -ETS-water softener replacement/rebate program 50 homes \$50,000<br>-Capital expenditures: enclosed trailer \$8,000   | 5            | 5.1        | 0   | 0 | 1 | 2 | 2 | 4 | 5 | 5 | 5 | 7  | 7  | 7  | 7  | 7  | 8  | 9  | 10 | 17                    |                         |  |
| 50     | 078-B  | Bacterial Starvation for Improved Toxic Contaminant Treatment           | Paige Novak, U of MN                                 | \$ 235,854   |  |   | 5            | 5.0        | 0   | 0 | 1 | 1 | 3 | 4 | 4 | 5 | 5 | 6  | 6  | 7  | 8  | 8  | 8  | 9  | 10 | 17                    |                         |  |
| 51     | 082-B  | Is Glyphosate causing harmful Algal Blooms?                             | James Cotner, U of MN                                | \$ 427,000   | -What is the status of earlier Harmful Algal Bloom projects?<br>-Does this expand on those projects? | -Single source contract-Barbara Cade-Menum Ag and Agri-food, Canada \$6,000-- need add'l info<br>-Capital expenditures: Incubator \$15,000<br>-Travel expenses-conferences: need add'l info | 5            | 5.1        | 0   | 0 | 0 | 1 | 1 | 2 | 4 | 5 | 5 | 6  | 7  | 8  | 8  | 9  | 10 | 10 | 10 | 17                    |                         |  |
| 52     | 104-B  | Quantifying A New Urban Precipitation/Water Reality                     | Joe Magner, U of MN                                  | \$ 1,377,893 |  | -Cellular modem for communications - need add'l info<br>-Two laptops - needs add'l info   | 5            | 5.1        | 0   | 0 | 0 | 0 | 0 | 1 | 5 | 5 | 5 | 8  | 8  | 8  | 9  | 9  | 9  | 10 | 10 | 17                    |                         |  |
| 53     | 110-B  | Increased Sample Capacity for Analysis of Pesticides                    | Heather Johnson, Minnesota Department of Agriculture | \$ 736,079   | -Conflict with 116P  | -Capital expenditure-direct inject instrument-\$499,470   | 5            | 4.8        | 0   | 0 | 0 | 0 | 0 | 1 | 2 | 4 | 5 | 5  | 7  | 8  | 9  | 10 | 10 | 10 | 10 | 17                    |                         |  |

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|        |            |   |  |            |  |  |              |            | 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |                       |                         |  |  |
|        |            |   |  |            |  |  |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |  |  |
| 54     | 114-       | Innovative Solution for Protecting Minnesota from PFAS contamination                                  | Bill Keegan, Dem-Con                           | \$ 750,000 | -Conflict with 116P<br>-This appears to be technology development at a private level. If it proceeds, LCCMR should require an IP position.<br>-Financial statement from bank says it "provides this company with a moderate eight-figure multi year credit facility" | -Capital expenditure-LeachBuster \$650,000<br>-Builds technology to remove PFAS in a private landfill  | 5            | 4.8        | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 2 | 5  | 8  | 8  | 9  | 9  | 10 | 10 | 10 | 10                    | 17                      |  |  |
| 55     | 071-B      | Microplastics: Occurrence, Toxins, and Detection with Drones  | Ardeshir Ebtehaj, U of MN                      | \$ 450,000 | -Maybe combine this and 87-B [line 47] into one project?<br>-Overlap with 87b?   | -Staff confirmed cost savings if funded with 87- request amount could be \$\$356,069 (line 47)<br>-Capital Expenditure: \$22,000<br>Spectroradiometric camera for drone measurements | 4            | 4.5        | 0   | 0 | 0 | 0 | 2 | 3 | 3 | 3 | 4 | 5  | 5  | 7  | 8  | 8  | 9  | 10 | 10 | 17                    |                         |  |  |
| 56     | 073-B      | Preventing Harmful Algal Blooms through Improved Stormwater Detention                                 | John Gulliver, U of MN                         | \$ 619,031 | -What is the status of earlier Harmful Algal Bloom projects?<br>-Does this expand on those projects?<br>-Need to know impact on wildlife   | -Potential single source contract- need add'l info   | 4            | 3.6        | 0   | 0 | 1 | 2 | 2 | 2 | 3 | 4 | 4 | 4  | 4  | 5  | 5  | 5  | 6  | 7  | 8  | 17                    |                         |  |  |
| 57     | 085-B      | Our Future Drinking Water: Nitrate, Tile, and Climate   | James Almendinger, Science Museum of Minnesota | \$ 330,000 |  | -Conference-need add'l info  | 4            | 5.2        | 0   | 0 | 0 | 1 | 2 | 3 | 4 | 4 | 4 | 7  | 8  | 9  | 9  | 9  | 9  | 10 | 10 | 17                    |                         |  |  |
| 58     | 086-B      | Groundwater Microbiology Phase 2: Private Wells   | Raymond Hozalski, U of MN                      | \$ 499,196 | -Dept. of Health should do this<br>-Ag and Health Departments need to be involved  |  | 4            | 4.2        | 0   | 0 | 0 | 0 | 2 | 2 | 3 | 4 | 4 | 5  | 6  | 7  | 7  | 8  | 8  | 8  | 8  | 17                    |                         |  |  |
| 59     | 069-B      | Assessing the Value of Green Infrastructure within Minnesota's Water Infrastructure Funding Shortfall | Terin Mayer, U of MN                           | \$ 384,923 | -Much of this is done by the Public Facilities Authority-any new study should be in collaboration with them  | -Proposer is a grad student  | 3            | 3.4        | 0   | 0 | 0 | 0 | 2 | 2 | 3 | 3 | 3 | 4  | 4  | 5  | 5  | 5  | 5  | 7  | 10 | 17                    |                         |  |  |
| 60     | 074-B      | Trace Organic Contaminants in Groundwater from Stormwater Infiltration                                | Sarah Elliott, U.S. Geological Survey          | \$ 910,000 |  | -Administrative assistant, IT and database assistant: need to state this is for actual work performed on the project   | 3            | 3.3        | 0   | 0 | 0 | 2 | 2 | 2 | 3 | 3 | 3 | 4  | 4  | 4  | 5  | 5  | 6  | 6  | 7  | 17                    |                         |  |  |
| 61     | 108-B      | Vermillion River Surface Water and Groundwater Nitrate Impacts  | Valerie Grover, Dakota County                  | \$ 268,000 |  |  | 2            | 3.4        | 0   | 0 | 0 | 0 | 1 | 1 | 2 | 2 | 2 | 5  | 5  | 5  | 5  | 6  | 6  | 7  | 10 | 17                    |                         |  |  |

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|--------|------------|---|----------------------------------|------------|---|---|--------------|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|-----------------------|-------------------------|
|        |            |   |                                  |            |   |   |              |            | 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |                       |                         |
| 63     |            | <b>B. Water Resources</b>   |                                  |            |   |   |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |
| 64     |            | <b>H. Proposals seeking \$200,000 or less in funding (2 Proposals / Subtotal = \$360,697)</b> |                                  |            |   |   |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |
| 65     | 116-BH     | Expanding Protection of Minnesota Water through Industrial Conservation                       | Laura Babcock, U of MN           | \$ 178,430 | -Any corporate support?<br>-this is common sense and should be done by the private sector |   | 6            | 5.3        | 0   | 2 | 3 | 3 | 3 | 4 | 4 | 4 | 6 | 6  | 6  | 6  | 7  | 8  | 8  | 10 | 10 | 17                    |                         |
| 66     | 117-BH     | Minnesota Sentinel Springs, Understanding Groundwater Recharge and Chemistry                  | John Barry, MN DNR               | \$ 182,267 |   | - 3 single source contracts - needs add'l info<br>- DNR Direct and Necessary expenses | 5            | 4.2        | 0   | 0 | 0 | 2 | 2 | 3 | 4 | 4 | 5 | 5  | 5  | 5  | 6  | 7  | 7  | 7  | 9  | 17                    |                         |

| Line # | LCCMR ID #   | Project Title  | Project Manager and Organization                                    | \$ Request   | Member Notes  | Staff Notes   | Median Score | Mean Score | Distribution of Member Scores - Low to High |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | # Members that Scored | # Members with Conflict |
|--------|--|--|---|--------------|---|---|--------------|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|-----------------------|-------------------------|
|        |  |  |   |              |   |   |              |            | 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |                       |                         |
| 68     | <b>C. Environmental Education (8 Proposals / Subtotal = \$4,659,057)</b> |  |   |              |   |   |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |
| 69     | 122-C  | Statewide Environmental Education via Public Television Outdoor Series     | Cindy Dorn, Pioneer Public Television                               | \$ 300,000   | -What is status of earlier series?<br>-What was viewership?   |   | 9            | 7.5        | 0   | 1 | 4 | 6 | 6 | 7 | 8 | 9 | 9 | 9  | 9  | 9  | 10 | 10 | 10 | 10 | 10 | 17                    |                         |
| 70     | 124-C  | TeachScience: Schools as STEM living laboratories                          | Kristen Poppleton, Climate Generation: A Will Steger Legacy         | \$ 368,505   |   | -Single source contracts-need add'l info<br>-Workshop meals for participants- need add'l info<br>-Honorariums for speakers- need add'l info                                   | 7            | 5.3        | 0   | 0 | 0 | 0 | 0 | 4 | 5 | 6 | 7 | 7  | 8  | 8  | 8  | 9  | 9  | 9  | 10 | 17                    |                         |
| 71     | 125-C  | Mentoring the Next Generation of Conservation Professionals                | Deborah Loon, Minnesota Valley National Wildlife Refuge Trust, Inc. | \$ 755,544   | -General question for youth based activities - Does LCCMR require background checks for all funded staff that works with youth?<br>-Partial fund                                      |   | 7            | 5.9        | 0   | 0 | 0 | 3 | 5 | 5 | 5 | 5 | 7 | 7  | 8  | 9  | 9  | 9  | 9  | 10 | 10 | 17                    |                         |
| 72     | 127-C  | Jay C. Hormel Nature Center Supplemental Teaching Staff                    | Luke Reese, City of Austin  | \$ 252,898   | -No relation to Mike Reese.<br>-Partial fund  |   | 7            | 6.2        | 0   | 0 | 2 | 5 | 5 | 5 | 5 | 5 | 7 | 8  | 8  | 8  | 9  | 9  | 9  | 10 | 10 | 17                    |                         |
| 73     | 129-C  | 450 Underserved, Diverse Youth Gain Environmental Education                | Beth Becker, YMCA of the Greater Twin Cities                        | \$ 428,250   | -General question for youth based activities - Does LCCMR require background checks for all funded staff that works with youth?<br>-Limit \$ for YMCA O/H<br>-Use \$ for scholarships |   | 7            | 5.5        | 0   | 0 | 0 | 0 | 0 | 5 | 6 | 7 | 7 | 8  | 8  | 8  | 9  | 9  | 9  | 9  | 9  | 17                    |                         |
| 74     | 123-C  | Minnesota Freshwater Quest: Environmental Education on State Waterways     | Julie Edmiston, Wilderness Inquiry                                  | \$ 1,432,110 | -General question for youth based activities - Does LCCMR require background checks for all funded staff that works with youth?   |   | 5            | 5.1        | 0   | 0 | 0 | 2 | 3 | 3 | 5 | 5 | 5 | 7  | 7  | 8  | 8  | 8  | 8  | 8  | 9  | 17                    |                         |
| 75     | 134-C  | Restoring Land, Reviving Heritage: Conservation Through Indigenous Culture | Katie Bloome, Belwin Conservancy                                    | \$ 606,885   |   |   | 5            | 4.7        | 0   | 0 | 0 | 0 | 0 | 0 | 1 | 4 | 5 | 6  | 8  | 8  | 9  | 9  | 10 | 10 | 10 | 17                    |                         |
| 76     | 128-C  | UMD Boreal Observatory at Chik-Wauk on the Gunflint                        | Joel Halvorson, U of MN - Duluth                                    | \$ 514,865   |   | -Capital expenditure: \$16,000 panoramic display screen<br>-Capital expenditure: \$12,000 projector with fisheye lens<br>-Capital expenditure: \$6,000 full dome video camera | 4            | 3.9        | 0   | 0 | 0 | 0 | 0 | 1 | 2 | 2 | 4 | 4  | 5  | 5  | 6  | 9  | 9  | 10 | 10 | 17                    |                         |

| Line # | LCCMR ID #   | Project Title   | Project Manager and Organization                               | \$ Request | Member Notes   | Staff Notes                                      | Median Score | Mean Score | Distribution of Member Scores - Low to High |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | # Members that Scored | # Members with Conflict |
|--------|--|---|--|------------|--|--|--------------|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|-----------------------|-------------------------|
|        |  |   |  |            |  |  |              |            | 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |                       |                         |
| 78     | <b>C. Environmental Education</b>  |   |  |            |  |  |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |
| 79     | <b>H. Proposals seeking \$200,000 or less in funding (4 Proposal / Subtotal = \$689,758)</b> |   |  |            |  |  |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |
| 80     | 137-CH   | YES! Students Take on Water Quality Challenge Phase-II                | Shelli-Kae Foster, Prairie Woods Environmental Learning Center | \$ 199,700 |  | -Substitute teacher and mileage--need add'l info | 8            | 8.0        | 5   | 5 | 6 | 7 | 7 | 7 | 8 | 8 | 8 | 9  | 9  | 9  | 9  | 9  | 10 | 10 | 10 | 17                    |                         |
| 81     | 139-CH   | Driving Conservation Behavior for Mussels and Water Quality           | Emily Kalnicky, Minnesota Zoological Society                   | \$ 191,580 |  |  | 8            | 6.8        | 1   | 1 | 3 | 5 | 5 | 5 | 6 | 7 | 8 | 8  | 8  | 9  | 9  | 10 | 10 | 10 | 10 | 17                    |                         |
| 82     | 138-CH   | Engaging Minnesotans with Phenology: Radio, Podcasts, Citizen Science | Maggie Montgomery, Northern Community Radio, Inc.              | \$ 198,478 |  | -Single source contracts-need add'l information  | 6            | 6.1        | 0   | 0 | 2 | 3 | 3 | 4 | 5 | 6 | 6 | 7  | 9  | 9  | 10 | 10 | 10 | 10 | 10 | 17                    |                         |
| 83     | 145-CH   | River Watch on the Minnesota River                                    | Ted Suss, Friends of the Minnesota Valley                      | \$ 100,000 | -Many local folks or school do this now without state \$ |  | 5            | 5.2        | 0   | 0 | 1 | 2 | 3 | 4 | 5 | 5 | 5 | 5  | 6  | 6  | 7  | 9  | 10 | 10 | 10 | 17                    |                         |

| Line # | LCCMR ID #  | Project Title   | Project Manager and Organization                     | \$ Request   | Member Notes  | Staff Notes   | Median Score | Mean Score | Distribution of Member Scores - Low to High |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | # Members that Scored | # Members with Conflict |
|--------|---|---|--|--------------|---|---|--------------|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|-----------------------|-------------------------|
|        |   |   |  |              |   |   |              |            | 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |                       |                         |
| 85     | <b>D. Aquatic and Terrestrial Invasive Species (9 Proposals / Subtotal = \$17,531,896)</b>    |   |  |              |   |   |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |
| 86     | 155-D   | Minnesota Invasive Terrestrial Plants and Pests Center (MITPPC) Phase 5 | Robert Venette, U of MN - MITPPC                     | \$ 7,000,000 | -Needs to be scalable<br>-\$5,000,000                                     |   | 9            | 8.4        | 4   | 5 | 5 | 6 | 8 | 8 | 9 | 9 | 9 | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 17 |                       |                         |
| 87     | 157-D   | White Nose Bat Syndrome Biological Control: Phase 3                     | Christine Salomon, U of MN                           | \$ 444,636   |   |   | 8            | 7.4        | 0   | 0 | 6 | 7 | 7 | 7 | 7 | 8 | 9 | 9  | 9  | 10 | 10 | 10 | 10 | 10 | 17 |                       |                         |
| 88     | 159-D   | EAB and Black Ash: Maintaining Forests and Benefits                     | Robert Slesak, U of MN                               | \$ 774,000   |   |   | 8            | 7.4        | 0   | 3 | 5 | 5 | 6 | 6 | 7 | 8 | 8 | 8  | 9  | 10 | 10 | 10 | 10 | 10 | 17 |                       |                         |
| 89     | 156-D   | Protect Community Forests by Managing Ash for EAB                       | Valerie McClannahan, MN DNR                          | \$ 5,929,174 | -Scalable<br>-\$3,000,000<br>-Not Ready                                   |   | 7            | 6.1        | 0   | 1 | 1 | 4 | 4 | 5 | 6 | 7 | 7 | 7  | 8  | 9  | 9  | 10 | 10 | 10 | 16 | DM                    |                         |
| 90     | 158-D   | Applying New Tools and Techniques against Invasive Carp                 | Brian Nerbonne, MN DNR                               | \$ 578,000   |   | - Capital Equipment: \$30,000 Attractant Station<br>- DNR Direct and Necessary  | 7            | 7.1        | 2   | 4 | 5 | 6 | 6 | 6 | 6 | 7 | 7 | 7  | 8  | 8  | 9  | 9  | 10 | 10 | 10 | 17                    |                         |
| 91     | 160-D   | Tactical Invasive Plant Management Plan Development and Implementation  | Monika Chandler, Minnesota Department of Agriculture | \$ 658,137   | -Needs to be funded at the Dept. of Ag; it is a basic government function | 7/8/19- wants to reduce budget<br>-Staff confirmed new budget of \$441,237 (this is adjusted on the allocation spreadsheet staff are using to record member allocation amounts) | 5            | 4.7        | 0   | 0 | 1 | 1 | 1 | 2 | 3 | 5 | 5 | 5  | 6  | 7  | 7  | 8  | 9  | 10 | 10 | 17                    |                         |
| 92     | 162-D   | Ticks! A Rising Threat in Minnesota                                     | Jonathan Oliver, U of MN                             | \$ 300,000   | -Needs to be evaluated by the invasive species center                     |   | 5            | 5.2        | 0   | 0 | 2 | 2 | 3 | 4 | 4 | 5 | 5 | 5  | 6  | 6  | 8  | 8  | 10 | 10 | 10 | 17                    |                         |
| 93     | 161-D   | Enhancing Habitat and Diversity in Cattail-Dominated Shorelines         | Amy Schrank, U of MN                                 | \$ 582,994   |   |   | 4            | 3.7        | 0   | 0 | 0 | 1 | 3 | 3 | 3 | 4 | 4 | 4  | 4  | 4  | 5  | 5  | 6  | 7  | 10 | 17                    |                         |
| 94     | 164-D   | Stop Starry Invasion - Community Invasive Species Containment           | Jeff Forester, Minnesota Lakes and Rivers Advocates  | \$ 1,264,955 | Is MAISRC doing research on Starry Stonewort?<br>-Should be general fund  | -Capital Expenditure: \$728,000 waterless boat cleaning stations  | 3            | 4.6        | 0   | 0 | 0 | 0 | 0 | 1 | 2 | 3 | 3 | 6  | 7  | 8  | 9  | 9  | 10 | 10 | 10 | 17                    |                         |
| 96     | <b>D. Aquatic and Terrestrial Invasive Species</b>  |   |  |              |   |   |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |
| 97     | <b>H. Proposals seeking \$200,000 or less in funding (3 Proposals / Subtotal = \$508,095)</b> |   |  |              |   |   |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |
| 98     | 167-DH  | How Effective and Protective are AIS Removal Methods?                   | Valerie Brady, U of MN - Duluth NRRI                 | \$ 110,699   |   |   | 6            | 5.6        | 0   | 1 | 1 | 2 | 2 | 3 | 3 | 5 | 6 | 7  | 7  | 9  | 9  | 10 | 10 | 10 | 10 | 17                    |                         |
| 99     | 168-DH  | Invasive Rock Snot Threatens North Shore Streams                        | Mark Edlund, Science Museum of Minnesota             | \$ 197,896   |   |   | 6            | 6.1        | 0   | 0 | 1 | 3 | 5 | 5 | 6 | 6 | 6 | 7  | 8  | 8  | 9  | 10 | 10 | 10 | 10 | 17                    |                         |
| 100    | 169-DH  | Rainy Lake Non-native Hybridized Cattail Removal                        | Eric Olson, Koochiching SWCD                         | \$ 199,500   | -Conflict with RFP  |   | 4            | 4.3        | 0   | 0 | 0 | 0 | 0 | 2 | 2 | 3 | 4 | 5  | 5  | 7  | 8  | 8  | 9  | 10 | 10 | 17                    |                         |

| Line # | LCCMR ID #   | Project Title   | Project Manager and Organization | \$ Request   | Member Notes  | Staff Notes  | Median Score | Mean Score | Distribution of Member Scores - Low to High |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | # Members that Scored | # Members with Conflict |
|--------|--|---|----------------------------------|--------------|---|--|--------------|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|-----------------------|-------------------------|
|        |  |   |                                  |              |   |  |              |            | 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |                       |                         |
| 102    | <b>E. Air Quality, Climate Change, and Renewable Energy (4 Proposals / Subtotal = \$6,891,749)</b> |   |                                  |              |   |  |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |
| 103    | 173-E  | Storing Renewable Energy in Flow-Battery for Grid Use | Bryan Herrmann, U of MN - Morris | \$ 3,271,229 | -What is the value of the electricity generated each year? Who gets the revenue? LCCMR?<br>-Activity 1 and 3 only<br>-I am not concerned about the electric revenue, we do need to develop means to store electricity.<br>-Maybe gain revenue from patent potential<br>-Should be done with private \$ - not state \$ | -Contract for installation of battery - need add'l info on selection<br>-Contract for battery operations and maintenance- \$150k (\$50k x 3 years)<br>-Single source contract- needs add'l info<br>-Capital Expenditures: \$300,000 for 10 inverters<br>-Capital Expenditures: \$50,000 Site Controller<br>-Capital Expenditures: \$1,250,000 50 kW solar array<br>-Capital Expenditures: \$250,000 battery purchase   | 5.5          | 5.6        | 0   | 0 | 0 | 2 | 3 | 4 | 5 | 5 | 6 | 8  | 8  | 9  | 10 | 10 | 10 | 10 | 16 | MR                    |                         |
| 104    | 176-E  | Produce Marketable Liquid Fuels from Plastic Wastes   | Paul Chen, U of MN               | \$ 383,000   |   |  | 4            | 4.4        | 0   | 0 | 0 | 2 | 2 | 2 | 2 | 3 | 4 | 5  | 5  | 6  | 7  | 7  | 9  | 10 | 10 | 17                    |                         |
| 105    | 192-E  | Phase 2: Integrated Small-Scale Ammonia Synthesis     | Alon McCormick, U of MN          | \$ 2,108,520 |   | -Co-Investigator @ 25% FTE- need add'l info  | 3            | 3.8        | 0   | 0 | 0 | 0 | 1 | 2 | 2 | 3 | 3 | 3  | 4  | 4  | 9  | 9  | 10 | 10 | 16 | MR                    |                         |
| 106    | 194-E  | Minnesota Shrimp Production Using Clean Energy        | Robert Gardner, U of MN          | \$ 1,129,000 | -Should be private sector doing this work   | -Potential single source contracts (3): all need add'l info<br>-Capital Expenditure: \$195,500 Modified 40 ft shipping container<br>-Capital Expenditure: \$30,000 10kW Solar PV system<br>-Capital Expenditure: \$15,000 Battery pack and control system<br>-Capital Expenditure: \$16,000 Solar thermal system<br>-Capital Expenditure: \$12,000 Water filtration and circulation system<br>-Capital Expenditure: \$26,000 Data acquisition and control system<br>-Postage and advertising for Midwest Farm Energy Conference - prohibited, will need to be removed<br>-Revenue generation: Reinvest or return to ENRTF per 116P.10? | 1            | 2.4        | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 1 | 1  | 1  | 2  | 4  | 4  | 8  | 8  | 10 | 16                    | MR                      |

| Line # | LCCMR ID #  | Project Title  | Project Manager and Organization                           | \$ Request | Member Notes   | Staff Notes   | Median Score | Mean Score | Distribution of Member Scores - Low to High |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | # Members that Scored | # Members with Conflict |  |
|--------|---|--|--|------------|--|---|--------------|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|-----------------------|-------------------------|--|
|        |   |  |  |            |  |   |              |            | 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |                       |                         |  |
| 108    | <b>E. Air Quality, Climate Change, and Renewable Energy</b>                                   |  |  |            |  |   |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |  |
| 109    | <b>H. Proposals seeking \$200,000 or less in funding (5 Proposals / Subtotal = \$849,258)</b> |  |  |            |  |   |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |  |
| 110    | 198-EH  | Eco-Friendly Plastics from Cloquet Pulp-Mill Lignin                  | Simo Sarkanen, U of MN                                     | \$ 193,967 | -Economic project  |   | <b>7</b>     | 5.4        | 0   | 0 | 0 | 1 | 3 | 3 | 4 | 5 | 7 | 7  | 8  | 8  | 8  | 9  | 9  | 10 | 10 | 17                    |                         |  |
| 111    | 199-EH  | Diverting Unsold Food from Landfills, Reducing Greenhouse Gases      | April Rog, Second Harvest Heartland                        | \$ 130,000 |  |   | <b>7</b>     | 6.1        | 0   | 1 | 1 | 3 | 3 | 3 | 7 | 7 | 7 | 8  | 8  | 8  | 8  | 10 | 10 | 10 | 10 | 17                    |                         |  |
| 112    | 196-EH  | The Beltrami County Climate Vulnerability Assessment                 | Joel Anastasio, Headwaters Regional Development Commission | \$ 180,000 |  | -ETS-food-needs add'l info  | <b>4</b>     | 4.1        | 0   | 0 | 0 | 0 | 1 | 2 | 3 | 4 | 4 | 4  | 6  | 6  | 7  | 7  | 8  | 8  | 9  | 17                    |                         |  |
| 113    | 201-EH  | Identifying Agricultural Energy Consumption and Impacts in Minnesota | Joel Tallaksen, U of MN                                    | \$ 146,791 |  | -Printing-needs details   | <b>3.5</b>   | 3.9        | 0   | 0 | 1 | 1 | 1 | 2 | 2 | 3 | 4 | 5  | 6  | 6  | 6  | 6  | 10 | 10 | 16 | MR                    |                         |  |
| 114    | 205-EH  | Rural Distributed Renewable Energy and Back-Up Power                 | Jill Thibert, Northwest Renewable Energy LLC               | \$ 198,500 | -Conflict with 116P<br>-This appears to be technology development at a private level. If it proceeds, LCCMR should require an IP position.<br>-May be a good idea but LCCMR # should not be spent here | -Capital Expenditures-SolarBank System components - PV Panels, Racking, Batteries, Inverter/Chargers, Electrical-\$128,000<br>-Permits and inspections-\$5,000<br>-Revenue generation: Reinvest or return to ENRTF per 116P.10? | <b>0</b>     | 2.2        | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0  | 1  | 1  | 2  | 2  | 5  | 6  | 10 | 10                    | 17                      |  |

| Line # | LCCMR ID #   | Project Title  | Project Manager and Organization               | \$ Request | Member Notes  | Staff Notes   | Median Score | Mean Score | Distribution of Member Scores - Low to High |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |        | # Members that Scored | # Members with Conflict |
|--------|--|--|--|------------|---|---|--------------|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|--------|-----------------------|-------------------------|
|        |  |  |  |            |   |   |              |            | 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17     |                       |                         |
| 116    | <b>F. Methods to Protect, Restore, and Enhance Land, Water, and Habitat (9 Proposals / Subtotal = \$4,500,140)</b> |  |  |            |   |   |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |        |                       |                         |
| 117    | 216-F  | Implementing Hemp Crop Rotation to Improve Water Quality               | Keith Olander, Central Lakes College           | \$ 740,000 | -Only activity 1  |   | 8            | 7.5        | 0   | 3 | 4 | 7 | 7 | 8 | 8 | 8 | 8 | 9  | 10 | 10 | 10 | 10 | 10 | 15 | BF, MR |                       |                         |
| 118    | 207-F  | Pollinator Central: Habitat improvement with citizen monitoring        | Wiley Buck, Great River Greening               | \$ 981,000 | -Scalable<br>-Partial funding                             | -Travel expenses out of state-need add'l info   | 7            | 5.9        | 0   | 0 | 0 | 0 | 6 | 7 | 7 | 7 | 7 | 7  | 7  | 8  | 8  | 8  | 9  | 10 | 10     | 17                    |                         |
| 119    | 209-F  | Pollinator & Beneficial Insect Strategic Habitat Program               | Dan Shaw, MN Board of Water and Soil Resources | \$ 780,500 | -Should have been doing this for years, why just now?     | -Initiative includes potential for restorations on private lands secured with 10-15 year CRP contracts (i.e. not permanent) | 7            | 6.6        | 1   | 1 | 3 | 3 | 3 | 5 | 7 | 7 | 7 | 7  | 8  | 10 | 10 | 10 | 10 | 10 | 10     | 17                    |                         |
| 120    | 215-F  | Lignin-coated Fertilizers for Phosphate Control                        | Eric Singsaas, U of MN - Duluth NRRRI          | \$ 279,382 |   |   | 6            | 5.4        | 0   | 0 | 0 | 2 | 3 | 4 | 4 | 6 | 6 | 7  | 8  | 8  | 9  | 9  | 10 | 10 | 16     | MR                    |                         |
| 121    | 218-F  | Developing Cover Crop Systems for Sugarbeet Production                 | Anna Cates, U of MN                            | \$ 300,546 |   |   | 6            | 5.2        | 0   | 0 | 1 | 1 | 1 | 2 | 3 | 5 | 6 | 7  | 7  | 8  | 9  | 9  | 10 | 10 | 17     |                       |                         |
| 122    | 219-F  | Native Eastern Larch Beetle is Decimating Minnesota's Tamarack Forests | Brian Aukema, U of MN                          | \$ 398,180 | -How much research needs to go on without getting answers | -Capital Expenditures-2 rearing chambers \$25k  | 6            | 6.3        | 0   | 2 | 3 | 3 | 4 | 5 | 5 | 6 | 6 | 7  | 8  | 8  | 10 | 10 | 10 | 10 | 17     |                       |                         |
| 123    | 224-F  | Habitat Associations of Mississippi Bottomland Forest Marsh Birds      | Luis Ramirez, National Audubon Society         | \$ 295,336 |   |   | 6            | 4.8        | 0   | 0 | 1 | 1 | 2 | 2 | 3 | 5 | 6 | 6  | 7  | 7  | 8  | 8  | 8  | 8  | 10     | 17                    |                         |
| 124    | 214-F  | Marsh Bird Conservation Planning in St.Louis River Estuary             | Nathaniel Miller, National Audubon Society     | \$ 284,068 |   |   | 5            | 4.4        | 0   | 0 | 0 | 0 | 2 | 2 | 2 | 4 | 5 | 5  | 6  | 7  | 8  | 8  | 8  | 9  | 9      | 17                    |                         |
| 125    | 208-F  | Prairie to the People: Habitat Restoration and Education               | Dane Huinker, Wildlife Forever                 | \$ 441,128 | -Do smaller number of sites - \$250,000 plenty            | -Travel expenses - needs to be per Commissioner's Policy  | 4            | 4.5        | 0   | 0 | 0 | 0 | 1 | 1 | 3 | 3 | 4 | 5  | 6  | 7  | 8  | 9  | 9  | 10 | 10     | 17                    |                         |

| Line # | LCCMR ID #  | Project Title  | Project Manager and Organization                 | \$ Request | Member Notes   | Staff Notes                                      | Median Score | Mean Score | Distribution of Member Scores - Low to High |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | # Members that Scored | # Members with Conflict |
|--------|---|--|--|------------|--|--|--------------|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|-----------------------|-------------------------|
|        |   |  |  |            |  |  |              |            | 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |                       |                         |
| 127    | <b>F. Methods to Protect, Restore, and Enhance Land, Water, and Habitat</b>                   |  |  |            |  |  |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |
| 128    | <b>H. Proposals seeking \$200,000 or less in funding (5 Proposals / Subtotal = \$797,532)</b> |  |  |            |  |  |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |
| 129    | 244-FH  | Peatland Restoration in the Lost River State Forest              | Torin McCormack, Roseau River Watershed District | \$ 135,646 |  |  | 7            | 6.6        | 1   | 3 | 4 | 5 | 5 | 6 | 6 | 6 | 7 | 7  | 7  | 8  | 8  | 9  | 10 | 10 | 10 | 17                    |                         |
| 130    | 245-FH  | Prescribed Burning for Brushland-Dependent Species-Phase II      | Rebecca Montgomery, U of MN                      | \$ 147,428 |  | -Lodging at Cloquet Forestry Center for 2 people | 7            | 5.9        | 0   | 1 | 2 | 3 | 3 | 3 | 4 | 5 | 7 | 8  | 8  | 9  | 9  | 9  | 10 | 10 | 10 | 17                    |                         |
| 131    | 247-FH  | Pollinator Habitat Creation Along the Urban Mississippi River    | Betsy Daub, Friends of the Mississippi River     | \$ 129,297 | -Partial fund and use to do Inver Grove Heights parcel |  | 7            | 6.8        | 0   | 0 | 3 | 5 | 6 | 6 | 6 | 7 | 7 | 8  | 8  | 9  | 10 | 10 | 10 | 10 | 10 | 17                    |                         |
| 132    | 255-FH  | Increase Golden Shiner Production to Protect Aquatic Communities | John Downing, U of MN - Duluth - Sea Grant       | \$ 188,161 |  |  | 7            | 6.1        | 0   | 0 | 1 | 3 | 4 | 4 | 5 | 5 | 7 | 8  | 8  | 9  | 10 | 10 | 10 | 10 | 10 | 17                    |                         |
| 133    | 259-FH  | Restoring Turf to Native Pollinator Gardens Across Metro         | Holly Jenkins, Wilderness in the City            | \$ 197,000 |  |  | 6            | 4.9        | 0   | 0 | 0 | 2 | 2 | 5 | 5 | 5 | 6 | 6  | 6  | 7  | 7  | 7  | 7  | 9  | 10 | 17                    |                         |

| Line # | LCCMR ID #   | Project Title   | Project Manager and Organization                     | \$ Request   | Member Notes   | Staff Notes   | Median Score | Mean Score | Distribution of Member Scores - Low to High |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | # Members that Scored | # Members with Conflict |    |  |
|--------|--|---|--|--------------|--|---|--------------|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|-----------------------|-------------------------|----|--|
|        |  |   |  |              |  |   |              |            | 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |                       |                         |    |  |
| 135    | <b>G. Land Acquisition for Habitat and Recreation (21 Proposals / Subtotal = \$58,494,950)</b> |   |  |              |  |   |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |    |  |
| 136    | 263-G  | Minnesota State Parks and State Trails In-Holdings                      | Jennifer Christie, MN DNR                            | \$ 5,000,000 | -\$3,500,000   |   | 9            | 7.2        | 0   | 0 | 4 | 5 | 7 | 7 | 8 | 9 | 9 | 9  | 9  | 9  | 9  | 9  | 9  | 9  | 10 | 10                    | 17                      |    |  |
| 137    | 264-G  | Grants for Local Parks, Trails, and Natural Areas                       | Audrey Mularie, MN DNR                               | \$ 3,000,000 | -\$2,000,000   | -DNR Direct and Necessary expenses<br>-Estimated Capital Construction costs: \$ 1,950,000   | 9            | 7.8        | 0   | 3 | 5 | 7 | 7 | 7 | 8 | 9 | 9 | 9  | 9  | 9  | 10 | 10 | 10 | 10 | 10 | 10                    | 10                      | 17 |  |
| 138    | 265-G  | Mississippi River Aquatic Habitat Restoration and Mussel Reintroduction | Adam Arvidson, Minneapolis Park and Recreation Board | \$ 2,538,000 | -Scalable<br>-\$2,000,000  |   | 8            | 5.6        | 0   | 0 | 0 | 1 | 2 | 3 | 3 | 5 | 8 | 8  | 9  | 9  | 9  | 9  | 9  | 9  | 10 | 10                    | 17                      |    |  |
| 139    | 271-G  | Superior Hiking Trail As Environmental Showcase                         | Denny Caneff, Superior Hiking Trail Association      | \$ 450,000   | -\$425,000   | -Capital expenditures: snowmobile \$8,000   | 8            | 7.8        | 4   | 5 | 5 | 5 | 8 | 8 | 8 | 8 | 8 | 8  | 9  | 9  | 9  | 9  | 9  | 9  | 10 | 10                    | 17                      |    |  |
| 140    | 276-G  | Perham to Pelican Rapids Regional Trail (West Segment)                  | Charles Grotte, Otter Tail County                    | \$ 2,836,000 | -Should require matching funds<br>-Scalable<br>-Decent match<br>-Pay county staff?<br>-\$1,000,000 | -Capital Expenses: \$2,325,970 construction costs associated with 6.83 miles of trail development<br>-County staff salary: supplement/supplant?   | 8            | 6.8        | 0   | 1 | 3 | 3 | 4 | 5 | 7 | 7 | 8 | 9  | 9  | 10 | 10 | 10 | 10 | 10 | 10 | 10                    | 10                      | 17 |  |
| 141    | 261-G  | DNR Scientific and Natural Areas  | Judy Schulte, MN DNR                                 | \$ 5,875,000 | -\$3,500,000   | -DNR direct and necessary expenses  | 7            | 5.7        | 0   | 0 | 0 | 0 | 1 | 2 | 5 | 6 | 7 | 8  | 9  | 9  | 10 | 10 | 10 | 10 | 10 | 10                    | 10                      | 17 |  |
| 142    | 262-G  | Private Native Prairie Conservation through Native Prairie Bank         | Judy Schulte, MN DNR                                 | \$ 2,280,000 | -\$2,000,000   | -DNR direct and necessary expenses<br>-Stewardship funds-per M.S. 84.96   | 7            | 6.6        | 0   | 1 | 1 | 2 | 3 | 6 | 7 | 7 | 7 | 9  | 10 | 10 | 10 | 10 | 10 | 10 | 10 | 10                    | 10                      | 17 |  |
| 143    | 270-G  | Elm Creek Restoration Phase IV  | Todd Tuominen, City of Champlin                      | \$ 650,200   | -Should require matching funds<br>-\$500,000   | -Capital Expenditure: \$104,700 engineering and permitting<br>-Capital Expenditure: \$246,200 construction services<br>-Capital Expenditure: \$299,300 construction materials<br>-7/8/19- request should be changed to \$500,200<br>-Staff confirmed new budget of \$400,200 (this is adjusted on the allocation spreadsheet staff are using to record member allocation amounts) | 7            | 6.1        | 0   | 2 | 4 | 4 | 5 | 5 | 6 | 6 | 7 | 7  | 7  | 7  | 8  | 8  | 8  | 8  | 10 | 10                    | 17                      |    |  |

| Line # | LCCMR ID # | Project Title  | Project Manager and Organization            | \$ Request   | Member Notes  | Staff Notes  | Median Score | Mean Score | Distribution of Member Scores - Low to High |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | # Members that Scored | # Members with Conflict |  |
|--------|------------|--|---|--------------|---|--|--------------|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|-----------------------|-------------------------|--|
|        |            |  |   |              |   |  |              |            | 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |                       |                         |  |
| 144    | 283-G      | Ranier Safe Harbor/Transient Dock on Rainy Lake                            | Sherril Gautreaux, City of Ranier           | \$ 762,650   | -Should require matching funds  | -Capital expenditures: \$762,650 for construction of a dock for boats 26' or longer  | 7            | 5.6        | 0   | 0 | 0 | 0 | 0 | 0 | 2 | 6 | 6 | 7  | 8  | 8  | 9  | 9  | 10 | 10 | 10 | 10                    | 17                      |  |
| 145    | 266-G      | Minnesota Hunter Walking Trails, Public Land Recreational Access           | Gary Drotts, Ruffed Grouse Society          | \$ 545,000   | -\$300,000  |  | 6            | 5.9        | 0   | 0 | 2 | 4 | 4 | 5 | 5 | 5 | 6 | 7  | 7  | 8  | 9  | 9  | 10 | 10 | 10 | 17                    |                         |  |
| 146    | 274-G      | Acquire Riverfront Land at Upper St. Anthony Falls                         | Kjersti Monson, Friends of the Lock & Dam   | \$ 3,000,000 | -Scalable<br>-Acquisition only with match<br>-Our congressional delegation should get title transferred without spending state \$ | -Capital Expenditures: \$1,250,000 Site capital improvements - add'l details needed on specific improvements   | 6            | 5.2        | 0   | 0 | 0 | 0 | 0 | 2 | 5 | 5 | 6 | 7  | 8  | 8  | 9  | 9  | 10 | 10 | 10 | 17                    |                         |  |
| 147    | 275-G      | Whiskey Creek & Mississippi River Water Quality/Habitat/Recreation Project | Tim Terrill, Mississippi Headwaters Board   | \$ 1,470,500 | -Not salary but other parts of the project<br>-\$500,000 acquisition  | -Director salary- needs to state this is for actual work conducted on the project  | 6            | 6.0        | 0   | 1 | 3 | 4 | 5 | 5 | 5 | 6 | 6 | 7  | 7  | 8  | 8  | 8  | 9  | 10 | 10 | 17                    |                         |  |
| 148    | 277-G      | Crow Wing County Community Natural Area Acquisition                        | Ryan Simonson, Crow Wing County             | \$ 405,000   | -Needs match<br>-\$300,000 County match needed  | -County lands are open to ATVs unless posted closed<br>-Revenue generation: Reinvest or return to ENRTF per 116P.10?   | 6            | 6.1        | 0   | 1 | 2 | 3 | 4 | 4 | 5 | 5 | 6 | 8  | 8  | 9  | 9  | 9  | 10 | 10 | 10 | 17                    |                         |  |
| 149    | 279-G      | Rocori Trail Phase 3   | Pete Weber, ROCORI Trail Construction Board | \$ 1,260,000 | -Should require matching funds<br>-Scalable<br>-\$378,000 per mile!<br>-\$1,000,000   | -Capital expenditures: \$891,730 for construction of 2.3 miles of trail  | 6            | 5.6        | 0   | 1 | 1 | 1 | 3 | 3 | 5 | 5 | 6 | 6  | 8  | 8  | 8  | 8  | 10 | 10 | 10 | 10                    | 17                      |  |
| 150    | 284-G      | Crane Lake Voyageurs National Park Campground & Visitors Center            | Jim Janssen, Town of Crane Lake             | \$ 3,600,000 | -Should require matching funds<br>-Scalable<br>-All capital-how many centers needed?  | -Capital expenditures: \$3,600,000 to design and construct a new campground and to designed and conduct site prep for a Visitors Center<br>-Revenue generation: Reinvest or return to ENRTF per 116P.10? | 6            | 5.3        | 0   | 0 | 0 | 0 | 0 | 1 | 4 | 6 | 6 | 8  | 8  | 8  | 9  | 10 | 10 | 10 | 10 | 17                    |                         |  |
| 151    | 267-G      | Turning Back to Rivers: Environmental and Recreational Protection          | DJ Forbes, The Trust for Public Land        | \$ 3,803,600 | -Scalable<br>-LGU support?<br>-just one parcel?<br>-Partial fund<br>-\$1,750,000  |  | 5            | 4.8        | 0   | 0 | 0 | 0 | 2 | 2 | 2 | 3 | 5 | 7  | 7  | 8  | 8  | 8  | 9  | 10 | 10 | 17                    |                         |  |
| 152    | 268-G      | Metropolitan Regional Parks System Land Acquisition Phase 6                | Emmett Mullin, Metropolitan Council         | \$ 2,500,000 | -\$1,250,000<br>-Scalable   |  | 5            | 5.2        | 0   | 0 | 1 | 2 | 3 | 4 | 5 | 5 | 5 | 5  | 6  | 7  | 8  | 8  | 10 | 10 | 10 | 17                    |                         |  |

| Line # | LCCMR ID #   | Project Title   | Project Manager and Organization  | \$ Request    | Member Notes                                   | Staff Notes  | Median Score | Mean Score | Distribution of Member Scores - Low to High |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | # Members that Scored | # Members with Conflict |
|--------|--|---|---|---------------|--|--|--------------|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|-----------------------|-------------------------|
|        |  |   |   |               |  |  |              |            | 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |                       |                         |
| 153    | 269-G  | Minnesota State Trails Development                              | Kent Skaar, MN DNR  | \$ 10,000,000 | -Bonding not ENTRF<br>-Scalable                | -DNR Direct and Necessary expenses<br>- Capital expenditures: \$ 2,297,503 State Trail Bridge Renewal<br>-Capital expenditures: \$1,655,523 Blazing Star Trail development<br>-Capital Expenditure: \$1,407,815 Paul Bunyan State Trail<br>-Capital Expenditure: \$1,481,669 Heartland Trail<br>-Capital Expenditure: \$ 695,835 Cuyuna Lakes State Trail<br>-Capital Expenditure: \$1,827,086 Glacial Lakes State Trail | 5            | 4.6        | 0   | 0 | 0 | 0 | 1 | 2 | 2 | 4 | 5 | 5  | 5  | 7  | 8  | 9  | 10 | 10 | 10 | 17                    |                         |
| 154    | 273-G  | Red Wing Riverfront Trail Connection Project                    | Ron Rosenthal, City of Red Wing   | \$ 682,000    | -All capital<br>-Should require matching funds | -Capital expenditures: \$682,000 to construct a pedestrian-bicycle bridge and trail connection   | 5            | 5.0        | 0   | 0 | 0 | 1 | 2 | 2 | 2 | 4 | 5 | 6  | 8  | 8  | 9  | 9  | 9  | 10 | 10 | 17                    |                         |
| 155    | 281-G  | Mesabi Trail; New Trail and Additional Funding                  | Robert Manzoline, St. Louis and Lake Counties Regional Railroad Authority | \$ 6,337,000  | -Partial funding                               | -Includes spending ENRTF \$ on wetland mitigation<br>-"Has been reviewed by LCCMR"-- need add'l info<br>-Requesting funds for segments already funded(?)   | 5            | 5.0        | 0   | 0 | 0 | 0 | 0 | 0 | 1 | 5 | 5 | 7  | 8  | 9  | 10 | 10 | 10 | 10 | 10 | 17                    |                         |
| 156    | 278-G  | Purchasing 316 acres for Conservation and Agriculture Education | Amber Stenson, The Food Group   | \$ 1,500,000  | -Confusing presentation                        | -Funding to purchase land for a private, non-profit to operate<br>-Revenue: Reinvest or return to ENRTF per 116P.10?   | 2            | 2.5        | 0   | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 2 | 2  | 3  | 3  | 3  | 6  | 6  | 7  | 10 | 17                    |                         |
| 158    | <b>G. Land Acquisition for Habitat and Recreation</b>  |   |   |               |  |  |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |
| 159    | <b>H. Proposals seeking \$200,000 or less in funding (3 Proposal / Subtotal = \$378,000)</b> |   |   |               |  |  |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |
| 160    | 285-GH   | Chippewa Acquisition, Recreation and Education                  | Scott Williams, Chippewa County   | \$ 160,000    | -good match                                    | -Capital expenditures: \$15,000 for construction of a fishing pier   | 8            | 7.6        | 0   | 3 | 5 | 7 | 7 | 7 | 8 | 8 | 8 | 8  | 9  | 10 | 10 | 10 | 10 | 10 | 10 | 17                    |                         |
| 161    | 289-GH   | Sportsmens Training and Developmental Learning Center           | Ray Sogard, Minnesota Forest Zone Trappers Association                    | \$ 85,000     |  | - Funding to construct facilities for a private, non profit entity on private land.  | 8            | 5.8        | 0   | 0 | 0 | 0 | 0 | 0 | 6 | 6 | 8 | 9  | 9  | 10 | 10 | 10 | 10 | 10 | 10 | 17                    |                         |
| 162    | 286-GH   | Construction of Pedestrian/Bicycle Bridge on LSSB/GRR           | Bruce Hasbargen, Lady Slipper Scenic Byway, Inc.                          | \$ 133,000    |  | - Capital expenditures: \$133,000 to construct a pedestrian-bicycle bridge and trail connection"   | 5            | 5.6        | 0   | 0 | 0 | 1 | 3 | 3 | 4 | 5 | 5 | 7  | 8  | 9  | 10 | 10 | 10 | 10 | 10 | 17                    |                         |

| Line # | LCCMR ID #  | Project Title                    | Project Manager and Organization | \$ Request     | Member Notes | Staff Notes | Median Score | Mean Score | Distribution of Member Scores - Low to High |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    | # Members that Scored | # Members with Conflict |
|--------|---|----------------------------------|----------------------------------|----------------|--------------|-------------|--------------|------------|---|---|---|---|---|---|---|---|---|----|----|----|----|----|----|----|----|-----------------------|-------------------------|
|        |   |                                  |                                  |                |              |             |              |            | 1   | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 |                       |                         |
| 164    | <b>I. Other (1 Proposal / Subtotal = \$135,000)</b> |                                  |                                  |                |              |             |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |
| 165    | 290-  | Contract Agreement Reimbursement | Katherine Sherman-Hoehn, MN DNR  | \$ 135,000     |              |             | NA           | NA         |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |
| 167    |   | <b>Total</b>                     |                                  | \$ 127,594,157 |              |             |              |            |   |   |   |   |   |   |   |   |   |    |    |    |    |    |    |    |    |                       |                         |