

2014 Environment and Natural Resources Trust Fund Proposals
CUMULATIVE AVERAGE OF MEMBER RANKINGS - LISTED BY CATEGORY RANK - HIGH TO LOW

Line #	LCCMR ID #	Project Title	Organization	\$ Request	Project Manager	Region of Impact	Member Notes [Compiled from all members. Notes from individual members are designated with bullets]	Average Score - Members that Scored	All Member Scores - High to Low	Total # Members that Scored	Total # Members with Conflict
1	A. Foundational Natural Resource Data and Information (17 Proposals / \$8,977,667)										
2	005-A	Contaminants in Minnesotas Loons and Pelicans: Phase 2	MN DNR	\$259,936	Henderson, Carrol	Statewide	- \$225,000; important work with growing benefits. - Carrol and ESA program. - Extremely important - full funding. - Great project with sad but very necessary funding.	6.82	9,9,9,9,9,8,8,8,7,6,6,5,4,4,4,2	17	0
3	004-A	Conserving Minnesotas Freshwater Mussel Legacy: Quantifying Habitat Interactions	U of MN	\$356,843	Kozarek, Jessica	Statewide	- Seems interesting, not fully sure of the needed study or value. - \$200,000, Activity 1 and 3, get surveys first, invite back. - Macalester and St. Anthony Falls Lab. - Long overdue.	6.35	9,9,8,8,8,8,8,7,6,6,6,5,4,3,3,2	17	0
4	017-A	Prairie Butterfly Conservation, Research and Breeding Program	Minnesota Zoological Garden	\$638,439	Runquist, Erik	Central, Northwest, Southwest	- \$400,000 - zoo activities at \$300,000, DNR at \$100,000. - Reduce by \$100,000 - Fund at \$500,000. - \$550,000 - good research component. - Reduce cost if possible.	6.29	9,9,8,8,8,8,8,7,7,7,6,5,3,3,2,2	17	0
5	006-A	Wild Bee Surveys in Prairie-Grassland Habitats	MN DNR	\$370,736	Nordquist, Gerda	Statewide	- Use BWSR Envirothon students for collection and coordinate with projects 073-C and 066-C. - \$350,000 - invite back for forests & metro surveys. - Solid proposal - critical information. - \$150,000	6.24	9,9,9,8,8,8,8,7,7,7,6,6,4,4,4,2,0	17	0
6	016-A	Moose Decline and Air Temperatures in Northeastern Minnesota	MN DNR	\$743,648	Larson, Mike	Northeast	- \$600,000 - plan to come back for year 3-4. - Full funding. - What does the Swedish prof say? - More promising research.	5.82	9,9,8,8,7,7,7,7,6,6,6,5,3,2,2,0	17	0
7	008-A	Analyzing and sharing the Minnesota Breeding Bird Atlas	Audubon Minnesota	\$386,831	Martell, Mark	Statewide	- \$311,000 - only \$30K for book publication. - Activities 1, 2,, and 3 only. - No money for book subsidy - saves \$100,000. - Reduce funding for book. - Don't fund book publication. - Book?	5.29	9,8,8,8,8,8,7,7,7,3,3,3,3,1,0,0	17	0
8	014-A	Impacts of Forest Quality on Declining Minnesota Moose	U of MN	\$394,496	Forester, James	Northeast	- \$396,000 - fund fully - Low vs other moose studies. - Should know from previous research.	5.24	9,8,8,7,7,6,6,6,6,5,5,5,4,3,2,2,0	17	0

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9	001-A	Mapping Landscapes for Better Land and Water Management	U of MN	\$378,718	Knight, Joseph	Statewide	- Expensive, concerned about mapping and keeping track of what private citizens do on private land, who's going to have access to this, etc. - \$350,000 - high value/low cost with big public benefit. - Pretty far out of date. - Fund at \$300,000 - Fund at \$350,000 - Lower amount as it is questionable whether LCCMR should fund this. - A well used reference that is needed.	5.24	9,8,7,7,7,7,7,5,5,4,4,3,3,1,0	17	0
10	020-A	Expand the Minnesota Wildflowers Online Botanical Reference	MN Wildflowers Information	\$222,450	Chayka, Katy	Statewide	- Maybe okay. Could be used by all Minnesotans and it helps identify flowers. - \$150,000 - Sound proposal; strong testimonials. - Good reference material onsite. - Excellent private sector resource.	5.24	9,9,8,8,7,7,7,6,5,5,4,3,3,2,1,0	17	0
11	019-A	Sandhill Crane Populations and Management in Minnesota	U of MN	\$306,904	Andersen, David	Central, Northwest	- Cross over effects by joining the studies, such as on pelicans, loons, etc. - \$200,000 - Important research.	5.18	8,8,8,7,7,7,7,6,6,5,5,4,3,2,2,2,1	17	0
12	023-A	Restoring Long-Lost Forest Data and Extending Ecological Monitoring	U of MN	\$196,000	Ek, Alan	Statewide	- \$150,000 - Retrieve past history before gone.	5.00	8,8,8,7,7,7,6,6,5,4,4,4,4,3,2,1,1	17	0
13	003-A	Online Access to Minnesota's Biodiversity for Environmental Management	U of MN	\$342,428	Barker, Keith	Statewide	- \$250,000 - great student utilization. - Good match by Bell.	4.65	9,8,7,6,6,5,5,5,5,4,4,3,3,3,3,2,1	17	0
14	009-A	State Spring Inventory for Resource Management and Protection	MN DNR	\$875,746	Falteisek, Jan	Statewide	- \$250,000 protocol. - Allocate half the funds to test methods. - \$200,000	4.00	9,8,7,7,6,6,6,5,3,3,3,2,2,1,0,0,0	17	0
15	011-A	Impact of Grazing on Native Plants and Pollinators	U.S. Geological Survey	\$465,457	Larson, Diane	Statewide	\$250,000-275,000 - needs more U of M & USGS leverage. - TNC should add match; no pollinator saves \$207,000. - Biased? - Much is already known, use the literature.	3.88	9,8,6,6,5,5,5,4,3,3,3,3,2,2,2,0,0	17	0
16	002-A	Assess and Improve Ecological Health of Trust Lands	U of MN	\$514,395	DAmato, Anthony	Statewide	- DNR should already do this. - \$365,000 - Activity 1 & 2 only. - An economic project.	3.71	9,8,7,7,6,5,4,3,3,3,3,3,2,0,0,0,0	17	0

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17	010-A	Drainage Records Modernization and Statewide GIS Database	BWSR	\$730,000	Kean, Allan	Statewide	- \$480,000 - all of activity 1 & 2 + 50% cost share grants. - Charge to drainage authorities as fee. - Why should LCCMR pay for this??? - Agriculture should pay for this.	3.18	9,8,7,5,5,5,3,3,3,2,1,0,0,0,0	17	0
18	013-A	Redesigned Updating of State and County Forest Inventories	MN DNR	\$1,794,640	Nelson, Jon	Central, Northwest, Northeast, Southeast	- Should be funded from the DNR budget. - Too far behind to catch up with current approaches. - Counties should do it themselves, way too much money. - Forestry received huge boost in funding.	2.88	8,7,6,6,5,5,3,3,3,3,0,0,0,0,0	17	0
19	B. Water Resources (18 Proposals / \$8,742,492)										
20	040-B	Measuring hydrologic benefits from Glacial Ridge habitat restoration	Red Lake Watershed District	\$168,500	Cowdery, Tim	Northwest	- Fully fund, important restoration impacts and information. - Important long term research op. on ecosystem services.	6.53	9,9,8,8,8,8,7,7,7,7,7,4,3,3,1	17	0
21	038-B	Rain Water Reuse and Valuation Investigation	U of MN	\$310,000	Alexander, Scott	Statewide	- More match, give \$200,000.	6.41	9,9,9,8,8,8,7,7,7,6,6,5,5,4,4,2	17	0
22	035-B	Protecting the State's Confined Drinking-Water Aquifers	U. S. Geological Survey	\$394,000	Stark, James	Statewide		6.29	9,9,8,8,7,7,7,6,6,6,6,5,5,4,2	17	0
23	030-B	Antibiotics and Antibiotic Resistance Genes in Minnesota Lakes	U of MN	\$338,000	Arnold, William	Statewide	- \$250,000 - Just not seeing how research yields outcome. - Fund at \$250,000 - Fund at \$250,000.	5.94	9,8,8,8,8,7,7,7,6,6,6,5,5,4,1,1	17	0
24	033-B	Protecting Bacteria from Contaminants to Preserve Water Quality	U of MN	\$279,000	Novak, Paige	Statewide	- Studying contaminants that kill bacteria could be good. - Better of two projects by Novak.	5.94	9,8,8,7,7,7,6,6,6,6,6,5,5,4,3,3	17	0
25	031-B	Wastewater Estrogen: Removal Options, Fish Abundance, and Cost	U of MN	\$516,000	Novak, Paige	Statewide	- \$500,000 - Same concern study vs. claimed results - less \$.	5.88	9,8,8,7,7,7,7,6,6,6,6,6,3,3,2,2	17	0
26	048-B	Estrogen exposure analyses in Minnesotas Shallow Lake Wildlife	St. Thomas University	\$136,000	Illig, Kurt	Statewide	- Undergraduates, turtles. - Yes, another college and new species! - With implications for human health	5.63	9,9,8,8,7,7,7,6,5,5,5,4,4,3,2,1,	16	0
27	036-B	Water: Solar Driven Destruction of Pesticides, Pharmaceuticals, Contaminants	U of MN	\$291,000	Arnold, William	Statewide	- Impressed with this idea of solar compound to break down pollutants. - \$250,000 - Equipment too costly. - Better of two projects by Arnold.	5.59	9,9,7,7,7,7,6,6,6,6,5,5,4,4,4,3,0	17	0

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28	046-B	Sedimental Journey: Watershed-scale monitoring of BMP effectiveness	Science Museum of Minnesota - St. Croix Watershed Research Station	\$972,000	Engstrom, Daniel	Statewide	- BMPs again? Need enforcement. - Costly and lots of questions remain.	5.00	9,7,6,6,6,6,6,6,6,5,5,4,4,2,1,0	17	0
29	032-B	Does Triclosan Create Super Bugs During Wastewater Treatment	U of MN	\$382,000	LaPara, Timothy	Metro	- \$375,000	4.82	9,7,6,6,6,6,6,5,5,5,4,4,3,2,2,1	17	0
30	037-B	Removing Phosphorous and Endocrine Disruptors from our Waterways	U of MN	\$493,000	Valentas, Kenneth	Statewide	- Give them \$300,000, match from user agency.	4.71	7,7,6,6,6,6,5,5,5,5,5,4,4,3,1,0	17	0
31	058-B	Nutrient Capture Through Water Management and Biomass Harvesting	Red River Basin Commission	\$478,500	Lewis, Jeff	Northwest	- \$300,000	4.53	9,9,9,8,7,7,4,3,3,3,2,1,0,0,0	17	0
32	034-B	Watershed Water Budgets for Managing Minnesota's Water	U.S. Geological Survey	\$129,300	Lorenz, David	Statewide	- County support?	4.35	8,8,8,8,6,5,5,4,4,3,3,2,2,0,0,0	17	0
33	047-B	Demonstrating Farmer Led Conservation in Elm Creek Watershed	Rural Advantage	\$460,360	Meschke, Linda	Southwest, Southeast	- Could be good for farmers to have an analysis of how much nutrient loss is in tiling. Concerned that it is not used to push or require a bunch of new regulations on farmers.	4.24	9,9,8,8,7,7,7,4,3,3,3,2,2,0,0,0,0	17	0
34	051-B	Small-scale Groundwater sustainability assessment	U of MN	\$118,214	Strack, Otto	Statewide	- Simple tool but effective and useful! - \$50,000 - water capture/storage and irrigation.	4.12	8,8,8,7,6,6,5,5,4,4,3,2,2,1,1,0,0	17	0
35	045-B	Identifying Causes of Exceptionally High Mercury in Fish	MN Pollution Control Agency	\$2,700,869	Monson, Bruce	Central, Northwest, Northeast	- \$1,000,000 and find match with clean water. - Much less \$ - Clean Water match or only 2-3 rivers. - Don't we already know this? - For Mercury levels in sediment.	4.06	9,8,8,7,7,7,6,4,3,3,2,2,2,1,0,0,0	17	0
36	062-B	Minnesota River Community Clean-Ups for Water Quality	Friends of the Minnesota Valley	\$85,100	Sparlin, Scott	Metro, Southwest, Southeast	- It help cities out with SWIP plans which they need to demonstrate that things are being done to help reduce pollutants. - \$40,000 - Time for communities to support this one.	4.06	9,8,7,6,5,5,5,4,4,4,3,3,3,2,1,0,0	17	0
37	050-B	Restoring Groundwater and Trout Habitat Through Irrigation Efficiencies	Benton County Soil and Water Conservation District	\$490,649	Maciej, Gerry	Central	- Will it be possible for this project to track nitrogen impacts?	3.25	9,8,8,8,7,3,3,3,1,1,1,0,0,0,0,0	16	1

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38	C. Environmental Education (12 Proposals / \$5,487,834)										
39	066-C	Minnesota Conservation Apprenticeship Academy	BWSR	\$392,000	Gieseke, Jenny	Statewide	- Coordinate with 006-A. - \$250,000 - \$200,000 - Should move to budget. - Fund at \$250,000. - Fund @ \$250,000; no future funds. - \$250,000- needs to become part of regular budget. - \$350,000	7.18	9,9,9,9,9,8,8,8,8,7,7,7,7,6,4,0	17	0
40	071-C	Youth-led Sustainability Initiatives in 40 Greater MN Communities	Prairie Woods Environmental Learning Center	\$397,000	Pederson, Dave	Central, Northeast, Southeast, Southwest	-\$200,000 - Versus 068-C - seems more bang for buck. - Jasmine made a compelling presentation. - \$300,000	6.88	9,9,9,8,8,7,7,7,7,7,7,6,5,4,3	17	0
41	076-C	Raptor Lab: Online and Outdoors!	U of MN	\$186,676	Ponder, Julia	Statewide	- \$150,000 - Some match. - Important electronic tool, fund fully. - \$150,000	6.76	9,9,8,8,8,8,8,7,7,7,6,5,4,3,3	17	0
42	069-C	Minnesota Stories in a Changing Climate	Will Steger Foundation	\$413,860	Poppleton, Kristen	Statewide	- Effective. - Steger iconic - match is high. - Fund at \$300,000 - Great program, lots of testimonials. - \$350,000 - As long as stories reach all kids and parents. - \$200,000	6.06	9,8,8,8,8,8,7,7,7,7,6,5,0,0,0	17	0
43	072-C	Minnesota Pollinator Partnership	Pheasants Forever	\$104,600	Holland, Matt	Statewide	- Spreads the money to lots of groups. - \$100,000 - Also more versus 068-C. - Great stuff, full funding! - Hands on learning families will not forget. - \$80,000	5.94	9,9,9,8,8,8,7,7,7,6,5,5,4,3,1,0	17	0
44	074-C	Urban Environmental Education Engaging Students in Local Resources	Wilderness Inquiry	\$1,093,000	Lais, Gregory	Metro	- Partial funding. - \$350,000 - Fund @ \$350,000. - No one does it better but too pricey. - \$500,000	5.75	9,9,8,8,7,7,7,7,7,7,2,0,0,0,	16	1
45	083-C	Reducing Lake Quality Impairments through Citizen Action	Freshwater Society	\$59,375	Gehrig, Alex	Central	- If funded, project must include tribal government research done on Mille Lacs Lake and Watershed. - \$59,000 - Good lake association match and local support. - Need wider distribution = then more \$. - Good citizen action. - \$50,000	5.59	9,8,8,8,7,7,7,6,6,6,5,5,4,4,3,1,1	17	0

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46	073-C	Bee Discovery Center at the Minnesota Landscape Arboretum	U of MN, Landscape Arboretum	\$615,279	Moe, Peter	Statewide	<ul style="list-style-type: none"> - Coordinate with 006-A and include all pollinators. - \$200,000 - 50% less money - private match is needed. - Infrastructure. - Non-native species; received \$2,000,000 last yr from LCCMR. - \$200,000 	5.41	9,9,9,8,8,8,7,7,7,7,5,3,2,2,1,0,0	17	0
47	077-C	Building Bridges to a Diverse Natural Resources Community	MN DNR	\$1,100,000	Hanson, Michele	Statewide	<ul style="list-style-type: none"> - \$500,000 - activities 2, 3, and 4. - Can we tie to USFS \$1,000,000 - what if we don't get? - Fund at \$500,000. - Important to get this porcess started, fund @ \$500,000. - \$500,000. - \$500,000 	5.29	9,9,9,8,8,7,7,7,7,6,6,3,2,1,1,0,0	17	0
48	080-C	TV Documentary: The Great Mille Lacs Walleye Mystery	Twin Cities Public Television	\$102,372	Henehan, Brendan	Statewide	<ul style="list-style-type: none"> - \$100,000 and get it done 6-9 months earlier than. - Need to distribute it to wider audience, web etc. - Could add to the body of knowledge for citizens and decision-makers. - \$80,000 	5.06	8,8,8,7,7,7,7,7,7,6,6,1,0,0,0,0	17	0
49	086-C	The Wolf At Our Door	International Wolf Center	\$123,672	Berus, Darcy	Metro	<ul style="list-style-type: none"> - \$100,000 - Great stuff, fully fund. - Overcoming urban myth in wolf education. - \$100,000 	4.88	9,9,9,9,8,7,7,6,5,5,3,1,0,0,0,0	16	1
50	068-C	GreenStep Schools Program: School-based Environmental Education and Stewardship	MN Pollution Control Agency	\$900,000	Sierks, William	Statewide	<ul style="list-style-type: none"> -\$500,000 - Don't see how this expands. - Match? - \$400,000 	4.41	9,8,7,7,6,6,5,4,4,4,4,4,3,3,1,0,0	17	0

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51	D. Aquatic and Terrestrial Invasive Species (10 Proposals / \$8,790,966)										
52	097-D	Blocking Asian Carp by Optimizing Lock and Dams	U of MN	\$463,449	Sorensen, Peter	Statewide	<ul style="list-style-type: none"> - Will it be an effective way to spend money? - \$1,200,000 - add L&D 8, invite back. - Add L&D 7 and 8, double Activity 2 - cost \$100,000. - Fund higher for Lock/dam 8. - \$750,000. - Need discussion on Lock #8. - Amazing cooperation from ACOE. - Very interested in turning into 2-year plan. - Where is Corps of Engineers? 	8.06	9,9,9,9,9,9,9,9,9,8,8,7,7,5,3	17	0
53	101-D	Bioacoustics to Detect, Deter and Eliminate Flying Carp	U of MN Duluth	\$262,907	Mensingher, Allen	Statewide, Northeast	<ul style="list-style-type: none"> - \$200,000 - Relation to Sorensen? 	7.18	9,9,9,8,8,7,7,7,7,7,7,6,5,3	17	0
54	098-D	Biosurveillance and Biocontrol of EAB - Phase 2	MN Department of Agriculture	\$628,100	Chandler, Monika	Statewide	<ul style="list-style-type: none"> - Concerned about introducing a biocontrol with unknown consequences. - \$400,000 - take out insecticide component. - Activity 1 and 2 only. - Our best hope - no on activity 3. - Remove activity 3 - reduce to \$350,000. - Another good proposal. - Not activity 3. - \$400,000 	6.41	9,9,9,8,8,8,7,7,7,6,6,6,5,3,2,2	17	0
55	099-D	Mountain Pine Beetle: Invasive Threat to Minnesotas Pines	U of MN	\$382,100	Aukema, Brian	Central, Metro, Northwest, Northeast, Southeast	<ul style="list-style-type: none"> - \$300,000 - Why not in regular budget? - Fund at \$300,000. - Sound proposal, fund @ \$300,000. - \$300,000 - need more info from western states. - Manage the pine resource.? 	6.06	9,8,8,8,7,7,7,7,7,6,6,6,5,3,2,0	17	0
56	104-D	Minnesota Deers Risk of Invading Epizootic Hemorrhagic Disease	U of MN - College of Veterinary Medicine	\$135,847	Robinson, Stacie	Statewide	<ul style="list-style-type: none"> - \$135,000 - Why not LSOHC or Game and Fish Fund? - Fund fully, important disease project. - Game and Fish Fund? - Hunting licenses should pay for this. - Game & Fish Fund. - Cervid farms? 	5.59	9,9,9,8,8,8,7,7,5,4,4,4,4,3,3,3,0	17	0
57	100-D	Brown Marmorated Stink Bug Monitoring and Biocontrol Evaluation	MN Department of Agriculture	\$266,024	Abrahamson, Mark	Statewide	<ul style="list-style-type: none"> - \$200,000 - Activity 2 only. - Activity 2 only - other states? - Only activity 2. - Learn from eastern experience instead. 	4.41	8,7,6,6,5,5,5,4,4,4,4,3,3,3,3,2	17	0

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58	102-D	Bacterial Biodiversity for Sustainable St. Louis River Estuary	U of MN - Duluth	\$359,849	Hicks, Randall	Northeast	- Activity 2.	4.29	6,6,6,6,5,5,5,5,5,4,4,4,3,2,1,1	17	0
59	109-D	Regional Aquatic Invasive Species Project	Red River Basin Commission	\$219,890	Courneya, Joe	Northwest	Give 50% and ask them back if it works. - Could they get funding from grants thru DNR and/or Legacy?	4.24	9,8,7,7,7,6,6,5,4,3,3,3,2,1,1,0,0	17	0
60	107-D	Invasive Species Control in Grassland Habitats	The Nature Conservancy	\$892,000	Winter, Brian	Central, Northwest, Southwest, Southeast	- \$350,000 - Fund for less \$. - Boots on the ground, can measure success, at least partial funding. - Activity 2. - TNC needs to pay, yet very important puzzle piece. - \$500,000	4.12	9,9,8,7,6,6,5,5,5,3,3,2,1,1,0,0,0	17	0
61	106-D	Accelerated Effort to Understand and Control Zebra Mussels	MN DNR	\$5,180,800	Pierce, Ann	Statewide	- Partial funding. - Way too expensive - activity 2 only. - Good proposal, fund Activity 2 only @ \$700,000. - Relationship to AIS center? - Too costly, too late... - Need additional info on AIS spending. Could possibly do scientific portion. - What have other states done?	4.06	9,8,8,7,6,6,5,5,4,3,2,2,0,0,0,0	16	0
62	E. Air Quality, Climate Change, and Renewable Energy (12 Proposals / \$8,601,882)										
63	121-E	Demonstrating Innovative Technologies to Fully Utilize Wastewater Resources	U of MN	\$2,041,626	Ruan, Roger	Statewide	- Good commercial promise. - \$250,000 - \$1,000,000 - Come back if phase 1 works. - Fund at \$250,000. - Fund @ \$250,000. - \$250,000. - \$1,500,000	6.47	9,8,7,7,7,7,7,7,7,6,6,6,6,6,4,3	17	0
64	125-E	Clean Water/Renewable Energy from Beet Waste/Manure	U of MN	\$403,685	Zhu, Jun	Statewide	- Good project. May become a commercial product to benefit MN. - Fund at \$200,000. - Fund @ \$200,000. - Half of funding request. - \$300,000	6.47	9,9,9,8,8,7,7,7,7,6,6,6,5,5,4,4,3	17	0
65	112-E	Solar Cell Materials from Sulfur and Common Metals	U of MN	\$494,092	Penn, Lee	Statewide	- \$400,000	6.24	9,9,8,8,8,8,7,7,7,6,5,4,4,4,3,1	17	0
66	116-E	Innovative Groundwater-Enhanced Geothermal Heat Pump Study	U of MN	\$196,000	Saar, Martin	Statewide	- Fund at \$125,000. - 2/3rds funding.	6.19	9,9,9,7,7,7,7,7,6,6,6,5,4,3,0	16	0

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67	133-E	Next Generation Septic TankSystems	U of MN	\$258,810	Hu, Bo	Statewide	- Maybe good theory, but now thinking not as practical. - \$200,000	6.00	9,9,8,8,8,7,7,6,6,6,5,4,4,3,3,3	17	0
68	137-E	Solar PV at Minnesotas Residential Environmental Learning Centers	Eagle Bluff, Wolf Ridge, Deep Portage , Long Lake , Audubon Center of the Northwoods, Laurentian ELC	\$150,000	Yerger, Dale	Statewide	- Could they use the new solar incentive instead?	5.88	9,9,8,8,7,7,7,7,6,6,5,5,4,4,2,0,	16	1
69	111-E	Assessing Species Vulnerability to Climate Change Using Phenology	U of MN	\$189,845	Montgomery, Rebecca	Statewide	- Great database and invaluable information relating to climate change, fund fully. - Extremely valuable to future decisions.	5.35	9,9,9,8,8,8,7,6,5,5,5,3,3,3,2,1,0	17	0
70	140-E	Itasca Boiler/Woody Biomass Utilization Project	Itasca Community College	\$1,035,100	Johnson, Bart	Northeast	- \$300,000	5.00	9,8,8,7,7,7,7,6,5,5,4,4,3,3,2,0,0	17	0
71	122-E	Transitioning Minnesota Farms to Local Energy	U of MN	\$1,049,992	Reese, Michael	Statewide	- \$750,000 - Not innovative, find match for half. - Ag? - This is Ag's to do.	4.59	9,7,7,6,6,6,5,5,5,4,4,3,3,3,2,0	17	0
72	126-E	Life Cycle Energy of Renewably Produced Nitrogen Fertilizers	U of MN	\$512,732	Tallaksen, Joel	Statewide	- Match.	4.18	9,7,7,6,6,6,6,4,4,4,3,3,2,2,2,0,0	17	0
73	134-E	District Heating With Renewable Biomass at Camp Ripley	Minnesota Department of Military Affairs/Minnesota National Guard	\$1,970,000	Anderson, Mark	Central	- Expensive. Maybe try bonding bill. Any way to cut the cost? - Design only. - No innovation - at most design for \$200,000. - Military needs to put in more \$\$. - \$1,500,000	3.56	9,9,7,6,5,4,4,3,3,2,2,1,1,1,0,0,	16	1
74	139-E	Eliminating Sulfur from On-Farm Anaerobic Digester Emissions	MN Department of Agriculture	\$300,000	Hennessy, Kevin	Statewide		3.53	9,8,7,7,6,5,5,4,3,3,2,1,0,0,0,0,0	17	0
75	F. Methods to Protect, Restore, and Enhance Land, Water, and Habitat (16 Proposals / \$7,151,694)										
76	151-F	Protecting Bees by Understanding Systemic Insecticides	U of MN	\$326,869	Krischik, Vera	Statewide	- It's a real issue that would be okay to get more research on and find out what is killing bees. - Peer review. - Fund @ \$250,000. - A little pricey. - \$300,000	7.12	9,9,9,9,8,8,8,8,7,7,7,7,7,5,5,1	17	0
77	163-F	Cattail Management for Wetland Wildlife and Bioenergy Potential	U of MN	\$74,600	Svedarsky, Daniel	Northwest	- Benefits for wetland wildlife, fully fund.	6.41	9,9,9,9,9,8,8,7,7,7,5,4,3,3,2,1	17	0

Attachment #1

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78	152-F	Northeast Minnesota White Cedar Restoration, Phase 2	BWSR	\$335,800	Krystosek, Dale	Northeast	- Reduce funding.	6.12	9,8,8,8,8,8,7,7,7,5,5,4,3,2,2	17	0
79	146-F	Achieving Pollinator Landscapes with the Greatest Multiple Benefits	U of MN	\$1,714,040	Spivak, Marla	Statewide	- \$1,250,000 - invite back for ongoing efforts. - Activities 1 and 2 only. - Too much and not clear of relationship - no on faculty. - Less money.	5.76	9,9,9,8,8,8,7,6,6,5,4,4,2,0,0	17	0
80	154-F	Protecting the Best of the Best in Southeast	The Nature Conservancy	\$258,500	Biske, Richard	Southeast	- Should be funded by Lessard/Sams potentially. - \$250,000 - If first works, why not local support? - Many partners, good match.	5.53	9,9,8,8,8,8,7,5,5,5,4,4,3,3,0,0	17	0
81	157-F	Restoring our Lands and Waters	Great River Greening	\$414,000	Buck, Wiley	Metro	-\$300,000 - Envir. Ed. as well; LSOHC; 3:1 match. - Fund at \$200,000. - Fund @ \$207,000. - Half?	5.35	9,9,8,8,7,7,7,7,6,6,5,4,3,3,1,1,0	17	0
82	147-F	Healthy Prairies: Seed Storage, Beneficial Microbes, and Adaptation	U of MN	\$695,000	Shaw, Ruth	Statewide	- \$500,000 - need to act now before the genome is gone. - Like test at multiple sites.	5.25	8,7,7,6,6,6,6,6,5,5,5,4,2,0,	16	1
83	158-F	Protect, Restore and Enhance Significant Watershed Habitat.	Friends of the Mississippi River	\$204,000	Lewanski, Tom	Metro	-\$150,000 - LSOHC? Why not? Tie to 2:1 match, park agencies. - Fund at \$100,000. - Fund @ \$102,000.	5.24	9,9,8,7,7,7,7,7,6,6,5,4,3,3,1,0,0	17	0
84	172-F	Increasing Habitat and Ecosystem Benefits through Forest management	MN DNR - Div of Forestry	\$268,600	Jacobson, Kent	Statewide	- \$200,000 - Can we do marketing? - \$200,000	4.76	9,9,8,8,7,6,6,5,4,4,3,3,3,3,0,0	17	0
85	162-F	Dredged Sediment for Forest Restoration on Unproductive Minelands	U of MN - NRRI	\$495,585	Levar, Tom	Northeast	- Expensive, but maybe the best use and way to get waterway dredged. - A lot of money for common sense. - Land ownership has been cleared up and the possibility of hauling by rail to a sight closer to the final destination is being explored and appears possible. - Ask to complete at earlier date. - \$400,000	4.59	9,9,9,8,7,7,7,7,7,5,3,0,0,0,0,0,0	17	0
86	171-F	Ecological Management Plans - Mississippi River Watershed and Minneapolis	Minneapolis Park and Recreation Board	\$228,800	Ringold, Jennifer	Metro	- Metro diversity. - \$50,000 - invasives initiative.	4.35	8,7,7,7,7,7,6,6,4,4,3,3,2,2,1,0,0	17	0

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87	149-F	Developing Forever Green Crops for Minnesotas Agricultural Landscapes	U of MN	\$847,900	Wyse, Donald	Central, Metro, Northwest, Southwest, Southeast	- Like this project, shows good promise and some good return for farmers with alternative crops, especially in erodable lands, or a double cropping option. - \$750,000 - great potential. - Economic option on open soil - lower amount - does it fit? - Need better crops.	4.18	9,9,7,7,6,6,6,5,5,3,3,3,1,1,0,0,0	17	0
88	164-F	Innovative Technology to Seed Plants on Streambanks	U of MN	\$189,000	Wyatt, Gary	Statewide	- Priority issue and cheap option if works	4.12	9,9,6,6,6,5,5,4,3,3,3,3,2,2,1,0	17	0
89	150-F	Restoring Aquatic Habitat by Reducing Sediment from Streambanks	U of MN - Water Resources Center	\$276,000	Everett, Leslie	Statewide		4.06	8,6,6,6,6,5,4,4,4,4,3,3,3,2,1,0	17	0
90	174-F	Victus Farms: Expanding in New Directions	City of Silver Bay	\$356,000	Fralich, Lana	Northeast	- \$100,000 - make a loan for higher amounts. - Private or LGU match? Mostly UMD money.	4.00	9,8,8,7,6,5,4,4,4,3,3,3,2,2,0,0,0	17	0
91	161-F	Maintaining Expiring CRP Land Benefits Using Integrative Cropping	U of MN	\$467,000	Zamora, Diomy	Statewide	- \$250,000	3.65	9,9,8,8,6,5,4,4,3,3,2,1,0,0,0,0,0	17	0
92	G. Land Acquisition for Habitat and Recreation (7 Proposals / \$10,855,070)										
93	188-G	Connecting the Minnesota River Water Trail and Morton	City of Morton	\$198,200	Colwell, Carl	Central, Southwest	- Seems like a decent value for 31 acres on the river and for public use. - Fund fully, great acquisition. - Good local support. - \$120,000.	6.88	9,9,9,9,8,8,8,7,7,7,6,6,5,4,3,3	17	0
94	184-G	Mesabi Trail Development - Soudan to Ely Segment	St. Louis & Lake Counties Regional Railroad Authority	\$1,000,000	Manzoline, Robert	Northeast	- \$500,000 - Soudan, use of \$ not clear, LR vs. RR? - Fund at \$500,000. - Great trail, fund @ \$500,000. - \$500,000	6.76	9,9,9,8,8,8,7,7,7,7,6,6,5,3,0	17	0
95	177-G	SNA Acquisition, Restoration, Improvement & Citizen Engagement	MN DNR	\$3,951,870	Booth, Peggy	Statewide	- Too much money, should be funding by L/S out of Legacy funds. - Partial funding. - \$2,500,000 - LCCMR is top funding source; \$2,000,000; Restoration LSOHC? - Fund at \$1,500,000. - \$1,000,000	6.12	9,9,9,9,9,8,8,7,7,7,5,3,3,2,0,0	17	0

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96	178-G	Metropolitan Regional Park System Acquisition--Phase 3	Metropolitan Council	\$2,250,000	Stefferdud , Arne	Metro	- Too expensive. - Partial funding. - \$1,500,000; 1.25:1 match required. - Fund at \$1,500,000. - Fund @ \$1,100,000. - Need clarificaiton on all public money.	5.76	9,9,9,8,8,7,7,7,7,7,7,5,1,0,0,0	17	0
97	182-G	VanderWert Scientific and Natural Area and County Park	Fox Lake Conservation League, Inc.	\$455,000	Perrine, Rich	Southwest	- \$250,000 - 1:1 match? Uses? Compare to SNA.	4.59	9,8,7,7,6,6,5,4,4,4,3,3,3,3,2,1	17	0
98	183-G	3,500-Foot Shoreland Acquisition on St. Croix River	Washington County	\$2,500,000	Harper, Jane	Metro	- Maybe, but it is a lot of money for one project. Any more local or private match? - Provide a match. - Nothing comparable. - Fund at \$1,250,000. - Critical acquisition; fund @ \$1,125,000. - Need assurance on other funding. - Partial support only.	4.29	9,9,9,7,7,5,5,4,4,4,3,3,2,1,1,0,0	17	0
99	187-G	Strategic Land Acquisition, Accelerating Sales and Exchanges	MN DNR	\$500,000	Tomlinson, Robert	Statewide	- \$200,000 - Should be in budget. - Should be in budget. - \$200,000 - easements.	3.29	9,7,6,5,5,5,4,4,3,3,3,2,0,0,0,0,0	17	0
100	H. Other (2 Proposals / \$144,000)										
101	192-H	LCC - Web	LCC	\$9,000	Hubinger, Greg	Statewide		8.40	9,9,9,9,9,9,9,9,8,8,8,8,5,,	15	0
102	191-H	Contract Management	MN DNR	\$135,000	Graeber, Amanda	Statewide		7.93	9,9,9,9,9,9,9,9,8,8,8,7,7,0,,	15	0
103	TOTAL \$ REQUEST REMAINING =			\$58,751,605							