

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

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Susan Thornton, Director

MINUTES

Tuesday, October 20, 2015

9:00 a.m. – 5:00 p.m.

State Office Building, Room 5

St. Paul, MN 55155

Members Present: Jeff Broberg, Sen. Gary Dahms, Sen. Kari Dziedzic, William Faber, Nancy Gibson, Bonnie Harper-Lore, Sen. John Hoffman, Gary Lampa, Rep. Denny McNamara, Norman Moody, Rep. John Persell, Sen. David Tomassoni, Rep. Paul Torkelson, Rep. Jean Wagenius, Sen. Torrey Westrom, Della Young

Staff Present: S. Thornton, M. McDonough, M. Banker, D. Griffith

Members Excused: Rep. Tom Hackbarth

Co-Chair: Nancy Gibson

1. Approve the minutes for October 6, 7 and 8, 2015

Co-Chair Gibson started the meeting at 9:10 a.m.

MOTION: Commissioner Faber moved to approve the minutes for October 6, 7, and 8, 2015 – motion prevailed.

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

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

Susan Thornton reviewed the meeting packets and mentioned that a summary packet of all members Conflict of Interest reported for the 2016 (FY17) Environment and Natural Resources Trust Fund (ENRTF) proposals is on file and will be appended to the October 20th minutes. (Attachment #1)

3. Proposal Allocation Recommendations for the Environment and Natural Resources Trust Fund for FY17 (July 1, 2016)

Susan Thornton reviewed the additional information in the packet regarding 2016 Environment and Natural Resources Trust Fund proposals.

Staff handed out the blue spreadsheet titled "2016 Environment and Natural Resources Trust Fund Proposals – Cumulative Average of Member Rankings – Listed by Category Rank – High to Low". (Attachment #2)

Members recessed at 9:20 a.m. and reconvened at 9:35 a.m.

Members continued discussions on the process. Staff handed out a sheet titled "2016 Allocations – Scoring Break Points". (Attachment #3)

Jeff Broberg, Sen. Gary Dahms, Sen. Kari Dziedzic, William Faber, Nancy Gibson, Rep. Tom Hackbarth, Bonnie Harper-Lore, John Hoffman, Gary Lampa, Rep. Denny McNamara, Norman Moody, Rep. John Persell, Sen. David Tomassoni, Rep. Paul Torkelson, Rep. Jean Wagenius, Sen. Torrey Westrom, Della Young

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

Co-Chair Gibson explained that at the last meeting, members agreed they would randomly draw proposed categories as the order for the allocations.

MOTION (00:15:32): Commissioner Gibson moved all proposals on the blue spreadsheet titled “2016 Environment and Natural Resources Trust Fund Proposals Cumulative Average of Member Rankings – Listed by Category Rank – High to Low” that are ranked a 5.5 or above to be on the list for consideration – motion prevailed.

Members decided to draw proposed categories to see which category would be discussed first. The order of categories for discussion were:

1. Category C “Environmental Education”
2. Category F “Methods to Protect, Restore, & Enhance Land, Water, & Habitat
3. Category B “Water Resources”
4. Category E “Air Quality, Climate Change, and Renewable Energy
5. Category A “Foundational Natural Resource Data and Information
6. Category H “Other”
7. Category D “Aquatic and Terrestrial Invasive Species
8. Category G “Land Acquisition for Habitat and Recreation

Mike Banker stated that members should make a motion to round the 2016 ENRTF proposal dollars down to the nearest one-thousandth.

MOTION (00:17:52): Commissioner Broberg moved the 2016 ENRTF proposal dollars be rounded down to the nearest one-thousandths dollar – motion prevailed.

All motions will refer to the blue spreadsheet titled “2016 Environment and Natural Resources Trust Fund Proposals Cumulative Average of Member Rankings – Listed by Category Rank – High to Low”.

Members started reviewing proposals in Category C. Environmental Education

MOTION (00:18:45): Commissioner Moody moved Line 53, ENRTF ID: 094-C “Standards Based Dakota Indian land Curriculum for 1,250 Students”, Dakota Wicohan, Teresa Peterson at \$197,000 – motion prevailed.

MOTION (00:18:55): Commissioner Dahms moved Line 54, ENRTF ID: 105-C “Promoting Stewardship through Student Mentoring and River Monitoring”, Southwest Minnesota State University, Emily Deaver at \$39,000 – motion prevailed.

MOTION (00:19:10): Commissioner Moody moved Line 55, ENRTF ID: 090-C “Minnesota Conservation Apprentice Academy”, Board of Water and Soil Resources”, Jenny Gieseke at \$433,000 – motion prevailed.

MOTION (00:22:59): Commissioner Faber moved Line 56, ENRTF ID: 101-C “The New Prairie Sportsman Statewide Broadcast Video Project”, Pioneer Public Television, Timothy Bakken at \$300,000 – motion prevailed.

MOTION (00:23:38): Commissioner Moody moved Line 57, ENRTF ID: 092-C “Youth-Led Energy Action Projects in 50 Minnesota Communities”, Prairie Woods Environmental Learning Center, Shelli-Kae Foster at \$400,000 – motion prevailed.

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

MOTION (00:25:02): Commissioner Broberg moved Line 58, ENRTF ID: 096-C “Creating Southwest Minnesota High School Student Wildlife Champions”, Minnesota Zoo, Carol Strecker at \$147,000 – motion prevailed.

MOTION (00:25:40): Commissioner Faber moved Line 59, ENRTF ID: 093-C “Hunters Choice: Alternative Ammunition”, U of MN, Julia Ponder at \$133,000 – motion prevailed.

MOTION (00:26:26): Commissioner Young moved Line 60, ENRTF ID: 112-C “Master Water Steward Program Expansion”, Freshwater Society, Peggy Knapp at \$116,000 – motion prevailed.

MOTION (00:27:03): Commissioner Faber moved Line 61, ENRTF ID: 099-C “Expanded Wolves at our Door Program”, International Wolf Center, David Kline at \$240,000 – motion prevailed. Co-Chair Gibson abstained from voting.

Members started reviewing proposals in Category F. Methods to Protect, Restore, and Enhance Land, Water, and Habitat

MOTION (00:29:20): Commissioner Hoffman moved Line 83, ENRTF ID: 169-F “Restoration/Monitoring of Winona’s 40-acre Blufflands Natural Area”, Winona State University, Neal Mundahl at \$99,000 – motion prevailed.

MOTION (00:29:54): Commissioner McNamara moved Line 84, ENRTF ID: 154-F “Seeding Between the Lines: Permanent Habitat With Rowcrops”, Science Museum of Minnesota – St. Croix Research Station, Shawn Schottler at \$159,000 contingent on the ENRTF funds for capital equipment for the 30" custom planter for 30" strips must be reduced to no more than \$5,000 -- funds from non-state sources can be used for costs above \$5,000. The use of non-GMO seeds on part of the field should be explored and implemented if feasible. Monitoring of the 30" native plant strips must evaluate the effects of pesticides from adjacent crops on pollinators including determining if there is a reduction of pollinators that results in reduced setting of seeds on the native plants – motion prevailed.

MOTION (00:38:15): Commissioner Torkelson moved Line 85, ENRTF ID: 166-F “Restoring our Metro Lands and Waters: MeCC IX”, Great River Greening, Wiley Buck at \$509,000 – motion prevailed.

MOTION (00:38:50): Commissioner Wagenius moved Line 86, ENRTF ID: 159-F “Controlling Reed Canary Grass to Regenerate Floodplain Forest”, Audubon Minnesota, Tim Schlagenhaft at \$218,000 – motion prevailed.

MOTION (00:39:33): Commissioner Moody moved Line 87, ENRTF ID: 165-F “Forest Management for Mississippi River Drinking Water Protection”, Crow Wing Soil and Water Conservation District, Melissa Barrick at \$350,000.

AMENDMENT: Commissioner Faber amended Commissioner Moody’s motion to move Line 87, ENRTF ID: 165-F “Forest Management for Mississippi River Drinking Water Protection”, Crow Wing Soil and Water Conservation District, Melissa Barrick at \$300,000 – amendment prevailed.

Members agreed to the following: (1) any ENRTF funds spent on forest management plans must be for lands with a long-term contract commitment for forest conservation; and (2) any restoration must use seeds and plant materials that are local ecotypes.

RENEWED MOTION: Commissioner Moody renewed his motion as amended to move Line 87, ENRTF ID: 165-F “Forest Management for Mississippi River Drinking Water Protection”, Crow Wing Soil and Water Conservation District, Melissa Barrick at \$300,000 and contingent on the following: (1) any

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

ENRTF funds spent on forest management plans must be for lands with a long-term contract commitment for forest conservation; and (2) any restoration must use seeds and plant materials that are local ecotypes. – motion prevailed.

MOTION (00:49:20) Commissioner Faber moved Line 88, ENRTF ID: 155-F “Bee Pollinator Habitat Enhancement – Phase 2”, U of MN, Marla Spivak at \$387,000.

AMENDMENT: Commissioner Wagenius amended Commissioner Faber motion to move Line 88, ENRTF ID: 155-F “Bee Pollinator Habitat Enhancement – Phase 2”, U of MN, Marla Spivak at \$387,000 and contingent on restoration must use local ecotype seeds see "Native Vegetation Establishment and Enhancement Guideline - Minnesota Board of Water and Soil Resources vegetation http://www.bwsr.state.mn.us/native_vegetation/seeding_guidelines.pdf – Commissioner Faber accepted.

RENEWED MOTION: Commissioner Faber renewed his motion to move Line 88, ENRTF ID: 155-F “Bee Pollinator Habitat Enhancement – Phase 2”, U of MN, Marla Spivak at \$387,000 and contingent on restoration must use local ecotype seeds see "Native Vegetation Establishment and Enhancement Guideline - Minnesota Board of Water and Soil Resources vegetation http://www.bwsr.state.mn.us/native_vegetation/seeding_guidelines.pdf – motion prevailed.

Members started reviewing proposals in Category B. Water Resources

MOTION (00:55:41): Commisisoner Broberg moved Line 25, ENRTF ID: 051-B “Tiny Cheap Sensors for Pollutants Monitoring in Waters”, U of MN, Tianhong Cui at \$509,000 – motion prevailed.

MOTION (00:56:37): Commissioner Dahms moved Line 26, ENRTF ID: 043-B “Membrane-Based Process for Decentralized Drinking Water Production”, U of MN, Santiago Romero-Vargas Castrillon at \$191,000 – motion prevailed.

MOTION (00:57:35): Commissioner Moody moved Line 27, ENRTF ID: 035-B “Neonicotinoid Insecticide Effects on Aquatic and Soil Communities”, U of MN, Arnold William at \$412,000.

AMENDMENT: Commissioner Westrom amended Commission Moody’s motion to move Line 27, ENRTF ID: 035-B “Neonicotinoid Insecticide Effects on Aquatic and Soil Communities”, U of MN, Arnold William at \$400,000 – Commissioner Moody accepted the amendment.

RENEWED MOTION: Commissioner Moody renewed his motion as amended to move Line 27, ENRTF ID: 035-B “Neonicotinoid Insecticide Effects on Aquatic and Soil Communities”, U of MN, Arnold William at \$400,000 – motion prevailed.

MOTION (00:59:31): Commissioner Harper-Lore moved Line 28, ENRTF ID: 036-B “Restoring Native Mussels for Cleaner Streams and Lakes”, MN DNR, Mike Davis at \$744,000.

AMENDMENT: Commissioner Tomassoni amended Commissioner Harper-Lore’s motion to move Line 28, ENRTF ID: 036-B “Restoring Native Mussels for Cleaner Streams and Lakes”, MN DNR, Mike Davis at \$500,000 – amendment withdrawn.

Members agreed to discuss DNR Direct and Necessary expenses at the end of the day rather than proposal by proposal.

AMENDMENT: Commissioner Persell amended Commissioner Harper-Lore’s motion to move Line 28, ENRTF ID: 036-B “Restoring Native Mussels for Cleaner Streams and Lakes”, MN DNR, Mike Davis at \$600,000 – amendment prevailed.

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

RENEWED MOTION: Commissioner Harper-Lore renewed her motion to move Line 28, ENRTF ID: 036-B “Restoring Native Mussels for Cleaner Streams and Lakes”, MN DNR, Mike Davis at \$600,000 – motion prevailed.

MOTION (01:11:10): Commissioner Wagenius moved Line 29, ENRTF ID: 040-B “Quantifying Bacteria for Better Wastewater Treatment Process Control”, U of MN, Timothy LaPara at \$398,000 – motion prevailed.

MOTION (01:12:30): Commissioner Broberg moved Line 30, ENRTF ID: 053-B “Eliminating Contaminants to Protect Endangered Native Fish/Mussels”, University of St. Thomas, Kristine Wammer at \$287,000 – motion prevailed.

MOTION (01:13:06): Commissioner Broberg moved Line 31, ENRTF ID: 049-B “Understanding Bedrock Fracture Flow to Improve Groundwater Quality”, Minnesota Geological Survey, Anthony Runkel at \$183,000 – motion prevailed.

MOTION (01:13:38): Commissioner Torkelson moved Line 32, ENRTF ID: 046-B “Reducing Salt and Metal Removal Costs with Microbes”, U of MN, Daniel Bond at \$596,000 – motion prevailed.

MOTION (01:14:20): Commissioner McNamara moved Line 33, ENRTF ID: 037-B “Tracking and Preventing Harmful Algal Blooms, Science Museum of Minnesota – St. Croix Research Station, Daniel Engstrom at \$500,000 and Line 34, ENRTF ID: 038-B “Increasing Harmful Algal Blooms in Minnesota Lakes”, U of MN St. Anthony Falls Laboratory, Miki Hondzo at \$270,000.

Members discussed that these two projects need to coordinate their proposals so that they are complimentary and take advantage of the work of the other project so it does not duplicate efforts.

RENEWED MOTION: Commissioner McNamara renewed his motion to move Line 33, ENRTF ID: 037-B “Tracking and Preventing Harmful Algal Blooms, Science Museum of Minnesota – St. Croix Research Station, Daniel Engstrom at \$500,000 and Line 34, ENRTF ID: 038-B “Increasing Harmful Algal Blooms in Minnesota Lakes”, U of MN St. Anthony Falls Laboratory, Miki Hondzo at \$270,000 with the contingency that they coordinate their proposals so that they are complimentary and take advantage of the work of the other project so it does not duplicate efforts – motion prevailed.

MOTION (01:29:31): Commissioner Tomassoni moved Lines 35-41 (7 proposals):

1. Line 35, ENRTF ID: 083-B “Integrating Targeted Watershed Planning Tools with Citizen Involvement”, Minnesota State University – Mankato, Kimberly Musser at \$169,000
2. Line 36, ENRTF ID: 073-B “Removal of Nitrates from Minnesota Waters”, U of MN, Lawrence Wackett at \$198,000
3. Line 37, ENRTF ID: 039-B “Is Minnesota’s Groundwater Safe to Drink?”, U of MN, Raymond Hozalski at \$299,000
4. Line 38, ENRTF ID: 042-B “Morrison County Performance Drainage and Hydrology Management”, Morrison SWCD, Helen McLennan at \$209,000
5. Line 39, ENRTF ID: 050-B “Protecting Drinking Water Aquifers – Phase 2”, U.S. Geological Survey, Johnathan Bumgarner at \$433,000
6. Line 40, ENRTF ID: 044-B “Salt Impacts to Minnesota Lakes, Rivers and Groundwater”, U of MN, John Gulliver at \$497,000

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

7. Line 41, ENRTF ID: 045-B “Assessing Wetland Restorations for Improved Water Quality”, U of MN, Jacques Finlay at \$420,000
 - Motion prevailed. Commissioner Faber abstained from voting due to a conflict of interest on ENRTF ID: 042-B.

Members started reviewing proposals in Category E. Air Quality, Climate Change, and Renewable Energy

MOTION (01:32:40): Commissioner Moody moved Line 74, ENRTF ID: 140-E “Cheap Solar Cells from Simple Roll-to-Roll Advanced Manufacturing”, U of MN, Tianhong Cui at \$388,000 – motion prevailed.

MOTION (01:33:16): Commissioner Persell moved Line 75, ENRTF ID: 153-E “Solar Solutions to Minnesota Energy Poverty”, Rural Renewable Energy Alliance, Jason Edens at \$490,000 – motion prevailed.

MOTION (01:33:40): Commissioner Wagenius moved Line 76, ENRTF ID: 135-E “High Resolution Climate Projections to Aid Planning Efforts”, U of MN, Peter Snyder at \$411,000 – motion prevailed.

MOTION (01:34:07): Commissioner Faber moved Line 77, ENRTF ID: 151-E “Waste Heat Recovery with Efficient Thermoelectric Energy Generators”, U of MN, Uwe Kortshagen at \$400,000 – motion prevailed.

MOTION (01:35:04): Commissioner Moody moved Line 78, ENRTF ID: 144-E “Geotargeted Distributed Clean Energy Initiative”, Center for Energy and Environment, Carl Nelson at \$600,000.

Members discussed and agreed to fund Activity 1 and 3 as proposed.

AMENDMENT: Commissioner Persell moved to amend Commissioner Moody’s motion to move Line 78, ENRTF ID: 144-E “Geotargeted Distributed Clean Energy Initiative”, Center for Energy and Environment, Carl Nelson at \$800,000.

Members agreed to fund Activity 2 at \$200,000 contingent upon providing a match of a minimum of \$1 to \$1 with nonstate funds and the proposer must report on the status of the pending match of \$1 million listed in the proposal. Members asked staff to get an explanation from the proposer in writing by early November for review.

RENEWED AMENDMENT: Commissioner Persell moved to amend Commissioner Moody’s motion to move Line 78, ENRTF ID: 144-E “Geotargeted Distributed Clean Energy Initiative”, Center for Energy and Environment, Carl Nelson at \$800,000 and to fund Activity 1 and Activity 3 at \$600,000 and to fund Activity 2 at \$200,000 contingent upon providing a match of a minimum of \$1 to \$1 with nonstate funds and the proposer must report on the status of the pending match of \$1 million listed in the proposal – Commissioner Moody accepted.

RENEWED MOTION: Commissioner Moody renewed his motion to move Line 78, ENRTF ID: 144-E “Geotargeted Distributed Clean Energy Initiative”, Center for Energy and Environment, Carl Nelson at \$800,000 and to fund Activity 1 and Activity 3 at \$600,000 and to fund Activity 2 at \$200,000 contingent upon providing a match of a minimum of \$1 to \$1 with nonstate funds and the proposer must report on the status of the pending match of \$1 million listed in the proposal – motion prevailed.

Members started reviewing proposals in Category A. Foundational Natural Resource Data and Information

MOTION (01:57:04): Commissioner McNamara moved Lines 2-5 (4 proposals):

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

1. Line 2, ENRTF ID: 016-A “Improving Brook Trout stream Habitat through Beaver Management”, Bemidji State University, Andrew Hafs at \$225,000
 2. Line 3, ENRTF ID: 019-A “Prescribed Burning to Improve Management for Brushland Species”, U of MN, Rebecca Montgomery at \$267,000
 3. Line 4, ENRTF ID: 020-A “Enhancing Understanding of the Minnesota River Ecosystem”, MN DNR, Jack Lauer at \$500,000
 4. Line 5, ENRTF ID: 003-A “Data Driven Pollinator Conservation”, U of MN, Daniel Cariveau at \$520,000
- Motion prevailed.

MOTION (02:03:15): Commissioner Dziedzic moved Lines 6-9 (4 proposals):

1. Line 6, ENRTF ID: 001-A “Completing the National Wetland Inventory Update for Minnesota”, MN DNR, Steve Kloiber at \$1,500,000
2. Line 7, ENRTF ID: 008-A “Do Neonicotinoids Pose a Risk to Minnesota’s Birds”, U of MN, Julia Ponder at \$349,000
3. Line 8, ENRTF ID: 026-A “Tree Retention Following Harvest: Maximizing Benefits for Wildlife”, U of MN – Duluth NRRI, Gerald Niemi at \$232,000
4. Line 9, ENRTF ID: 007-A “Feasibility of Restoring Elk to Northeastern Minnesota”, U of MN, James Forester at \$300,000

Members asked if proposers with multiple proposals funding the same personnel would have reduced dollar amount if both of their proposals were funded. Susan Thornton stated staff would contact proposers with multiple proposals and confer on the funding requested.

AMENDMENT: Commissioner McNamara moved to amend Commissioner Dziedzic motion by adding Line 13, ENRTF ID: 015-A “Emerald Ash Borer and Black Ash: Wildlife Impacts”, U of MN – Duluth NRRI, Gerald Niemi at \$300,000 and to reduce Line 8, ENRTF ID: 026-A “Tree Retention Following Harvest: Maximizing Benefits for Wildlife”, U of MN – Duluth NRRI, Gerald Niemi to \$200,000 – Commissioner Dziedzic accepted but then withdrew acceptance and returned to original motion.

AMENDMENT: Commissioner Dahms moved to amend Commissioner Dziedzic motion by reducing Line 6, ENRTF ID: 001-A “Completing the National Wetland Inventory Update for Minnesota”, MN DNR, Steve Kloiber to \$1,200,000 – Commissioner Dziedzic accepted.

RENEWED MOTION: Commissioner Dziedzic renewed her motion as amended to move Lines 6-9 (4 proposals):

1. Line 6, ENRTF ID: 001-A “Completing the National Wetland Inventory Update for Minnesota”, MN DNR, Steve Kloiber at \$1,200,000
 2. Line 7, ENRTF ID: 008-A “Do Neonicotinoids Pose a Risk to Minnesota’s Birds”, U of MN, Julia Ponder at \$349,000
 3. Line 8, ENRTF ID: 026-A “Tree Retention Following Harvest: Maximizing Benefits for Wildlife”, U of MN – Duluth NRRI, Gerald Niemi at \$232,000
 4. Line 9, ENRTF ID: 007-A “Feasibility of Restoring Elk to Northeastern Minnesota”, U of MN, James Forester at \$300,000
- motion prevailed.

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

MOTION (02:14:14): Commissioner Wagenius moved Lines 10-14 (5 proposals):

1. Line 10, ENRTF ID: 009-A "Prairie Butterfly Conservation, Research and Breeding – Phase 2", Minnesota Zoo, Erik Runquist at \$956,000
2. Line 11, ENRTF ID: 006-A "Sentinel Lakes Monitoring and Data Synthesis", MN DNR, Melissa Trembl at \$401,000
3. Line 12, ENRTF ID: 011-A "Assessing Vegetations Control on Minnesota's Groundwater", U of MN, Gene-Hua Ng at \$212,000
4. Line 13, ENRTF ID: 015-A "Emerald Ash Borer and Black Ash: Wildlife Impacts", U of MN – Duluth NRRI, Gerald Niemi at \$334,000
5. Line 14, ENRTF ID: 005-A "Wild Bee Surveys in Minnesota's Prairie-Forest Habitats, MN DNR, Crystal Boyd at \$707,000

AMENDMENT: Commissioner Dahms moved to amend Commissioner Wagenius motion by reducing Line 10, ENRTF ID: 009-A "Prairie Butterfly Conservation, Research and Breeding – Phase 2", Minnesota Zoo, Erik Runquist to \$750,000 – amendment prevailed.

AMENDMENT: Commissioner Westrom moved to amend Commissioner Wagenius motion by reducing Line 14, ENRTF ID: 005-A "Wild Bee Surveys in Minnesota's Prairie-Forest Habitats, MN DNR, Crystal Boyd to \$500,000.

Commissioner Persell asked Commissioner Westrom if he would accept changing his amendment to \$600,000 instead of \$500,000. Commissioner Westrom agreed.

RENEWED MOTION TO AMEND: Commissioner Westrom renewed his amendment to amend Commissioner Wagenius motion by reducing Line 14, ENRTF ID: 005-A "Wild Bee Surveys in Minnesota's Prairie-Forest Habitats, MN DNR, Crystal Boyd to \$600,000 – Commissioner Wagenius accepted.

RENEWED MOTION: Commissioner Wagenius renewed her motion as amended to move Lines 10-14 (5 proposals):

1. Line 10, ENRTF ID: 009-A "Prairie Butterfly Conservation, Research and Breeding – Phase 2", Minnesota Zoo, Erik Runquist at \$750,000
 2. Line 11, ENRTF ID: 006-A "Sentinel Lakes Monitoring and Data Synthesis", MN DNR, Melissa Trembl at \$401,000
 3. Line 12, ENRTF ID: 011-A "Assessing Vegetations Control on Minnesota's Groundwater", U of MN, Gene-Hua Ng at \$212,000
 4. Line 13, ENRTF ID: 015-A "Emerald Ash Borer and Black Ash: Wildlife Impacts", U of MN – Duluth NRRI, Gerald Niemi at \$334,000
 5. Line 14, ENRTF ID: 005-A "Wild Bee Surveys in Minnesota's Prairie-Forest Habitats, MN DNR, Crystal Boyd at \$600,000
- motion prevailed.

MOTION (2:28:54): Commissioner McNamara moved Line 15, ENRTF ID: 013-A "Insecticide Exposure Risk of Wildlife on Public Grasslands", MN DNR, Nicole Davros at \$240,000 and Line 16, ENRTF ID: 023-A "Protecting Native Brook Trout: Temperature, Streamflow and Hydrogeology", Minnesota Geological Survey, Bob Tipping at \$100,000.

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

AMENDMENT: Commissioner Moody moved to amend Commissioner McNamara's motion by increasing Line 15, ENRTF ID: 013-A "Insecticide Exposure Risk of Wildlife on Public Grasslands", MN DNR, Nicole Davros to \$250,000 and Line 16, ENRTF ID: 023-A "Protecting Native Brook Trout: Temperature, Streamflow and Hydrogeology", Minnesota Geological Survey, Bob Tipping to \$115,000. Commissioner McNamara accepted Commissioner Moody's amendment.

RENEWED MOTION: Commissioner McNamara renewed his motion as amended to move Line 15, ENRTF ID: 013-A "Insecticide Exposure Risk of Wildlife on Public Grasslands", MN DNR, Nicole Davros at \$250,000 and Line 16, ENRTF ID: 023-A "Protecting Native Brook Trout: Temperature, Streamflow and Hydrogeology", Minnesota Geological Survey, Bob Tipping at \$115,000 – motion prevailed.

Members recessed for working lunch at 11:30 p.m. and reconvened at 12:15 p.m.

Members started reviewing proposals in Category H. Other

MOTION (00:00:52): Commissioner Harper-Lore moved Line 104, ENRTF ID: 185-H "Contract Agreement Reimbursement", MN DNR, Amanda Graeber at \$135,000 – motion prevailed.

Members started reviewing proposals in Category D. Aquatic and Terrestrial Invasive species

MOTION (00:01:48): Commissioner Faber moved Line 66, ENRTF ID: 124-D "White Nose Bat Syndrome Biological Control – Phase 2", U of MN, Christine Salomon at \$250,000 – motion prevailed.

MOTION (00:02:19): Commissioner McNamara moved Line 67, ENRTF ID: 123-D "Advancing Microbial Invasive Species Monitoring from Ballast Discharge", U of MN, Randall Hicks at \$368,000 and Line 68, ENRTF ID: 122-D "Using Membranes to Treat Lake Superior Ballast Water", U of MN, Santiago Romero-Vargas Castrillon at \$151,000 – motion prevailed.

MOTION (00:03:18): Commissioner Wagenius moved Line 69, ENRTF ID: 121-D "Minnesota Invasive Terrestrial Plants and Pests Center – Phase 3", U of MN, Robert Venette at \$5,000,000.

AMENDMENT: Commissioner Tomassoni moved to amend Commissioner Wagenius motion by reducing Line 69, ENRTF ID: 121-D "Minnesota Invasive Terrestrial Plants and Pests Center – Phase 3", U of MN, Robert Venette to \$3,000,000 – amendment prevailed (Division called Yes = 9 / No = 7)

RENEWED MOTION: Commissioner Wagenius renewed her motion as amended to move Line 69, ENRTF ID: 121-D "Minnesota Invasive Terrestrial Plants and Pests Center – Phase 3", U of MN, Robert Venette at \$3,000,000 – motion prevailed.

MOTION (00:18:57): Commissioner Harper-Lore moved Line 70, ENRTF ID: 128-D "Elimination of Target Invasive Plant Species – Phase 2", Minnesota Department of Agriculture, Monika Chandler at \$750,000 – motion prevailed.

MOTION (00:19:40): Commissioner Hoffman moved Line 71, ENRTF ID: 134-D "Invasive Carp Applied Research in Lake Nokomis Subwatershed", Minneapolis Park and Recreation Board, Adam Arvidson at \$190,000. Commissioner Broberg declared a conflict of interest.

AMENDMENT: Commissioner Westrom moved to amend Commissioner Hoffman's motion by reducing Line 71, ENRTF ID: 134-D "Invasive Carp Applied Research in Lake Nokomis Subwatershed", Minneapolis Park and Recreation Board, Adam Arvidson to \$189,000 – Commissioner Hoffman accepted.

RENEWED MOTION: Commissioner Hoffman renewed his motion as amended to move Line 71, ENRTF ID: 134-D "Invasive Carp Applied Research in Lake Nokomis Subwatershed", Minneapolis Park and Recreation Board, Adam Arvidson at \$189,000.

Members started reviewing proposals in Category G. Land Acquisition for Habitat and Recreation

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

MOTION (00:21:05): Commissioner Faber moved Line 94, ENRTF ID: 178-G “Mesabi Trail Segment Highway 135 to Embarrass”, St. Louis and Lake Counties Regional Railroad Author, Robert Manzoline at \$1,200,000 – motion prevailed.

MOTION (00:22:29): Commissioner Torkelson moved Line 95, ENRTF ID: 175-G “SNA Acquisition, Restoration, Enhancement and Public Engagement”, MN DNR, Peggy Booth at \$2,000,000.

AMENDMENT: Commissioner Moody moved to amend Commissioner Torkelson motion by increasing Line 95, ENRTF ID: 175-G “SNA Acquisition, Restoration, Enhancement and Public Engagement”, MN DNR, Peggy Booth to \$3,000,000.

AMENDMENT TO THE AMENDMENT: Commissioner Harper-Lore moved to amend Commissioner Moody’s amendment to Commissioner Torkelson motion by increasing Line 95, ENRTF ID: 175-G “SNA Acquisition, Restoration, Enhancement and Public Engagement”, MN DNR, Peggy Booth to \$7,000,000 – motion did not prevail.

RENEWED AMENDMENT TO THE MOTION: Commissioner Moody moved to amend Commissioner Torkelson’s motion by increasing Line 95, ENRTF ID: 175-G “SNA Acquisition, Restoration, Enhancement and Public Engagement”, MN DNR, Peggy Booth to \$3,000,000 – Commissioner Torkelson accepted the amendment.

AMENDMENT TO THE MOTION: Commissioner McNamara moved to amend Commissioner Torkelson’s motion Line 95, ENRTF ID: 175-G “SNA Acquisition, Restoration, Enhancement and Public Engagement”, MN DNR, Peggy Booth at \$3,000,000 with the contingency that a minimum of one-third of the funding is to be used for restorations of public lands within SNA boundaries – Commissioner Torkelson accepted the amendment.

RENEWED MOTION: Commissioner Torkelson renewed his motion as amended to move Line 95, ENRTF ID: 175-G “SNA Acquisition, Restoration, Enhancement and Public Engagement”, MN DNR, Peggy Booth at \$3,000,000 with the contingency that a minimum of one-third of the funding is to be used for restorations of public lands within SNA boundaries – motion prevailed.

MOTION (00:30:39): Commissioner Wagenius moved Line 96, ENRTF ID: 174-G “State Parks and State Trails Land Acquisitions”, MN DNR, Jennifer Christie at \$2,000,000.

AMENDMENT: Commissioner Faber moved to amend Commissioner Wagenius motion by reducing Line 96, ENRTF ID: 174-G “State Parks and State Trails Land Acquisitions”, MN DNR, Jennifer Christie to \$1,500,000.

Members mentioned this proposal is geographically all over the state and supported full funding.

RENEWED AMENDMENT TO THE MOTION: Commissioner Faber renewed his amendment to Commissioner Wagenius motion by reducing Line 96, ENRTF ID: 174-G “State Parks and State Trails Land Acquisitions”, MN DNR, Jennifer Christie to \$1,500,000 – amendment withdrawn.

RENEWED MOTION: Commissioner Wagenius renewed her motion to move Line 96, ENRTF ID: 174-G “State Parks and State Trails Land Acquisitions”, MN DNR, Jennifer Christie at \$2,000,000 – motion prevailed.

MOTION (00:35:31): Commissioner Moody moved Line 97, ENRTF ID: 177-G “Preserving the Avon Hills with Reverse-Bidding Easements”, Saint John’s University, Thomas Kroll at \$1,300,000.

Members agreed on the following (1) that money to be paid into a stewardship fund for the long-term monitoring and enforcement of conservation easements must be paid with non-state funds; (2) landowners selected for a conservation easement are not to be paid more than the amount they bid; (3) no funding is provided for an upfront \$30,000 payment to the landowner outside of the accepted bid amount; and (4) the state must have authority to enforce requirements in the

conservation easements on land acquired with ENRTF funds and the conservation easement document must explicitly provide for water quality and quantity protection.

RENEWED MOTION: Commissioner Moody renewed his motion to move Line 97, ENRTF ID: 177-G “Preserving the Avon Hills with Reverse-Bidding Easements”, Saint John’s University, Thomas Kroll at \$1,300,000 and contingent on the following: (1) money to be paid into a stewardship fund for the long-term monitoring and enforcement of conservation easements must be paid with non-state funds; (2) landowners selected for a conservation easement are not to be paid more than the amount they bid; (3) no funding is provided for an upfront \$30,000 payment to the landowner outside of the accepted bid amount; and (4) the state must have authority to enforce requirements in the conservation easements on land acquired with ENRTF funds and the conservation easement document must explicitly provide for water quality and quantity protection – motion prevailed.

Members decided to review all proposals receiving an average ranking of 5.5 or below in the following order:

1. Category G “Land Acquisition for Habitat and Recreation
2. Category D “Aquatic and Terrestrial Invasive Species
3. Category H “Other”
4. Category A “Foundational Natural Resource Data and Information
5. Category E “Air Quality, Climate Change, and Renewable Energy
6. Category B “Water Resources”
7. Category F “Methods to Protect, Restore, & Enhance Land, Water & Habitat
8. Category C “Environmental Education”

Members returned to reviewing proposals in Category G. Land Acquisition for Habitat and Recreation

MOTION (00:40:57): Commissioner McNamara moved Line 98, ENRTF ID: 182-G “Otter Tail River Protection and Recreation Trail Acquisition”, City of Fergus Falls, Gordon Hydukovich at \$500,000.

Members agreed on the following: (1) provide a match of a minimum of \$1 to \$1 with non-state funds; (2) the acquisition must include a Phase 1-Environmental Assessment to determine if there is any soil contamination; (3) the city must not accept any liability for previous contamination; (4) the liability should remain with the original polluter if it is a still a viable entity otherwise is should remain with the seller; and (5) the appraisal and acquisition process must meet state requirements.

RENEWED MOTION: Commissioner McNamara renewed his motion to move Line 98, ENRTF ID: 182-G “Otter Tail River Protection and Recreation Trail Acquisition”, City of Fergus Falls, Gordon Hydukovich at \$500,000 and contingent on the following: (1) provide a match of a minimum of \$1 to \$1 with non-state funds; (2) the acquisition must include a Phase 1-Environmental Assessment to determine if there is any soil contamination; (3) the city must not accept any liability for previous contamination; (4) the liability should remain with the original polluter if it is a still a viable entity otherwise is should remain with the seller; and (5) the appraisal and acquisition process must meet state requirements – motion prevailed.

MOTION (00:56:03): Commissioner Tomassoni moved Line 100, ENRTF ID: 183-G “Tower Historic Harbor Nature Trail/Kayak Route”, City of Tower, Linda Keith at \$679,000 – motion prevailed.

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

MOTION (00:58:29): Commissioner Dahms moved Line 101, ENRTF ID: 181-G “Long-Term Drinking Water Supply Protection, Recreation, Habitat Plan”, Lincoln Pipestone Rural Water System, Mark Johnson at \$2,500,000.

Members agreed on the following: (1) the work plan must clearly explain how the proposer will work with the Department of Health to identify the most vulnerable areas and prioritize those for purchase with the funds available. This explanation should be provided in writing to the LCCMR staff for review before it is added to the work plan; (2) land must be maintained in permanent vegetative cover to protect the drinking water aquifer; (3) the land can be used for a variety of sustainable purposes such as solar installations as long as they protect the drinking water aquifer; (4) if the land is restored for habitat purposes, it must use local ecotype seeds see "Native Vegetation Establishment and Enhancement Guideline - Minnesota Board of Water and Soil Resources vegetation http://www.bwsr.state.mn.us/native_vegetation/seeding_guidelines.pdf.

AMENDMENT: Commissioner Tomassoni moved to amend Commissioner Dahms motion by reducing Line 101, ENRTF ID: 181-G “Long-Term Drinking Water Supply Protection, Recreation, Habitat Plan”, Lincoln Pipestone Rural Water System, Mark Johnson to \$1,500,000 – Commissioner Dahms accepted the amendment.

RENEWED MOTION: Commissioner Dahms renewed his motion as amended to move Line 101, ENRTF ID: 181-G “Long-Term Drinking Water Supply Protection, Recreation, Habitat Plan”, Lincoln Pipestone Rural Water System, Mark Johnson at \$1,500,000 and contingent on the following: (1) the work plan must clearly explain how the proposer will work with the Department of Health to identify the most vulnerable areas and prioritize those for purchase with the funds available. This explanation should be provided in writing to the LCCMR staff for review before it is added to the work plan; (2) land must be maintained in permanent vegetative cover to protect the drinking water aquifer; (3) the land can be used for a variety of sustainable purposes such as solar installations as long as they protect the drinking water aquifer; (4) if the land is restored for habitat purposes, it must use local ecotype seeds see "Native Vegetation Establishment and Enhancement Guideline - Minnesota Board of Water and Soil Resources vegetation http://www.bwsr.state.mn.us/native_vegetation/seeding_guidelines.pdf. – motion prevailed.

Members returned to reviewing proposals in Category D. Aquatic and Terrestrial Invasive species

MOTION (01:34:21): Commissioner McNamara moved Line 72, ENRTF ID: 131-D “Winning the Dutch Elm Disease Battle – Phase 2”, U of MN, Robert Blanchette at \$200,000 – motion withdrawn.

MOTION (01:35:35): Commissioner Persell moved Line 72, ENRTF ID: 131-D “Winning the Dutch Elm Disease Battle – Phase 2”, U of MN, Robert Blanchette at \$200,000 – motion prevailed. (Division called Yes = 9 / No = 7)

Members returned to reviewing proposals in Category H. Other

MOTION (01:37:21): Commissioner Westrom moved Line 105, ENRTF ID: 186-H “Roseau Lake Watershed: Targeted Water Quality Improvement”, MN DNR, Henry Van Offelen at \$65,000 – motion prevailed.

Members returned to reviewing proposals in Category A. Foundational Natural Resource Data and Information

MOTION (01:35:51): Commissioner Gibson moved Line 17, ENRTF ID: 002-A “Minnesota Vegetative Buffer Assessment and Prioritization”, U of MN, David Mulla at \$170,000.

Members discussed it as a possible jump start for funding under the Emerging Issues Account.

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

RENEWED MOTION: Commissioner Gibson renewed her motion to move Line 17, ENRTF ID: 002-A “Minnesota Vegetative Buffer Assessment and Prioritization”, U of MN, David Mulla at \$170,000.

MOTION (01:44:43): Commissioner Tomassoni moved Line 18, ENRTF ID: 018-A “Minnesota: How Much Water? How is it Changing?”, U of MN, John Nieber and Line 46, ENRTF ID: 047-B “Innovative assessment of Minnesota’s Surface Waters from Space”, U of MN, Jacques Finlay for a total of \$500,000 and contingent on including the strengths of both projects and remove redundancy – motion prevailed.

MOTION (01:47:28): Commissioner Moody moved Line 19, ENRTF ID: 014-A “Enhancing Forest Inventory Using Multiple Remote Sensing Technologies”, MN DNR, Dennis Kepler at \$1,000,000 – motion prevailed.

MOTION (01:56:57): Commissioner Harper-Lore moved Line 20, ENRTF ID: 004-A “A Statewide Monitoring Network for Minnesota’s Changing Habitats”, MN DNR, Bruce Carlson at \$645,000.

AMENDMENT: Commissioner Young moved to amend Commissioner Harper-Lore motion by reducing Line 20, ENRTF ID: 004-A “A Statewide Monitoring Network for Minnesota’s Changing Habitats”, MN DNR, Bruce Carlson to \$400,000 – amendment prevailed.

Members agreed on the following contingency: the monitoring of plots must include determining if seeds are being set on plants through pollination or if a lack of pollinators is negatively affecting plant regeneration.

RENEWED MOTION: Commissioner Harper-Lore renewed her motion as amended to move Line 20, ENRTF ID: 004-A “A Statewide Monitoring Network for Minnesota’s Changing Habitats”, MN DNR, Bruce Carlson at \$400,000 and contingent on the monitoring of plots must include determining if seeds are being set on plants through pollination or if a lack of pollinators is negatively affecting plant regeneration – motion prevailed.

MOTION (02:09:29): Commissioner Broberg moved Line 21, ENRTF ID: 012-A “State Spring Inventory for Resource Management – Phase 2”, MN DNR, Jan Falteisek at \$370,000 and the work plan must be adjusted so the work is supervised by a senior staff person but the majority of the work is done by less senior staff and the effort must include more outreach to engage the public and other entities to help efficiently identify springs and their locations – motion prevailed.

Members recessed for 10 minutes.

Members returned to reviewing proposals in Category B. Water Resources

MOTION (02:14:57): Commissioner Hoffman moved Line 45, ENRTF ID: 088-B “Surface Water Bacterial Treatment System Pilot Project”, Vadnais Lake area Water Management Organization, Brian Corcoran at \$500,000.

Members agreed the project must consider contracting with the University of Minnesota Civil, Environmental, and Geo-Engineering Department to evaluate the effectiveness of the pilot treatment system so that it maximizes benefit and can be replicated elsewhere.

RENEWED MOTION: Commissioner Hoffman renewed his motion to move Line 45, ENRTF ID: 088-B “Surface Water Bacterial Treatment System Pilot Project”, Vadnais Lake area Water Management Organization, Brian Corcoran at \$500,000 and contingent on the project considering contracting with the University of Minnesota Civil, Environmental, and Geo-Engineering Department to evaluate the effectiveness of the pilot treatment system so that it maximizes benefit and can be replicated elsewhere – motion prevailed.

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

MOTION (02:29:04): Commissioner Faber moved Line 47, ENRTF ID: 070-B “Predicting Climate Change Effects on Mercury in Peatlands”, U of MN, Ed Nater at \$500,000.

AMENDMENT: Commissioner Persell moved to amend Commissioner Faber’s motion by reducing Line 47, ENRTF ID: 070-B “Predicting Climate Change Effects on Mercury in Peatlands”, U of MN, Ed Nater at \$300,000 – Commissioner Faber accepted the amendment.

Members agreed the work plan must provide specific outcomes including: collecting baseline data, predicting future climatic effects, and potential mitigation strategies.

RENEWED MOTION: Commissioner Faber renewed his motion as amended to move Line 47, ENRTF ID: 070-B “Predicting Climate Change Effects on Mercury in Peatlands”, U of MN, Ed Nater at \$300,000 and contingent on providing specific outcomes including: collecting baseline data, predicting future climatic effects, and potential mitigation strategies – motion prevailed.

MOTION (02:34:02): Commissioner Persell moved Line 42, ENRTF ID: 060-B “Sulfate/Wild-Rice Municipal Wastewater Treatment Plant Alternative Analysis”, MPCA, Scott Kyser at \$180,000 – motion prevailed.

MOTION (02:35:38): Commissioner Torkelson moved Line 43, ENRTF ID: 054-B “Engineered Biofilter for Sulfate Removal from Mine Waters”, U of MN, Sebastian Behrens at \$440,000 – motion prevailed.

Members returned to reviewing proposals in Category E. Air Quality, Climate Change, and Renewable Energy

MOTION (02:36:52): Commissioner Westrom moved Line 79, ENRTF ID: 141-E “Clean Vehicles Fueled by Hydrogen from Renewable Ammonia”, U of MN, Will Northrop at \$500,000.

Members agreed the work plan must clearly explain what research has been previously done on this effort by the proposer and what new innovation or different approach is being pursued in this effort and how that will improve the environment in Minnesota. This explanation should be provided in writing to the LCCMR staff for review by staff before it is added to the work plan.

AMENDMENT: Commissioner Tomassoni moved to amend Commissioner Westrom’s motion by reducing Line 79, ENRTF ID: 141-E “Clean Vehicles Fueled by Hydrogen from Renewable Ammonia”, U of MN, Will Northrop to \$400,000 – Commissioner Westrom accepted the amendment.

RENEWED MOTION: Commissioner Westrom renewed his motion as amended to move Line 79, ENRTF ID: 141-E “Clean Vehicles Fueled by Hydrogen from Renewable Ammonia”, U of MN, Will Northrop at \$400,000 and contingent on the work plan clearly explaining what research has been previously done on this effort by the proposer and what new innovation or different approach is being pursued in this effort and how that will improve the environment in Minnesota. This explanation should be provided in writing to the LCCMR staff for review by staff before it is added to the work plan – motion prevailed.

MOTION (02:52:29): Commissioner McNamara moved Line 80, ENRTF ID: 149-E “Innovative Solar Energy Utilization for Minnesota Swine Farms”, U of MN – West Central Research and Outreach Center, Lee Johnston at \$650,000

Members agreed the funding recommendation is subject to the project manager determining if a meaningful project can be done at the recommended funding level. If it can be a viable project, revised activities and clear outcomes have to be provided including how it will quantifiably improve the environment in Minnesota. The ENRTF funding should be focused on the purchase and installation of the solar components. The other infrastructure and related costs and staffing

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

should come from other sources. Please contact the LCCMR office within a week to set up a meeting to discuss options with staff.

RENEWED MOTION: Commissioner McNamara renewed his motion to move Line 80, ENRTF ID: 149-E “Innovative Solar Energy Utilization for Minnesota Swine Farms”, U of MN – West Central Research and Outreach Center, Lee Johnston at \$500,000 and contingent on project manager determining if a meaningful project can be done at the recommended funding level. If it can be a viable project, revised activities and clear outcomes have to be provided including how it will quantifiably improve the environment in Minnesota. The ENRTF funding should be focused on the purchase and installation of the solar components. The other infrastructure and related costs and staffing should come from other sources – motion prevailed.

MOTION (03:04:40): Commissioner Westrom moved Line 81, ENRTF ID: 148-E “Utilization of Dairy Farm Wastewater for Sustainable Production”, U of MN, Bradley Heins at \$1,000,000.

Members agreed the funding recommendation is subject to the project manager determining if a meaningful project can be done at the recommended funding level. If it can be a viable project, revised activities and clear outcomes have to be provided including how it will quantifiably improve the environment in Minnesota.

MOTION: Commissioner Westrom moved Line 81, ENRTF ID: 148-E “Utilization of Dairy Farm Wastewater for Sustainable Production”, U of MN, Bradley Heins at \$1,000,000 and contingent on the project manager determining if a meaningful project can be done at the recommended funding level. If it can be a viable project, revised activities and clear outcomes have to be provided including how it will quantifiably improve the environment in Minnesota – motion did not prevail.

Members returned to reviewing proposals in Category F. Methods to Protect, Restore, and Enhance Land, Water, and Habitat

MOTION (03:12:18): Commissioner Hoffman moved Line 89, ENRTF ID: 173-F “Restoring the City of Champlins Northern Gateway”, City of Champlin, Todd Tuominen at \$2,000,000 – motion prevailed. Commissioner Broberg declared a conflict of interest.

MOTION (03:18:00): Commissioner McNamara moved Lines 90-92 (3 proposals):

1. Line 90, ENRTF ID: 162-F “Measuring Prairie Fragment Connectivity: Pollen and Seed Dispersal”, U of MN, Lauren Sullivan at \$556,000
2. Line 91, ENRTF ID: 161-F “Prioritizing Walleye Spawning Habitat Restoration in Minnesota Lakes”, U of MN, Herb William at \$288,000
3. Line 92, ENRTF ID: 168-F “Agricultural Runoff Water Quality Treatment Analysis – Phase II”, Blue Earth County Drainage Authority, Craig Austinson at \$110,000

Commissioner McNamara removed Line 91, ENRTF ID: 161-F “Prioritizing Walleye Spawning Habitat Restoration in Minnesota Lakes”, U of MN, Herb William at \$288,000 from his motion.

RENEWED MOTION: Commissioner McNamara renewed his motion to move Line 90, ENRTF ID: 162-F “Measuring Prairie Fragment Connectivity: Pollen and Seed Dispersal”, U of MN, Lauren Sullivan at \$556,000 and Line 92, ENRTF ID: 168-F “Agricultural Runoff Water Quality Treatment Analysis – Phase II”, Blue Earth County Drainage Authority, Craig Austinson at \$110,000 – motion prevailed.

Members returned to reviewing proposals in Category C. Environmental Education

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

MOTION (03:23:43): Commissioner Faber moved Line 62, ENRTF ID: 111-C “Toasted Birdhouse Market Readiness Test”, U of MN – Duluth NRRI, Ryan Heffmeier at \$118,000.

AMENDMENT: Commissioner Westrom moved to amend Commissioner Faber’s motion by reducing Line 62, ENRTF ID: 111-C “Toasted Birdhouse Market Readiness Test”, U of MN – Duluth NRRI, Ryan Heffmeier at \$117,000. Commissioner Faber accepted the amendment.

RENEWED MOTION: Commissioner Faber renewed his motion as amended to move Line 62, ENRTF ID: 111-C “Toasted Birdhouse Market Readiness Test”, U of MN – Duluth NRRI, Ryan Heffmeier at \$117,000 – motion prevailed.

MOTION (03:27:43): Commissioner Moody moved Line 63, ENRTF ID: 091-C “Improving Outdoor Classrooms for Education and Recreation”, MN DNR, Amy Kay Kerber at \$750,000.

AMENDMENT TO THE MOTION: Commission Wagenius moved to amend Commissioner Moody’s motion to move Line 63, ENRTF ID: 091-C “Improving Outdoor Classrooms for Education and Recreation”, MN DNR, Amy Kay Kerber at \$440,000 and contingent on funding is for the contract of \$440,000 with Conservation Corps of Minnesota and Iowa (CCMI) for Activity 1 and other CCMI activities in the proposal - Commissioner Moody accepted the amendment.

AMENDMENT TO THE MOTION: Commissioner Faber moved to amend Commissioners Moody’s motion to move Line 63, ENRTF ID: 091-C “Improving Outdoor Classrooms for Education and Recreation”, MN DNR, Amy Kay Kerber at 500,000 – amendment withdrawn.

RENEWED MOTION: Commissioner Moody’s renewed his motion as amended to move Line 63, ENRTF ID: 091-C “Improving Outdoor Classrooms for Education and Recreation”, MN DNR, Amy Kay Kerber at \$440,000 and contingent on funding is for the contract of \$440,000 with Conservation Corps of Minnesota and Iowa (CCMI) for Activity 1 and other CCMI activities in the proposal – motion prevailed.

Members discussed and decided to revisit the DNR Direct and Necessary issue and the Emerging Issues Account at the December meeting.

MOTION (03:41:40): Commissioner Young moved Line 99, ENRTF ID: 180-G “Wilder Forest Acquisition for Conservation, Preservation and Education”, Minnesota Food Association, Hilary Otey Wold at \$550,000.

Members discussed the following: (1) the funding recommendation is subject to the proposer determining if they still have a viable project at the recommended funding level; (2) they must also determine if there is a willing seller for just a portion of the property; (3) they must further explore a partnership with Washington County in order to also protect the high quality natural areas of the Wilder property in addition to the organic agricultural land, and so that the public ENRTF funds would enable the land to belong to the public; and (4) the amount of other available matching funds needs to be updated if it has changed.

AMENDMENT: Commissioner Harper-Lore moved to amend Commissioner Young motion to move Line 99, ENRTF ID: 180-G “Wilder Forest Acquisition for Conservation, Preservation and Education”, Minnesota Food Association, Hilary Otey Wold at \$550,000 by requesting this proposal resubmit next year for funding – motion withdrawn.

RENEWED MOTION: Commissioner Young amended and renewed her motion to move Line 99, ENRTF ID: 180-G “Wilder Forest Acquisition for Conservation, Preservation and Education”, Minnesota Food Association, Hilary Otey Wold at \$500,000 and contingent on the following: (1) the funding recommendation is subject to the proposer determining if they still have a viable project at the recommended funding level; (2) they must also determine if there is a willing seller for just a portion of the property; (3) they must further explore a partnership with Washington County in

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

order to also protect the high quality natural areas of the Wilder property in addition to the organic agricultural land, and so that the public ENRTF funds would enable the land to belong to the public; and (4) the amount of other available matching funds needs to be updated if it has changed – motion prevailed. (Division called Yes = 9 / No = 6)

MOTION (04:12:57): Commissioner Tomassoni moved Line 102, ENRTF ID: 179-G “Minnesota Point Pine Forest SNA Addition Project”, Duluth Airport Authority, Tom Werner and contingent on the funds will being provided directly to the DNR for this potential acquisition – motion prevailed.

MOTION (04:23:20): Commissioner Westrom moved Line 81, ENRTF ID: 148-E “Utilization of Dairy Farm Wastewater for Sustainable Production”, U of MN, Bradley Heins at \$500,000 and contingent on the funding recommendation is subject to the project manager determining if a meaningful project can be done at the recommended funding level. If it can be a viable project, revised activities and clear outcomes have to be provided including how it will quantifiably improve the environment in Minnesota – motion prevailed.

MOTION (04:27:17): Commissioner Broberg moved Line 95, ENRTF ID: 175-G “SNA Acquisition, Restoration, Enhancement and Public Engagement”, MN DNR, Peggy Booth to add \$1,500,000 for a total of \$4,500,000 from \$3,000,000.

AMENDMENT: Commissioner Moody moved to amend Commissioner Broberg’s motion to move Line 95, ENRTF ID: 175-G “SNA Acquisition, Restoration, Enhancement and Public Engagement”, MN DNR, Peggy Booth to add an additional \$500,000 for a total of \$5,000,000 – Commissioner Broberg accepted Commissioner Moody’s amendment.

AMENDMENT: Commissioner Wagenius moved to amend Commissioner Broberg motion to include:

1. Line 69, ENRTF ID: 121-D “Minnesota Invasive Terrestrial Plants and Pests Center – Phase 3”, U of MN, Robert Venette to add \$1,000,000 for a total of \$4,000,000

Commissioner Broberg accepted Commissioner Wagenius amendment.

Commissioner Harper-Lore suggested for Line 20, ENRTF ID: 004-A “A Statewide Monitoring Network for Minnesota’s Changing Habitats”, MN DNR, Bruce Carlson to add \$100,000 for a total of \$500,000.

AMENDMENT: Commissioner Wagenius revised her amendment and moved to amend Commissioner Broberg’s motion to include:

1. Line 20, ENRTF ID: 004-A “A Statewide Monitoring Network for Minnesota’s Changing Habitats”, MN DNR, Bruce Carlson to add \$100,000 for a total of \$500,000
2. Line 69, ENRTF ID: 121-D “Minnesota Invasive Terrestrial Plants and Pests Center – Phase 3”, U of MN, Robert Venette to add \$1,000,000 for a total of \$4,000,000
3. Line 95, ENRTF ID: 175-G “SNA Acquisition, Restoration, Enhancement and Public Engagement”, MN DNR, Peggy Booth to add \$1,000,000 for a total of \$4,000,000

Commissioner Broberg accepted Commissioner Wagenius amendment.

AMENDMENT: Commissioner Dahms moved to amend Commissioner Wagenius amendment to move only Lines 20 and 95 (2 proposals) at a revised allocation:

1. Line 20, ENRTF ID: 004-A “A Statewide Monitoring Network for Minnesota’s Changing Habitats”, MN DNR, Bruce Carlson to add \$100,000 for a total of \$500,000
2. Line 95, ENRTF ID: 175-G “SNA Acquisition, Restoration, Enhancement and Public Engagement”, MN DNR, Peggy Booth to add \$750,000 for a total of \$3,750,000

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

Commissioner Faber suggested the following:

1. Line 20, ENRTF ID: 004-A “A Statewide Monitoring Network for Minnesota’s Changing Habitats”, MN DNR, Bruce Carlson to add \$100,000 for a total of \$500,000
2. Line 69, ENRTF ID: 121-D “Minnesota Invasive Terrestrial Plants and Pests Center – Phase 3”, U of MN, Robert Venette to add \$750,000 for a total of \$3,750,000
3. Line 95, ENRTF ID: 175-G “SNA Acquisition, Restoration, Enhancement and Public Engagement”, MN DNR, Peggy Booth to add \$1,000,000 for a total of \$4,000,000 with the contingency that a minimum of one-third of the funding is to be used for restorations of public lands within SNA boundaries

AMENDMENT: Commissioner Tomassoni moved to amend Commissioner Dahms’s amendment to move Lines 20, 69, and 95 (3 proposals):

1. Line 20, ENRTF ID: 004-A “A Statewide Monitoring Network for Minnesota’s Changing Habitats”, MN DNR, Bruce Carlson to add \$100,000 for a total of \$500,000
2. Line 69, ENRTF ID: 121-D “Minnesota Invasive Terrestrial Plants and Pests Center – Phase 3”, U of MN, Robert Venette to add \$750,000 for a total of \$3,750,000
3. Line 95, ENRTF ID: 175-G “SNA Acquisition, Restoration, Enhancement and Public Engagement”, MN DNR, Peggy Booth to add \$1,000,000 for a total of \$4,000,000 with the contingency that a minimum of one-third of the funding is to be used for restorations of public lands within SNA boundaries

Commissioner Dahm’s accepts Commissioner Tomassoni’s amendment and withdrew his amendment.

- amendment prevailed.

RENEWED MOTION: Commissioner Broberg renewed his motion as amended to move Lines 20, 69, and 95 (3 proposals):

1. Line 20, ENRTF ID: 004-A “A Statewide Monitoring Network for Minnesota’s Changing Habitats”, MN DNR, Bruce Carlson to add \$100,000 for a total of \$500,000
2. Line 69, ENRTF ID: 121-D “Minnesota Invasive Terrestrial Plants and Pests Center – Phase 3”, U of MN, Robert Venette to add \$750,000 for a total of \$3,750,000
3. Line 95, ENRTF ID: 175-G “SNA Acquisition, Restoration, Enhancement and Public Engagement”, MN DNR, Peggy Booth to add \$1,000,000 for a total of \$4,000,000 with the contingency that a minimum of one-third of the funding is to be used for restorations of public lands within SNA boundaries

- motion prevailed.

4. Continue Proposal Allocation Recommendations for the Environment and Natural Resources Trust Fund for FY17 (July 1, 2016)

MOTION (04:43:22): Commissioner Tomassoni moved the FY2017 LCCMR Allocations Recommendation Summary (2016 RFP) Spreadsheet for the Environment and Natural Resources Trust Fund (ENRTF)

- motion prevailed (voice vote unanimous – 16 members present) .

5. Emerging Issues Account Procedure and Issue Discussion – M.L. 2015, Chp. 76, Sec. 2, Subd. 10, “Emerging Issues Account”, \$1,000,000 (if time allows)

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

Members agreed to discuss at the next LCCMR meeting on December 2, 2015 along with DNR Direct and Necessary expenses.

6. Other business (as needed)

- Next steps in the process

- Next meeting, October 21, 2015 (if needed)

Commissioner McNamara handed out a letter dated October 20, 2015. (See Attachment #4).

Members agreed to cancel the meeting for October 21, 2015.

7. Adjourn

The meeting adjourned at 5:35 p.m.

FY17 Conflict of Interest

ENRTF ID	LCCMR Member
042-B	Commissioner Faber reported a conflict of interest for ENRTF ID: 042-B “Morrison County Performance Drainage and Hydrology Management”, Morrison SWCD. Written statement attached. (Attachment #1)
088-B	Commissioner Young reported a conflict of interest for ENRTF ID: 088-B “Surface Water Bacterial Treatment System Pilot Project”, Vadnais Lake Area Water Management Organization. Written statement attached. (Attachment #2)
099-C	Commissioner Gibson reported a conflict of interest for ENRTF ID: 099-C “Expanded Wolves at Our Door Program”, International Wolf Center. Written statement attached. (Attachment #3)
134-D	Commissioner Broberg reported a conflict of interest for ENRTF ID: 134-D “Invasive Carp Applied Research in Lake Nokomis Subwatershed”, Minneapolis Park and Recreation Board and ENRTF ID: 173-F “. Written statement attached. (Attachment #4)
153-E	Co-Chair Persell stated he does not have a conflict for ENRTF ID: 153-E “Solar Solutions to Minnesota Energy Poverty”, Rural Renewable Energy Alliance but would like it noted that he works for the Leech Lake Band of Ojibwe. The Leech Lake Band of Ojibwe are partners in the ENRTF ID: 153-E proposal but will not be receiving any funding from this proposal.
173-F	Commissioner Broberg reported a conflict of interest for ENRTF ID: 134-D “Invasive Carp Applied Research in Lake Nokomis Subwatershed”, Minneapolis Park and Recreation Board and ENRTF ID: 173-F “. Written statement attached. (Attachment #4)
183-G	Commissioner Lappia reported a conflict of interest for ENRTF ID: 183-G, “Tower Historic Harbor Nature Trail/Kayak Route”, City of Tower. Written statement attached. (Attachment #5)
n/a	Commissioner Kari Dziedic reminded members of a letter on file from Tom Bottern, Senate Counsel, regarding a family member working at the DNR affirming that it did not constitute a conflict of interest with MN DNR’s proposals submitted. (Attachment #6)

Diana Griffith

To: Susan Thornton
Subject: RE: Faber COI 42B

From: William Faber [<mailto:WFaber@clcmn.edu>]
Sent: Wednesday, September 30, 2015 7:22 AM
To: Susan Thornton <susan.thornton@lccmr.leg.mn>
Subject: Re: DNR launches voluntary program to test ducks for avian influenza

Dear Susan and LCCMR Co-Chairs Persell, Gibson, and Tomassoni,

I would like to officially notify you of an upcoming conflict of interest that I have, concerning the proposal hearing of Project 042-B Morrison County Performance Drainage and Hydrology Management, scheduled for Wed. October 7 at 2:45 P.M. (I don't plan on attending that entire day, but still want this put in the official minutes) - I would like to recuse myself from that hearing, and any other actions concerning that project. If you need further information or justification kindly let me know, otherwise a confirmation of receipt of this e-mail would be greatly appreciated-

Thanks kindly, see you tomorrow- Dr. Bill Faber

William E. "Bill" Faber, Ph.D., Certified Wildlife Biologist®
Natural Resources Program Head, Dept. of Natural Resources
Central Lakes College
501 West College Drive
Brainerd, MN 56401
(218) 855-8082/(800) 933-0346, Ext. 8082
wfaber@clcmn.edu

"We all answer the calls of life: family, God, friends, and career. Some of us hear an additional voice, the call of conservation." Jim Slinsky



Please consider the environment before printing this E-mail

Diana Griffith

Subject: FW: 88-B - Conflict of Interest Statement

From: Young, Della NS [<mailto:dnsyoung@burnsmcd.com>]
Sent: Monday, September 21, 2015 4:20 PM
To: Susan Thornton <susan.thornton@lccmr.leg.mn>
Cc: Young, Della NS <dnsyoung@burnsmcd.com>
Subject: 88-B - Conflict of Interest Statement

LCCMR Commission Members:

Burns & McDonnell Engineering Consulting firm is assisting the Vadnais Lake Are Water Management Organization (VLAWMO) with this proposal. As an employee of Burns & McDonnell a conflict of interest exists.

Thanks,

Della Schall Young, PMP, CPESC \ Burns & McDonnell
Sr. Hydrologist \ Regional ES&P Manager
O 952.656.3613 \ M 651.249.6974
dnsyoung@burnsmcd.com \ burnsmcd.com
8201 Norman Center Dr., Ste 300 \ Bloomington, MN 55437

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September 18, 2015

Senator David Tomassoni-Co-Chair LCCMR
Representative John Persell- Co-Chair LCCMR
LCCMR Office
Room 65 State Office Building
100 Rev. Dr. Martin Luther King Jr. Blvd.
Saint Paul, MN 55155

Dear Senator Tomassoni and Representative Persell:

This letter declares that I have a conflict of interest with LCCMR proposal 99C "Expanded Wolves at Our Door" submitted by the International Wolf Center. I am a current member of the board of directors at the International Wolf Center.

Sincerely,

A handwritten signature in black ink, appearing to read "Nancy Gibson". The signature is fluid and cursive, with the first name "Nancy" written in a larger, more prominent script than the last name "Gibson".

Nancy Gibson
LCCMR Co-Chair
2712 Glenhurst Ave.
St. Louis Park, MN 55416

Jeffrey S. Broberg
LCCMR Citizen Commissioner
11596 Persons Rd, St. Charles, MN 55972
C 507-273-4961

LCCMR Chairmen and Executive Committee
c/o Susan Thornton, Executive Director
Rm 5 State Office Building
St. Paul, MN 55155

Re: Avoidance of appearance of conflict of interest.

Projects

173-F Restoring the City of Champlain's Northern Gateway

134-D Invasive Carp Applied Research in Lake Nokomis sub watershed.

Dear LCCMR Chairs and Ms. Thornton:

I wanted to be put on record information relative to my current employment at WSB Associates, Inc. who was named in two LCCMR proposals 134-D and 173-F. Two years ago I sold my ownership interest in McGhie & Betts Environmental Services (38 employees) to WSB Associates, Inc. (350 employees). At the time of the sale I entered into an employment contract with WSB as a Senior Environmental Manager for the Environmental Natural Resources and Permitting Group in Rochester, MN. I have no stock or other ownership interest in WSB and I gain no financial benefit directly from any WSB projects.

No Prohibited Conflict of Interests.

For the two projects where WSB has been mentioned as possible consulting engineers WSB is not the project proposer. I have no direct, or indirect interest in the project proposers, the City of Champlain or the Minneapolis Park and Recreation Board, therefore, I do not believe I have a prohibiting conflict of interest in projects 134-D and 173-F.

Conflict of Interest Managed Through Procedures:

I am not an employee of the project proposers, nor would I gain any direct financial benefit if WSB were selected as a project consultant and I do not have any conflict in these regards. However, due to the possibility that WSB Associates, Inc. could be selected as a consultant by these project proposers it is remotely possible that I could be asked to provide consulting services to the project proposers. For this reason, however remote, I prefer to avoid any appearance of conflict of interest and therefore I will not advocate for, or against, nor vote on projects 134-D or 173-F.

Sincerely:



Jeffrey S. Broberg

Diana Griffith

Subject: FW: Conflict of Interest Letter Needed

From: Gary Lamppa [<mailto:glamppa@crdlc.net>]
Sent: Thursday, September 17, 2015 4:15 PM
To: Susan Thornton <susan.thornton@lccmr.leg.mn>
Subject: Re: Conflict of Interest Letter Needed

I have declared a conflict of interest for 183g the Tower Historic Harbor project. While working for SEH, I secured this project for SEH engineering and upon my retirement they have retained me as a consultant. I understand that I cannot participate in advocating for or voting as it has to do with this project. Thank you.

Sent from my iPad
Gary Lamppa, Principal
Community Resource Development
Office phone: 651-770-7417
Cell phone: 218-260-9639
glamppa@crdlc.net

**Senate Counsel, Research,
and Fiscal Analysis**

G-17 STATE CAPITOL
75 REV. DR. MARTIN LUTHER KING JR. BLVD.
ST. PAUL, MN 55155-1606
(651) 296-4791
FAX (651) 296-7747
THOMAS S. BOTTERN
DIRECTOR

Senate

State of Minnesota

TO: Senator Kari Dziedzic

FROM: Tom Bottern, Director (651/296-3810) *TB*

DATE: June 29, 2012

RE: LCCMR Procedures -- Analysis of Conflict of Interest
Regarding a Family Member

You have asked me whether the Procedures of the Legislative-Citizen Commission on Minnesota Resources (LCCMR Procedures) (as adopted September 23, 2008, and attached to this memo as you provided them to me) raise any concerns regarding a potential conflict of interest arising from your brother-in-law's employment with the Minnesota Department of Natural Resources (DNR). After reviewing the procedures and the information you have provided to me, I do not believe a conflict of interest exists.

Item C, section 7 of the LCCMR Procedures deals with conflicts of interest. Under the heading titled "Conflict of Interest to be Managed through Procedures" the LCCMR Procedures state "nevertheless, certain affiliations may constitute a conflict of interest that must be managed by the LCCMR. They include...having a family relationship with a proposer or a staff or board member of a proposing organization." The LCCMR Procedures then state that a conflict of interest must be identified before or during the initial proposal review process, and that a member who has declared a conflict of interest "may not advocate for or against the proposal or vote on the proposal."

The first step in evaluating this issue is to determine whether your brother-in-law can be considered a "family member" within the meaning of the LCCMR Procedures, which do not contain a definition of the term "family member". In the absence of a specific definition, the term should be given a reasonable construction and interpretation based on the common understanding of the term. With that in mind, I have reviewed selected Minnesota Statutes in search of a definition of the term "family member." There are several sections in statute that



define the term "immediate family member." One example is Minnesota Statutes, section 58A.02, subdivision 4, found in the chapter of law regulating Individual Mortgage Licensing. This subdivision defines "immediate family member" as follows:

58A.02 DEFINITIONS.

Subd. 4. Immediate family member.

"Immediate family member" means a spouse, child, sibling, a parent, grandparent, or grandchild. This includes stepparents, stepchildren, stepsiblings, and adoptive relationships.

Another example is Minnesota Statutes, section 181.947, which provides unpaid leave for immediate family members of military personnel injured or killed in active service. Minnesota Statutes, section 181.947, subdivision 1, paragraph (e), defines "immediate family member" to mean "a person's parent, child, grandparents, siblings, or spouse."

I did not find a statute that defines in-laws (whether siblings or parents related by marriage) as family members. As you can see, the two statutes I have cited in this memo do not contain a reference to in-laws, even though they provide a broad and inclusive definition of the term "immediate family member." These definitions in statute provide a strong basis to interpret the term "family member" as it used in the LCCMR Procedures not to include siblings related by marriage.

I do not believe the term "family member" as it is used in LCCMR Procedures includes a relationship to a sibling by marriage. For this reason alone, I believe the LCCMR Procedures do not require you to declare a conflict of interest with respect to any LCCMR project proposal involving your brother-in-law.

/TSB

Attachment

cc: Greg Knopff

2016 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 [Project Manager]	\$ Request	Region of Impact	Member Notes [Compiled from all members. Notes from individual members are are designated with bullets]	Staff Notes	Average Score - Members that Scored	All Member Scores - High to Low	# Members that Scored	# Members with Conflict	SELECTED	LCCMR Recommendation
1	A. Foundational Natural Resource Data and Information (22 Proposals / Subtotal \$10,915,868)												
2	016-A	Improving Brook Trout Stream Habitat through Beaver Management	Bemidji State University [Hafs, Andrew]	\$225,210	NE	- \$210,000 - Balanced benefits of beaver. - \$210,000, remove GIS workstation. - 1 of 30 < \$300,000.	- Budget includes designated contract: \$96,500 for University of Minnesota-Duluth. - Budget includes potentially ineligible item: some portion of \$15,000 for GIS workstation. - Wildlife	7.00	8,8,8,8,8,8,8,7,7,7,6,5,5,4	16	0		
3	019-A	Prescribed Burning to Improve Management for Brushland Species	U of MN [Montgomery, Rebecca]	\$267,623	NE	- Full funding. - Question the value. - 1 of 30 < \$300,000.	- Budget includes designated contract: \$58,500 for MN DNR	6.93	9,9,9,9,9,8,8,7,7,6,4,4,4,2	15	0		
4	020-A	Enhancing Understanding of the Minnesota River Ecosystem	MN DNR [Lauer, Jack]	\$573,447	Central, Metro, SW, SE	- No direct and necessary expenses. - \$500,000 - \$500,000 - Too much money. Limited value; rather have a project on the ground. - We need better understanding of this ecosystem.	- Budget includes \$38,852 for "Direct and Necessary Expenses". - Budget includes potentially ineligible items: \$3,000 for computers and \$3,000 for misc replacement equipment. - Travel budget includes mileage fee of \$0.73/mile, which exceeds Federal mileage rate.	6.81	9,8,8,8,8,8,8,8,7,7,6,6,5,5,0	16	0		
5	003-A	Data Driven Pollinator Conservation	U of MN [Cariveau, Daniel]	\$558,611	Central, NW, SW	- \$500,000 - Baseline data. - Full funding. - Seems like we should have the information of what is a good bee habitat. - Fund at \$500,000. Native planting decisions must be decided on. - For \$500,000	- Related open appropriations: ML 2014 - "Enhancing Pollinator Landscapes" = \$864,000 (expires 06/30/2019) - Budget includes some undesignated portion of \$5,000 for journal publication fees. - Pollinators	6.56	9,9,9,8,8,8,8,7,7,7,7,6,5,5,2,0	16	0		

Line #	LCCMR ID #	Project Title	Organization [Project Manager]	\$ Request	Region of Impact	Member Notes	Staff Notes	Average Score - Members that Scored	All Member Scores - High to Low	# Members that Scored	# Members with Conflicts	Attachment #2	
						[Compiled from all members. Notes from individual members are are designated with bullets]						SELECTED	LCCMR Recommendation
6	001-A	Completing the National Wetland Inventory Update for Minnesota	MN DNR [Kloiber, Steve]	\$1,608,750	NW	- \$0 - \$1,500,000 - Complete it. - Really good project. - \$1,500,000 - Way too expensive, DNR should be doing on their own. Good that they have cut down direct and necessary costs. Should scale for less money, if approved at all. - 2 years of funding only. - Critical to future decision-making. Fund at \$1,500,000. - For \$1,500,000.	- Related open appropriations: ML 2013 - Updating the National Wetland Inventory for Minnesota - Phase IV = \$1,000,000 (expires 06/30/16); ML 2015 - Updating the National Wetland Inventory for Minnesota - Phase V = \$1,500,000 (expires 06/30/18) - Budget includes designated contracts: \$200,000 for MN.IT; \$150,000 for DNR Resource Assessment Office; \$300,000 for St. Croix Watershed Research Station. - Budget includes \$69,270 for "Direct and Necessary Expenses", of which \$54,020 is for division and regional program management (to be revised). - Statewide natural resource dataset - Proposer reduced amount requested from \$1,644,270 to \$1,608,750.	6.56	9,9,9,9,9,8,8,7,7,7,6,5,5,0,0	16	0		
7	008-A	Do Neonicotinoids Pose a Risk to Minnesotas Birds?	U of MN [Ponder, Julia]	\$349,767	Statewide	- Full funding. - Innovative and necessary. Fund at full request.	- Budget includes designated contract: \$87,010 for MN DNR; \$104,295 for Southern Illinois University - Carbondale - Wildlife - Neonicotinoids	6.56	9,9,9,9,9,9,9,8,8,6,5,4,4,3,3,1	16	0		
8	026-A	Tree Retention Following Harvest: Maximizing Benefits for Wildlife	U of MN - Duluth NRRRI [Niemi, Gerald]	\$232,310	Statewide	- This will lead to science based solutions. - Full funding but not double-pay for same co-Pis on 015-A. - So, so. - 1 of 30 < \$300,000.	- Forestry	6.53	9,9,8,8,8,8,7,7,7,6,5,5,3,1	15	0		
9	007-A	Feasibility of Restoring Elk to Northeastern Minnesota	U of MN [Forester, James]	\$325,541	Northeast	- Full funding. - Seems like a lot of money to just study something we already know will work. I'd rather fund bringing some elk here, if anything. - Eastern Elk don't move has much as western elk. Might be worth a try. - Fund at \$300,000. - For \$300,000.	- Project appears to be requesting to update data for MN Land Cover dataset funded by ENRTF beginning 07/01/14 and not scheduled to be completed until 06/30/17. - Wildlife	6.50	9,9,9,8,8,8,8,8,6,5,5,4,4,3,2	16	0		

Line #	LCCMR ID #	Project Title	Organization [Project Manager]	\$ Request	Region of Impact	Member Notes	Staff Notes	Average Score - Members that Scored	All Member Scores - High to Low	# Members that Scored	# Members with Conflicts	Attachment #2	
						[Compiled from all members. Notes from individual members are are designated with bullets]						SELECTED	LCCMR Recommendation
10	009-A	Prairie Butterfly Conservation, Research and Breeding - Phase 2	Minnesota Zoo [Runquist, Erik]	\$956,042	NW, SW	- \$500,000 - \$500,000 - \$500,000 - Seems expensive and not sure that it is that valuable. DNR should not be getting so much - nearly half of it. - Endangered Butterflies including the Minnesota Butterfly. Praire pollinators. - Fund at 50%. Important work! - For \$500,000.	- Joint proposal with DNR: MN Zoo request = \$551,050; DNR = \$438,992 - Related open appropriations: ML 2014 - Imperiled Prairie Butterfly Conservation, Research and Breeding Program = \$625,000 (expires 06/30/2017) - Budget includes capital expenditures over \$5,000: \$34,000 for 2 hoop houses. - Budget includes \$24,632 for DNR "Direct and Necessary Expenses". - Pollinators - Proposer reduced amount requested from \$990,042 to \$956,042.	6.44	9,9,9,7,7,7,7,7,7,7,5,5,5,4,1	16	0		
11	006-A	Sentinel Lakes Monitoring and Data Synthesis	MN DNR [Trembl, Melissa]	\$401,623	NW, NE, SW, SE	- No direct and necessary expenses. - \$300,000 - When will DNR do this? - Good dataset. I am struggling to see the outcome of this project. - \$290,000 - Not a good use of money. Expensive. We don't need to test lakes every year - 5 years is often enough. - Hopefully last phase. Fund at \$300,000.	- Related open appropriations: ML 2013 - Sustaining Lakes in a Changing Environment - Phase II = \$1,200,000 (expires 06/30/2016). - Budget includes \$28,173 for "Direct and Necessary Expenses". - Water	6.38	8,8,8,8,7,7,7,7,6,6,6,5,5,5,4	16	0		
12	011-A	Assessing Vegetations Control on Minnesota's Groundwater	U of MN [Ng, Gene-Hua (Crystal)]	\$212,964	Statewide	- Recharging data is critical. - Full funding. - Unsure if really needed. - Unknown vegetation effect. Full funding. - 1 of 30 < \$300,000.	- Budget includes potentially ineligible item: \$3,000 for desktop computer.	6.19	9,9,9,9,8,8,8,7,7,6,5,5,5,3,1,0	16	0		
13	015-A	Emerald Ash Borer and Black Ash: Wildlife Impacts	U of MN - Duluth NRRI [Niemi, Gerald]	\$334,218	Statewide	- Full funding. - Full funding.		6.19	8,8,8,8,7,7,7,7,6,6,6,5,5,5,1	16	0		
14	005-A	Wild Bee Surveys in Minnesotas Prairie-Forest Habitats	MN DNR [Boyd, Crystal]	\$707,364	Central, Metro, NW, SW, SE	- \$0 - \$500,000 - \$600,000 - This just never ends; costs too much and for what? - Question the Direct and necessary costs factored by the agency. - Wild bees are likely as important as honeybees at the end of the day. - For \$500,000; Coordinate efforts with other investigators.	- Related open appropriations: ML 2014 - "Wild Bee Pollinator Surveys in Prairie-Grassland Habitats" = \$370,000 (expires 06/30/2016). - Budget includes \$34,664 for "Direct and Necessary Expenses". - Pollinators - Statewide natural resource dataset	6.06	9,9,9,8,8,8,8,8,7,7,6,5,3,2,0,0	16	0		

Line #	LCCMR ID #	Project Title	Organization [Project Manager]	\$ Request	Region of Impact	Member Notes	Staff Notes	Average Score - Members that Scored	All Member Scores - High to Low	# Members that Scored	# Members with Conflicts	Attachment #2	
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15	013-A	Insecticide Exposure Risk of Wildlife on Public Grasslands	MN DNR [Davros, Nicole]	\$263,299	Central, SW, SE	- No direct and necessary expenses. - Full funding. - Not direct and necessary. - I like this approach to drift and exposure. - Full funding. Need to know how this impacts to define BMPs. - 1 of 30 < \$300,000.	- Budget includes \$4,799 for "Direct and Necessary Expenses". - Wildlife - Pollinators	5.94	9,9,9,8,8,7,7,7,6,6,5,5,4,2,2,1	16	0		
16	023-A	Protecting Native Brook Trout: Temperature, Streamflow and Hydrogeology	Minnesota Geological Survey [Tipping, Bob]	\$119,858	SE	- Full funding. - Not really valuable. - 1 of 30 < \$300,000 - unique equipment use could be very revealing.	- Budget includes designated contract: \$8,300 for MN DNR; \$12,800 for Oregon State University	5.63	9,9,8,8,8,7,7,7,7,4,4,3,3,2,2,2	16	0		
17	002-A	Minnesota Vegetative Buffer Assessment and Prioritization	U of MN [Mulla, David]	\$170,421	Statewide	- \$0 - Timed with current buffer law? Emerging issue? - Applicable. - Full funding. - Jumpstart with emerging issues funds. - Prioritization critical to buffer work. - Coordinate with DNR and counties on mapping; 1 of 30 < \$300,000.	- Unknown what funding available in FY16-17 buffer initiative appropriations. - Budget includes potentially ineligible expense: \$6,500 for computers. - Agriculture - Water	5.31	9,9,8,8,8,8,8,7,7,4,4,3,2,0,0,0	16	0		
18	018-A	Minnesota: How Much Water? How is it Changing?	U of MN [Nieber, John]	\$702,231	Statewide	- \$400,000 - Make data accessible and user friendly. - How will this information translate...might want to. - For \$400,000 - limit proposal to high water withdrawal areas, metro, central sands.	- Budget includes designated contract: \$129,600 for USGS - Water	5.06	8,7,7,7,6,6,6,6,5,5,5,5,3,3,2,0	16	0		
19	014-A	Enhancing Forest Inventory Using Multiple Remote Sensing Technologies	MN DNR [Kepler, Dennis]	\$1,053,638	Statewide	- \$0 - \$1,000,000 - Unsure of any real value; way too expensive. - Full funding to improve inventory and us greater understanding. - Optimism low on this. Fund at \$300,000. - For \$1,000,000.	- Related appropriations: ML 2013 - Improved Rapid Forest Ecosystem and Habitat Inventory = \$262,000 (expired 06/30/15) - Budget includes designated contract: \$50,000 for U of MN; \$50,000 for Northland Technical College. - Budget includes capital expenditures over \$5,000: \$30,000 for 3-survey grade GPS units - Budget includes \$63,837 for "Direct and Necessary Expenses". - Forestry	4.81	9,8,8,8,7,7,6,6,5,5,4,4,0,0,0,0	16	0		

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						[Compiled from all members. Notes from individual members are are designated with bullets]						SELECTED	LCCMR Recommendation
20	004-A	A Statewide Monitoring Network for Minnesota's Changing Habitats	MN DNR [Carlson, Bruce]	\$645,821	Statewide	- \$450,000; no direct and necessary expenses. - \$400,000 - \$450,000 - Outcome? Collaboration? - \$400,000 - Not necessary. Based on climate change speculation, so just not based on facts. - Begin with grasslands in prioritization of work. Fund at \$400,000.	- Related open appropriations: ML 2015 - MN Biological Survey = \$2,450,000 (expires 06/30/17) - Budget includes designated contract: \$56,000 for MN.IT - Travel budget includes both a rental fee and a mileage fee. - Budget includes \$52,621 for "Direct and Necessary Expenses". - Statewide natural resource dataset	4.81	9,8,7,7,7,6,6,6,5,5,4,3,3,1,0,0	16	0		
21	012-A	State Spring Inventory for Resource Management - Phase 2	MN DNR [Falteisek, Jan]	\$518,499	Statewide	- \$250,000; no direct and necessary expenses. - \$350,000 - Supplant? Seek old data. - \$350,000 - Not necessary. - Rethink collection method. \$350,000. - For \$350,000 - need more worker bee and less supervisor and professional involvement.	- Related open appropriations: ML 2014 - State Spring Inventory for Resource Management and Protection" = \$200,000 (06/30/2017) - Budget includes designated contract: \$15,000 for MN Geological Survey; \$20,000 for MN.IT - Budget includes \$46,506 for "Direct and Necessary Expenses". - Water resources data - Statewide natural resources dataset	4.50	9,7,7,7,6,6,6,5,5,4,3,3,2,2,0,0	16	0		
22	017-A	Promoting Prairie Pollinators: Bee Diversity in Fragmented Prairies	U of MN [Moeller, David]	\$598,569	Central, NW	- \$500,000 - Consider removing Activity 2 from the proposal. Is this being done by others? Plan to collaborate with other. - So many bee studies, they seem to overlap and duplicate. Not sure how valuable and the true value. Better than others if they actually put the bee habitat on the ground. - Good information and response. Would like to see more collaboration and coordination.	- Budget includes house rental in western MN at \$6,000/month. - Travel budget includes request to rent vehicles and pay for fuel rather than mileage rate. - Proposed work is partly duplicative of current ENRTF-funded DNR wild bee survey. Differences include increased # of site comparisons, expanded geographic range, and additional analysis of site size, site isolation, and bee and plant relationships. - Wildlife - Pollinators	4.00	9,7,7,7,6,6,5,4,4,3,2,2,1,1,0,0	16	0		
23	031-A	Habitat Use of Minnesota's Rarest Rodent [WITHDRAWN]	Leech Lake Band of Ojibwe (Mortensen, Steve)	\$90,062	Central	- PROPOSAL WITHDRAWN BY PROPOSER.		N/A	N/A	N/A	N/A		
24	B. Water Resources (27 Proposals / Subtotal \$11,646,275)												
25	051-B	Tiny Cheap Sensors for Pollutants Monitoring in Waters	U of MN [Cui, Tianhong]	\$508,878	Statewide	- Full funding. - Try to reduce some costs, but good experiment. - \$500,000 - Can they partner with 047-B?	- Potential patent and/or related future income to ENRTF per 116P.10. - Timeline requirements are unclear - somewhere between 3 and 3.5 years.	8.06	9,9,9,9,9,9,8,8,8,8,8,7,6,5	16	0		

Line #	LCCMR ID #	Project Title	Organization [Project Manager]	\$ Request	Region of Impact	Member Notes	Staff Notes	Average Score - Members that Scored	All Member Scores - High to Low	# Members that Scored	# Members with Conflicts	Attachment #2	
						[Compiled from all members. Notes from individual members are are designated with bullets]						SELECTED	LCCMR Recommendation
26	043-B	Membrane-Based Process for Decentralized Drinking Water Production	U of MN [Romero-Vargas Castrillón, Santiago]	\$191,304	Statewide	- Full funding. - Great project. - Full funding. - Good project, if it can do what they claim. Good value and a commercial future is real. - Innovative...full funding. - 1 of 30 < \$300,000; home/farm scale nitrate treatement will be necessary for all rural residents in coming decades.	- Budget includes capital expenditures over \$5,000: \$63,795 to conctruct one lab-scale forward osmosis system and membrane distillation system and one forward osmosis and membrane distillation pilot scale water purification unit. - Potential patent and/or related future income to ENRTF per 116P.10.	7.63	9,9,9,9,9,8,8,8,7,7,7,6,5,5	16	0		
27	035-B	Neonicotinoid Insecticide Effects on Aquatic and Soil Communities	U of MN [Arnold, William]	\$412,000	Statewide	- Full funding. - Fund at \$400,000. - These chemical are used everywhere - should be a high priority to understand aquatic effects.	- Neonicotinoids - Potential emerging issue.	7.25	9,9,9,9,9,9,8,8,8,7,7,5,4,3,3	16	0		
28	036-B	Restoring Native Mussels for Cleaner Streams and Lakes	MN DNR [Davis, Mike]	\$744,798	Statewide	- No direct and necessary expenses. - Full funding. - Too expensive, should be put toward small requests with more value & end date. Seems like a project that would never quit and replaces what the DNR is already supposed to be doing. - Great collaborative! Full funding. - Mike Davis is a true expert. This is a great partnership with the Zoo.	- Request includes capital expenditures over \$5,000: \$16,000 for Aquaneering fish habitat system; \$5,000 for water transport trailer and tank. - Budget includes \$10,000 for out-of-state travel. - Budget includes \$58,948 for "Direct and Necessary Expenses"	7.25	9,9,9,9,9,9,9,8,8,7,6,4,2,0	16	0		
29	040-B	Quantifying Bacteria for Better Wastewater Treatment Process Control	U of MN [LaPara, Timothy]	\$398,592	Statewide	- I like the project and the fact that there could be tools to work this project. - Good, but are we getting ahead of regulations that may never come? - Full funding - Good idea- it is amazing that we don't understand these fundementals of waste treatment.	Budget includes designated contract: \$37,500 for UMN Genomics Center	7.19	9,9,8,8,8,8,8,7,7,7,7,7,6,6,3	16	0		
30	053-B	Eliminating Contaminants to Protect Endangered Native Fish/Mussels	University of St. Thomas [Wammer, Kristine]	\$287,448	Statewide	- Decent value, but not sure if this substantively is valuable. - Good partnership! Full funding. - I like the multi-university team. One of 30 projects under \$300,000.	- Budget includes capital expenditures over \$5,000: \$11,085 for UV photoreactor - Budget includes designated contract: \$87,017 for Gustavus Adolphus; \$33,000 for UMN - Crookston	6.88	9,9,8,8,8,8,8,8,8,7,7,7,6,4,3,2	16	0		
31	049-B	Understanding Bedrock Fracture Flow to Improve Groundwater Quality	Minnesota Geological Survey [Runkel, Anthony]	\$183,627	Metro, SE	- Full funding. - Another key to water quality. Full \$. - 1 of 30 <\$300,000; will greatly advance knowledge of hydrology of Twin Cites Basin.	- Budget includes designated contract: \$40,000 for University of Guleph, Ontario	6.75	9,9,9,8,8,8,8,7,7,6,6,5,5,3,1	16	0		

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32	046-B	Reducing Salt and Metal Removal Costs with Microbes	U of MN [Bond, Daniel]	\$596,599	Statewide	- Full funding. - Seems expensive, but an interesting natural type filter. - Fund at \$500,000. - For \$500,000; cool extension of Sudan mine extremeophiles.	- Related open appropriations: ML 2013 - Harnessing Soudan Mine Microbes: Bioremediation, Bioenergy and Biocontrol = \$838,000 (expires 06/30/16) - Budget includes \$3,000 for journal publication fees. - Budget includes capital expenditures over \$5,000: \$47,800 to build 8 water treatment reactors. - Potential patent and/or related future income to ENRTF per 116P.10. - Sulfates	6.44	9,8,8,8,8,8,7,7,7,6,6,3,3,2	16	0		
33	037-B	Tracking and Preventing Harmful Algal Blooms	Science Museum of Minnesota - St. Croix Research Station [Engstrom, Daniel]	\$764,300	Statewide	- \$500,000 - Full funding. - Merge 37 and 38 for emerging issue. - Emerging issue. These projects [37 and 38] should be considered together. - Emerging issue, combine with 038-B. - Preventing should be the focus, tracking them is maybe not worth the investment. - Emerging issue - full funding. - Coordinate with 038-B.	- Budget includes designated contract: \$100,000 for USGS - Addresses research questions from 06/25/15 LCCMR presentation of: 1. Improving ability to predict when and where blue-green blooms will occur ("early warning"); 2. Determining what conditions favor the production of blue-green algae; however not specifically production of toxins; 3. Potentially examining what factors can be controlled or moderated. - Blue-green algae - Potential emerging issue.	6.44	9,9,9,9,9,8,8,8,7,6,5,4,3,0,0	16	0		
34	038-B	Increasing Harmful Algal Blooms in Minnesota Lakes	U of MN - St. Anthony Falls Laboratory [Hondzo, Miki]	\$395,249	Statewide	- Full funding. - Merge 37 and 38 for emerging issue. - Emerging issue. These projects [37 and 38] should be considered together. - Emerging issue, combine with 037-B. - Better value than 37B. What is the difference? It still should cut cost. - Emerging issue - full funding. - Coordinate with 037-B.	- Budget includes capital expenditures over \$5,000: \$8,792 for laboratory fluorometer - Budget includes \$7,500 for conference attendance and some unidentified portion of \$6,025 for journal publication fees. - Request includes potentially ineligible items: \$12,300 for travel/lodging for citizen work group; some undesignated portion of \$6,025 for food for citizen gatherings. - Addresses research questions from 06/25/15 LCCMR presentation of: 1. Improving ability to predict when and where blue-green blooms will occur ("early warning"); 2. Determining what conditions favor the production of toxins; 3. Maybe examining what factors can be controlled or moderated; 4. Maybe determining if toxins persist and when water becomes safe. - Blue-green algae - Potential emerging issue.	6.38	9,9,9,9,9,8,8,8,8,7,7,5,4,2,0,0	16	0		

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35	083-B	Integrating Targeted Watershed Planning Tools with Citizen Involvement	Minnesota State University, Mankato Water Resources Center [Musser, Kimberly]	\$169,108	Statewide	- I like the project, I am not sure I understand what the upfront tool assessment is required. - Full funding. - So-so project. Is it really that valuable? - Full funding. - 1 of 30 <\$300,000; high leverage %.		6.38	9,9,9,8,8,8,7,6,5,5,5,4,4,4,3	16	0		
36	073-B	Removal of Nitrates from Minnesota Waters	U of MN [Wackett, Lawrence]	\$198,256	Statewide	- Good price, great project. - Full funding. - 1 of 30 < \$300,000; clever approach.	- Budget includes designated contract: \$40,000 for UMN Biotechnology Institute - Potential patent and/or related future income to ENRTF per 116P.10. - Unclear how proposed technology would be deployed if developed.	6.31	8,8,8,8,8,7,7,7,7,6,5,5,4,3,3	16	0		
37	039-B	Is Minnesotas Groundwater Safe to Drink?	U of MN [Hozalski, Raymond]	\$299,829	Statewide	- \$250,000 - groundwater only. - Full funds. - 1 of 30 < \$300,000; \$250,000 only for Groundwater, not piping systems.	- Budget includes designated contract: \$20,000 for UMN Genomics Center	6.19	9,9,9,8,8,8,8,7,6,5,5,5,3,2,2	16	0		
38	042-B	Morrison County Performance Drainage and Hydrology Management	Morrison SWCD [McLennan, Helen]	\$209,600	Central	- \$0 - Need data. - Reluctant to do this. - Full. - 1 of 30 <\$300,000 - very impressive group of conservation leaders.	- Equipment/Tools/Supplies needs better breakdown and may include potentially ineligible expenses: \$75,000 for "Trimble survey laser equipment/software/vehicle/laptop" - Travel budget is \$11,000 for "fuel/vehicle maintenance" - - Proposer reduced amount requested from \$261,000 to \$209,600.	6.14	9,9,9,9,8,8,7,7,6,4,1,0,0	14	1		
39	050-B	Protecting Drinking Water Aquifers- Phase 2	U. S. Geological Survey [Bumgarner, Johnathan]	\$433,400	Statewide	- Full funding. - Fund @ \$400,000. - Need to better understand these aquifers for planning and permitting	- Related open appropriations: ML 2014 - Protection of State's Confined Drinking Water Aquifers = \$394,000 (expires 06/30/17) - Budget includes designated contract: \$151,000 for USGS; \$34,000 for MN Geological Survey	6.13	9,9,9,9,8,7,7,7,7,6,5,5,4,4,2,0	16	0		
40	044-B	Salt Impacts to Minnesota Lakes, Rivers and Groundwater	U of MN [Gulliver, John]	\$497,276	Statewide	- \$400,000 - Full funding. - Full funding. - Good for Morris and communities struggling with salt discharge. - Full funding. - For \$400,000	- Budget includes designated contract: \$66,300 for Connie Fortran; \$29,111 for Peter Weiss	5.75	9,9,9,8,8,8,7,6,5,5,4,3,3,3,3,2	16	0		

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41	045-B	Assessing Wetland Restorations for Improved Water Quality	U of MN [Finlay, Jacques]	\$420,000	Central, NW, SW	- Full funding. - There are a lot of studies already on this topic, seems duplicative. - Long overdue. Full funding. - For \$350,000.	- Budget includes \$1,000 for journal publication fees	5.50	8,8,8,7,7,7,6,6,6,5,5,5,4,3,2,1	16	0		
42	060-B	Sulfate/Wild-Rice Muncipal Wastewater Treatment Plant Alternative Analysis	MPCA [Kyser, Scott]	\$180,000	Metro	- \$0 - Need additional discussion. I don't understand what this passthrough is necessary. - Full funding. - Not necessary. Seems like we are just putting the cart before the horse. There is no sulfide standard yet, so not needed by PCA. - Full funding. Need exists. - 1 of 30 < \$300,000; low cost to find a soultion that could be widely adopted.	- Entire budget request of \$180,000 is for contracts to be determined through RFP. - Sulfates	5.31	8,8,8,7,7,7,7,7,6,5,5,4,3,3,0,0	16	0		
43	054-B	Engineered Biofilter for Sulfate Removal from Mine Waters	U of MN [Behrens, Sebastian]	\$439,817	NE	- Great, well thought out project. - Need mining investment...full funding. - A novel approach to bio-engineering for a pressing need.	- Budget includes designated contract: \$12,000 for UMN Genomics Center; \$34,000 for UMN Research Analytical Lab. - Potential patent and/or related future income to ENRTF per 116P.10. - Sulfates	4.94	8,7,7,7,7,6,6,5,5,5,4,4,3,3,2,0	16	0		
44	055-B	Novel Algae Bioreactors for Nitrogen and Phosphorus Removal	U of MN [Ishii, Satoshi]	\$350,000	Statewide	- I don't/didn't understand the process or end product. - Are they qualified? - Novel approach for bioengineering.	- Budget includes designated contract: \$5,800 for UMN Genomics Center; \$2,700 for UMN Soil and Water Testing Lab	4.94	8,8,7,7,6,6,6,5,5,4,4,4,3,3,3,0	16	0		
45	088-B	Surface Water Bacterial Treatment System Pilot Project	Vadnais Lake Area Water Management Organization [Corcoran, Brian]	\$991,600	Metro	- \$500,000 - \$500,000 - Needed now - full funding. - \$500,000; I think they can downsize to prove the concept.	- Budget includes some undesignated portion of \$52,000 for conference attendance and journal publication fees. - TMDL	4.53	9,8,8,7,7,7,6,5,5,3,2,1,0,0,0	15	1		
46	047-B	Innovative Assessment of Minnesotas Surface Waters from Space	U of MN [Finlay, Jacques]	\$458,000	Statewide	- \$350,000 - \$350,000 - \$350,000 - \$350,000...add limnologist to team. - For \$350,000. - Can they partner with 051-B?	- Budget includes some undesignated portion of \$9,000 for conference attendance and \$2,000 for journal publication fees. - Travel budget includes both vehicle rental and vehicle mileage fees. - Budget includes capital expenditures over \$5,000: \$20,000 for YSI Sensor	4.50	8,7,7,7,7,6,5,5,4,4,3,3,2,2,2,0	16	0		

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47	070-B	Predicting Climate Change Effects on Mercury in Peatlands	U of MN [Nater, Ed]	\$643,088	Statewide	- \$600,000 - \$600,000 - Climate change speculation, not great value. - Fund at \$500,000. - For \$500,000.	- Budget includes \$18,000 for out of state travel.	4.38	9,8,7,6,5,5,5,5,5,4,3,2,1,0,0	16	0		
48	052-B	Perfluorochemical Contamination Effects on Amphibians and Wetland Ecosystems	U of MN - Duluth NRRI [Schoff, Patrick]	\$250,954	Statewide	- Not clear on what the goal or outcome would be? What's the value, then? - Necessary. Frogs are canaries in wetland health. Full \$. - 1 of 30 <\$300,000; not sure we learn anything important here, the chemicals are no longer made or distributed in MN and they are already found everywhere on the globe.	- Proposer changed project manager from Jennifer Olker to Patrick Schoff.	3.63	8,7,6,6,5,5,5,3,2,2,1,1,1,0,0	16	0		
49	061-B	Vanishing Winter: Effects on Lakes Small to Large	U of MN - Large Lakes Observatory [Sterner, Robert]	\$600,000	NE	- \$0 - \$500,000 - Uncertain science. - \$500,000. - For \$500,000.	- Related open appropriations: ML 2013 - Evaluation of Lake Superior Water Quality Health = \$600,000 (expires 06/30/16) - Request includes \$5,000 for "Educator support, busing, and subsistence" - Budget amount requested is \$600,000 on cover page and \$599,590 on budget page.	3.63	7,7,7,6,6,5,5,4,4,3,3,1,0,0,0,0	16	0		
50	082-B	Hydrologic Trends: Identify, Manage and Adapt	Freshwater Society [Gerber, Darrell]	\$682,000	Statewide	- \$400,000 - This project wasn't well thought out. I am not sure I understand the need or the intended response. - Not convincing that they were targeting or focusing on the area with biggest needs.	- Budget includes designated contract: \$240,000 for USGS; \$30,000 for Science Museum of MN; \$223,000 for Rebecca Kluckhohn and Joel Toso; \$50,000 for UMN - Budget includes potentially ineligible expense: salary for executive director = \$44,000	2.44	7,7,6,4,3,3,3,3,1,1,1,0,0,0,0,0	16	0		
51	056-B	On-Farm Prairie Filter Strips: Optimizing Water Quality Benefits	U of MN - Water Resources Center [Sleeper, Faye]	\$340,552	Central, SW, SE	- How is this different...what will be new and innovative here? What about the infiltration risk? - So long as this is not supplanting what the DNR should already do. - No consideration of the risks of infiltrating water into recharge area. Poor site selection.	- Budget includes designated contract: \$17,000 for Land Stewardship Project	2.38	6,6,5,4,4,4,3,2,2,1,1,0,0,0,0,0	16	0		
52	C. Environmental Education (12 Proposals / Subtotal \$3,449,709)												
53	094-C	Standards-Based Dakota Indian Land Curriculum for 1,250 Students	Dakota Wicohan [Peterson, Teresa]	\$197,104	Statewide	- Very impressive project. - Full funding. - Should be a history class in school. - Full funding. - 1 of 30 < \$300,000; deserves statewide exposure.	- Budget includes designated contract: \$48,000 for Darlene St. Clair; \$24,000 for Teresa Peterson; \$18,000 for Heather Peters; \$10,000 for MN Valley History Learning Center; \$5,000 for MN Humanities Center; \$5,000 for St. Cloud State University; \$16,000 for Smythe Graphics	8.00	9,9,9,9,9,9,9,9,9,7,7,7,7,5,5	16	0		

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54	105-C	Promoting Stewardship through Student Mentoring and River Monitoring	Southwest Minnesota State University [Deaver, Emily]	\$39,490	SW	- Pretty good project. - Full funding (\$40,000). - Low price, good value. - Full funding. - 1 of 30 < \$300,000; WOW a great project for wider involvement in water quality understanding.	- Request includes approximately \$6,000 for bus transportation.	7.94	9,9,9,9,9,9,9,9,9,8,7,7,6,0	16	0		
55	090-C	Minnesota Conservation Apprentice Academy	Board of Water and Soil Resources [Gieseke, Jenny]	\$433,000	Statewide	- Great program. - Full funding. - Full support. - This needs to transition to general fund for BWSR; a fundamental for good operations.	- Related open appropriations: ML 2014 - Minnesota Conservation Apprenticeship Academy = \$392,000 (expires 06/30/17) - Budget includes designated contract: \$427,000 for Conservation Corps MN	7.07	9,9,9,9,9,8,8,8,7,7,5,3,1	15	0		
56	101-C	The New Prairie Sportsman Statewide Broadcast Video Project	Pioneer Public Television [Bakken, Timothy]	\$300,000	Statewide	- I really like this program and thing it should be fully funded. - Make sure this is objective. - Full funding. - 1 of 30 < \$300,000; good editorial vision and abality to expand audience.		6.69	9,8,8,8,8,7,7,7,7,7,6,5,5,0	16	0		
57	092-C	Youth-Led Energy Action Projects in 50 Minnesota Communities	Prairie Woods Environmental Learning Center [Foster, Shelli-Kae]	\$450,500	Statewide	- I missed this presentation but this is a compelling proposal. - Full funding. - Okay if we could lower the cost; too expensive. - \$300,000 - WOW. Lets help them transition to the self supported model.	- Related open appropriations: ML 2014 - Youth-led Sustainability Initiatives in 40 Greater Minnesota Communities = \$350,000 (expires 06/30/16) - Budget includes designated contract: \$50,000 for St. John's University; \$50,000 for Laurentian Environmental Learning Center - Budget includes request for \$40,000 for school district reimbursement of costs for substitute teachers and transportation costs.	6.56	9,9,8,8,7,7,7,7,7,6,6,5,5,4,3	16	0		
58	096-C	Creating Southwest Minnesota High School Student Wildlife Champions	Minnesota Zoo [Strecker, Carol]	\$147,400	SW	- Full funding. - Want to make sure they don't just become reliant on this every year, if it works. - Full funding. - 1 of 30 < \$300,000; great SW MN outreach for a popular program.		6.56	9,8,8,7,7,7,7,7,6,6,6,6,5,5,4	16	0		
59	093-C	Hunters Choice: Alternative Ammunition	U of MN [Ponder, Julia]	\$133,054	Statewide	- Full funding. - Not sure we need this. - Full funding. - 1 of 30 <\$300,000; a top priority.		6.06	9,9,9,9,9,9,9,8,8,7,4,3,3,1,0,0	16	0		

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60	112-C	Master Water Steward Program Expansion	Freshwater Society [Knapp, Peggy]	\$116,000	Statewide	- I missed the presentation but I am well aware of the quality of this program and feel it should be fully funded. - Full funding. - It works. Full funding. - 1 of 30 < \$300,000; effective in past - should go statewide.	- Equipment/Tools Supplies budget has inadequate detail: \$5,000 for "program materials".	5.69	9,9,8,8,8,8,7,7,6,4,3,3,2,1,0	16	0		
61	099-C	Expanded Wolves at our Door program	International Wolf Center [Kline, David]	\$240,012	Statewide	- \$0 - Pretty good program...I appreciate the lessons kids learn and how they approach wolves... - Full funding. - THIS SEEMS TO BE EVERY YEAR. - Full funding. - 1 of 30 < \$300,000; popular and needs statewide exposure.	- Related open appropriations: ML 2014 - Wolf Management Education = \$120,000 (expires 06/30/16)	5.53	9,9,9,9,9,7,7,5,5,4,1,0,0,0	15	1		
62	111-C	"Toasted" Birdhouse Market Readiness Test	U of MN - Duluth NRRI [Hueffmeier, Ryan]	\$117,846	Statewide	- \$0 - Replaces treated wood with heated wood. - Full funding. - Seems unnecessary. - An eco-friendly birdhouse...full funding. - 1 of 30 < \$300,000.		4.69	9,9,8,8,8,7,7,6,5,3,2,2,1,0,0,0	16	0		
63	091-C	Improving Outdoor Classrooms for Education and Recreation	MN DNR [Kerber, Amy Kay]	\$766,563	Statewide	- No direct and necessary expenses. - \$500,000 - This appears to be a really good project. I am really concerned about the cost and how this supplants. - \$500,000 - Activity 1 only. - \$500,000 - For \$500,000.	- Budget includes designated contract: \$440,000 for Conservation Corps MN - Budget includes \$20,363 for "Direct and Necessary Expenses"	4.56	8,7,7,7,7,7,6,6,5,3,3,3,2,1,1,0	16	0		
64	120-C	Connecting Every 4th Grader in State Parks	MN DNR [Conrad, Jennifer]	\$508,740	Statewide	- No direct and necessary expenses. - This was a poorly thought out program and should be re-tooled and presented next year. - Shaky plans. - Rethink and bring back. - Retool this and come back next year with a plan on what kids will do at state parks.	- Budget includes designated contract: \$40,000 for Conservation Corps MN - Request includes approximately \$460,000 for bus transportation. - Budget includes \$8,740 for "Direct and Necessary Expenses" - Final proposal did not submit budget document or respond to request to provide one. Draft version of budget used.	3.13	8,7,5,4,4,4,3,3,3,2,2,2,2,1,0,0	16	0		

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65	D. Aquatic and Terrestrial Invasive Species (7 Proposals / Subtotal \$7,244,841)												
66	124-D	White Nose Bat Syndrome Biological Control - Phase 2	U of MN [Salomon, Christine]	\$452,532	Statewide	- Full funding. - Bats are not a desirable animal to pour money into. Maybe nature's way to level the population. Bats are bountiful in numbers where we live. - Full funding...proactive study.	- Related open appropriations: ML 2013 - Harnessing Soudan Mine Microbes: Bioremediation, Bioenergy and Biocontrol = \$838,000 (expires 06/30/16) - Budget includes \$1,500 for journal publication fees. - Terrestrial Invasive Species	7.56	9,9,9,9,9,8,8,8,8,7,7,7,6,0	16	0		
67	123-D	Advancing Microbial Invasive Species Monitoring from Ballast Discharge	U of MN [Hicks, Randall]	\$368,995	NE	- Full funding. - Full funding.	- Budget includes designated contract: \$44,500 for Northeast-Midwest Institute - Budget includes \$2,045 for journal publication fees. - Support letter from PCA and DNR. - Ballast water - Aquatic Invasive Species	6.75	9,9,9,9,8,8,8,7,7,7,6,5,5,3,3	16	0		
68	122-D	Using Membranes to Treat Lake Superior Ballast Water	U of MN [Romero-Vargas Castrillón, Santiago]	\$151,091	NE	- Where are the shipping interests? - Ballast water research is critical to the reduction/elimination of invasive species transport. - Full funding. - Good cost/value ratio. Tangible outcomes that could actually be used. - Full funding. - 1 of 30 < \$300,000.	- Budget includes potentially ineligible expense: \$1,120 for computer. - Ballast water - Aquatic Invasive Species	6.69	9,9,8,8,8,7,7,7,7,7,7,5,5,3,3	16	0		
69	121-D	Minnesota Invasive Terrestrial Plants and Pests Center - Phase 3	U of MN [Venette, Dr. Robert]	\$5,000,000	Statewide	- \$2,000,000 - \$3,000,000 - \$4,000,000 - why not General Fund monies also?? - Just too much money. A small amount of money doesn't seem like they would go ahead with other money, so just not feasible. - \$4,000,000...omit oak wilt. - \$4,000,000	- Related open appropriations: ML 2014 - Invasive Terrestrial Plants and Pests Center = \$1,450,000 (expires 06/30/22); ML 2015 - Minnesota Invasive Terrestrial Plants and Pests Center = \$5,000,000 (expires 06/30/23) - Terrestrial Invasive Species	6.63	9,9,9,9,8,8,8,8,7,7,6,6,5,4,3,0	16	0		
70	128-D	Elimination of Target Invasive Plant Species - Phase 2	Minnesota Department of Agriculture [Chandler, Monika]	\$752,100	Statewide	- Full funding. - Not convinced it's worth it. - Preemptive work that saves future costs. Full funding. - For \$600,000.	- Related open appropriations: ML 2013 - Elimination of Target Invasive Plant Species = \$350,000 (expires 06/30/16) - Budget includes designated contract: \$175,000 for Conservation Corps MN; \$22,500 for St. Croix River Association - Budget includes potentially ineligible costs: \$8,000 for 20 tablet computers. - Terrestrial Invasive Species	6.63	9,9,8,8,8,8,7,7,7,6,6,5,5,5,3	16	0		

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71	134-D	Invasive Carp Applied Research in Lake Nokomis Subwatershed	Minneapolis Park and Recreation Board [Arvidson, Adam]	\$189,936	Metro	- Full funding. - Reasonable cost, if they can produce outcomes. - Full funding.	- Budget includes designated contracts: \$89,959 for WSB Engineers; \$26,000 for Blue Water Science. - Aquatic Invasive Species	6.40	9,9,9,8,8,8,7,7,7,5,5,4,3,0	15	1		
72	131-D	Winning the Dutch Elm Disease Battle - Phase 2	U of MN [Blanchette, Robert]	\$330,187	Statewide	- \$200,000 - Delivering tangibles, which is good.	- Related open appropriations: ML 2014 - Finding Disease Resistant Elm Trees in Minnesota = \$200,000 (expires 06/30/16) - Terrestrial Invasive Species	4.69	8,7,7,6,6,6,5,5,4,4,4,3,3,3,0	16	0		
73	E. Air Quality, Climate Change, and Renewable Energy (8 Proposals / Subtotal \$6,767,459)												
74	140-E	Cheap Solar Cells from Simple Roll-to-Roll Advanced Manufacturing	U of MN [Cui, Tianhong]	\$388,762	Statewide	- Full funding. - Full funding. - Intriguing product to develop. Shows great promise to becoming a real product. - Need venture capital investor.	- Budget includes potentially ineligible item: some portion of \$21,200 for computer server; some portion of \$6,800 for refreshments. - Potential patent and/or related future income to ENRTF per 116P.10.	7.44	9,9,9,9,9,8,8,8,8,7,7,7,7,5,0	16	0		
75	153-E	Solar Solutions to Minnesota Energy Poverty	Rural Renewable Energy Alliance [Edens, Jason]	\$490,429	Central	- Addresses low in. - Full funding. - Seems expensive. - Full to benefit people...but should be a partnership.	- Request is to build community solar garden. RFP category description indicates "funding for capital projects will not be considered." - Budget includes capital expenditure over \$5,000: \$211,311 for photovoltaic solar module; \$73,032 for gound-mount racking; \$32,080 for Sunergy inverters; \$23,527 fror electrical systems; \$31,820 for helical piles; \$35,243 for fencing. - Budget includes designated contract: \$3,500 for Gausman and Moore; \$7,500 for Meyer Borgman and Johnson	6.50	9,9,9,9,8,8,7,7,6,6,6,6,5,3,0	16	0		
76	135-E	High Resolution Climate Projections to Aid Planning Efforts	U of MN [Snyder, Peter]	\$411,389	Statewide	- Full funding. - Expensive and just predicting the weather which none of us will be around to disprove anyways. - Full funding.	- Budget includes potentially ineligible item: \$20,000 for data server and data drives. - Budget includes \$6,000 for journal publication fees.	5.88	9,9,9,9,9,8,8,6,5,5,4,3,1,0,0	16	0		
77	151-E	Waste Heat Recovery with Efficient Thermoelectric Energy Generators	U of MN [Kortshagen, Uwe]	\$404,427	Metro	- \$400,000 - A real, usable proposal that, longterm, helps the environment, but could stand on its own, once developed. - Full, not for coal power plants.	- Equipment/Tools Supplies budget has inadequate detail: \$40,000 with no indication of what the money is for; \$30,000 for "lab supplies"	5.81	9,9,8,8,8,8,7,7,6,6,5,5,5,2,0,0	16	0		

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78	144-E	Geotargeted Distributed Clean Energy Initiative	Center for Energy and Environment [Nelson, Carl]	\$1,850,000	Statewide	- \$600,000 - Activity 1 and part of Activity 2. - \$600,000 - Activity 1 and scale back on Activity 2. - Good, but too expensive. - Activity 1 only. - Activity 1 & 2 for \$600,000 only. - For \$600,000; Xcel needs to be all in - an investor benefit. - For Activity 1.	- Budget includes designated contract: \$200,000 for Energy Systems Consulting, LLC	5.63	9,9,8,7,7,6,6,6,5,5,5,3,3,0	16	0		
79	141-E	Clean Vehicles Fueled by Hydrogen from Renewable Ammonia	U of MN [Northrop, Will]	\$842,849	Metro, NW	- Wind to hydrogen already being done. - Good ideas. A unique, but feasible fuel.	- Budget includes capital expenditures over \$5,000: \$20,000 for test engine; ~\$45,000 for building ammonia decomposition reactor prototype; ~\$60,000 for construction of fuel cell electric vehicle refueling system, and more (breakdown is confusing). - Potential patent and/or related future income to ENRTF per 116P.10.	4.81	9,9,9,9,7,6,6,4,4,4,3,3,2,2,0,0	16	0		
80	149-E	Innovative Solar Energy Utilization for Minnesota Swine Farms	U of MN - West Central Research and Outreach Center [Johnston, Lee]	\$928,478	Central, NW, SW, SE	- This is being done by members of AgriGrowth. - Good,. Try to find cost reductions on solar panels. Maybe high estimates of those costs. See if a company would donate some panels if they get the research info too. - Ask MDA for funding.	- Related open appropriations: ML 2014 - Transitioning Minnesota Farms to Local Energy = \$500,000 (expires 06/30/17) - Request involves capital construction; RFP category description indicates "funding for capital projects will not be considered." - Budget includes capital expenditures over \$5,000: \$70,000 for 7 chiller/air source heat pumps; \$80,000 for 10 electric heating systems; \$100,000 for 20 kW solar photovoltaic system; \$32,600 for 2 heating and cooling system controls.	3.94	9,9,9,8,7,6,6,3,3,2,1,0,0,0,0,0	16	0		
81	148-E	Utilization of Dairy Farm Wastewater for Sustainable Production	U of MN [Heins, Bradley]	\$1,451,125	Statewide	- Try to maybe cut back some costs. Seems a little expensive, but exciting objective. - Ask MDA for funding.	- Request is to build integrated dairy farm wastewater recycling system. RFP category description indicates "funding for capital projects will not be considered." - Budget includes capital expenditures over \$5,000: \$35,000 for automatic calf feeder; \$146,500 for aquaponic facility; \$221,500 for algal cultivation system. - Budget includes \$9,000 for journal publication fees. - Potential patent and/or related future income to ENRTF per 116P.10.	3.69	9,9,8,8,7,6,6,3,2,1,0,0,0,0,0,0	16	0		

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82	F. Methods to Protect, Restore, and Enhance Land, Water, and Habitat (10 Proposals / Subtotal \$4,697,617)												
83	169-F	Restoration/Monitoring of Winona’s 40-acre Blufflands Natural Area	Winona State University [Mundahl, Neal]	\$99,427	SE	- Good project. - Full funding. - Don't see great value in this. - Full...no goats on dry prairie portion. - 1 of 30 < \$300,000	- Budget includes designated contract: \$20,000 for Driftless Land Stewardship; \$13,000 for Conservation Corps MN - Did they apply to Conservation Partners?	6.88	9,9,9,9,8,8,8,7,7,7,6,6,5,4,2	16	0		
84	154-F	Seeding Between the Lines: Permanent Habitat Within Rowcrops	Science Museum of Minnesota - St. Croix Research Station [Schottler, Shawn]	\$179,400	Statewide	- This is a pretty good project and it has a willing participant. - Full funding. - Reasonable cost. Something that could actually help the environment in a tangible way. - 1 of 30 < \$300,000; high leverage %.	- Budget includes designated contract: \$20,000 for Willow Lake Farm - Budget includes capital expenditures over \$5,000: \$25,000 for custom planter for 30 inch strips	6.44	9,9,8,8,8,8,8,7,7,7,6,5,3,2,0	16	0		
85	166-F	Restoring our Metro Lands and Waters: MeCC IX	Great River Greening [Buck, Wiley]	\$509,000	Metro	- \$500,000 - Questionable and too expensive. - For \$500,000.	- Related open appropriations: ML 2013 - Metropolitan Conservation Corridors (MeCC) - Phase VII: Restoring Our Lands and Waters = \$208,000 (expires 06/30/16; ML 2014 - Upland and Shoreline Restoration in Greater Metropolitan Area = \$300,000 (expires 06/30/17); ML 2015 - Metro Conservation Corridors Phase VIII - Enhancing Restoration Techniques for Improved Climate Resilience and Pollinator Conservation = \$400,000 (expires 06/30/18)	6.13	9,8,8,8,7,7,7,7,6,6,6,5,5,3,0	16	0		
86	159-F	Controlling Reed Canary Grass to Regenerate Floodplain Forest	Audubon Minnesota [Schlagenhaft, Tim]	\$218,500	SE	- Full funding. - Expensive and not really valuable. - No planting needed. Full funding. - 1 of 30 < \$300,000	- Budget includes designated contract: \$97,700 for UMN graduate research assistant; \$54,000 for UW-La Crosse graduate research assistant	6.00	8,8,8,8,7,7,7,7,6,6,5,5,5,5,4,0	16	0		
87	165-F	Forest Management for Mississippi River Drinking Water Protection	Crow Wing Soil and Water Conservation District [Barrick, Melissa]	\$350,000	Central	- \$300,000 - \$300,000 - To diminish development pressure...\$300,000. - For \$300,000.	- Budget includes designated contract: \$200,000 for Todd, Morrison, and Cass SWCD's - but there is no breakdown of allocations per individual SWCD	5.88	9,8,7,7,7,7,7,7,6,6,5,5,5,5,3,0	16	0		
88	155-F	Bee Pollinator Habitat Enhancement - Phase 2	U of MN [Spivak, Marla]	\$387,085	Statewide	- Only local native seeds. - Provides some good information for pollinators and lawns. - Full funding. - Good to focus on actual flowers for habitat. - Would like to see this roll out statewide.	- Related open appropriations: ML 2014 - "Enhancing Pollinator Landscapes" = \$864,000 (expires 06/30/2019) - Pollinators	5.75	9,8,8,8,8,8,7,7,6,6,5,5,3,2,2,0	16	0		

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89	173-F	Restoring the City of Champlins Northern Gateway	City of Champlin [Tuominen, Todd]	\$2,000,000	Metro	- Bonding mentioned. Local support is huge here.	- Dollar amount being requested is unclear: cover page says \$2.0 million, activity budgets add up to \$9.63 million, and incomplete budget lists \$320,000. - Project time period is unclear: cover page says 2.5 years, main proposal says 1.5 years, and budget lists 2 years. - Proposal was not correctly filled out. - \$3.0 million proposal submitted to LSOHC for 2016. Inquiry made about relationship to this proposal and to provide clarity on budget - no response received.	5.33	9,9,9,9,8,7,7,6,6,1,0,0,0,0	15	1			
90	162-F	Measuring Prairie Fragment Connectivity: Pollen and Seed Dispersal	U of MN [Sullivan, Lauren]	\$556,000	NW	- \$300,000 - Fund at \$300,000...important to Minnesota Prairie Plan understanding. - I think it is too late to worry about this; fragmentation is complete and not reversible.	- Pollinators	5.31	7,7,7,7,7,6,6,5,5,5,4,4,3,0	16	0			
91	161-F	Prioritizing Walleye Spawning Habitat Restoration in Minnesota Lakes	U of MN [Herb, William]	\$288,205	Statewide	- 1 of 30 < \$300,000; with all the walley stocking and with the inability to control lakeshore aquatic plant control I'm not sure this is needed.	- Budget includes \$945 for conference attendance. - Fisheries	4.93	9,9,8,8,7,7,5,5,4,4,3,2,2,1,0	15	0			
92	168-F	Agricultural Runoff Water Quality Treatment Analysis - Phase II	Blue Earth County Drainage Authority [Austinson, Craig]	\$110,000	SW	- 1 of 30 < \$300,000	- Budget includes designated contract: \$195,000 for Chuck Brandel, ISG - Proposer reduced amount requested from \$295,010 to \$110,000.	4.50	9,9,9,8,7,7,6,5,5,3,2,1,1,0,0,0	16	0			
93	G. Land Acquisition for Habitat and Recreation (9 Proposals / \$25,005,141)													
94	178-G	Mesabi Trail Segment Highway 135 to Embarrass	St. Louis and Lake Counties Regional Railroad Author [Manzoline, Robert]	\$1,200,000	NE	- \$500,000 - Can we get a local match and save some cost? - Fund @ \$500,000.	- Related open appropriations: ML 2014 - Mesabi Trail Development - Soudan to Ely Segment = \$1,000,000 (expires 06/30/17); ML 2015 - Mesabi Trail Development Soudan to Ely - Phase II = \$1,000,000 (expires 06/30/18) - Dollar amount being requested is unclear: Activity budgets = \$1,530,000; cover page and budget = \$1,200,000. - Related ENRTF funding history not indicated in budget.	7.31	9,9,9,9,9,9,8,8,7,6,6,6,5,5,4	16	0			

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95	175-G	SNA Acquisition, Restoration, Enhancement & Public Engagement	MN DNR [Booth, Margaret (Peggy)]	\$9,248,141	Statewide	<ul style="list-style-type: none">- No direct and necessary expenses.- \$5,000,000- Acquisition only.- \$5,000,000- Way too much money and not necessary. SNA's should be paid by the DNR or Legacy funds.- \$5,000,000 for acquisition only.- Partial funding.- For \$5,000,000.- Include 179-G if they get property appraised.	<ul style="list-style-type: none">- Related open appropriations: ML 2014 - Scientific and Natural Area Acquisition, Restoration, Improvement and Citizen Engagement = \$2,540,000 (expires 06/30/17); ML 2015 - SNA Acquisition, Restoration, Enhancement and Public Engagement = \$4,000,000 (expires 06/30/18)- Budget includes \$321,626 for "Direct and Necessary Expenses", of which \$123,730 is for division and regional program management (to be revised).- Budget includes designated contract: \$535,500 for Conservation Corps MN- \$9.118 million proposal submitted to LSOHC for 2016 OHF for WMA & SNA acquisition. \$504,000 proposal for SNA acquisition.- SNA Restoration \$ proposed to LSOHC- Fee title- Proposer reduced amount requested from \$9,324,826 to \$9,248,141.	6.56	9,9,9,9,8,8,8,7,7,7,6,5,5,3,0	16	0		
96	174-G	State Parks and State Trails Land Acquisitions	MN DNR [Christie, Jennifer]	\$2,000,000	Statewide	<ul style="list-style-type: none">- No direct and necessary expenses.- \$1,500,000- \$1,500,000- Maybe cut this one down.- Fund at 50%.- Partial funding.- For \$1,500,000.	<ul style="list-style-type: none">- Related open appropriations: ML 2015 - State Parks and State Trails Land Acquisitions = \$1,500,000 (expires 06/30/18)- Fee title.	6.50	9,9,9,9,8,7,7,7,7,7,5,5,3,3,2	16	0		
97	177-G	Preserving the Avon Hills with Reverse-Bidding Easements	Saint Johns University [Kroll, Thomas]	\$1,307,000	Central	<ul style="list-style-type: none">- Full funding.- But, this should not need to cost over a million, so cut the cost.- Great project!	<ul style="list-style-type: none">- Related open appropriations: ML 2013 - Preserving the Avon Hills Landscape - Phase II = \$772,000 (expires 06/30/16)- Joint proposal with MN Land Trust: Saint Johns University request = \$44,000; MLT request = \$1,263,000- Request is to pay landowner a standard base payment of \$30,000 above their bid - reason for additional base payment is not clear. In previous years the number of bids received and dollars requested exceeded the dollars available (i.e., there was competitive demand).- Conservation Easements	6.44	9,9,9,9,8,8,8,8,7,6,5,4,4,4,3,2	16	0		

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98	182-G	Otter Tail River Protection and Recreation Trail Acquisition	City of Fergus Falls [Ron Spidah], Gordon Hydukovich]	\$500,000	Central	<ul style="list-style-type: none">- Parks and trails fund.- Connects the trail and incorporates some stormwater benefit.- Good opportunity to make this bare land available. Money match is good.- Too high: \$/acre- Need property parcel & separate appraisal.	<ul style="list-style-type: none">- Parks and Trails Fund grants? Local park grant.- Fee title.	5.19	9,9,9,8,8,8,7,7,4,3,1,0,0,0	16	0		
99	180-G	Wilder Forest Acquisition for Conservation, Preservation and Education	Minnesota Food Association [Otey Wold, Hilary]	\$6,320,000	Metro	<ul style="list-style-type: none">- \$0- \$500,000- Purchase 60 acres first.- This is to leverage to gain other funds... The process of developing a management plan should be a stipulation of the grant.- \$500,000- Too expensive; needs local match, if we do anything.- Partial funding.- Purchase 60 acres (\$480,000) for organic farming and preserve- Partial funding.- For \$500,000 to buy 60 acres of farmland.- Need 990. Need property mgr & maintenance plan.	<ul style="list-style-type: none">- Proposal activity budgets exceed the total dollars requested.- Request appears to be only for cost of fee title acquisition; however, section C indicates potential other expenses not clear if those are to be paid for from other funds or are intended as part of this request.- Dollars being requested are inconsistent: Cover page and budget indicate \$6,320,000 and activity budget indicates \$10,533,000.- ENRTF-funded conservation easement exists on part of property.- Fee title for a nonprofit	4.31	8,8,8,7,7,7,6,6,5,3,2,1,1,0,0,0	16	0		
100	183-G	Tower Historic Harbor Nature Trail/Kayak Route	City of Tower [Keith, Linda]	\$679,022	NE	<ul style="list-style-type: none">- ~ 25% engineering cost. Should be lower.- Can we get a match? A little expensive.- Parks and Trail Fund referral.	<ul style="list-style-type: none">- Parks and Trails Fund? Water Access grants? Local park grant?- - Proposer reduced amount requested from \$1,430,000 to \$679,022.	4.27	9,9,9,9,8,8,6,5,4,1,1,1,0,0,0	15	1		
101	181-G	Long-Term Drinking Water Supply Protection, Recreation, Habitat Plan	Lincoln Pipestone Rural Water System [Johnson, Mark]	\$2,500,000	SW	<ul style="list-style-type: none">- This is such a huge issue. If feel like other agencies - PCA, MDH...etc - should add some dollars to this project. Conflicts with LCCMR's mission.- A little expensive.- Wrong funding source.- The polluters should pay or refer to bonding as a statewide priority.- Great presentation. Bonding or Clean Water Fund?	<ul style="list-style-type: none">- Clean Water Fund? Wellhead protection.- Fee title.	4.25	9,9,9,8,8,7,7,6,5,4,3,1,0,0,0,0	16	0		

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102	179-G	Minnesota Point Pine Forest SNA Addition Project	Duluth Airport Authority [Werner, Tom]	\$500,000	NE	- Airport funding. - Owned by the Land Trust, protected. So how does this fit into the LCCMR project? - Just trim the tops of the trees in the way of airplanes. Quite expensive. - Need other sources. - Need appraisal. Should be part of DNR SNA project.	- Proposal is for one government unit purchasing from another government unit. - Parcel also appears in SNA proposal parcel list and could be funded under that proposal. - Fee title	3.31	9,8,8,8,5,5,5,4,4,4,1,0,0,0,0,0	16	0		
103	H. Other (2 Proposals / \$270,250)												
104	185-H	Contract Agreement Reimbursement	MN DNR [Graeber, Amanda]	\$135,000	Statewide	- No direct and necessary expenses. - Full funding. - Full funding.	- Related open appropriations: ML 2014 - Contract Agreement Reimbursement = \$135,000 (expires 06/30/16); ML 2015 - Contract Agreement Reimbursement = \$135,000 (Expires 06/30/17) - For assigned duties as fiscal agent for contracts non-state entity appropriations. - LCCMR staff did not evaluate.	7.67	9,9,9,9,9,8,8,8,8,7,7,5,5,4	15	0		
105	186-H	Roseau Lake Watershed: Targeted Water Quality Improvement	MN DNR [Henry, Van Offelen]	\$135,250	NW	- This project concerns me...it is clean water funds dollars. - Wrong funding source. - Seems like this should be done with LSOHC \$.	- LCCMR staff did not evaluate. - Received after deadline on 8/1/15 due to provision allowing late submission passed by 2015 Legislature.	3.50	9,8,8,8,7,7,6,4,3,2,1,1,0,0,0,0	16	0		
106	TOTAL \$ REQUEST REMAINING =			\$69,246,182									

2016 Allocations - Scoring Break Points

Option	# of Proposals	Running Total # of Proposals	\$ Amount	Running Total \$ Amount
7 and above	13	13	\$5,326,670	\$5,326,670
6.5 and above	20	33	\$23,395,207	\$28,721,877
6 and above	19	52	\$8,215,442	\$36,937,319
5.5 and Above	11	63	\$5,059,346	\$41,996,665
5.0 and Above	6	69	\$4,108,652	\$46,105,317
4.5 and Above	13	82	\$6,913,025	\$53,018,342
9 or more votes of 6 and above	0	82	\$0	\$53,018,342
8 or more votes of 6 and above	2	84	\$8,820,000	\$61,838,342
9 or more votes of 5 and above.	1	85	\$643,088	\$62,481,430
8 or more votes of 5 and above	1	86	\$679,022	\$63,160,452
TOTAL	86		\$63,160,452	

Denny McNamara
 State Representative
 District 54B
 Dakota and Washington Counties



Minnesota House of Representatives

COMMITTEES:

CHAIR, ENVIRONMENT AND NATURAL RESOURCES POLICY AND FINANCE
 MINING AND OUTDOOR RECREATION POLICY
 TRANSPORTATION POLICY AND FINANCE
 WAYS AND MEANS

October 20, 2015

LCCMR Members
 100 Rev. Dr. Martin Luther King Jr. Blvd.
 State Office Building, Room 65
 St. Paul, MN 55155

Members,

I would like to bring your attention to a troubling situation I witnessed earlier today. I noticed Legislative-Citizen Commission on Minnesota Resources (LCCMR) Co-Chair John Persell hosting a meeting of the LCCMR executive committee in his office behind closed doors Tuesday morning. Rep. Persell was joined by two executive committee members, Sen. David Tomassoni and Nancy Gibson, a citizen member appointed by Governor Mark Dayton, constituting a quorum. In addition, LCCMR Director Susan Thornton and Assistant Director Mike Banker were present at the meeting.

As a subcommittee of the full LCCMR, the executive committee is subject to open meeting laws and must be open to the public. Furthermore, our the Procedures of the LCCMR state "if there is one citizen member, one house member and one senate member present at an executive committee meeting this will constitute a quorum." After consulting with other members, I am unaware of any public notice for this meeting despite that historically having been the practice for meetings of this type. The current LCCMR staff and procedures have been in place for several years and the public was notified of past executive committee meetings. It remains unclear why the meeting hosted by Rep. Persell Tuesday was not publicly noticed.

Before taking any further action, I wanted to offer Rep. Persell an opportunity to explain his actions to commission members and the public. Minnesota Statute 3.055 and House Rule 6.23 state that violations of each body's open meeting rules are to be made known to the Speaker of the House and the chair of the Senate Rules Committee, respectively.

The work we do as members of the LCCMR on behalf of Minnesota taxpayers is critical. We are responsible for making recommendations to the legislature about \$46 million worth of projects intended to protect and enhance Minnesota's environment and natural resources. With their tax dollars at stake, Minnesotans rightfully expect oversight and transparency.

Thank you for your service on this commission and for your attention to this serious matter.

Sincerely,

Denny McNamara
 District 54B – Representative