

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

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Susan Thornton, Director

MINUTES

Tuesday, July 12, 2016

9:00 a.m. – 5:00 p.m.

Minnesota Senate Building, Room 1100

95 University Avenue West

St. Paul, MN 55155

Members Present: Jeff Broberg, Sen. Gary Dahms, Sen. Kari Dziedzic, William Faber, Nancy Gibson, Sen. John Hoffman, Gary Lamma, 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. Banker, M. McDonough, M. Varien, D. Griffith

Members Absent: Rep. Tom Hackbarth, Bonnie Harper-Lore

Co-Chair: Rep. John Persell

1. Approve the minutes for June 27, 28, and 29, 2016

Co-Chair Persell started the meeting at 9:15 a.m.

MOTION [00:01:04]: Commissioner Dahms moved to approve the minutes for June 27, 2016 – motion prevailed.

MOTION [00:01:38]: Commissioner Gibson moved to approve the minutes for June 28 and 29, 2016 – 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.

Members reported no new conflicts of interest for today's meeting.

Susan Thornton reminded members that previous conflict of interest statements given in previous meetings are attached. (See Attachment #1).

3. Approval of M.L. 2015, Chp. 76, Sec. 2, Subd. 10, "Avian Influenza distribution, evolution, and impacts on Ring-billed and Herring Gulls in Minnesota", U of MN, Marie Culhane, \$213,443 – Consent Agenda

Susan Thornton gave an overview of the Emerging Issues work plan titled "Avian Influenza distribution, evolution, and impacts on Ring-billed and Herring Gulls in Minnesota".

Jeff Broberg, Sen. Gary Dahms, Sen. Kari Dziedzic, William Faber, Nancy Gibson, Rep. Tom Hackbarth, Bonnie Harper-Lore, Sen. John Hoffman, Gary Lamma, 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

MOTION [00:05:01]: Commissioner Gibson moved to approve M.L. 2015, Chp. 76, Sec. 2, Subd. 10, "Avian Influenza distribution, evolution, and impacts on Ring-billed and Herring Gulls in Minnesota", U of MN, Marie Culhane, \$213,443 – motion prevailed.

4. **Proposal Allocation Recommendations for the Environment and Natural Resources Trust Fund for FY18 (July 1, 2017)**

Susan Thornton reviewed the additional information provided by proposers of the ML 2017 Environment and Natural Resources Trust Fund Request for Proposals (RFP). Staff handed out additional information received late in the day on July 11, 2016, regarding ENRTF ID: 005-A "Enhancing Targeted and Measureable Watershed Restoration and Protection", Board of Water and Soil Resources, Doug Thomas, \$2,802,000 and ENRTF ID: 191-J "Real Wildlife, Real Conservation, Real Impact", Wildlife Science Center, Peggy Callahan, \$488,128. (Attachment #2)

Susan Thornton handed out and reviewed the following materials:

1. Blue sheet titled "2017 Environment and Natural Resources Trust Fund Proposals Cumulative Average of Member Rankings – Listed by Category Rank – High to Low" (Attachment #3)
2. White sheet titled "2017 Environment and Natural Resources Trust Fund Proposals Cumulative Average of Member Rankings – Listed by Category Rank – High to Low" (Attachment #4)
3. Yellow sheet titled "2017 Environment and Natural Resources Trust Fund Proposals Cumulative Average of Member Rankings – Listed by Overall Rank – High to Low" (Attachment #5)
4. A sheet titled "Dollars Available from the Environment and Natural Resources Trust Fund Total \$'s Available for FY18-19 Recommendations: up to \$101,656,000" (\$50,828,000 each year). (Attachment # 6)
5. A sheet titled "2016 Allocations – Scoring Break Points" (Attachment #7)

Members continued discussions on the process. Members asked for a recess to discuss the materials handed out.

Members recessed at 10:05 a.m. and reconvened at 10:50 a.m.

MOTION [00:40:18]: Commissioner Hoffman moved all proposals on the blue spreadsheet titled "2017 Environment and Natural Resources Trust Fund Proposals Cumulative Average of Member Rankings – Listed by Category Rank – High to Low" that are ranked a 5 or above to be on the list for consideration at a zero dollar amount.

Mike Banker explained that there is approximately \$103,000,000 in proposals and approximately \$59,000,000 available from the Environment and Natural Resources Trust Fund. Mr. Banker reminded members a motion is needed to round the dollars down to the nearest thousandths.

Commissioner Gibson asked Commissioner Hoffman's if he would accept changing his motion to have all proposals on the blue spreadsheet titled "2017 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 at a zero dollar amount. Commissioner Hoffman did not accept Commissioner Gibson's amendment.

Mike Banker reviewed the dollars on the sheet titled "2016 Allocations – Scoring Break Points" for 2017 proposals ranked 5, 5.5, and 6.

RENEWED MOTION: Commissioner Hoffman moved all proposals on the blue spreadsheet titled "2017 Environment and Natural Resources trust Fund Proposals Cumulative Average of Member Rankings – Listed by Category Rank – High to Low" that are ranked a 5 or above to be on the list for consideration at a zero dollar amounts – motion prevailed.

Commissioner McNamara asked for a half hour recess.

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

Susan Thornton reminded members in previous years they have selected to move a certain amount of proposals at a certain ranking be put on the list for consideration and then randomly selected the proposal categories to begin discussions of the remaining proposals under the selected ranking for that year.

Commissioner Gibson explained at the last allocations members agreed they would randomly draw proposed categories as the starting point for discussions of the proposals.

Susan Thornton discussed the administration budget for Legislative-Citizen Commission on Minnesota Resources (LCCMR) and asked for a placeholder of \$1,200,000 for the (FY19-20 biennium). Budget instructions have not yet been received. Ms. Thornton said she will be coming back to the Executive Committee in the fall with a detailed budget recommendation.

MOTION [00:54:34]: Commissioner Gibson moved the Legislative-Citizen Commission on Minnesota Resources (LCCMR) administration budget for the next biennium (FY19-20) at \$1,200,000 –

Members discussed the LCCMR administration budget. Commissioner McNamara asked staff for a history of the last 10 years and comparison of administration budgets with the Lessard-Sams Outdoor Heritage Council (LSOHC). Members discussed that the current LSOHC budget is higher than LCCMR and the LCCMR has expenses for 17 members compared with LSOHC 12 members.

RENEWED MOTION: Commissioner Gibson renewed her motion to move the Legislative-Citizen Commission on Minnesota Resources (LCCMR) administration budget as a place holder for the next biennium (FY19-20) at \$1,200,000 – motion prevailed.

MOTION [01:59:55]: Commissioner Broberg moved Line 96, ENRTF ID: 181-H “Contract Agreement Reimbursement”, MN DNR, Katherine Sherman-Hoehn at 135,000 –motion prevailed.

MOTION [01:01:40]: Commissioner Faber moved the 2017 ENRTF proposal dollars be rounded down to the nearest one-thousandths dollar – motion prevailed.

Commissioner Torkelson said he did not score anything in Category I “2016 LCCMR Recommendations Removed from ML2016 Bill” and would like to have a discussion about Category I “2016 LCCMR Recommendations Removed from ML2016 Bill”. Commissioner Dahms also said he did not score anything in Category I “2016 LCCMR Recommendations Removed from ML2016 Bill”. Commissioner Wagenius asked staff to recalculate Category I “2016 LCCMR Recommendations Removed from ML2016 Bill” with the additions of “0” for a score for Commissioner Torkelson and Commissioner Dahms.

Susan Thornton explained on the blue spreadsheet titled “2017 Environment and Natural Resources trust Fund Proposals Cumulative Average of Member Rankings – Listed by Category Rank – High to Low” the MN DNR asked for Line 103, ENRTF ID: 190-I “State Parks and Trails Land Acquisition”, MN DNR, Jennifer Christie, \$2,445,000 be removed from discussions because DNR declined to resubmit the vetoed project and it was a staff error that it was on the spreadsheet. DNR also has a proposal submitted for FY18 funding on Line 88, ENRTF ID:171-G “Minnesota State Parks and State Trails Land Acquisition, MN DNR, Jennifer Christie at \$1,500,000.

Commissioner Gibson reminded members in a previous meeting members agreed that discussions should include the 2016 proposals if the proposer chose to be reconsidered that were a part of the LCCMR recommendations that were deleted during the 2016 Legislative Session.

Members requested to have new scores for all the proposals in Category I “2016 LCCMR Recommendations Removed from ML2016 Bill” for equal comparison with the other proposals.

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

Mike Banker gave members the new scores for the following proposals on the blue spreadsheet titled "2017 Environment and Natural Resources trust Fund Proposals Cumulative Average of Member Rankings – Listed by Category Rank – High to Low":

1. Line 98, ENRTF ID: 182-I "Minnesota Vegetative Buffer Assessment and Prioritization to Protect Water Quality, U of MN, David Mulla, \$170,000 – in the column "Average Score – Members that Scored" to replace 6.50 with 5.69
2. Line 99, ENRTF ID: 187-I "Solar Cell Manufacturing Research", U of MN, Tianhong Cui, \$388,000 – in the column "Average Score – Members that Scored" to replace 6.43 with 5.63
3. Line 100, ENRTF ID: 189-I "Geotargeted Distributed Clean Energy Initiative", Center for Energy and Environment, Carl Nelson, \$800,000 – in the column "Average Score – Members that Scored" to replace 6.43 with 5.64
4. Line 101, ENRTF ID: 183-I "Techniques for Water Storage Estimates in Central Minnesota", U of MN, John Nieber, \$250,000 – in the column "Average Score – Members that Scored" to replace 6.40 with 5.65
5. Line 102, ENRTF ID: 188-I "High-Resolution Climate Projections to Aid Local Planning and Implementation Efforts", U of MN, Peter Snyder, \$411,000 – in the column "Average Score – Members that Scored" to replace 6.33 with 5.59
6. Line 104, ENRTF ID: 184-I "Assessing Climate Change Effects on Release of Mercury and Sulfur into Aquatic Ecosystems", U of MN, Ed Nater, \$300,000 – in the column "Average Score – Members that Scored" to replace 5.73 with 5.06
7. Line 105, ENRTF ID: 185-I "Workshops and Outreach for Nontoxic Ammunition Alternatives", U of MN, Julia Ponder, \$133,000 – in the column "Average Score – Members that Scored" to replace 5.67 with 5.00
8. Line 106, ENRTF ID: 186-I "Analysis of Thermally Modified Wood Nesting Boxes for Birds", U of MN – NRRI, Ryan Hueffmeier, \$117,000 – in the column "Average Score – Members that Scored" to replace 4.73 with 4.18

MOTION [01:23:58]: Commissioner Faber moved to remove on the blue spreadsheet titled "2017 Environment and Natural Resources Trust Fund Proposals Cumulative Average of Member Rankings – Listed by Category Rank – High to Low" Line 99, ENRTF ID: 187-I "Solar Cell Manufacturing Research", U of MN, Tianhong Cui, \$388,000 because they are duplicates – motion prevailed.

All motions will refer to the blue spreadsheet titled "2017 Environment and Natural Resources Trust Fund Proposals Cumulative Average of Member Rankings – Listed by Category Rank – High to Low". Members began discussing for consideration all proposals with an average ranking of 5 or below for consideration.

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 I "2016 LCCMR Recommendations Removed from ML 2016 Bill"
4. Category A "Foundational Natural Resource Data and Information"

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

5. Category D "Aquatic and Terrestrial Invasive Species"
6. Category K "Proposals Received in Response to Extended Deadline of 6/26/2016"
7. Category E "Air Quality, Climate Change, and Renewable Energy"
8. Category J "Governor Vetoed Appropriations"
9. Category B "Water Resources"
10. Category G "Land Acquisition for Habitat and Recreation"

Commissioner McNamara asked members if they had seen any of the spreadsheets handed out today before today's meeting. Members said they did not see any spreadsheets handed out today before today's meeting. Commissioner Young said she did not get her scores in until Friday morning and she guessed some of the other members were also late. Members discussed it has been procedure to hand out the spreadsheets at the meeting and not earlier.

Members started reviewing proposals in Category C. "Environmental Education"

Commissioner Gibson would like to consider Line 46, ENRTF ID: 081-C "Youth Convening Minnesota", Climate Generation: A Will Steger Legacy, Kristen Poppleton

Commissioner Broberg would like to consider Line 45, ENRTF ID: 083-C "Minnesota Water Stories Told in Digital Planetariums", U of MN – Bell Museum of Natural History, George Weiblen

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

Commissioner Dahms would like to consider Line 84, ENRTF ID: 162-F "Precision Conservation and Agriculture: Growing Green2 Together", Pheasants Forever, Tanner Bruse

Commissioner Broberg would like to consider Line 83, ENRTF ID: 156-F "Prioritizing Shoreline Habitat Restoration in Minnesota Lakes", U of MN – St. Anthony Falls Laboratory, William Herb

Commissioner Dziedzic would like to consider Line 86, ENRTF ID: 167-F "Mississippi River Habitat Restoration at Halls Island", Minneapolis Park and Recreation Board, Adam Arvidson

Members started reviewing proposals in Category I "2016 LCCMR Recommendations Removed from ML 2016 Bill"

Commissioner Faber would like to consider – Line 106, ENRTF ID: 186-I "Analysis of Thermally Modified Wood Nesting Boxes for Birds", U of MN – NRRI, Ryan Hueffmeier

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

Commissioner Torkelson would like to consider Line 15, ENRTF ID: 011-A "Drainage Records Modernization – Phase II, Cost Share", Board of Water and Soil Resources, Timothy Gillette and Line 17, ENRTF ID: 005-A "Enhancing Targeted and Measureable Watershed Restoration and Protection, Board of Water and Soil Resources, Doug Thomas

Commissioner Broberg would like to consider Line 14, ENRTF ID: 013-A "Landslide Hazards and Impacts on Minnesota's Natural Environment", U of MN, Karen Gran

Commissioner Moody would like to consider Line 16, ENRTF ID: 020-A "Lowland Conifer Ecosystems: Holistic Assessment for Adaptive Management", U of MN, Marcella Windmuller-Campione

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

Members started reviewing proposals in Category D "Aquatic and Terrestrial Invasive Species"

Members added no additional proposals for consideration.

Members started reviewing proposals in Category K "Proposals Received in Response to Extended Deadline of 6/26/2016"

Commissioner Hoffman would like to consider Line 110, ENRTF ID: 192-K "Voyageurs National Park Crane Lake Visitor Center Partnership", Town of Crane Lake, Jim Janssen

Commissioner McNamara would like to consider Line 111, ENRTF ID: 196-K "CREP Implementation Phase 1", Board of Water and Soil Resources, Tabor Hoek

Commissioner Westrom would like to consider Line 112, ENRTF ID: 193-K "Organic Weed Control Using Solar-Powered Robots", U of MN – Morris, Michael Reese

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

Commissioner Young would like to consider Line 68, ENRTF ID: 150-E "District Heating with Renewable Biomass at Camp Ripley", Department of Military Affairs, Josh Pennington

Commissioner Moody would like to consider Line 69, ENRTF ID: 147-E "Generation, Storage, and Utilization of Solar Energy", U of MN, Bradley Heins

Members started reviewing proposals in Category J "Governor Vetoes Appropriations"

Members added no additional proposals for consideration.

Commissioner McNamara asked about projects that were vetoed in the ML2016, Chp. 186 and not under consideration for ML2017 and if it would be in order to add any of them. Commissioner Broberg said they were invited and declined to submit a proposal so having no detailed information available for review, it would not be in order. Any projects not listed on the blue sheet should not be allowed to be added and any of those projects that were vetoed in the ML2016, Chp. 186 may apply in 2017 for the 2018 ENRTF Request for Proposal that will be out around January of 2017. Members concurred.

Members started reviewing proposals in Category B "Water Resources"

Commissioner Gibson would like to consider Line 26, ENRTF ID: 038-B "Removing Plastic Particle Pollution from Minnesota Water Bodies", U of MN, Filippo Coletti

Commissioner Della would like to consider Line 28, ENRTF ID: 055-B "Maximizing the Benefits of Water Reuse", U of MN, Satoshi Ishii

Commissioner Denny would like to consider Line 35, ENRTF ID: 045-B "Buffer Gap Analysis", Board of Water and Soil Resources, Eric Mohring

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

Commissioner Hoffman would like to consider Line 94, ENRTF ID: 180-G "Tower Trailhead Boat Landing and Habitat Improvement", City of Tower, Linda Keith

Members recessed at 12:00 p.m. and reconvened at 1:15 p.m.

5. **Continue Proposal Allocation Recommendations for the Environment and Natural Resources Trust Fund for FY18 (July 1, 2017)**

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

Members returned to reviewing proposals in Category C. "Environmental Education" and began allocating dollars to proposals

MOTION [02:11:54]: Commissioner Gibson moved Line 39, ENRTF ID: 079-C "Floating Classroom: Connecting 20,000 Youth to Minnesota Waterways", Wilderness Inquiry, Greg Lais at \$1,200,000 – motion prevailed.

MOTION [02:13:51]: Commissioner Gibson moved Line 40, ENRTF ID: 100-C "Developing Watershed Stewardship in NW Minnesota Youth", Headwaters Science Center, Joy Susan at \$71,000.

Co-Chair Persell requested that the dollar amount be reconsidered later in the process as a possibility of adding dollars to it.

RENEWED MOTION: Commissioner Gibson renewed her motion to move Line 40, ENRTF ID: 100-C "Developing Watershed Stewardship in NW Minnesota Youth", Headwaters Science Center, Joy Susan at \$71,000 - motion prevailed.

MOTION [02:18:00]: Commissioner McNamara moved Line 41, ENRTF ID: 082-C "Increasing Diversity in Environmental Careers: Fellowships, Internships, Mentorships", MN DNR, Vikki Getchell at \$2,000,000.

AMENDMENT: Commissioner Moody moved to amend Commissioner McNamara's motion to move Line 41, ENRTF ID: 082-C "Increasing Diversity in Environmental Careers: Fellowships, Internships, Mentorships", MN DNR, Vikki Getchell at \$1,487,000.

Commissioner McNamara requested a roll call. Commissioner McNamara withdrew his motion.

RENEWED MOTION [02:21:34]: Commissioner McNamara renewed his motion to move Line 41, ENRTF ID: 082-C "Increasing Diversity in Environmental Careers: Fellowships, Internships, Mentorships", MN DNR, Vikki Getchell at \$1,487,000 – motion prevailed.

MOTION [02:22:00]: Commissioner Gibson moved Line 42, ENRTF ID: 092-C "Bird City – Education for Lasting Conservation", Audubon Minnesota, Joanna Eckles at \$280,000 – motion prevailed.

MOTION [02:22:55]: Commissioner Faber moved Line 43, ENRTF ID: 101-C "Providing Residential Environmental learning Experiences to Under-Served Students", Audubon Center of the North Woods, Bryan Wood at \$130,000 and needs to serve schools/students not already being served by other environmental learning centers – motion prevailed. Commissioner Young abstained from voting due to previous declared conflict of interest.

MOTION [02:24:13]: Commissioner Faber moved Line 44, ENRTF ID: 084-C "Bridging Classroom and Outdoor Learning by Studying Birds", U of MN, Julia Ponder at \$270,000 – motion prevailed.

MOTION [02:24:53]: Commissioner Broberg moved Line 45, ENRTF ID: 083-C "Minnesota Water Stories Told in Digital Planetariums", U of MN – Bell Museum of Natural History, George Weiblen at \$500,000 – motion prevailed.

MOTION [02:27:17]: Commissioner Gibson moved Line 46, ENRTF ID: 081-C "Youth Convening Minnesota", Climate Generation: A Will Steger Legacy, Kristen Poppleton at \$300,000 – motion prevailed.

Members returned to reviewing proposals in Category F "Methods to Protect, Restore, & Enhance Land, Water, & Habitat" and began allocating dollars to proposals

MOTION [02:28:36]: Commissioner Broberg moved Line 75, ENRTF ID: 155-F "State Parks for Monarchs and Other Native Pollinators", MN DNR, Edward Quinn at \$400,000. Members discussed.

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

RENEWED MOTION: Commissioner Broberg renewed his motion to move Line 75, ENRTF ID: 155-F "State Parks for Monarchs and Other Native Pollinators", MN DNR, Edward Quinn at \$672,000 – motion prevailed.

MOTION [02:30:39]: Commissioner Faber moved Line 76, ENRTF ID: 157-F "Roadside Prairie Prescribed Fire", Minnesota Department of Transportation, Ken Graeve at \$345,000 – motion prevailed.

MOTION [02:31:24]: Commissioner Faber moved Line 77, ENRTF ID: 153-F "Promoting Conservation Biocontrol of Beneficial Insects", U of MN, Vera Krischik at \$400,000 – motion prevailed.

MOTION [02:32:42]: Commissioner Hoffman moved Line 78, ENRTF ID: 158-F "MN Honey Bee and Monarch Butterfly Partnership", Pheasants Forever, Matt Holland at \$732,000 – motion prevailed.

MOTION [02:33:36]: Commissioner Hoffman moved Line 79, ENRTF ID: 160-F "Restoring 83-acres of Prairie, Savanna and Forest Habitat", Friends of the Mississippi River, Tom Lewanski at \$213,000 – motion prevailed. Commissioner Young abstained from voting due to previous declared conflict of interest.

MOTION [02:33:59]: Commissioner Dahms moved Line 80, ENRTF ID: 154-F "Restoring and Preserving Savanna Using Bison", Cedar Creek Ecosystem Science Reserve U of MN, David Tilman at \$388,000 and members want to evaluate effects of using cattle as compared to bison. Fencing cost should be funded from another source and if not possible, the cost should be kept as low as possible – motion prevailed.

MOTION [02:39:10]: Commissioner Wagenius moved Line 81, ENRTF ID: 152-F "Optimizing the Nutrition of Roadside Plants for Pollinators", U of MN, Emilie Snell-Rood at \$815,000 – motion prevailed.

MOTION [02:40:30]: Commissioner Gibson moved Line 82, ENRTF ID: 161-F "Restoring Our Metro Lands and Waters: MeCC 10", Great River Greening, Wiley Buck at \$524,000 – motion prevailed.

MOTION [02:41:30]: Commissioner McNamara moved to consider category I "2016 LCCMR Recommendations Removed from ML 2016 Bill" to continue allocating dollars for 2017 proposals that are ranked five and above and then go back through and discuss the remaining proposals that were ranked below five.

Commissioner Westrom stated he did not vote for Category I "2016 LCCMR Recommendations Removed from ML 2016 Bill" and members continued discussion.

RENEWED MOTION: Commissioner McNamara renewed his motion to consider category I "2016 LCCMR Recommendations Removed from ML 2016 Bill" to continue allocating dollars for 2017 proposals that are ranked five and above and then go back through and discuss the remaining proposals that were ranked below five – motion withdrawn after member discussions.

MOTION [02:46:46]: Commissioner Faber moved Line 83, ENRTF ID: 156-F "Prioritizing Shoreline Habitat Restoration in Minnesota Lakes", U of MN – St Anthony Falls Laboratory, William Herb at \$294,000 – motion prevailed.

MOTION [02:50:21]: Commissioner Dahms moved Line 84, ENRTF ID: 162-F "Precision Conservation and Agriculture: Growing Green2 Together", Pheasants Forever, Tanner Bruse at \$508,000.

Commissioner Wagenius requested that Pheasants Forever be requested to follow the Board of Water and Soil Resources' Native Vegetation Establishment and Enhancement Guidelines'.

AMENDMENT: Commissioner Moody moved to amend Commissioner Dahms' motion to move Line 84, ENRTF ID: 162-F "Precision Conservation and Agriculture: Growing Green2 Together", Pheasants Forever, Tanner Bruse at \$250,000. Commissioner Dahms did not accept.

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

RENEWED AMENDMENT: Commissioner Moody renewed his amendment to Commissioner Dahms motion to move Line 84, ENRTF ID: 162-F "Precision Conservation and Agriculture: Growing Green2 Together", Pheasants Forever, Tanner Bruse at \$300,000. Commissioner Dahms accepted.

RENEWED MOTION: Commissioner Dahms renewed his motion as amended to move Line 84, ENRTF ID: 162-F "Precision Conservation and Agriculture: Growing Green2 Together", Pheasants Forever, Tanner Bruse at \$300,000 – motion prevailed.

MOTION [02:58:28]: Commissioner Moody moved Line 85, ENRTF ID: 164-F "Identifying Optimal Soil Conditions for Sustainable Forest Management", U of MN, Robert Slesak at \$200,000. Members discussed. Commissioner Moody tabled his motion for further discussion.

MOTION [03:02:14]: Commissioner Dziedzic moved Line 86, ENRTF 167-F "Mississippi River Habitat Restoration at Halls Island", Minneapolis Park and Recreation Board, Adam Arvidson at \$25,000 for Activity 1 and efforts must be coordinated with the Department of Natural Resources and U.S. Army Corps of Engineers to ensure potential implementation is feasible – motion prevailed.

MOTION [03:05:05]: Commissioner Westrom moved to skip over Category I "2016 LCCMR Recommendations Removed from ML 2016 Bill" and move on to Category A "Foundational Natural Resource Data and Information" then return to Category I "2016 LCCMR Recommendations Removed from ML 2016 Bill" at the end of categories – motion did not prevail. Members called division (6 yes / 8 no).

Members returned to reviewing proposals in Category I "2016 LCCMR Recommendations Removed from ML 2016 Bill" and began allocating dollars to proposals

MOTION [03:15:44]: Commissioner Torkelson moved Line 98, ENRTF ID: 182-I "Minnesota Vegetative Buffer Assessment and Prioritization to Protect Water Quality", U of MN, David Mulla at \$0.

AMENDMENT: Commissioner Wagenius moved to amend Commissioner Dahms' motion to move Line 98, ENRTF ID: 182-I "Minnesota Vegetative Buffer Assessment and Prioritization to Protect Water Quality", U of MN, David Mulla at \$170,000 – motion did not prevail.

RENEWED MOTION: Commissioner Torkelson renewed his motion to move Line 98, ENRTF ID: 182-I "Minnesota Vegetative Buffer Assessment and Prioritization to Protect Water Quality", U of MN, David Mulla at \$0 – motion prevailed.

MOTION [03:20:38]: Commissioner Hoffman moved Line 100, ENRTF ID: 189-I "Geotargeted Distributed Clean Energy Initiative", Center for Energy and Environment, Carl Nelson at \$800,000 and contingent on a \$200,000 match of an equal or greater amount of nonstate money.

AMENDMENT: Commissioner McNamara moved to amend Commissioner Hoffman's motion to move Line 100, ENRTF ID: 189-I "Geotargeted Distributed Clean Energy Initiative", Center for Energy and Environment, Carl Nelson at Line 100 at \$0. Commissioner McNamara requested a roll call. Motion did not prevail (2 Yes / 12 No).

| Member | Y | N | Member | Y | N |
|-----------------------|---|---|------------------------|-----|-----|
| Commissioner Broberg | | X | Commissioner McNamara | X | |
| Commissioner Dahms | | X | Commissioner Moody | | X |
| Commissioner Dziedzic | | X | Commissioner Persell | | X |
| Commissioner Faber | | X | Commissioner Tomassoni | --- | --- |

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

| | | | | | |
|--------------------------|-----|-----|------------------------|---|---|
| Commissioner Gibson | | X | Commissioner Torkelson | X | |
| Commissioner Hackbarth | --- | --- | Commissioner Wagenius | | X |
| Commissioner Harper-Lore | --- | --- | Commissioner Westrom | | X |
| Commissioner Hoffman | | X | Commissioner Young | | X |
| Commissioner Lamppa | | X | | | |

AMENDMENT: Commissioner Westrom moved to amend Commissioner Hoffman's motion to move Line 100, ENRTF ID: 189-I "Geotargeted Distributed Clean Energy Initiative", Center for Energy and Environment, Carl Nelson at Line 100 at \$400,000.

Commissioner Dahm suggested to move Line 100, ENRTF ID: 189-I "Geotargeted Distributed Clean Energy Initiative", Center for Energy and Environment, Carl Nelson at Line 100 at \$600,000.
Commissioner Westrom accepted.

RENEWED AMENDMENT: Commissioner Westrom renewed his amendment to Commissioner Hoffman's motion to move Line 100, ENRTF ID: 189-I "Geotargeted Distributed Clean Energy Initiative", Center for Energy and Environment, Carl Nelson at \$600,000 and contingent on a \$200,000 match of an equal or greater amount of nonstate money – amendment withdrawn.

RENEWED MOTION: Commissioner Hoffman renewed his motion to move Line 100, ENRTF ID: 189-I "Geotargeted Distributed Clean Energy Initiative", Center for Energy and Environment, Carl Nelson at \$800,000 and have potential review at the end of the day – motion prevailed.

MOTION [03:30:30]: Commissioner Broberg moved Line 101, ENRTF ID: 183-I "Providing Residential Environmental Learning Experiences to Under-Served Students", Audubon Center of the North Woods, Bryan Wood at \$250,000 and contingent on serving students that are not currently served through other residential environmental education learning centers.

AMENDMENT: Commissioner Hoffman moved to amend Commissioner Broberg's motion to move Line 101, ENRTF ID: 183-I "Providing Residential Environmental Learning Experiences to Under-Served Students", Audubon Center of the North Woods, Bryan Wood at \$0 – did not prevail

RENEWED MOTION: Commissioner Broberg renewed his motion to move Line 101, ENRTF ID: 183-I "Providing Residential Environmental Learning Experiences to Under-Served Students", Audubon Center of the North Woods, Bryan Wood at \$250,000 and contingent on serving students that are not currently served through other residential environmental education learning centers – motion prevailed.

MOTION [03:32:13]: Commissioner Wagenius moved Line 102, ENRTF ID: 188-I "High-Resolution Climate Projections to Aid Local Planning and Implementation Efforts, U of MN Peter Snyder at \$411,000.

AMENDMENT – Commissioner Westrom moved to amend Commissioner Wagenius' motion to move Line 102, ENRTF ID: 188-I "High-Resolution Climate Projections to Aid Local Planning and Implementation Efforts, U of MN Peter Snyder at \$0. Commissioner Westrom requested a roll call. – motion did not prevail (5 Yes / 9 No).

| Member | Y | N | Member | Y | N |
|----------------------|---|---|-----------------------|---|---|
| Commissioner Broberg | | X | Commissioner McNamara | X | |
| Commissioner Dahms | X | | Commissioner Moody | | X |

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

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|--------------------------|-----|-----|------------------------|-----|-----|
| Commissioner Dziedzic | | X | Commissioner Persell | | X |
| Commissioner Faber | | X | Commissioner Tomassoni | --- | --- |
| Commissioner Gibson | | X | Commissioner Torkelson | X | |
| Commissioner Hackbarth | --- | --- | Commissioner Wagenius | | X |
| Commissioner Harper-Lore | --- | --- | Commissioner Westrom | X | |
| Commissioner Hoffman | X | | Commissioner Young | | X |
| Commissioner Lamppa | | X | | | |

RENEWED MOTION: Commissioner Wagenius renewed her motion to move Line 102, ENRTF ID: 188-I "High-Resolution Climate Projections to Aid Local Planning and Implementation Efforts, U of MN Peter Snyder at \$411,000 – motion prevailed.

MOTION [03:44:58]: Commissioner Moody moved Line 104, ENRTF ID: 184-I "Assessing Climate Change Effects on Release of Mercury and Sulfur into Aquatic Ecosystems", U of MN, Ed Nater at \$300,000 – motion prevailed.

MOTION [03:46:06]: Commissioner Faber moved Line 105, ENRTF ID: 185-I "Workshops and Outreach for Nontoxic Ammunition Alternatives", U of MN, Julia Ponder at \$133,000 – motion prevailed.

MOTION [03:48:47]: Commissioner Moody moved Line 106, ENRTF ID: 186-I "Analysis of Thermally Modified Wood Nesting Boxes for Birds", U of MN – NRRI, Ryan Hueffmeier at \$100,000 – motion prevailed.

Members returned to reviewing proposals in Category A "Foundational Natural Resource Data and Information" and began allocating dollars to proposals

MOTION [03:51:52]: Commissioner Gibson moved Line 2, ENRTF ID: 001-A "Minnesota Geological Survey Geologic Atlases for Water Management", U of MN – Minnesota Geological Survey, Dale Setterholm at \$3,784,000.

AMENDMENT: Commissioner Torkelson moved to amend Commissioner Gibson's motion to move Line 2, ENRTF ID: 001-A "Minnesota Geological Survey Geologic Atlases for Water Management", U of MN – Minnesota Geological Survey, Dale Setterholm at \$4,729,000. Commissioner Gibson accepted Commissioner Torkelson's amendment.

RENEWED MOTION: Commissioner Gibson renewed her motion as amended to move Line 2, ENRTF ID: 001-A "Minnesota Geological Survey Geologic Atlases for Water Management", U of MN – Minnesota Geological Survey, Dale Setterholm at \$4,729,000 – motion prevailed.

MOTION [03:54:25]: Commissioner Gibson moved Line 3, ENRTF ID: 006-A "Minnesota Biological Survey", MN DNR, Bruce Carlson at \$2,900,000.

AMENDMENT: Commissioner Dahms moved to amend Commissioner Gibson's motion to move Line 3, ENRTF ID: 006-A "Minnesota Biological Survey", MN DNR, Bruce Carlson at \$2,000,000 – motion did not prevail.

RENEWED MOTION: Commissioner Gibson renewed her motion to move Line 3, ENRTF ID: 006-A "Minnesota Biological Survey", MN DNR, Bruce Carlson at \$2,900,000 – motion prevailed.

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

MOTION [04:01:11]: Commissioner Moody moved Line 4, ENRTF ID: 009-A "Promoting Wild Rice Restoration Success by Examining Microbes", U of MN – Duluth NRRI, Chanlan Chun at \$334,000 and must be coordinated with Minnesota Pollution Control Agency development of sulfate standards for Wild Rice as suggested by Co-Chair Persell - motion prevailed.

MOTION [04:02:03]: Commissioner Faber moved Line 5, ENRTF ID: 015-A "Non-Invasive Moose Calf Surveys and Ecosystem Monitoring", U of MN, Mark Ditmer at \$348,000 – motion prevailed.

MOTION [04:03:15]: Commissioner Broberg moved Line 6, ENRTF ID: 002-A "What are the Public Benefits of Protecting Sourcewater", U of MN, Bonnie Keeler at \$320,000 – motion prevailed.

MOTION [04:04:23]: Commissioner Faber moved Line 7, ENRTF ID: 007-A "Continue Expansion of the Minnesota Wildflowers Online Botanical Reference", Minnesota Wildflowers Information, Catherine Chayka at \$270,000 – motion prevailed.

MOTION [04:04:58]: Commissioner Hoffman moved Line 8, ENRTF ID: 017-A "Effects of Wolves on Beavers, Moose, and Deer", Voyageurs National Park, Steve Windels at \$293,000 – motion prevailed.

MOTION [04:06:33]: Commissioner Faber moved Line 9, ENRTF ID: 003-A "Minnesota Trumpeter Swan Migration Ecology and Conservation", U of MN, David Anderson at \$462,000 – motion did not prevail (Division called - 4 yes / 7 No).

MOTION [04:09:28]: Commissioner Moody moved Line 10, ENRTF ID: 016-A "Cascading Effects of Wolf Recolonization", U of MN, Forest Isbell at \$398,000 – motion prevailed.

MOTION [04:11:00]: Commissioner Broberg moved Line 11 ENRTF ID: 012-A "Mapping Groundwater Contamination: Accessible Data to Protect Resources", MPCA, Hans Neve at \$400,000 – motion prevailed.

MOTION [04:11:58]: Commissioner Dahms moved Line 12 ENRTF ID: 031-A "Minnesota's Freshwater Sponges: Mapping Taxonomy and Environmental Toxicology", U of MN, Venugopal Mukku at \$258,000 – motion prevailed.

MOTION [04:12:33]: Commissioner Gibson moved Line 13, ENRTF ID: 004-A "Healthy Prairies II: Preserving Minnesota Prairie Plant Diversity", U of MN, Ruth Shaw at \$900,000 – motion prevailed.

MOTION [04:13:24]: Commissioner Broberg moved Line 14, ENRTF ID: 013-A Landslide Hazards and Impacts on Minnesota's Natural Environment", U of MN, Karen Gran at \$500,000 – motion prevailed

MOTION [04:14:39]: Commissioner Torkelson moved Line 15, ENRTF ID: 011-A "Drainage Records Modernization – Phase II, Cost Share", Board of Water and Soil Resources, Timothy Gillette at \$540,000 – motion prevailed (Division called 7 Yes / 5 No).

MOTION [04:17:37]: Commissioner Moody moved Line 16, ENRTF ID: 020-A "Lowland Conifer Ecosystems: Holistic Assessment for Adaptive Management", U of MN, Marcella Windmuller-Campione at \$763,000.

AMENDMENT: Commissioner Faber moved to amend Commissioner Moody's motion to move Line 16, ENRTF ID: 020-A "Lowland Conifer Ecosystems: Holistic Assessment for Adaptive Management", U of MN, Marcella Windmuller-Campione at \$500,000. Commissioner Moody accepted the amendment.

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

RENEWED MOTION: Commissioner Moody renewed his motion as amended to move Line 16, ENRTF ID: 020-A "Lowland Conifer Ecosystems: Holistic Assessment for Adaptive Management", U of MN, Marcella Windmuller-Campione at \$500,000 – motion did not prevail.

MOTION [04:20:30]: Commissioner Torkelson moved Line 17, ENRTF ID: 005-A "Enhancing Targeted and Measureable Watershed Restoration and Protection", Board of Water and Soil Resources, Doug Thomas at \$2,800,000 - motion did not prevail (Division called 5 Yes / 8 No).

Members returned to reviewing proposals in Category D "Aquatic and Terrestrial Invasive Species" and began allocating dollars to proposals

MOTION [04:24:02]: Commissioner Wagenius moved Line 51, ENRTF ID: 108-D "Emerald Ash Borer Biocontrol Phase III: Assessment and Citizen Engagement", Minnesota Department of Agriculture, Jonathon Osthus at \$729,000.

AMENDMENT: Commissioner Dahms moved to amend Commissioner Wagenius' motion to move Line 51, ENRTF ID: 108-D "Emerald Ash Borer Biocontrol Phase III: Assessment and Citizen Engagement", Minnesota Department of Agriculture, Jonathon Osthus at \$400,000 – motion did not prevail (Division called 7 Yes / 8 No).

RENEWED MOTION: Commissioner Wagenius renewed her motion to move Line 51, ENRTF ID: 108-D "Emerald Ash Borer Biocontrol Phase III: Assessment and Citizen Engagement", Minnesota Department of Agriculture, Jonathon Osthus at \$729,000 – motion prevailed.

MOTION [04:29:25]: Commissioner Broberg moved Line 52, ENRTF ID: 119-D "Adapting Stream Barriers to Remove Invasive Fish", U of MN, Przemyslaw Bajer at \$301,000 – motion prevailed.

MOTION [04:31:22]: Commissioner Faber moved Line 53, ENRTF ID: 107-D "Implementing Biological Control of Garlic Mustard", U of MN, Roger Becker at \$421,000 – motion prevailed.

MOTION [04:32:20]: Commissioner Wagenius moved Line 54, ENRTF ID: 106-D "Using Science to Solve Minnesota's AIS Problems – Phase II", U of MN, Susan Galatowitsch at \$6,100,000.

Commissioner Westrom asked about laying Line 54, ENRTF ID: 106-D "Using Science to Solve Minnesota's AIS Problems – Phase II" on the table until the end of discussions.

Commissioner Torkelson would like to fund the Minnesota Aquatic Invasive Species Research Center (MAISRC) and not fund the other AIS projects. Commissioner Wagenius agreed with Commissioner Torkelson that the individual proposals should go to MAISRC for funding.

AMENDMENT: Commissioner Dahms moved to amend Commissioner Wagenius' motion to move Line 54, ENRTF ID: 106-D "Using Science to Solve Minnesota's AIS Problems – Phase II", U of MN, Susan Galatowitsch at \$5,000,000 and no other AIS projects from the U of MN.

Commissioner McNamara suggested reducing to \$3,000,000 and all AIS proposals need to start going through the Minnesota Aquatic Invasive Species Research Center (MAISRC). Members asked staff for an update on MAISRC at the next LCCMR meeting in November. Members continued discussions. Commissioner Dahms agreed at \$3,000,000.

RENEWED AMENDMENT: Commissioner Dahms renewed his amendment to amend Commissioner Wagenius' motion to move Line 54, ENRTF ID: 106-D "Using Science to Solve Minnesota's AIS Problems – Phase II", U of MN, Susan Galatowitsch at \$3,000,000 and Line 52, ENRTF ID: 119-D "Adapting Stream Barriers to Remove Invasive Fish", U of MN, Przemyslaw Bajer, Line 58, ENRTF ID: 111-D "New Technology to Control Invasive Carp", U of MN, Michael Smanski, and Line 59,

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

ENRTF ID: 117-D "Acquiring Key Information for a Carp Deterrent System at Lock and Dam #5", U of MN, Peter Sorensen need to go through MAISRC for funding.

Members continued discussions.

RENEWED AMENDMENT: Commissioner Dahms renewed his amendment to amend Commissioner Wagenius' motion to move Line 54, ENRTF ID: 106-D "Using Science to Solve Minnesota's AIS Problems – Phase II", U of MN, Susan Galatowitsch at \$3,000,000 and MAISRC consider funding Line 52, ENRTF ID: 119-D "Adapting Stream Barriers to Remove Invasive Fish", U of MN, Przemyslaw Bajer and Line 59, ENRTF ID: 117-D "Acquiring Key Information for a Carp Deterrent System at Lock and Dam #5", U of MN, Peter Sorensen and requested staff to contact MAISRC to request they give consideration for funding Line 52, ENRTF ID: 119-D "Adapting Stream Barriers to Remove Invasive Fish", U of MN, Przemyslaw Bajer and Line 59, ENRTF ID: 117-D "Acquiring Key Information for a Carp Deterrent System at Lock and Dam #5", U of MN, Peter Sorensen.

Members continued discussions.

RENEWED AMENDMENT: Commissioner Dahms renewed his amendment to Commissioner Wagenius' motion to move Line 54, ENRTF ID: 106-D "Using Science to Solve Minnesota's AIS Problems – Phase II", U of MN, Susan Galatowitsch at \$2,700,000 and requested staff to contact MAISRC to discuss the issue of AIS projects from the U of MN needing to go through MAISRC for funding and not the LCCMR – motion prevailed.

RENEWED MOTION: Commissioner Wagenius renewed her motion as amended to move Line 54, ENRTF ID: 106-D "Using Science to Solve Minnesota's AIS Problems – Phase II", U of MN, Susan Galatowitsch at \$2,700,000 and requested staff to contact MAISRC to discuss the issue of AIS projects from the U of MN needing to go through MAISRC for funding and not the LCCMR – motion prevailed.

MOTION [05:15:13]: Commissioner Broberg moved Line 55, ENRTF ID: 122-D "Tactical Invasive Plant Management Plan Development", Minnesota Department of Agriculture, Monika Chandler at \$296,000 – motion prevailed.

MOTION [05:17:40]: Commissioner Broberg moved Line 56, ENRTF ID: 114-D "Continuation of Invasive Carp and Native Fish Evaluation", MN DNR, Bradford Parsons at \$600,000.

AMENDMENT: Commissioner Faber moved to amend Commissioner Broberg's motion to move Line 56, ENRTF ID: 114-D "Continuation of Invasive Carp and Native Fish Evaluation", MN DNR, Bradford Parsons at \$500,000. Commissioner Broberg accepted.

RENEWED MOTION: Commissioner Broberg renewed his motion as amended to move Line 56, ENRTF ID: 114-D "Continuation of Invasive Carp and Native Fish Evaluation", MN DNR, Bradford Parsons at \$500,000 – motion prevailed.

MOTION [05:28:45]: Commissioner Faber moved Line 57, ENRTF ID: 123-D "Maximize Value of Water Impoundments to Wildlife", Audubon Minnesota, Kristin Hall at \$195,000 – motion prevailed.

Members recessed at 4:40 and reconvened at 4:50 p.m.

Mike Banker announced his move to Washington, DC.

Mike Banker announced that there are 25 proposals (for a total of \$39,925,000) remaining for discussion tomorrow with a remaining balance of \$29,649,000 left to be allocated out of the \$59,256,000.

LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA RESOURCES

MOTION [05:34:31]: Commissioner Hoffman moved that the meeting is adjourned for the day and return at 8:30 a.m. on July 13, 2016 – motion prevailed.

6. Other business (as needed)

- Next steps in the process
- Next meeting, July 13, 2016

7. Adjourn

The meeting adjourned at 4:40 p.m.

Paul Rohrer