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State of Minnesota

Printed Page No. 324

HOUSE OF REPRESENTATIVES

EIGHTY-NINTH SESSION

H. F. No. 2993

- 03/14/2016 Authored by Hackbarth and McNamara  
The bill was read for the first time and referred to the Committee on Environment and Natural Resources Policy and Finance
- 03/21/2016 Adoption of Report: Amended and re-referred to the Committee on Civil Law and Data Practices
- 03/29/2016 Adoption of Report: Re-referred to the Committee on Ways and Means
- 04/06/2016 Adoption of Report: Placed on the General Register as Amended  
Read Second Time
- 05/04/2016 Referred to the Chief Clerk for Comparison with S. F. No. 2963
- 05/05/2016 Postponed Indefinitely

1.1 A bill for an act  
 1.2 relating to natural resources; appropriating money from environment and natural  
 1.3 resources trust fund; modifying provisions for Legislative-Citizen Commission  
 1.4 on Minnesota Resources; adding requirements for use of trust fund money;  
 1.5 amending Minnesota Statutes 2014, sections 116P.05, subdivision 1; 116P.08,  
 1.6 subdivision 4; 137.025, by adding a subdivision; Minnesota Statutes 2015  
 1.7 Supplement, sections 116P.05, subdivision 2; 116P.08, subdivision 5; proposing  
 1.8 coding for new law in Minnesota Statutes, chapter 116P.

1.9 BE IT ENACTED BY THE LEGISLATURE OF THE STATE OF MINNESOTA:

1.10 Section 1. APPROPRIATIONS.

1.11 The sums shown in the columns marked "Appropriations" are appropriated to the  
 1.12 agencies and for the purposes specified in this act. The appropriations are from the  
 1.13 environment and natural resources trust fund, or another named fund, and are available for  
 1.14 the fiscal years indicated for each purpose. The figures "2016" and "2017" used in this act  
 1.15 mean that the appropriations listed under them are available for the fiscal year ending June  
 1.16 30, 2016, or June 30, 2017, respectively. "The first year" is fiscal year 2016. "The second  
 1.17 year" is fiscal year 2017. "The biennium" is fiscal years 2016 and 2017.

1.18		<b><u>APPROPRIATIONS</u></b>	
1.19		<b><u>Available for the Year</u></b>	
1.20		<b><u>Ending June 30</u></b>	
1.21		<b><u>2016</u></b>	<b><u>2017</u></b>

1.22 Sec. 2. MINNESOTA RESOURCES

1.23	<u>Subdivision 1. Total Appropriation</u>	<u>\$</u>	<u>-0-</u>	<u>\$</u>	<u>46,337,000</u>
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2.1	<u>Appropriations by Fund</u>	
2.2	<u>2016</u>	<u>2017</u>
2.3	<u>Environment and</u>	
2.4	<u>natural resources</u>	
2.5	<u>-0-</u>	<u>46,337,000</u>

2.6 The amounts that may be spent for each  
 2.7 purpose are specified in the following  
 2.8 subdivisions. Appropriations are available  
 2.9 for two years beginning July 1, 2016, unless  
 2.10 otherwise stated in the appropriation. Any  
 2.11 unencumbered balance remaining in the  
 2.12 first year does not cancel and is available  
 2.13 for the second year or until the end of the  
 2.14 appropriation.

2.15 **Subd. 2. Definition.**

2.16 "Trust fund" means the Minnesota  
 2.17 environment and natural resources trust fund  
 2.18 established under Minnesota Constitution,  
 2.19 article XI, section 14.

2.20 **Subd. 3. Foundational Natural Resource Data**  
 2.21 **and Information**

-0-                      11,158,000

2.22 **(a) Data-Driven Pollinator Conservation**  
 2.23 **Strategies**

2.24 \$520,000 the second year is from the trust  
 2.25 fund to the Board of Regents of the University  
 2.26 of Minnesota to improve understanding of the  
 2.27 relationships and interactions between native  
 2.28 bee pollinators and rare and declining plant  
 2.29 species and to determine optimal placement  
 2.30 and species plantings for pollinator habitat  
 2.31 in order to develop guidelines for planning,  
 2.32 designing, and planting pollinator habitat.  
 2.33 This appropriation is available until June  
 2.34 30, 2019, by which time the project must be  
 2.35 completed and final products delivered.

3.1 **(b) Native Bee Surveys in Minnesota Prairie**  
3.2 **and Forest Habitats**

3.3 \$600,000 the second year is from the trust  
3.4 fund to the commissioner of natural resources  
3.5 to continue to assess the current status and  
3.6 distribution of native bee pollinators in  
3.7 Minnesota by expanding surveys into the  
3.8 prairie-forest border region and facilitating  
3.9 interagency collaboration and public  
3.10 outreach on pollinators. This appropriation  
3.11 is available until June 30, 2019, by which  
3.12 time the project must be completed and final  
3.13 products delivered.

3.14 **(c) Prairie Butterfly Conservation, Research,**  
3.15 **and Breeding - Phase II**

3.16 \$750,000 the second year is from the trust  
3.17 fund. Of this amount, \$421,000 is to the  
3.18 Minnesota Zoological Garden and \$329,000  
3.19 is to the commissioner of natural resources in  
3.20 collaboration with the United States Fish and  
3.21 Wildlife Service to continue efforts to prevent  
3.22 the extinction of imperiled native Minnesota  
3.23 butterfly species through breeding, research,  
3.24 field surveys, and potential reintroduction.  
3.25 This appropriation is available until June  
3.26 30, 2019, by which time the project must be  
3.27 completed and final products delivered.

3.28 **(d) Statewide Monitoring Network for**  
3.29 **Changing Habitats in Minnesota**

3.30 \$500,000 the second year is from the  
3.31 trust fund to the commissioner of natural  
3.32 resources to develop a consolidated statewide  
3.33 network of permanent habitat monitoring  
3.34 sites in prairies, forests, and wetlands to  
3.35 help guide and prioritize habitat protection  
3.36 and management decisions in response to

4.1 environmental change. The design and  
4.2 testing methodologies of monitoring plots  
4.3 must address the status of pollinators and  
4.4 pollination. This appropriation is available  
4.5 until June 30, 2019, by which time the  
4.6 project must be completed and final products  
4.7 delivered.

4.8 **(e) Completing National Wetland Inventory**  
4.9 **Update for Minnesota**

4.10 \$1,500,000 the second year is from the trust  
4.11 fund to the commissioner of natural resources  
4.12 to complete the update and enhancement  
4.13 of wetland inventory maps for counties in  
4.14 central and northwestern Minnesota. This  
4.15 appropriation is available until June 30,  
4.16 2019, by which time the project must be  
4.17 completed and final products delivered.

4.18 **(f) Assessment Tool for Understanding**  
4.19 **Vegetation Growth Impacts on Groundwater**  
4.20 **Recharge**

4.21 \$212,000 the second year is from the  
4.22 trust fund to the Board of Regents of the  
4.23 University of Minnesota to develop a  
4.24 statewide assessment tool to help understand  
4.25 the relationship between vegetation growth  
4.26 and impacts on groundwater recharge  
4.27 under changing land use and climate. This  
4.28 appropriation is available until June 30,  
4.29 2019, by which time the project must be  
4.30 completed and final products delivered.

4.31 **(g) Sentinel Lakes Monitoring and Data**  
4.32 **Synthesis – Phase III**

4.33 \$401,000 the second year is from the trust  
4.34 fund to the commissioner of natural resources  
4.35 for the third and final phase of a monitoring  
4.36 and multidisciplinary research effort on

5.1 25 sentinel lakes in Minnesota, which will  
5.2 integrate and synthesize previously collected  
5.3 data to enhance understanding of how  
5.4 lakes respond to large-scale environmental  
5.5 stressors and provide for improved ability  
5.6 to predict and respond to lake changes  
5.7 for water and fisheries management. This  
5.8 appropriation is available until June 30,  
5.9 2019, by which time the project must be  
5.10 completed and final products delivered.

5.11 **(h) State Spring Inventory for Resource**  
5.12 **Management and Protection - Phase II**

5.13 \$370,000 the second year is from the trust  
5.14 fund to the commissioner of natural resources  
5.15 to continue a systematic inventory of springs  
5.16 statewide to provide fundamental data  
5.17 needed to maintain spring flows and protect  
5.18 groundwater-dependent resources. Increased  
5.19 outreach to the public and other entities must  
5.20 be conducted to assist in the identification,  
5.21 documentation, and publication of spring  
5.22 locations. This appropriation is available  
5.23 until June 30, 2019, by which time the  
5.24 project must be completed and final products  
5.25 delivered.

5.26 **(i) Enhancing Understanding of Minnesota**  
5.27 **River Aquatic Ecosystem**

5.28 \$500,000 the second year is from the trust  
5.29 fund to the commissioner of natural resources  
5.30 to accelerate collection of baseline data to  
5.31 enhance understanding of the Minnesota  
5.32 River ecosystem, measure future impacts  
5.33 of changing climate and landscapes on  
5.34 the aquatic ecosystem, and guide future  
5.35 management efforts. This appropriation  
5.36 is available until June 30, 2019, by which

6.1 time the project must be completed and final  
6.2 products delivered.

6.3 **(j) Improving Brook Trout Stream Habitat**  
6.4 **Through Beaver Management**

6.5 \$225,000 the second year is from the  
6.6 trust fund to the Board of Trustees of the  
6.7 Minnesota State Colleges and Universities  
6.8 system for Bemidji State University to  
6.9 quantify how beaver activity influences  
6.10 habitat quality in streams for brook trout in  
6.11 northeastern Minnesota in order to improve  
6.12 current and future management practices.

6.13 This appropriation is available until June  
6.14 30, 2019, by which time the project must be  
6.15 completed and final products delivered.

6.16 **(k) Evaluate Temperature, Streamflow, and**  
6.17 **Hydrogeology Impact on Brook Trout Habitat**

6.18 \$115,000 the second year is from the  
6.19 trust fund to the Board of Regents of the  
6.20 University of Minnesota for the Minnesota  
6.21 Geological Survey to evaluate links between  
6.22 southeastern Minnesota stream temperatures,  
6.23 trout habitat, and bedrock hydrogeology to  
6.24 improve trout stream management. This  
6.25 appropriation is available until June 30,  
6.26 2019, by which time the project must be  
6.27 completed and final products delivered.

6.28 **(l) Restoration of Elk to Northeastern**  
6.29 **Minnesota**

6.30 \$300,000 the second year is from the  
6.31 trust fund to the Board of Regents of the  
6.32 University of Minnesota in cooperation with  
6.33 the Fond du Lac Band and Rocky Mountain  
6.34 Elk Foundation to determine the habitat  
6.35 suitability and levels of public support for  
6.36 restoring elk to northeastern Minnesota.

7.1 This appropriation is available until June  
7.2 30, 2019, by which time the project must be  
7.3 completed and final products delivered.

7.4 **(m) Game and Nongame Bird Pesticide**  
7.5 **Exposure**

7.6 \$349,000 the second year is from the trust  
7.7 fund to the Board of Regents of the University  
7.8 of Minnesota to evaluate the potential risk  
7.9 to game and nongame birds from exposure  
7.10 to neonicotinoid-treated agricultural seeds.

7.11 This appropriation is available until June  
7.12 30, 2019, by which time the project must be  
7.13 completed and final products delivered.

7.14 **(n) Evaluating Insecticide Exposure Risk for**  
7.15 **Grassland Wildlife on Public Lands**

7.16 \$250,000 the second year is from the trust  
7.17 fund to the commissioner of natural resources  
7.18 to evaluate exposure risks of grassland  
7.19 wildlife to soybean aphid insecticides, to  
7.20 guide grassland management in farmland  
7.21 regions of Minnesota for the protection of  
7.22 birds, beneficial insects, and other grassland  
7.23 wildlife. This appropriation is available until  
7.24 June 30, 2019, by which time the project must  
7.25 be completed and final products delivered.

7.26 **(o) Development of Innovative Cost-Saving**  
7.27 **Methodology for Forest Inventory**

7.28 \$1,000,000 the second year is from the  
7.29 trust fund to the commissioner of natural  
7.30 resources to develop and pilot a new and more  
7.31 cost-effective methodology for an enhanced  
7.32 stand-based forest inventory, with the goal  
7.33 of extending the methodology statewide.

7.34 This appropriation is available until June  
7.35 30, 2019, by which time the project must be  
7.36 completed and final products delivered.

8.1 **(p) Evaluation of Tree Retention Guidelines**  
8.2 **Pertaining to Wildlife**

8.3 \$232,000 the second year is from the  
8.4 trust fund to the Board of Regents of the  
8.5 University of Minnesota for the Natural  
8.6 Resources Research Institute in Duluth to  
8.7 assess the effectiveness of the Minnesota  
8.8 Forest Resources Council tree retention  
8.9 guidelines in sustaining Minnesota's wildlife  
8.10 populations, by quantifying and evaluating  
8.11 the impacts on birds, small mammals, and  
8.12 amphibian diversity. This appropriation  
8.13 is available until June 30, 2019, by which  
8.14 time the project must be completed and final  
8.15 products delivered.

8.16 **(q) Determine Impacts on Wildlife From**  
8.17 **Emerald Ash Borer Infection of Black Ash**  
8.18 **Forests**

8.19 \$334,000 the second year is from the  
8.20 trust fund to the Board of Regents of the  
8.21 University of Minnesota for the Natural  
8.22 Resources Research Institute in Duluth  
8.23 to assess impacts of emerald ash borer  
8.24 and adaptive management on wildlife  
8.25 diversity in black ash forests and to develop  
8.26 recommendations to mitigate wildlife  
8.27 impacts. This appropriation is available until  
8.28 June 30, 2019, by which time the project must  
8.29 be completed and final products delivered.

8.30 **(r) Aggregate Mapping**

8.31 \$1,500,000 the second year is from the  
8.32 trust fund to the commissioner of natural  
8.33 resources to map the extent and quality of  
8.34 aggregate resources in counties that have not  
8.35 previously been mapped. This appropriation  
8.36 is available until June 30, 2019, by which

9.1 time the project must be completed and final  
 9.2 products delivered.

9.3 **(s) Pineland Sands Lands and Water Study**

9.4 \$1,500,000 the second year is from the trust  
 9.5 fund to the commissioner of natural resources  
 9.6 to study the impact of changes in land use  
 9.7 from forest land to irrigated agriculture in the  
 9.8 Pineland Sands aquifer along the Crow Wing  
 9.9 River. This appropriation is available until  
 9.10 June 30, 2021, and is not subject to Minnesota  
 9.11 Statutes, sections 116P.05, subdivision 2,  
 9.12 paragraph (b), and 116P.09, subdivision 4.

9.13 **Subd. 4. Water Resources** -0- 8,349,000

9.14 **(a) Tracking and Preventing Harmful Algal**  
 9.15 **Blooms**

9.16 \$500,000 the second year is from the trust  
 9.17 fund to the Science Museum of Minnesota  
 9.18 for the St. Croix Watershed Research Station  
 9.19 to identify species composition and timing of  
 9.20 harmful algal blooms, understand the causes  
 9.21 of bloom development in individual lakes,  
 9.22 and determine how nutrients and climate  
 9.23 interact to increase harmful algae outbreaks.

9.24 This work must be done in cooperation  
 9.25 with the University of Minnesota and the  
 9.26 Minnesota Pollution Control Agency. This  
 9.27 appropriation is available until June 30,  
 9.28 2019, by which time the project must be  
 9.29 completed and final products delivered.

9.30 **(b) Assessing the Increasing Harmful Algal**  
 9.31 **Blooms in Minnesota Lakes**

9.32 \$270,000 the second year is from the trust  
 9.33 fund to the Board of Regents of the University  
 9.34 of Minnesota for the Saint Anthony Falls  
 9.35 Laboratory to investigate lake processes

10.1 and meteorological conditions triggering  
10.2 algal blooms and toxin production, develop  
10.3 models for tracking blooms, and provide  
10.4 outreach on the prediction, detection, and  
10.5 impacts of mitigation of algal bloom events.

10.6 This work must be done in cooperation with  
10.7 the St. Croix Watershed Research Station  
10.8 of the Science Museum of Minnesota and  
10.9 the Minnesota Pollution Control Agency.

10.10 This appropriation is available until June  
10.11 30, 2019, by which time the project must be  
10.12 completed and final products delivered.

10.13 **(c) Restoring Native Mussels in Streams and**  
10.14 **Lakes**

10.15 \$600,000 the second year is from the  
10.16 trust fund to the commissioner of natural  
10.17 resources in cooperation with the Minnesota  
10.18 Zoological Garden for a statewide mussel  
10.19 program to rear, restore, and re-establish  
10.20 native mussel species in streams and rivers.

10.21 This appropriation is available until June  
10.22 30, 2019, by which time the project must be  
10.23 completed and final products delivered.

10.24 **(d) Assessing Techniques for Eliminating**  
10.25 **Contaminants to Protect Native Fish and**  
10.26 **Mussels**

10.27 \$287,000 the second year is from the  
10.28 trust fund to the commissioner of natural  
10.29 resources for an agreement with the  
10.30 University of St. Thomas to evaluate the  
10.31 use of ultraviolet treatment of wastewater  
10.32 to remove certain commonly detected  
10.33 wastewater contaminants, in order to reduce  
10.34 the contaminants' toxicity to native fish and  
10.35 mussels. This appropriation is available until

11.1 June 30, 2019, by which time the project must  
11.2 be completed and final products delivered.

11.3 **(e) Assessing Neonicotinoid Insecticide Effects**  
11.4 **on Aquatic and Soil Communities**

11.5 \$400,000 the second year is from the trust  
11.6 fund to the Board of Regents of the University  
11.7 of Minnesota to identify neonicotinoid  
11.8 insecticide breakdown components produced  
11.9 in water and plant leaves and assess their  
11.10 toxicity to soil and aquatic species and related  
11.11 biotic communities. This appropriation is  
11.12 available until June 30, 2019, by which time  
11.13 the project must be completed and final  
11.14 products delivered.

11.15 **(f) Bacterial Assessment of Groundwater**  
11.16 **Supplies Used for Drinking Water**

11.17 \$299,000 the second year is from the  
11.18 trust fund to the Board of Regents of the  
11.19 University of Minnesota to characterize and  
11.20 analyze bacterial communities in Minnesota  
11.21 groundwater used as drinking water supplies  
11.22 and link the microbiological data to other  
11.23 water quality indicators for drinking water  
11.24 supply safety. This appropriation is available  
11.25 until June 30, 2019, by which time the  
11.26 project must be completed and final products  
11.27 delivered.

11.28 **(g) Understanding Bedrock Fracture Flow to**  
11.29 **Improve Groundwater Quality**

11.30 \$183,000 the second year is from the  
11.31 trust fund to the Board of Regents of the  
11.32 University of Minnesota for the Minnesota  
11.33 Geological Survey to use new techniques of  
11.34 borehole testing and rock fracture mapping in  
11.35 the Twin Cities metropolitan area to achieve  
11.36 a better understanding of groundwater

12.1 flow through fractured bedrock, in order to  
12.2 improve groundwater management. This  
12.3 appropriation is available until June 30,  
12.4 2019, by which time the project must be  
12.5 completed and final products delivered.

12.6 **(h) Protection of State's Confined Drinking**  
12.7 **Water Aquifers - Phase II**

12.8 \$433,000 the second year is from the  
12.9 trust fund to the commissioner of natural  
12.10 resources for an agreement with the United  
12.11 States Geological Survey to continue to test  
12.12 methods of defining properties of confined  
12.13 drinking water aquifers, in order to improve  
12.14 water management. This appropriation is  
12.15 not subject to Minnesota Statutes, section  
12.16 116P.10. This appropriation is available until  
12.17 June 30, 2019, by which time the project must  
12.18 be completed and final products delivered.

12.19 **(i) Techniques for Water Storage Estimates in**  
12.20 **Central Minnesota**

12.21 \$250,000 the second year is from the  
12.22 trust fund to the Board of Regents of the  
12.23 University of Minnesota to improve water  
12.24 storage estimates in groundwater, soil  
12.25 moisture, streams, lakes, and wetlands  
12.26 through integration of satellite monitoring  
12.27 and ground-based measurements in central  
12.28 Minnesota. This appropriation is available  
12.29 until June 30, 2019, by which time the  
12.30 project must be completed and final products  
12.31 delivered.

12.32 **(j) Assessment of Surface Water Quality with**  
12.33 **Satellite Sensors**

12.34 \$345,000 the second year is from the trust  
12.35 fund to the Board of Regents of the University  
12.36 of Minnesota for a statewide assessment of

13.1 water quality using new satellite sensors  
13.2 for high frequency measurement of major  
13.3 water quality indicators in lakes and rivers.  
13.4 This appropriation is available until June  
13.5 30, 2019, by which time the project must be  
13.6 completed and final products delivered.

13.7 **(k) Development of Innovative Sensor**  
13.8 **Technologies for Water Monitoring**

13.9 \$509,000 the second year is from the  
13.10 trust fund to the Board of Regents of  
13.11 the University of Minnesota to develop  
13.12 inexpensive and efficient sensitive sensors  
13.13 and wireless sensor networks for continuous  
13.14 monitoring of contaminants in lakes and  
13.15 rivers in Minnesota. This appropriation  
13.16 is subject to Minnesota Statutes, section  
13.17 116P.10. This appropriation is available until  
13.18 June 30, 2019, by which time the project must  
13.19 be completed and final products delivered.

13.20 **(l) Wastewater Treatment Process**  
13.21 **Improvements**

13.22 \$398,000 the second year is from the trust  
13.23 fund to the Board of Regents of the University  
13.24 of Minnesota to characterize and quantify  
13.25 the nutrient-removing microorganisms used  
13.26 for municipal wastewater treatment, in order  
13.27 to improve the process used to reduce total  
13.28 nitrogen discharge. This appropriation is  
13.29 available until June 30, 2019, by which time  
13.30 the project must be completed and final  
13.31 products delivered.

13.32 **(m) Membrane-Based Process for**  
13.33 **Decentralized Drinking Water Production**

13.34 \$191,000 the second year is from the trust  
13.35 fund to the Board of Regents of the University  
13.36 of Minnesota to develop a low-energy use,

14.1 membrane-based treatment technology  
14.2 to produce drinking water locally from  
14.3 surface waters by removing heavy metals  
14.4 and contaminants of emerging concern,  
14.5 including pesticides and pharmaceuticals.  
14.6 This appropriation is subject to Minnesota  
14.7 Statutes, section 116P.10. This appropriation  
14.8 is available until June 30, 2019, by which  
14.9 time the project must be completed and final  
14.10 products delivered.

14.11 **(n) Analyzing Alternatives for Municipal**  
14.12 **Wastewater Treatment**

14.13 \$180,000 the second year is from the trust  
14.14 fund to the commissioner of the Minnesota  
14.15 Pollution Control Agency to analyze  
14.16 alternatives for improved treatment of  
14.17 sulfate and salty parameters at municipal  
14.18 wastewater plants to inform the development  
14.19 and implementation of wild rice, sulfate,  
14.20 and other water quality standards. This  
14.21 appropriation is available until June 30,  
14.22 2019, by which time the project must be  
14.23 completed and final products delivered.

14.24 **(o) Understanding Impacts of Salt Usage on**  
14.25 **Minnesota Lakes, Rivers, and Groundwater**

14.26 \$497,000 the second year is from the  
14.27 trust fund to the Board of Regents of  
14.28 the University of Minnesota to quantify  
14.29 the current water-softening salt loads in  
14.30 Minnesota lakes, rivers, and groundwater,  
14.31 assess alternative water-softening materials  
14.32 and methods, and quantify the transport of  
14.33 de-icing and water-softening salt through the  
14.34 soil. This appropriation is available until  
14.35 June 30, 2019, by which time the project must  
14.36 be completed and final products delivered.

15.1 **(p) Microbes for Salt and Metal Removal**

15.2 \$596,000 the second year is from the  
15.3 trust fund to the Board of Regents of the  
15.4 University of Minnesota to continue to  
15.5 research the potential of recently discovered  
15.6 microbes from Soudan Iron Mine in  
15.7 northern Minnesota for removing salts and  
15.8 metals from groundwater and surface water  
15.9 resources. This appropriation is subject to  
15.10 Minnesota Statutes, section 116P.10. This  
15.11 appropriation is available until June 30,  
15.12 2019, by which time the project must be  
15.13 completed and final products delivered.

15.14 **(q) Engineered Biofilter for Sulfate and Metal**  
15.15 **Removal from Mine Waters**

15.16 \$440,000 the second year is from the  
15.17 trust fund to the Board of Regents of  
15.18 the University of Minnesota to develop  
15.19 an efficient, low-cost, biomass-derived  
15.20 adsorbent material for use in bioactive filters  
15.21 able to remove sulfate and metals from  
15.22 mining-impacted waters. This appropriation  
15.23 is subject to Minnesota Statutes, section  
15.24 116P.10. This appropriation is available until  
15.25 June 30, 2019, by which time the project must  
15.26 be completed and final products delivered.

15.27 **(r) Developing Biosponge Technology for**  
15.28 **Removal of Nitrates from Minnesota Waters**

15.29 \$198,000 the second year is from the  
15.30 trust fund to the Board of Regents of the  
15.31 University of Minnesota to adapt and test  
15.32 an inexpensive biosponge technology for  
15.33 its effectiveness at removing nitrates from  
15.34 drinking water. This appropriation is subject  
15.35 to Minnesota Statutes, section 116P.10. This

16.1 appropriation is available until June 30,  
16.2 2019, by which time the project must be  
16.3 completed and final products delivered.

16.4 **(s) Morrison County Performance Drainage**  
16.5 **and Hydrology Management**

16.6 \$209,000 the second year is from the trust  
16.7 fund to the commissioner of natural resources  
16.8 for an agreement with the Morrison Soil  
16.9 and Water Conservation District to conduct  
16.10 an assessment of drainage infrastructure,  
16.11 in order to develop hydrology restoration  
16.12 priorities and a countywide performance  
16.13 drainage ordinance to address land  
16.14 use-change impacts to the hydrogeology.

16.15 This appropriation is available until June  
16.16 30, 2019, by which time the project must be  
16.17 completed and final products delivered.

16.18 **(t) Agricultural and Urban Runoff Water**  
16.19 **Quality Treatment Analysis - Phase II**

16.20 \$110,000 the second year is from the  
16.21 trust fund to the Board of Water and Soil  
16.22 Resources for an agreement with the Blue  
16.23 Earth County Drainage Authority to continue  
16.24 monitoring a model demonstration for  
16.25 storage and treatment options in drainage  
16.26 systems designed to improve agricultural and  
16.27 urban water quality by reducing soil erosion,  
16.28 peak water flows, and nutrient loading. This

16.29 appropriation is available until June 30,  
16.30 2021, by which time the project must be  
16.31 completed and final products delivered.

16.32 **(u) Surface Water Bacterial Treatment System**  
16.33 **Pilot Project**

16.34 \$500,000 the second year is from the trust  
16.35 fund to the commissioner of natural resources  
16.36 for an agreement with Vadnais Lake Area

17.1 Water Management Organization to reduce  
17.2 bacteria and nutrient loads to Vadnais  
17.3 Lake, a drinking water supply reservoir,  
17.4 through implementation and evaluation  
17.5 of a subsurface constructed wetland as a  
17.6 best management practice for potential  
17.7 statewide use. The Vadnais Lake Area Water  
17.8 Management Organization must consider  
17.9 contracting with the University of Minnesota  
17.10 Department of Civil, Environmental,  
17.11 and Geo-Engineering to evaluate the  
17.12 effectiveness of the pilot treatment system  
17.13 so that it maximizes benefits and can be  
17.14 replicated elsewhere. This appropriation  
17.15 is available until June 30, 2021, by which  
17.16 time the project must be completed and final  
17.17 products delivered.

17.18 **(v) Assessing Effectiveness of Wetland**  
17.19 **Restorations for Improved Water Quality**

17.20 \$420,000 the second year is from the trust  
17.21 fund to the Board of Regents of the University  
17.22 of Minnesota to quantify the environmental  
17.23 benefits of sediment removal and native  
17.24 plant communities in wetland restorations by  
17.25 measuring resulting reductions in nitrogen  
17.26 and phosphorus delivery to groundwater and  
17.27 surface water. This appropriation is available  
17.28 until June 30, 2019, by which time the  
17.29 project must be completed and final products  
17.30 delivered.

17.31 **(w) Assessing Climate Change Effects on**  
17.32 **Release of Mercury and Sulfur into Aquatic**  
17.33 **Ecosystems**

17.34 \$300,000 the second year is from the  
17.35 trust fund to the Board of Regents of the  
17.36 University of Minnesota to determine the

18.1 effects of increased temperatures on the  
 18.2 release of mercury and sulfur from Minnesota  
 18.3 peatlands in order to help predict impacts  
 18.4 on aquatic ecosystems and fish health. This  
 18.5 appropriation is available until June 30,  
 18.6 2019, by which time the project must be  
 18.7 completed and final products delivered.

18.8 **(x) Integrated Targeted Watershed Planning**  
 18.9 **Tools with Citizen Involvement**

18.10 \$169,000 the second year is from the  
 18.11 trust fund to the Board of Trustees of the  
 18.12 Minnesota State Colleges and Universities  
 18.13 system for the Water Resources Center  
 18.14 at Minnesota State University, Mankato,  
 18.15 to use geographic information system  
 18.16 (GIS) prioritization and modeling tools  
 18.17 to develop pollution reduction strategies  
 18.18 in five priority subwatersheds in the Le  
 18.19 Sueur River watershed and to promote  
 18.20 implementation of the reduction strategies  
 18.21 through citizen involvement and outreach.

18.22 This appropriation is available until June  
 18.23 30, 2019, by which time the project must be  
 18.24 completed and final products delivered.

18.25 **(y) Roseau Lake Watershed Targeted Water**  
 18.26 **Quality Improvement**

18.27 \$65,000 the second year is from the  
 18.28 trust fund to the commissioner of natural  
 18.29 resources to develop targeted water quality  
 18.30 improvements for the Roseau Lake watershed  
 18.31 by coordinating with partner agencies to  
 18.32 identify the top priority field scale best  
 18.33 management and conservation practices to  
 18.34 implement in the region.

18.35 **Subd. 5. Environmental Education**

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2,812,000

19.1 **(a) Minnesota Conservation Apprentice**  
19.2 **Academy**

19.3 \$433,000 the second year is from the  
19.4 trust fund to the Board of Water and Soil  
19.5 Resources in cooperation with Conservation  
19.6 Corps Minnesota and Iowa for the final  
19.7 phase of a program to train and mentor future  
19.8 conservation professionals by providing  
19.9 apprenticeship service opportunities with  
19.10 local soil and water conservation districts in  
19.11 Minnesota. This appropriation is available  
19.12 until June 30, 2019, by which time the  
19.13 project must be completed and final products  
19.14 delivered.

19.15 **(b) School Forests Outdoor Classrooms**

19.16 \$440,000 the second year is from the trust  
19.17 fund to the commissioner of natural resources  
19.18 for an agreement with Conservation Corps  
19.19 Minnesota and Iowa to renovate and restore  
19.20 60 school forests. This appropriation is  
19.21 available until June 30, 2019, by which time  
19.22 the project must be completed and final  
19.23 products delivered.

19.24 **(c) Youth-Led Sustainability Projects in 50**  
19.25 **Minnesota Communities - Phase III**

19.26 \$400,000 the second year is from the  
19.27 trust fund to the commissioner of natural  
19.28 resources for an agreement with Prairie  
19.29 Woods Environmental Learning Center to  
19.30 expand the Youth Energy Summit (YES!)  
19.31 program statewide to complete more than  
19.32 200 new youth-led climate change mitigation  
19.33 and adaptation projects in over 50 Minnesota  
19.34 communities.

20.1 **(d) New Prairie Sportsman Statewide**  
20.2 **Broadcast Video Project**

20.3 \$300,000 the second year is from the  
20.4 trust fund to the commissioner of natural  
20.5 resources for an agreement with Pioneer  
20.6 Public Television to provide outreach on  
20.7 outdoor recreation, conservation, and natural  
20.8 resource issues, including water quality,  
20.9 wildlife habitat, and invasive species,  
20.10 through a series of interrelated public  
20.11 forums, educational and training videos, and  
20.12 statewide broadcast television programs.  
20.13 This appropriation is available until June  
20.14 30, 2019, by which time the project must be  
20.15 completed and final products delivered.

20.16 **(e) Wildlife and Habitat Conservation**  
20.17 **Education for Southwest Minnesota High**  
20.18 **Schools**

20.19 \$147,000 the second year is from the trust  
20.20 fund to the Minnesota Zoological Garden  
20.21 to engage high school students in critical  
20.22 prairie wildlife and habitat conservation  
20.23 projects by using the zoo's unique animal  
20.24 collections and state-of-the-art technology to  
20.25 deliver hands-on learning in 12 southwestern  
20.26 Minnesota high schools.

20.27 **(f) Standards-Based Dakota Indian Land**  
20.28 **Stewardship Education**

20.29 \$197,000 the second year is from the trust  
20.30 fund to the commissioner of natural resources  
20.31 for an agreement with Dakota Wicohan  
20.32 to enhance the capacity of approximately  
20.33 1,250 students to be stewards of the land in  
20.34 Minnesota by learning about Dakota Indian  
20.35 values and environmental principles through  
20.36 a standards-based experiential multimedia

21.1 curriculum. This appropriation is available  
21.2 until June 30, 2019, by which time the  
21.3 project must be completed and final products  
21.4 delivered.

21.5 **(g) Wolf Management Education in the**  
21.6 **Classroom - Phase II**

21.7 \$240,000 the second year is from the trust  
21.8 fund to the commissioner of natural resources  
21.9 for an agreement with the International  
21.10 Wolf Center to expand the Wolves at Our  
21.11 Door classroom education program to  
21.12 assist students in understanding wolves and  
21.13 associated management issues.

21.14 **(h) Master Water Steward Program Expansion**

21.15 \$116,000 the second year is from the trust  
21.16 fund to the commissioner of natural resources  
21.17 for an agreement with the Freshwater Society  
21.18 to train community volunteers as master  
21.19 water stewards who will work with  
21.20 neighborhoods to install water management  
21.21 projects that preserve and restore water  
21.22 quality. This appropriation is available until  
21.23 June 30, 2019, by which time the project must  
21.24 be completed and final products delivered.

21.25 **(i) Promoting Water Quality Stewardship**  
21.26 **through Student Mentoring and River**  
21.27 **Monitoring**

21.28 \$39,000 the second year is from the trust  
21.29 fund to the commissioner of natural resources  
21.30 for an agreement with Southwest Minnesota  
21.31 State University to partner with area schools  
21.32 to deliver inquiry-based, hands-on learning  
21.33 and mentoring on water quality stewardship  
21.34 between university agriculture students and  
21.35 high school and middle school students.

22.1 **(j) Wildlife Science Center**

22.2 \$500,000 the second year is from the trust  
 22.3 fund to the commissioner of natural resources  
 22.4 for an agreement with the Wildlife Science  
 22.5 Center to provide environmental education  
 22.6 programs using ambassador wild animals.

22.7 **Subd. 6. Aquatic and Terrestrial Invasive**  
 22.8 **Species**

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5,860,000

22.9 **(a) Minnesota Invasive Terrestrial Plants and**  
 22.10 **Pests Center - Phase III**

22.11 \$3,750,000 the second year is from the  
 22.12 trust fund to the Board of Regents of the  
 22.13 University of Minnesota for the Invasive  
 22.14 Terrestrial Plants and Pests Center to conduct  
 22.15 research to prevent, minimize, and mitigate  
 22.16 the threats and impacts posed by terrestrial  
 22.17 invasive plants, pathogens, and pests to  
 22.18 the state's prairies, forests, wetlands, and  
 22.19 agricultural resources. This appropriation  
 22.20 is available until June 30, 2023, by which  
 22.21 time the project must be completed and final  
 22.22 products delivered.

22.23 **(b) Developing Membrane Filtration System to**  
 22.24 **Treat Lake Superior Ballast Water**

22.25 \$151,000 the second year is from the trust  
 22.26 fund to the Board of Regents of the University  
 22.27 of Minnesota to develop a filtration system  
 22.28 utilizing bioactive membrane technologies  
 22.29 for use in treating Lake Superior ballast  
 22.30 water to remove at least 90 percent of  
 22.31 suspended pathogens, invasive species, and  
 22.32 contaminants. This appropriation is subject  
 22.33 to Minnesota Statutes, section 116P.10. This  
 22.34 appropriation is available until June 30,

23.1 2019, by which time the project must be  
23.2 completed and final products delivered.

23.3 **(c) Advancing Microbial Invasive Species**  
23.4 **Monitoring from Ballast Discharge**

23.5 \$368,000 the second year is from the  
23.6 trust fund to the Board of Regents of  
23.7 the University of Minnesota to identify  
23.8 bacteria in ship ballast water and St. Louis  
23.9 River estuary sediments, assess the risks  
23.10 posed by invasive bacteria, and evaluate  
23.11 treatment techniques for effectiveness at  
23.12 removing the bacteria from ballast water.

23.13 This appropriation is available until June  
23.14 30, 2019, by which time the project must be  
23.15 completed and final products delivered.

23.16 **(d) Biological Control of White Nose Syndrome**  
23.17 **in Bats - Phase II**

23.18 \$452,000 the second year is from the  
23.19 trust fund to the Board of Regents of the  
23.20 University of Minnesota to continue research  
23.21 to identify, develop, and optimize biocontrol  
23.22 agents for white nose syndrome in bats by  
23.23 evaluating the biocontrol effectiveness of  
23.24 microbes collected at additional hibernacula  
23.25 throughout the state and conducting baseline  
23.26 characterization of the total bat microbiomes.

23.27 This appropriation is available until June  
23.28 30, 2019, by which time the project must be  
23.29 completed and final products delivered.

23.30 **(e) Elimination of Target Invasive Plant Species**  
23.31 **- Phase II**

23.32 \$750,000 the second year is from the trust  
23.33 fund. Of this amount, \$511,000 is to the  
23.34 commissioner of agriculture and \$239,000  
23.35 is to the Board of Regents of the University  
23.36 of Minnesota to train volunteers and

24.1 professionals to find, control, and monitor  
 24.2 targeted newly emergent invasive plant  
 24.3 species. This appropriation is available until  
 24.4 June 30, 2019, by which time the project must  
 24.5 be completed and final products delivered.

24.6 **(f) Dutch Elm Disease Resistance - Phase II**

24.7 \$200,000 the second year is from the trust  
 24.8 fund to the Board of Regents of the University  
 24.9 of Minnesota to continue to identify and  
 24.10 evaluate native Minnesota elms that are  
 24.11 resistant to Dutch elm disease and begin  
 24.12 propagating disease-resistant specimens  
 24.13 for field trial testing. This appropriation  
 24.14 is available until June 30, 2019, by which  
 24.15 time the project must be completed and final  
 24.16 products delivered.

24.17 **(g) Invasive Carp Management Research in**  
 24.18 **Lake Nokomis Subwatershed**

24.19 \$189,000 the second year is from the  
 24.20 trust fund to the commissioner of natural  
 24.21 resources for an agreement with the  
 24.22 Minneapolis Park and Recreation Board to  
 24.23 apply current invasive carp management  
 24.24 research to the entire Lake Nokomis  
 24.25 subwatershed and provide demonstration  
 24.26 guidance for large-scale carp management.  
 24.27 This appropriation is available until June  
 24.28 30, 2020, by which time the project must be  
 24.29 completed and final products delivered.

24.30 **Subd. 7. Air Quality, Climate Change, and**  
 24.31 **Renewable Energy**

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2,290,000

24.32 **(a) Community Solar Garden Installation**

24.33 \$490,000 the second year is from the trust  
 24.34 fund to the commissioner of natural resources  
 24.35 for an agreement with Rural Renewable

25.1 Energy Alliance to install a 200-kilowatt  
25.2 community solar garden to provide for  
25.3 electrical distribution in Cass, Beltrami,  
25.4 Hubbard, and Itasca Counties, to assist  
25.5 households in the Minnesota low-income  
25.6 housing energy assistance program in  
25.7 meeting electrical energy needs and serve as  
25.8 a model for low-income energy assistance  
25.9 elsewhere in the state. This appropriation is  
25.10 not subject to Minnesota Statutes, section  
25.11 116P.10.

25.12 **(b) Waste Heat Recovery with Efficient**  
25.13 **Thermoelectric Energy Generators**

25.14 \$400,000 the second year is from the  
25.15 trust fund to the Board of Regents of  
25.16 the University of Minnesota to develop  
25.17 thermoelectric energy generators using  
25.18 advanced, high-performance materials able  
25.19 to more efficiently capture waste heat and  
25.20 transform the heat into electricity. This  
25.21 appropriation is subject to Minnesota  
25.22 Statutes, section 116P.10. This appropriation  
25.23 is available until June 30, 2019, by which  
25.24 time the project must be completed and final  
25.25 products delivered.

25.26 **(c) Hydrogen Fuel from Wind-Produced**  
25.27 **Renewable Ammonia**

25.28 \$400,000 the second year is from the trust  
25.29 fund to the Board of Regents of the University  
25.30 of Minnesota to develop a technical solution  
25.31 for converting wind-produced ammonia to  
25.32 hydrogen through catalytic decomposition,  
25.33 for use in reducing emissions from diesel  
25.34 engines and powering fuel cell vehicles.  
25.35 This appropriation is subject to Minnesota  
25.36 Statutes, section 116P.10. This appropriation

26.1 is available until June 30, 2019, by which  
 26.2 time the project must be completed and final  
 26.3 products delivered.

26.4 **(d) Utilization of Dairy Farm Wastewater for**  
 26.5 **Sustainable Production**

26.6 \$500,000 the second year is from the trust  
 26.7 fund to the Board of Regents of the University  
 26.8 of Minnesota for the West Central Research  
 26.9 and Outreach Center in Morris to develop and  
 26.10 evaluate an integrated system that recycles  
 26.11 and uses nutrients in dairy wastewater  
 26.12 from feedlots and milk processing, thereby  
 26.13 reducing nutrients from agricultural runoff,  
 26.14 and to provide outreach on adoption of new  
 26.15 technologies. This appropriation is subject  
 26.16 to Minnesota Statutes, section 116P.10. This  
 26.17 appropriation is available until June 30,  
 26.18 2019, by which time the project must be  
 26.19 completed and final products delivered.

26.20 **(e) Solar Energy Utilization for Minnesota**  
 26.21 **Swine Farms - Phase II**

26.22 \$500,000 the second year is from the trust  
 26.23 fund to the Board of Regents of the University  
 26.24 of Minnesota for the West Central Research  
 26.25 and Outreach Center in Morris to continue to  
 26.26 develop and evaluate the utilization of solar  
 26.27 photovoltaic systems at swine facilities to  
 26.28 improve energy and economic performance,  
 26.29 reduce fossil fuel usage and emissions, and  
 26.30 optimize water usage. This appropriation  
 26.31 is available until June 30, 2019, by which  
 26.32 time the project must be completed and final  
 26.33 products delivered.

26.34 **Subd. 8. Methods to Protect, Restore, and**  
 26.35 **Enhance Land, Water, and Habitat**

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8,929,000

27.1 **(a) Bee Pollinator Habitat Enhancement -**  
27.2 **Phase II**

27.3 \$387,000 the second year is from the trust  
27.4 fund to the Board of Regents of the University  
27.5 of Minnesota to continue assessment of the  
27.6 potential to supplement traditional turf grass  
27.7 by providing critical floral plant resources  
27.8 to enhance bee pollinator habitat. Plant  
27.9 materials and seeds must follow the Board of  
27.10 Water and Soil Resources' native vegetation  
27.11 establishment and enhancement guidelines.  
27.12 This appropriation is available until June  
27.13 30, 2019, by which time the project must be  
27.14 completed and final products delivered.

27.15 **(b) Measuring Pollen and Seed Dispersal for**  
27.16 **Prairie Fragment Connectivity**

27.17 \$556,000 the second year is from the  
27.18 trust fund to the Board of Regents of the  
27.19 University of Minnesota to determine  
27.20 habitat connectivity between prairie  
27.21 fragments by measuring plant movement  
27.22 by dispersal of pollen and seeds to improve  
27.23 prairie restoration implementation. This  
27.24 appropriation is available until June 30,  
27.25 2019, by which time the project must be  
27.26 completed and final products delivered.

27.27 **(c) Establishment of Permanent Habitat Strips**  
27.28 **Within Row Crops**

27.29 \$179,000 the second year is from the trust  
27.30 fund to the Science Museum of Minnesota  
27.31 for the St. Croix Watershed Research Station  
27.32 to research the viability of establishing  
27.33 prairie forbs and alfalfa as permanent cover  
27.34 strips in the bare soil between selected rows  
27.35 of corn and soybeans as potential pollinator,  
27.36 monarch, and gamebird habitat. Monitoring

28.1 of the native plant strips must evaluate the  
28.2 effects of pesticides from adjacent crops on  
28.3 pollinators, including determining whether  
28.4 there is a reduction of pollinators that results  
28.5 in reduced setting of seeds on the native  
28.6 plants. This appropriation is available until  
28.7 June 30, 2019, by which time the project must  
28.8 be completed and final products delivered.

28.9 **(d) Evaluate Prescribed Burning Techniques to**  
28.10 **Improve Habitat Management for Brushland**  
28.11 **Species**

28.12 \$267,000 the second year is from the trust  
28.13 fund to the Board of Regents of the University  
28.14 of Minnesota to compare the effects on  
28.15 brushland habitat of conducting prescribed  
28.16 burning in spring, summer, and fall to  
28.17 provide improved management guidelines  
28.18 for wildlife habitat. This appropriation is  
28.19 available until June 30, 2020, by which time  
28.20 the project must be completed and final  
28.21 products delivered.

28.22 **(e) Controlling Reed Canary Grass to**  
28.23 **Regenerate Floodplain Forest**

28.24 \$218,000 the second year is from the trust  
28.25 fund to the commissioner of natural resources  
28.26 for an agreement with the Minnesota state  
28.27 office of the National Audubon Society to  
28.28 determine the most effective regeneration  
28.29 methods for restoration of floodplain forests  
28.30 in southeast Minnesota impacted by invasive  
28.31 reed canary grass. This appropriation is  
28.32 available until June 30, 2019, by which time  
28.33 the project must be completed and final  
28.34 products delivered.

28.35 **(f) Forest Management for Mississippi River**  
28.36 **Drinking Water Protection**

29.1 \$300,000 the second year is from the trust  
29.2 fund to the commissioner of natural resources  
29.3 for an agreement with the Crow Wing Soil  
29.4 and Water Conservation District to pilot a  
29.5 water protection approach for the watershed  
29.6 through development of forest stewardship  
29.7 plans and targeted riparian forest restoration  
29.8 projects. Any expenditures from this  
29.9 appropriation spent on forest management  
29.10 plans or restoration must be for lands with  
29.11 a long-term contract commitment for forest  
29.12 conservation, and the restoration must follow  
29.13 the Board of Water and Soil Resources' native  
29.14 vegetation establishment and enhancement  
29.15 guidelines. This appropriation is available  
29.16 until June 30, 2019, by which time the  
29.17 project must be completed and final products  
29.18 delivered.

29.19 **(g) Upland, Wetland, and Shoreline Restoration**  
29.20 **in Greater Metropolitan Area**

29.21 \$509,000 the second year is from the  
29.22 trust fund to the commissioner of natural  
29.23 resources for an agreement with Great River  
29.24 Greening to restore approximately 150 acres  
29.25 of forest, prairie, woodland, and wetland  
29.26 and 0.15 miles of shoreline throughout  
29.27 the greater Twin Cities metropolitan area,  
29.28 using volunteers, and to conduct restoration  
29.29 evaluation on previously restored parcels. A  
29.30 list of proposed restorations and evaluations  
29.31 must be provided as part of the required work  
29.32 plan. Plant and seed materials must follow  
29.33 the Board of Water and Soil Resources' native  
29.34 vegetation establishment and enhancement  
29.35 guidelines. This appropriation is available  
29.36 until June 30, 2019, by which time the

30.1 project must be completed and final products  
30.2 delivered.

30.3 **(h) Bluffland Restoration and Monitoring in**  
30.4 **Winona**

30.5 \$99,000 the second year is from the trust fund  
30.6 to the Board of Trustees of the Minnesota  
30.7 State Colleges and Universities system  
30.8 for Winona State University to inventory,  
30.9 restore, and monitor the 40-acre Garvin  
30.10 Heights Natural Area in Winona and provide  
30.11 related public outreach and education. Plant  
30.12 and seed materials must follow the Board of  
30.13 Water and Soil Resources' native vegetation  
30.14 establishment and enhancement guidelines.  
30.15 This appropriation is available until June  
30.16 30, 2019, by which time the project must be  
30.17 completed and final products delivered.

30.18 **(i) Champlin Mill Pond Shoreland Restoration**

30.19 \$2,000,000 the second year is from the  
30.20 trust fund to the commissioner of natural  
30.21 resources for an agreement with the city  
30.22 of Champlin to restore the Champlin Mill  
30.23 Pond shoreline and adjacent habitat. Plant  
30.24 and seed materials must follow the Board of  
30.25 Water and Soil Resources' native vegetation  
30.26 establishment and enhancement guidelines.  
30.27 This appropriation is available until June  
30.28 30, 2019, by which time the project must be  
30.29 completed and final products delivered.

30.30 **(j) Reinvest In Minnesota (RIM)**

30.31 \$2,214,000 the second year is from the  
30.32 trust fund to the Board of Water and Soil  
30.33 Resources to acquire permanent conservation  
30.34 easements and restore wetlands and

31.1 associated upland habitat under Minnesota  
 31.2 Statutes, section 103F.515.

31.3 **(k) Pollinator Highway Demonstration Projects**

31.4 \$2,200,000 the second year is from the trust  
 31.5 fund to the commissioner of transportation  
 31.6 to restore and enhance wildlife habitat along  
 31.7 trunk highways, including: marked Interstate  
 31.8 Highway 35, one north and one south of  
 31.9 the metropolitan area; marked Interstate  
 31.10 Highway 90; and two locations along marked  
 31.11 Interstate Highway 94. This appropriation  
 31.12 is available until June 30, 2022, and must  
 31.13 include a five-year restoration process. This  
 31.14 appropriation is not subject to Minnesota  
 31.15 Statutes, sections 116P.05, subdivision 2,  
 31.16 paragraph (b), and 116P.09, subdivision 4.

31.17 **Subd. 9. Land Acquisition, Habitat, and**  
 31.18 **Recreation**

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6,565,000

31.19 **(a) Scientific and Natural Area Restoration**

31.20 \$1,386,000 the second year is from the trust  
 31.21 fund to the commissioner of natural resources  
 31.22 to restore and improve approximately 750  
 31.23 acres of scientific and natural areas. A list  
 31.24 of proposed restorations must be provided  
 31.25 as part of the required work plan. This  
 31.26 appropriation is available until June 30,  
 31.27 2019, by which time the project must be  
 31.28 completed and final products delivered.

31.29 **(b) Conservation Easements in Avon Hills -**  
 31.30 **Phase III**

31.31 \$1,300,000 the second year is from the  
 31.32 trust fund to the commissioner of natural  
 31.33 resources for an agreement with Saint John's  
 31.34 University in cooperation with Minnesota  
 31.35 Land Trust to secure permanent conservation

32.1 easements on approximately 500 acres  
32.2 of high-quality habitat in Stearns County,  
32.3 prepare conservation management plans, and  
32.4 provide public outreach. A list of proposed  
32.5 easement acquisitions must be provided as  
32.6 part of the required work plan. An entity  
32.7 that acquires a conservation easement with  
32.8 appropriations from the trust fund must have  
32.9 a long-term stewardship plan for the easement  
32.10 and a fund established for monitoring and  
32.11 enforcing the agreement. Funding for the  
32.12 long-term monitoring and enforcement  
32.13 fund must come from nonstate sources for  
32.14 easements acquired with this appropriation.  
32.15 The state may enforce requirements in the  
32.16 conservation easements on land acquired  
32.17 with this appropriation and the conservation  
32.18 easement document must state this authority  
32.19 and explicitly include requirements for  
32.20 water quality and quantity protection. This  
32.21 appropriation is available until June 30,  
32.22 2019, by which time the project must be  
32.23 completed and final products delivered.

32.24 **(c) Lincoln Pipestone Rural Water System**  
32.25 **Acquisition for Wellhead Protection**

32.26 \$1,500,000 the second year is from the  
32.27 trust fund to the commissioner of natural  
32.28 resources for an agreement with Lincoln  
32.29 Pipestone Rural Water to acquire and  
32.30 restore lands designated under an approved  
32.31 wellhead protection plan. Lands acquired  
32.32 with this appropriation must be from willing  
32.33 sellers and be identified by the Department  
32.34 of Health as targeted vulnerable lands for  
32.35 wellhead protection. Lands must be restored  
32.36 to permanent vegetative cover, but may be

33.1 used for recreation and renewable energy if  
33.2 adequate protection of the drinking water  
33.3 aquifer is provided. A list of proposed  
33.4 acquisitions must be provided as part of the  
33.5 required work plan. Plant and seed materials  
33.6 must follow the Board of Water and Soil  
33.7 Resources' native vegetation establishment  
33.8 and enhancement guidelines. Income  
33.9 derived from the lands acquired with funds  
33.10 appropriated under this paragraph is exempt  
33.11 from Minnesota Statutes, section 116P.10,  
33.12 if used for additional wellhead protection as  
33.13 provided under this paragraph until adequate  
33.14 wellhead protection has been achieved,  
33.15 as determined by the commissioner of  
33.16 health. Any income earned after that must  
33.17 be returned to the environment and natural  
33.18 resources trust fund. This appropriation  
33.19 is available until June 30, 2019, by which  
33.20 time the project must be completed and final  
33.21 products delivered.

33.22 **(d) Mesabi Trail Segment from Highway 135**  
33.23 **to Town of Embarrass**

33.24 \$1,200,000 the second year is from the trust  
33.25 fund to the commissioner of natural resources  
33.26 for an agreement with the St. Louis and Lake  
33.27 Counties Regional Railroad Authority for  
33.28 engineering and construction of segments of  
33.29 the Mesabi Trail, totaling approximately six  
33.30 miles between Highway 135 and the town of  
33.31 Embarrass. This appropriation is available  
33.32 until June 30, 2019, by which time the  
33.33 project must be completed and final products  
33.34 delivered.

33.35 **(e) Tower Historic Harbor Trail Connections**

34.1 \$679,000 the second year is from the trust  
 34.2 fund to the commissioner of natural resources  
 34.3 for an agreement with the city of Tower to  
 34.4 construct recreational trails along the harbor  
 34.5 in Tower and to connect to the Mesabi Trail.  
 34.6 This appropriation is available until June  
 34.7 30, 2019, by which time the project must be  
 34.8 completed and final products delivered.

34.9 **(f) Otter Tail River Recreational Trail**  
 34.10 **Acquisition**

34.11 \$500,000 the second year is from the trust  
 34.12 fund to the commissioner of natural resources  
 34.13 for an agreement with the city of Fergus Falls  
 34.14 to acquire approximately 16 acres along the  
 34.15 Otter Tail River for a recreational trail and  
 34.16 park. This appropriation is contingent on at  
 34.17 least an equal match of nonstate money. Prior  
 34.18 to the acquisition, a phase 1 environmental  
 34.19 assessment must be completed and the city  
 34.20 must not accept any liability for previous  
 34.21 contamination of lands acquired with this  
 34.22 appropriation.

34.23 **Subd. 10. Emerging Issues Account** -0- 164,000

34.24 \$164,000 the second year is from the  
 34.25 trust fund to an emerging issues account  
 34.26 authorized in Minnesota Statutes, section  
 34.27 116P.08, subdivision 4, paragraph (d).

34.28 **Subd. 11. Administration** -0- 210,000

34.29 **(a) Contract Agreement Reimbursement**

34.30 \$135,000 the second year is from  
 34.31 the trust fund to the commissioner of  
 34.32 natural resources, at the direction of  
 34.33 the Legislative-Citizen Commission on  
 34.34 Minnesota Resources, for expenses incurred  
 34.35 for contract agreement reimbursement for

35.1 the agreements specified in this section. The  
35.2 commissioner shall provide documentation  
35.3 to the Legislative-Citizen Commission on  
35.4 Minnesota Resources on the expenditure of  
35.5 these funds.

35.6 **(b) Grants Management System**

35.7 \$75,000 the second year is from the trust  
35.8 fund to the Legislative-Citizen Commission  
35.9 on Minnesota Resources for upgrading and  
35.10 modernizing a project records management  
35.11 system.

35.12 **Subd. 12. Availability of Appropriations**

35.13 Money appropriated in this section may  
35.14 not be spent on activities unless they are  
35.15 directly related to and necessary for a specific  
35.16 appropriation and are specified in the work  
35.17 plan approved by the Legislative-Citizen  
35.18 Commission on Minnesota Resources.

35.19 Money appropriated in this section must  
35.20 not be spent on indirect costs or other  
35.21 institutional overhead charges that are  
35.22 not directly related to and necessary for a  
35.23 specific appropriation. Costs that are directly  
35.24 related to and necessary for an appropriation,  
35.25 including financial services, human  
35.26 resources, information services, rent, and  
35.27 utilities, are eligible only if the costs can be  
35.28 clearly justified and individually documented  
35.29 specific to the appropriation's purpose and  
35.30 would not be generated by the recipient  
35.31 but for the receipt of the appropriation. No  
35.32 broad allocations for costs in either dollars or  
35.33 percentages are allowed. Unless otherwise  
35.34 provided, the amounts in this section are  
35.35 available until June 30, 2018, when projects

36.1 must be completed and final products  
36.2 delivered. For acquisition of real property,  
36.3 the appropriations in this section are available  
36.4 for an additional fiscal year if a binding  
36.5 contract for acquisition of the real property is  
36.6 entered into before the expiration date of the  
36.7 appropriation. If a project receives a federal  
36.8 grant, the time period of the appropriation is  
36.9 extended to equal the federal grant period.

36.10 **Subd. 13. Data Availability Requirements**

36.11 Data collected by the projects funded under  
36.12 this section must conform to guidelines  
36.13 and standards adopted by MN.IT Services.  
36.14 Spatial data also must conform to additional  
36.15 guidelines and standards designed to support  
36.16 data coordination and distribution that have  
36.17 been published by the Minnesota Geospatial  
36.18 Information Office. Descriptions of spatial  
36.19 data must be prepared as specified in  
36.20 the state's geographic metadata guideline  
36.21 and must be submitted to the Minnesota  
36.22 Geospatial Information Office. All data must  
36.23 be accessible and free to the public unless  
36.24 made private under the Data Practices Act,  
36.25 Minnesota Statutes, chapter 13. To the extent  
36.26 practicable, summary data and results of  
36.27 projects funded under this section should  
36.28 be readily accessible on the Internet and  
36.29 identified as having received funding from  
36.30 the environment and natural resources trust  
36.31 fund.

36.32 **Subd. 14. Project Requirements**

36.33 (a) As a condition of accepting an  
36.34 appropriation under this section, an agency  
36.35 or entity receiving an appropriation or a

37.1 party to an agreement from an appropriation  
37.2 must comply with paragraphs (b) to (l)  
37.3 and Minnesota Statutes, chapter 116P, and  
37.4 must submit a work plan and semiannual  
37.5 progress reports in the form determined  
37.6 by the Legislative-Citizen Commission on  
37.7 Minnesota Resources for any project funded  
37.8 in whole or in part with funds from the  
37.9 appropriation. Modifications to the approved  
37.10 work plan and budget expenditures must  
37.11 be made through the amendment process  
37.12 established by the Legislative-Citizen  
37.13 Commission on Minnesota Resources.

37.14 (b) A recipient of money appropriated in  
37.15 this section that conducts a restoration using  
37.16 funds appropriated in this section must use  
37.17 native plant species according to the Board of  
37.18 Water and Soil Resources' native vegetation  
37.19 establishment and enhancement guidelines  
37.20 and include an appropriate diversity of  
37.21 native species selected to provide habitat for  
37.22 pollinators throughout the growing season as  
37.23 required under Minnesota Statutes, section  
37.24 84.973.

37.25 (c) For all restorations conducted with money  
37.26 appropriated under this section, a recipient  
37.27 must prepare an ecological restoration  
37.28 and management plan that, to the degree  
37.29 practicable, is consistent with the highest  
37.30 quality conservation and ecological goals for  
37.31 the restoration site. Consideration should  
37.32 be given to soil, geology, topography, and  
37.33 other relevant factors that would provide  
37.34 the best chance for long-term success and  
37.35 durability of the restoration project. The  
37.36 plan must include the proposed timetable

38.1 for implementing the restoration, including  
38.2 site preparation, establishment of diverse  
38.3 plant species, maintenance, and additional  
38.4 enhancement to establish the restoration;  
38.5 identify long-term maintenance and  
38.6 management needs of the restoration and  
38.7 how the maintenance, management, and  
38.8 enhancement will be financed; and take  
38.9 advantage of the best available science and  
38.10 include innovative techniques to achieve the  
38.11 best restoration.

38.12 (d) An entity receiving an appropriation in  
38.13 this section for restoration activities must  
38.14 provide an initial restoration evaluation  
38.15 at the completion of the appropriation  
38.16 and an evaluation three years beyond the  
38.17 completion of the expenditure. Restorations  
38.18 must be evaluated relative to the stated  
38.19 goals and standards in the restoration plan,  
38.20 current science, and, when applicable, the  
38.21 Board of Water and Soil Resources' native  
38.22 vegetation establishment and enhancement  
38.23 guidelines. The evaluation must determine  
38.24 whether the restorations are meeting planned  
38.25 goals, identify any problems with the  
38.26 implementation of the restorations, and,  
38.27 if necessary, give recommendations on  
38.28 improving restorations. The evaluation must  
38.29 be focused on improving future restorations.

38.30 (e) All restoration and enhancement projects  
38.31 funded with money appropriated in this  
38.32 section must be on land permanently  
38.33 protected by a conservation easement or  
38.34 public ownership.

39.1 (f) A recipient of money from an  
39.2 appropriation under this section must  
39.3 give consideration to contracting with  
39.4 Conservation Corps Minnesota for contract  
39.5 restoration and enhancement services.

39.6 (g) All conservation easements acquired with  
39.7 money appropriated under this section must:

39.8 (1) be permanent;

39.9 (2) specify the parties to an easement in the  
39.10 easement;

39.11 (3) specify all of the provisions of an  
39.12 agreement that are permanent;

39.13 (4) be sent to the Legislative-Citizen  
39.14 Commission on Minnesota Resources in an  
39.15 electronic format at least ten business days  
39.16 prior to closing;

39.17 (5) include a long-term monitoring and  
39.18 enforcement plan and funding for monitoring  
39.19 and enforcing the easement agreement; and

39.20 (6) include requirements in the easement  
39.21 document to address specific groundwater  
39.22 and surface water quality protection activities  
39.23 such as keeping water on the landscape,  
39.24 reducing nutrient and contaminant loading,  
39.25 protecting groundwater, and not permitting  
39.26 artificial hydrological modifications.

39.27 (h) For any acquisition of lands or interest  
39.28 in lands, a recipient of money appropriated  
39.29 under this section must not agree to pay  
39.30 more than 100 percent of the appraised value  
39.31 for a parcel of land using this money to  
39.32 complete the purchase, in part or in whole,  
39.33 except that up to ten percent above the  
39.34 appraised value may be allowed to complete

40.1 the purchase, in part or in whole, using this  
40.2 money if permission is received in advance  
40.3 of the purchase from the Legislative-Citizen  
40.4 Commission on Minnesota Resources.

40.5 (i) For any acquisition of land or interest in  
40.6 land, a recipient of money appropriated under  
40.7 this section must give priority to high-quality  
40.8 natural resources or conservation lands that  
40.9 provide natural buffers to water resources.

40.10 (j) For new lands acquired with money  
40.11 appropriated under this section, a recipient  
40.12 must prepare an ecological restoration  
40.13 and management plan in compliance with  
40.14 paragraph (c), including sufficient funding  
40.15 for implementation unless the work plan  
40.16 addresses why a portion of the money is  
40.17 not necessary to achieve a high-quality  
40.18 restoration.

40.19 (k) To ensure public accountability for  
40.20 the use of public funds, within 60 days  
40.21 of the transaction, a recipient of money  
40.22 appropriated under this section must provide  
40.23 to the Legislative-Citizen Commission on  
40.24 Minnesota Resources documentation of the  
40.25 selection process used to identify parcels  
40.26 acquired and provide documentation of all  
40.27 related transaction costs, including but not  
40.28 limited to appraisals, legal fees, recording  
40.29 fees, commissions, other similar costs,  
40.30 and donations. This information must be  
40.31 provided for all parties involved in the  
40.32 transaction. The recipient must also report  
40.33 to the Legislative-Citizen Commission on  
40.34 Minnesota Resources any difference between  
40.35 the acquisition amount paid to the seller and

41.1 the state-certified or state-reviewed appraisal,  
41.2 if a state-certified or state-reviewed appraisal  
41.3 was conducted.

41.4 (l) A recipient of an appropriation from  
41.5 the trust fund under this section must  
41.6 acknowledge financial support from  
41.7 the Minnesota environment and natural  
41.8 resources trust fund in project publications,  
41.9 signage, and other public communications  
41.10 and outreach related to work completed  
41.11 using the appropriation. Acknowledgment  
41.12 may occur, as appropriate, through use of  
41.13 the trust fund logo or inclusion of language  
41.14 attributing support from the trust fund. Each  
41.15 direct recipient of money appropriated in  
41.16 this section, as well as each recipient of a  
41.17 grant awarded pursuant to this section, must  
41.18 satisfy all reporting and other requirements  
41.19 incumbent upon constitutionally dedicated  
41.20 funding recipients as provided in Minnesota  
41.21 Statutes, section 3.303, subdivision 10, and  
41.22 chapter 116P.

41.23 **Subd. 15. Payment Conditions and Capital**  
41.24 **Equipment Expenditures**

41.25 (a) All agreements, grants, or contracts  
41.26 referred to in this section must be  
41.27 administered on a reimbursement basis  
41.28 unless otherwise provided in this section.  
41.29 Notwithstanding Minnesota Statutes, section  
41.30 16A.41, expenditures made on or after  
41.31 July 1, 2016, or the date the work plan is  
41.32 approved, whichever is later, are eligible for  
41.33 reimbursement unless otherwise provided  
41.34 in this section. Periodic payment must be  
41.35 made upon receiving documentation that  
41.36 the deliverable items articulated in the

42.1 approved work plan have been achieved,  
42.2 including partial achievements as evidenced  
42.3 by approved progress reports. Reasonable  
42.4 amounts may be advanced to projects to  
42.5 accommodate cash flow needs or match  
42.6 federal money. The advances must be  
42.7 approved as part of the work plan. No  
42.8 expenditures for capital equipment are  
42.9 allowed unless expressly authorized in the  
42.10 project work plan.

42.11 (b) Single-source contracts as specified in the  
42.12 approved work plan are allowed.

42.13 **Subd. 16. Purchase of Recycled and Recyclable**  
42.14 **Materials**

42.15 A political subdivision, public or private  
42.16 corporation, or other entity that receives an  
42.17 appropriation under this section must use the  
42.18 appropriation in compliance with Minnesota  
42.19 Statutes, section 16C.0725, regarding  
42.20 purchase of recycled, repairable, and durable  
42.21 materials; and Minnesota Statutes, section  
42.22 16C.073, regarding purchase and use of  
42.23 paper stock and printing.

42.24 **Subd. 17. Energy Conservation and**  
42.25 **Sustainable Building Guidelines**

42.26 A recipient to whom an appropriation is made  
42.27 under this section for a capital improvement  
42.28 project must ensure that the project complies  
42.29 with the applicable energy conservation and  
42.30 sustainable building guidelines and standards  
42.31 contained in law, including Minnesota  
42.32 Statutes, sections 16B.325, 216C.19, and  
42.33 216C.20, and rules adopted under those  
42.34 sections. The recipient may use the energy  
42.35 planning, advocacy, and State Energy Office  
42.36 units of the Department of Commerce to

43.1 obtain information and technical assistance  
43.2 on energy conservation and alternative  
43.3 energy development relating to the planning  
43.4 and construction of the capital improvement  
43.5 project.

43.6 Subd. 18. **Accessibility**

43.7 Structural and nonstructural facilities must  
43.8 meet the design standards in the Americans  
43.9 with Disabilities Act (ADA) accessibility  
43.10 guidelines.

43.11 Subd. 19. **Carryforward; Extension**

43.12 The availability of the appropriations for the  
43.13 following projects are extended to June 30,  
43.14 2017:

43.15 (a) Laws 2013, chapter 52, section 2,  
43.16 subdivision 3, paragraph (c), County  
43.17 Geologic Atlases - Part B;

43.18 (b) Laws 2013, chapter 52, section 2,  
43.19 subdivision 4, paragraph (d), Metropolitan  
43.20 Conservation Corridors (MeCC) - Phase  
43.21 VII, \$400,000 for the agreement with the  
43.22 Minnesota Valley National Wildlife Refuge  
43.23 Trust, Inc. only;

43.24 (c) Laws 2013, chapter 52, section 2,  
43.25 subdivision 4, paragraph (i), Conservation  
43.26 Grazing to Improve Wildlife Habitat on  
43.27 Wildlife Management Areas;

43.28 (d) Laws 2013, chapter 52, section 2,  
43.29 subdivision 5, paragraph (b), Assessment of  
43.30 Natural Copper-Nickel Bedrocks on Water  
43.31 Quality;

43.32 (e) Laws 2013, chapter 52, section 2,  
43.33 subdivision 5, paragraph (f), Evaluation of  
43.34 Lake Superior Water Quality Health;

- 44.1 (f) Laws 2013, chapter 52, section 2,  
 44.2 subdivision 6, paragraph (c), Improving  
 44.3 Emerald Ash Borer Detection Efficacy for  
 44.4 Control;
- 44.5 (g) Laws 2014, chapter 226, section 2,  
 44.6 subdivision 3, paragraph (l), Rainwater  
 44.7 Reuse and Valuation Investigation;
- 44.8 (h) Laws 2014, chapter 226, section  
 44.9 2, subdivision 10, paragraph (c),  
 44.10 Legislative-Citizen Commission on  
 44.11 Minnesota Resources (LCCMR) for upgrade  
 44.12 and modernization of a project records  
 44.13 management system; and
- 44.14 (i) Laws 2014, chapter 226, section 2,  
 44.15 subdivision 8, paragraph (b), Innovative  
 44.16 Groundwater-Enhanced Geothermal Heat  
 44.17 Pump Study.

44.18 Sec. 3. Minnesota Statutes 2014, section 116P.05, subdivision 1, is amended to read:

44.19 Subdivision 1. **Membership.** (a) A Legislative-Citizen Commission on Minnesota  
 44.20 Resources of 17 members is created in the legislative branch, consisting of the chairs  
 44.21 of the house of representatives and senate committees on environment and natural  
 44.22 resources finance or designees appointed for the terms of the chairs, four members of the  
 44.23 senate appointed by the Subcommittee on Committees of the Committee on Rules and  
 44.24 Administration, and four members of the house of representatives appointed by the speaker.

44.25 At least two members from the senate and two members from the house of  
 44.26 representatives must be from the minority caucus. Members are entitled to reimbursement  
 44.27 for per diem expenses plus travel expenses incurred in the services of the commission.

44.28 Seven citizens are members of the commission, five appointed by the governor, one  
 44.29 appointed by the Senate Subcommittee on Committees of the Committee on Rules and  
 44.30 Administration, and one appointed by the speaker of the house. The citizen members  
 44.31 are selected and recommended to the appointing authorities according to subdivision  
 44.32 1a and must:

45.1 (1) have experience or expertise in the science, policy, or practice of the protection,  
45.2 conservation, preservation, and enhancement of the state's air, water, land, fish, wildlife,  
45.3 and other natural resources;

45.4 (2) have strong knowledge in the state's environment and natural resource issues  
45.5 around the state; and

45.6 (3) have demonstrated ability to work in a collaborative environment.

45.7 (b) Members shall develop procedures to elect a chair that rotates between legislative  
45.8 and citizen members each meeting. A citizen member, a senate member, and a house of  
45.9 representatives member shall serve as chairs. The citizen members, senate members, and  
45.10 house of representatives members must select their respective chairs. The chair shall  
45.11 preside and convene meetings as often as necessary to conduct duties prescribed by this  
45.12 chapter.

45.13 (c) Appointed legislative members shall serve on the commission for two-year  
45.14 terms, beginning in January of each odd-numbered year and continuing through the end  
45.15 of December of the next even-numbered year. Appointed citizen members shall serve  
45.16 four-year terms, beginning in January of the first year and continuing through the end  
45.17 of December of the final year. Citizen and legislative members continue to serve until  
45.18 their successors are appointed.

45.19 (d) A citizen member may be removed by an appointing authority for cause.  
45.20 Vacancies occurring on the commission shall not affect the authority of the remaining  
45.21 members of the commission to carry out their duties, and vacancies shall be filled for the  
45.22 remainder of the term in the same manner under paragraph (a).

45.23 ~~(e) Citizen members shall be initially appointed according to the following schedule~~  
45.24 ~~of terms:~~

45.25 ~~(1) two members appointed by the governor for a term ending the first Monday in~~  
45.26 ~~January 2010;~~

45.27 ~~(2) one member appointed by the senate Subcommittee on Committees of the~~  
45.28 ~~Committee on Rules and Administration for a term ending the first Monday in January~~  
45.29 ~~2010 and one member appointed by the speaker of the house for a term ending the first~~  
45.30 ~~Monday in January 2010;~~

45.31 ~~(3) two members appointed by the governor for a term ending the first Monday in~~  
45.32 ~~January 2009; and~~

45.33 ~~(4) one member appointed by the governor for a term ending the first Monday in~~  
45.34 ~~January 2008.~~

45.35 ~~(f)~~ (e) Citizen members are entitled to per diem and reimbursement for expenses  
45.36 incurred in the services of the commission, as provided in section 15.059, subdivision 3.

46.1           ~~(g)~~ (f) The governor's appointments are subject to the advice and consent of the senate.

46.2           Sec. 4. Minnesota Statutes 2015 Supplement, section 116P.05, subdivision 2, is  
46.3 amended to read:

46.4           Subd. 2. **Duties.** (a) The commission shall recommend an annual or biennial  
46.5 legislative bill for appropriations from the environment and natural resources trust  
46.6 fund and shall adopt a strategic plan as provided in section 116P.08. Approval of the  
46.7 recommended legislative bill requires an affirmative vote of at least 12 members of the  
46.8 commission. When selecting projects or programs for recommendation to the legislature,  
46.9 the commission must give priority to large-scale, on-the-ground projects and programs  
46.10 that provide tangible results.

46.11           (b) It is a condition of acceptance of the appropriations made from the Minnesota  
46.12 environment and natural resources trust fund, and oil overcharge money under section  
46.13 4.071, subdivision 2, that the agency or entity receiving the appropriation must  
46.14 submit a work plan and semiannual progress reports in the form determined by the  
46.15 Legislative-Citizen Commission on Minnesota Resources, and comply with applicable  
46.16 reporting requirements under section 116P.16. None of the money provided may be  
46.17 spent unless the commission has approved the pertinent work plan. Modifications to  
46.18 the approved work plan and budget expenditures shall be made through the amendment  
46.19 process established by the commission. The commission shall ensure that the expenditures  
46.20 and outcomes described in the work plan for appropriations funded by the environment  
46.21 and natural resources trust fund are met.

46.22           (c) The peer review procedures created under section 116P.08 must also be used to  
46.23 review, comment, and report to the commission on research proposals applying for an  
46.24 appropriation from the oil overcharge money under section 4.071, subdivision 2.

46.25           (d) The commission may adopt operating procedures to fulfill its duties under this  
46.26 chapter.

46.27           (e) As part of the operating procedures, the commission shall:

46.28           (1) ensure that members' expectations are to participate in all meetings related to  
46.29 funding decision recommendations;

46.30           (2) recommend adequate funding for increased citizen outreach and communications  
46.31 for trust fund expenditure planning;

46.32           (3) allow administrative expenses as part of individual project expenditures based  
46.33 on need;

46.34           (4) provide for project outcome evaluation;

47.1 (5) keep the grant application, administration, and review process as simple as  
47.2 possible; and

47.3 (6) define and emphasize the leveraging of additional sources of money that project  
47.4 proposers should consider when making trust fund proposals.

47.5 Sec. 5. Minnesota Statutes 2014, section 116P.08, subdivision 4, is amended to read:

47.6 Subd. 4. **Legislative recommendations.** (a) Funding may be provided only for  
47.7 those projects that meet the categories established in subdivision 1.

47.8 (b) The commission must recommend an annual or biennial legislative bill to  
47.9 make appropriations from the trust fund for the purposes provided in subdivision 1. The  
47.10 recommendations must be submitted to the governor for inclusion in the biennial budget  
47.11 and supplemental budget submitted to the legislature.

47.12 (c) The commission may recommend regional block grants for a portion of trust  
47.13 fund expenditures to partner with existing regional organizations that have strong citizen  
47.14 involvement, to address unique local needs and capacity, and to leverage all available  
47.15 funding sources for projects.

47.16 (d) The commission may recommend the establishment of an emerging issues  
47.17 account in its legislative bill for funding projects or programs addressing emerging issues  
47.18 requiring urgency, which come up unexpectedly, but which still adhere to the commission's  
47.19 strategic plan, to be approved by the governor after initiation and recommendation by the  
47.20 commission. Projects or programs funded from the emerging issues account must not be  
47.21 projects or programs being considered by the commission for its next legislative bill,  
47.22 unless the project or program receives funding from the emerging issues account sufficient  
47.23 to complete the project or program or otherwise provide measurable outcomes without  
47.24 the need for additional funding.

47.25 (e) Money in the trust fund may not be spent except under an appropriation by law.

47.26 Sec. 6. Minnesota Statutes 2015 Supplement, section 116P.08, subdivision 5, is  
47.27 amended to read:

47.28 Subd. 5. **Public meetings.** (a) Meetings of the commission, committees or  
47.29 subcommittees of the commission, technical advisory committees, and peer reviewers  
47.30 must be open to the public and are subject to chapter 13D. The commission shall attempt  
47.31 to meet throughout various regions of the state during each biennium. For purposes of  
47.32 this subdivision, a meeting occurs when a quorum is present and action is taken regarding  
47.33 a matter within the jurisdiction of the commission, a committee or subcommittee of the  
47.34 commission, a technical advisory committee, or peer reviewers.

48.1 (b) For legislative members of the commission, enforcement of this subdivision is  
48.2 governed by section 3.055, subdivision 2. For nonlegislative members of the commission,  
48.3 enforcement of this subdivision is governed by section 13D.06, subdivisions 1 and 2.

48.4 Sec. 7. **[116P.19] DONATIONS.**

48.5 A recipient of money from the trust fund must not accept a monetary donation  
48.6 or payment from an owner of land that is acquired in fee in whole or in part with  
48.7 an appropriation from the trust fund that exceeds the documented expenses that are  
48.8 directly related to and necessary for activities specified in the work plan approved by the  
48.9 commission, unless expressly approved by the commission in the work plan. This section  
48.10 does not apply to:

- 48.11 (1) donations that are not connected with the acquisition transaction; or  
48.12 (2) bargain sales, as defined by Code of Federal Regulations, title 26, section  
48.13 1.1011-2, provided that the purchase price reimbursed by the state does not exceed the  
48.14 purchase price paid by the recipient.

48.15 Sec. 8. **[116P.20] EASEMENT MONITORING AND ENFORCEMENT**  
48.16 **REQUIREMENTS.**

48.17 A recipient of money appropriated from the trust fund for easement monitoring and  
48.18 enforcement may spend the money only on activities included in an easement monitoring  
48.19 and enforcement plan contained within the work plan. Money received for monitoring  
48.20 and enforcement, including earnings on the money received, must be kept in a monitoring  
48.21 and enforcement fund held by the recipient and dedicated to monitoring and enforcing  
48.22 conservation easements in Minnesota. A recipient of an appropriation for easement  
48.23 monitoring and enforcement must, within 120 days after the close of the recipient's  
48.24 fiscal year, provide an annual financial report to the commission or the commission's  
48.25 successor on the easement monitoring and enforcement fund as specified in the work plan.  
48.26 Money appropriated from the trust fund for monitoring and enforcement of easements and  
48.27 earnings on the money appropriated revert to the state if:

- 48.28 (1) the easement transfers to the state;  
48.29 (2) the recipient fails to file an annual financial report and then fails to cure the  
48.30 default within 30 days of notification of the default by the state; or  
48.31 (3) the recipient fails to comply with the terms of the monitoring and enforcement  
48.32 plan contained within the work plan and fails to cure the default within 90 days of  
48.33 notification of the default by the state.

49.1 Sec. 9. Minnesota Statutes 2014, section 137.025, is amended by adding a subdivision  
49.2 to read:

49.3 Subd. 2a. Appropriations from Minnesota environment and natural resources  
49.4 trust fund. (a) The commissioner of management and budget shall pay no money to  
49.5 the University of Minnesota pursuant to a direct appropriation from the Minnesota  
49.6 environment and natural resources trust fund until the University of Minnesota requests  
49.7 reimbursement for expenditures related to the direct appropriation. The reimbursement  
49.8 request shall specify expenditures by appropriation. The commissioner of management  
49.9 and budget shall reimburse the University of Minnesota by the 25th day of the month  
49.10 following the reimbursement request. If the 25th day of the month falls on a Saturday,  
49.11 Sunday, or holiday, the payment must be made by the first business day immediately  
49.12 following the 25th day of the month.

49.13 (b) For each year the appropriation is available, the University of Minnesota must  
49.14 submit an encumbrance request to the commissioner of management and budget by  
49.15 July 31 for the prior fiscal year. The encumbrance request shall identify the amount the  
49.16 university anticipates it will request for reimbursement for expenses in the prior fiscal  
49.17 year by appropriation. The commissioner of management and budget shall maintain  
49.18 this amount as an encumbrance at the state level until the university submits its final  
49.19 reimbursement request for that fiscal year.

49.20 (c) Final requests for reimbursement must be made within 90 days from the last day  
49.21 the appropriation is available to reimburse expenditures.