

This Document can be made available in alternative formats upon request

State of Minnesota HOUSE OF REPRESENTATIVES

EIGHTY-NINTH SESSION

H. F. No. 390

01/26/2015 Authored by Torkelson, Wagenius, Lillie and Persell

The bill was read for the first time and referred to the Committee on Environment and Natural Resources Policy and Finance

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; amending Minnesota Statutes 2014, sections 116P.05,
1.5 subdivision 2; 116P.08, subdivisions 5, 6, 7; 116P.09, subdivisions 6, 8.

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

1.7 Section 1. APPROPRIATIONS.

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

Table with 2 columns: 2016, 2017. Header: APPROPRIATIONS Available for the Year Ending June 30

1.19 Sec. 2. MINNESOTA RESOURCES.

1.20 Subdivision 1. Total Appropriation \$ 46,383,000 \$ -0-

Table with 2 columns: 2016, 2017. Header: Appropriations by Fund

2.1	<u>Environment and</u>		
2.2	<u>natural resources</u>		
2.3	<u>trust fund</u>	<u>46,324,000</u>	<u>-0-</u>
2.4	<u>Great Lakes</u>		
2.5	<u>protection account</u>	<u>59,000</u>	<u>-0-</u>

2.6 The amounts that may be spent for each
 2.7 purpose are specified in the following
 2.8 subdivisions.

2.9 Appropriations are available for two
 2.10 years beginning July 1, 2015, unless
 2.11 otherwise stated in the appropriation. Any
 2.12 unencumbered balance remaining in the
 2.13 first year does not cancel and is available
 2.14 for the second year or until the end of the
 2.15 appropriation.

2.16 **Subd. 2. Definition**

2.17 "Trust fund" means the Minnesota
 2.18 environment and natural resources trust fund
 2.19 referred to in Minnesota Statutes, section
 2.20 116P.02, subdivision 6.

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

12,932,000

-0-

2.23 **(a) County Geologic Atlases - Part A**

2.24 \$2,040,000 the first year is from the trust fund
 2.25 to the Board of Regents of the University
 2.26 of Minnesota for the Minnesota Geological
 2.27 Survey to continue acceleration of the
 2.28 production of county geologic atlases for
 2.29 the purpose of sustainable management of
 2.30 surface water and groundwater resources.

2.31 This appropriation is to complete Part A of
 2.32 county geologic atlases, which focuses on the
 2.33 properties and distribution of earth materials
 2.34 in order to define aquifer boundaries and the
 2.35 connection of aquifers to the land surface and
 2.36 surface water resources. This appropriation

3.1 is available until June 30, 2018, by which
3.2 time the project must be completed and final
3.3 products delivered.

3.4 **(b) County Geologic Atlases - Part B**

3.5 \$2,000,000 the first year is from the trust
3.6 fund to the commissioner of natural resources
3.7 to continue acceleration of the production of
3.8 county geologic atlases for the purpose of
3.9 sustainable management of surface water and
3.10 groundwater resources. This appropriation
3.11 is to complete Part B of county geologic
3.12 atlases, which focuses on the properties
3.13 and distribution of subsurface water found
3.14 within geologic formations mapped in Part
3.15 A in order to characterize the potential
3.16 yield of aquifers and their sensitivity
3.17 to contamination. This appropriation is
3.18 available until June 30, 2018, by which time
3.19 the project must be completed and final
3.20 products delivered.

3.21 **(c) Minnesota Biological Survey**

3.22 \$2,450,000 the first year is from the
3.23 trust fund to the commissioner of natural
3.24 resources for continuation of the Minnesota
3.25 biological survey to provide a foundation
3.26 for conserving biological diversity by
3.27 systematically collecting, interpreting,
3.28 monitoring, and delivering data on plant and
3.29 animal distribution and ecology, native plant
3.30 communities, and functional landscapes.
3.31 Expenses are limited to those specified in
3.32 the required work plan and approved by
3.33 the Legislative-Citizen Commission on
3.34 Minnesota Resources.

4.1 **(d) Minnesota Biodiversity Atlas for**
4.2 **Enhanced Natural Resource Management**
4.3 \$340,000 the first year is from the trust fund
4.4 to the Board of Regents of the University of
4.5 Minnesota for the Bell Museum of Natural
4.6 History to create a publicly accessible, online
4.7 tool and repository that will electronically
4.8 integrate over 600,000 existing biodiversity
4.9 records, 300,000 existing images, and future
4.10 data and associated imagery pertaining to
4.11 Minnesota wildlife, plant, and fungi species
4.12 in order to enhance research, guide field
4.13 surveys, and inform conservation planning.
4.14 This appropriation is available until June
4.15 30, 2018, by which time the project must be
4.16 completed and final products delivered.

4.17 **(e) Updating the National Wetland**
4.18 **Inventory for Minnesota - Phase V**
4.19 \$1,500,000 the first year is from the
4.20 trust fund to the commissioner of natural
4.21 resources to continue to update and enhance
4.22 wetland inventory maps for Minnesota. This
4.23 appropriation is available until June 30,
4.24 2018, by which time the project must be
4.25 completed and final products delivered.

4.26 **(f) Creating a Statewide Wetland Bird**
4.27 **Monitoring Program**
4.28 \$146,000 the first year is from the trust fund
4.29 to the commissioner of natural resources for
4.30 an agreement with Audubon Minnesota to
4.31 develop a statewide wetland bird monitoring
4.32 program to enable long-term monitoring of
4.33 the status of wetland birds and the health of
4.34 their wetland habitats. This appropriation
4.35 is available until June 30, 2018, by which

5.1 time the project must be completed and final
 5.2 products delivered.

5.3 **(g) Minnesota Native Bee Atlas**

5.4 \$790,000 the first year is from the trust
 5.5 fund to the Board of Regents of the
 5.6 University of Minnesota to supplement
 5.7 and enhance existing bee survey efforts by
 5.8 engaging citizens in helping to document the
 5.9 distribution and phenology of wild Minnesota
 5.10 bees and integrating data from all related
 5.11 bee survey efforts into a single publicly
 5.12 accessible, online tool and repository. This
 5.13 appropriation is available until June 30,
 5.14 2019, by which time the project must be
 5.15 completed and final products delivered.

5.16 **(h) Reintroduction and Interpretation of**
 5.17 **Bison in Minnesota State Parks**

5.18 \$600,000 the first year is from the trust fund
 5.19 to the commissioner of natural resources to
 5.20 preserve American bison by reintroducing
 5.21 bison to Minneopa State Park and provide
 5.22 interpretive learning opportunities at Blue
 5.23 Mounds and Minneopa State Parks. This
 5.24 appropriation is available until June 30,
 5.25 2018, by which time the project must be
 5.26 completed and final products delivered.

5.27 **(i) Endangered Bats, White-Nose**
 5.28 **Syndrome, and Forest Habitat**

5.29 \$1,250,000 the first year is from the trust fund
 5.30 to the commissioner of natural resources in
 5.31 cooperation with the University of Minnesota
 5.32 and the United States Forest Service to
 5.33 survey and radio-track endangered bats to
 5.34 define and understand summer forest habitat
 5.35 use in order to minimize forestry impacts

6.1 and mitigate white-nose syndrome disease
6.2 impacts. This appropriation is available until
6.3 June 30, 2018, by which time the project must
6.4 be completed and final products delivered.

6.5 **(j) Assessing Contaminants in Minnesota**
6.6 **Loons and Pelicans - Phase III**

6.7 \$141,000 the first year is from the trust fund
6.8 to the commissioner of natural resources
6.9 to continue to assess the potential impact
6.10 of petroleum, dispersants, and heavy metal
6.11 contaminants from the Deepwater Horizon oil
6.12 spill in the Gulf of Mexico on the wintering
6.13 habitat of Minnesota's common loons
6.14 and white pelicans using radiotelemetry,
6.15 geolocators, and contaminant analysis.

6.16 **(k) Movement and Seasonal Habitat Use**
6.17 **of Minnesota Elk**

6.18 \$200,000 the first year is from the trust fund
6.19 to the commissioner of natural resources
6.20 to collect biological information about
6.21 Minnesota elk, including movements and
6.22 habitat use to enable long-term, sustainable
6.23 management. This appropriation is
6.24 contingent on a \$50,000 match from state
6.25 or nonstate sources. This appropriation is
6.26 available until June 30, 2018, by which time
6.27 the project must be completed and final
6.28 products delivered.

6.29 **(l) Genetic and Camera Techniques to**
6.30 **Estimate Carnivore Populations**

6.31 \$200,000 the first year is from the trust fund
6.32 to the Board of Regents of the University
6.33 of Minnesota – Duluth for the Natural
6.34 Resources Research Institute to use genetic
6.35 sampling and remote cameras to improve

- 7.1 monitoring of distributions and estimate
 7.2 population sizes of carnivore species.
- 7.3 **(m) Turtle Population Dynamics in Urban**
 7.4 **Lakes**
- 7.5 \$250,000 the first year is from the trust fund to
 7.6 the commissioner of natural resources for an
 7.7 agreement with the University of St. Thomas
 7.8 in cooperation with the Three Rivers Park
 7.9 District to analyze the aquatic and terrestrial
 7.10 habitat parameters that affect the use of urban
 7.11 lakes by a three-species turtle community
 7.12 and to make specific recommendations to
 7.13 protect and enhance turtle populations. This
 7.14 appropriation is available until June 30,
 7.15 2019, by which time the project must be
 7.16 completed and final products delivered.
- 7.17 **(n) Digitization of Historic Gullion Ruffed**
 7.18 **Grouse Research**
- 7.19 \$75,000 the first year is from the trust fund
 7.20 to the commissioner of natural resources for
 7.21 an agreement with Central Lakes College
 7.22 to preserve the Gordon Gullion ruffed
 7.23 grouse data sets as permanent digital data
 7.24 files in order to improve accessibility to
 7.25 the information and inform forest wildlife
 7.26 conservation policies and practices.
- 7.27 **(o) Effects of Grazing Versus Fire for**
 7.28 **Prairie Management**
- 7.29 \$414,000 the first year is from the trust fund
 7.30 to the Board of Regents of the University
 7.31 of Minnesota to compare the effects of
 7.32 conservation grazing and prescribed fire
 7.33 on tallgrass prairie plants and pollinators
 7.34 in Minnesota in order to inform and
 7.35 improve land management practices. This

8.1 appropriation is available until June 30,
 8.2 2018, by which time the project must be
 8.3 completed and final products delivered.

8.4 **(p) Assessing Ecological Impact of St.**
 8.5 **Anthony Falls Lock Closure**

8.6 \$125,000 the first year is from the trust fund to
 8.7 the commissioner of natural resources for an
 8.8 agreement with the Minneapolis Riverfront
 8.9 Partnership to study the impact of altered
 8.10 river flow due to closure of the Upper Lock
 8.11 on the Mississippi River at St. Anthony Falls
 8.12 on the physical and biological characteristics
 8.13 of the river between the Coon Rapids Dam
 8.14 and Lock and Dam No. 1 in order to inform
 8.15 future river restoration efforts.

8.16 **(q) Foundational Dataset Characterizing**
 8.17 **Historic Forest Disturbance Impacts**

8.18 \$200,000 the first year is from the trust fund
 8.19 to the Board of Regents of the University
 8.20 of Minnesota to quantify forest disturbance
 8.21 impacts over the past forty years on water
 8.22 quality, wildlife demographics, and wood
 8.23 fiber supply in order to identify management
 8.24 strategies that better respond to disturbance
 8.25 impacts and improve and sustain forest
 8.26 resources. This appropriation is available
 8.27 until June 30, 2018, by which time the
 8.28 project must be completed and final products
 8.29 delivered.

8.30 **(r) Hydrologic Effects of Contemporary**
 8.31 **Forest Practices in Minnesota**

8.32 \$150,000 the first year is from the trust
 8.33 fund to the Board of Regents of the
 8.34 University of Minnesota to install hydrologic
 8.35 monitoring stations to collect water quantity

9.1 and quality data from lands managed for
 9.2 timber production to better understand the
 9.3 relationship between harvest practices and
 9.4 water resources and related responses to
 9.5 changing climate and other disturbance
 9.6 factors in order to inform forest management
 9.7 practices. This appropriation is available
 9.8 until June 30, 2018, by which time the
 9.9 project must be completed and final products
 9.10 delivered.

9.11 **(s) Habitat Mitigation for Goblin Fern**
 9.12 **Conservation**

9.13 \$61,000 the first year is from the trust fund
 9.14 to the commissioner of natural resources for
 9.15 an agreement with the Leech Lake Band of
 9.16 Ojibwe to examine goblin fern populations, a
 9.17 threatened species in Minnesota, in relation
 9.18 to habitat degradation and to develop
 9.19 long-term habitat mitigation and species
 9.20 conservation strategies. This appropriation
 9.21 is available until June 30, 2018, by which
 9.22 time the project must be completed and final
 9.23 products delivered.

9.24 Subd. 4. **Water Resources** 3,065,000 -0-

9.25 **(a) Understanding Water Scarcity,**
 9.26 **Threats, and Values to Improve**
 9.27 **Management**

9.28 \$234,000 the first year is from the trust fund
 9.29 to the Board of Regents of the University of
 9.30 Minnesota to model and map statewide water
 9.31 scarcity and abundance; assess water-related
 9.32 risks to industry, municipalities, and
 9.33 ecosystems; and quantify the economic
 9.34 values of changes in water quality and
 9.35 quantity in order to inform long-term water

10.1 sustainability strategies. This appropriation
10.2 is available until June 30, 2018, by which
10.3 time the project must be completed and final
10.4 products delivered.

10.5 **(b) Biofilm Technology for Water Nutrient**
10.6 **Removal**

10.7 \$281,000 the first year is from the trust fund
10.8 to the Board of Regents of the University
10.9 of Minnesota to develop a simulated lichen
10.10 biofilm system that can be used to remove
10.11 pollutants and recycle nutrients from storm
10.12 water runoff and polluted lakes, ponds, and
10.13 lagoons. This appropriation is subject to
10.14 Minnesota Statutes, section 116P.10. This
10.15 appropriation is available until June 30,
10.16 2018, by which time the project must be
10.17 completed and final products delivered.

10.18 **(c) Biological Consequences of Septic**
10.19 **Pollution in Minnesota Lakes**

10.20 \$364,000 the first year is from the trust fund
10.21 to the Board of Trustees of the Minnesota
10.22 State Colleges and Universities system for
10.23 St. Cloud State University to assess the
10.24 presence of possible sources of contaminants
10.25 of emerging concern in Minnesota lakes
10.26 in order to determine their effects on fish
10.27 health, understand the potential contribution
10.28 from septic systems, and inform options
10.29 for remediation and prevention to protect
10.30 Minnesota lakes from these contaminants in
10.31 the future. This appropriation is available
10.32 until June 30, 2018, by which time the
10.33 project must be completed and final products
10.34 delivered.

11.1 **(d) Preventing Phosphorous from Entering**
 11.2 **Water Resources through Drain Tiles**
 11.3 \$505,000 the first year is from the trust
 11.4 fund to the Board of Regents of the
 11.5 University of Minnesota to develop a new
 11.6 nanocomposite material made from biomass
 11.7 that is designed to adsorb phosphorus,
 11.8 nitrogen, and pesticides from storm water
 11.9 and drain tile runoff discharge for recycling
 11.10 back to agricultural lands. This appropriation
 11.11 is subject to Minnesota Statutes, section
 11.12 116P.10.

11.13 **(e) Southeast Minnesota Cover Crop and**
 11.14 **Soil Health Initiatives**
 11.15 \$253,000 the first year is from the trust fund
 11.16 to the Board of Water and Soil Resources to
 11.17 promote cover crops as a means of protecting
 11.18 soil and water quality in southeastern
 11.19 Minnesota through training and education
 11.20 for local practitioners, economic analysis of
 11.21 implementation, and on-farm demonstration
 11.22 sites. This effort must be coordinated with
 11.23 the University of Minnesota Forever Green
 11.24 Initiative. This appropriation is available
 11.25 until June 30, 2018, by which time the
 11.26 project must be completed and final products
 11.27 delivered.

11.28 **(f) Southeast Minnesota Subsurface**
 11.29 **Drainage Impacts on Groundwater**
 11.30 **Recharge**
 11.31 \$488,000 the first year is from the trust fund
 11.32 to the commissioner of natural resources
 11.33 for an agreement with the United States
 11.34 Geological Survey to assess the relationship
 11.35 between agricultural drainage and water

12.1 flow within the unique karst geology of
12.2 southeast Minnesota to characterize the
12.3 potential impacts of drainage on groundwater
12.4 recharge and groundwater sustainability in
12.5 the region. This appropriation is not subject
12.6 to Minnesota Statutes, section 116P.10. This
12.7 appropriation is available until June 30,
12.8 2019, by which time the project must be
12.9 completed and final products delivered.

12.10 **(g) Using Hydroacoustics to Monitor**

12.11 **Sediment in Minnesota Rivers**

12.12 \$455,000 the first year is from the trust fund
12.13 to the commissioner of natural resources
12.14 for an agreement with the United States
12.15 Geological Survey to install hydroacoustic
12.16 equipment on the lower Minnesota and
12.17 Mississippi Rivers to improve measurement
12.18 and monitoring accuracy for suspended
12.19 sediment and enhance ongoing sediment
12.20 reduction efforts by state, federal, and local
12.21 agencies. This appropriation is not subject
12.22 to Minnesota Statutes, section 116P.10. This
12.23 appropriation is available until June 30,
12.24 2019, by which time the project must be
12.25 completed and final products delivered.

12.26 **(h) Assessment of Irrigation Efficiencies in**

12.27 **Benton County**

12.28 \$431,000 the first year is from the trust fund
12.29 to the commissioner of natural resources
12.30 for an agreement with Benton Soil and
12.31 Water Conservation District to develop and
12.32 implement a decision support system to
12.33 increase irrigation efficiencies and provide
12.34 outreach on irrigation best management
12.35 practices. Software developed with this

13.1 appropriation must be available in the public
 13.2 domain. Project efforts should be coordinated
 13.3 with the Department of Natural Resources.
 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 **(i) Shoreview Water Consumption and**
 13.8 **Groundwater Awareness Project**

13.9 \$54,000 the first year is from the trust fund
 13.10 to the commissioner of natural resources for
 13.11 an agreement with the city of Shoreview
 13.12 to provide biweekly water consumption
 13.13 data to at least 400 residential households
 13.14 for a two-year period to determine whether
 13.15 additional groundwater can be conserved
 13.16 with greater awareness of consumption data.

13.17 This appropriation is available until June
 13.18 30, 2018, by which time the project must be
 13.19 completed and final products delivered.

13.20 **Subd. 5. Environmental Education**

1,004,000

-0-

13.21 **(a) Promotion of Alternative Ammunition**
 13.22 **to Protect Wildlife from Lead Poisoning**

13.23 \$132,000 the first year is from the trust fund
 13.24 to the Board of Regents of the University of
 13.25 Minnesota for the Raptor Center to provide
 13.26 hunters with outreach and workshops on
 13.27 alternatives to lead hunting ammunition,
 13.28 including copper, and promote voluntary
 13.29 selection of nontoxic ammunition to protect
 13.30 eagles and other wildlife in Minnesota from
 13.31 accidental lead poisoning caused by ingestion
 13.32 of ammunition fragments left in the field.

13.33 **(b) Connecting Students with Watersheds**
 13.34 **through Hands-On Learning**

14.1 \$400,000 the first year is from the trust fund to
 14.2 the commissioner of natural resources for an
 14.3 agreement with Minnesota Trout Unlimited
 14.4 to provide hands-on learning focused on
 14.5 water quality, groundwater, aquatic life,
 14.6 and watershed health stewardship. This
 14.7 appropriation is available until June 30,
 14.8 2018, by which time the project must be
 14.9 completed and final products delivered.

14.10 **(c) Zumbro River Watershed Recreational**
 14.11 **Learning Stewardship Sites**

14.12 \$300,000 the first year is from the trust fund
 14.13 to the commissioner of natural resources for
 14.14 an agreement with the Zumbro Watershed
 14.15 Partnership to develop at least six recreational
 14.16 and educational sites on the Zumbro River
 14.17 with water quality demonstration elements
 14.18 and interpretative signage designed to
 14.19 encourage adoption of water protection
 14.20 practices. No more than 15 percent of this
 14.21 appropriation may be spent on site and
 14.22 construction consultation, planning, and
 14.23 design. Any plantings or restoration activities
 14.24 conducted with this appropriation must use
 14.25 native plant species according to the Board of
 14.26 Water and Soil Resources' native vegetation
 14.27 establishment and enhancement guidelines.
 14.28 This appropriation is available until June
 14.29 30, 2018, by which time the project must be
 14.30 completed and final products delivered.

14.31 **(d) Students Engaging Local Watersheds**
 14.32 **Using Mobile Technologies**

14.33 \$147,000 the first year is from the trust fund
 14.34 to the commissioner of natural resources
 14.35 for an agreement with Twin Cities Public

15.1 Television to deliver an experiential,
 15.2 project-based educational program using
 15.3 mobile technologies to empower at least 200
 15.4 middle school students in 4-H programs to
 15.5 engage in understanding and protecting local
 15.6 water resources.

15.7 **(e) Mississippi River Water Journey**
 15.8 **Camps**

15.9 \$25,000 the first year is from the trust fund
 15.10 to the Board of Regents of the University of
 15.11 Minnesota to design and pilot two week-long
 15.12 summer camps for youth ages 6 to 11 focused
 15.13 around clean water and the Mississippi
 15.14 River and designed to get children outdoors
 15.15 exploring and engaged with the natural
 15.16 environment and creating educational
 15.17 materials to help their communities protect
 15.18 water quality.

15.19 **Subd. 6. Aquatic and Terrestrial Invasive**
 15.20 **Species**

6,071,000

-0-

15.21 **(a) Minnesota Invasive Terrestrial Plants**
 15.22 **and Pests Center**

15.23 \$5,000,000 the first year is from the trust fund
 15.24 to the Board of Regents of the University
 15.25 of Minnesota for the Invasive Terrestrial
 15.26 Plants and Pests Center established in Laws
 15.27 2014, chapter 312, article 13, section 44,
 15.28 to conduct research to prevent, minimize,
 15.29 and mitigate the threats and impacts posed
 15.30 by invasive plants, pathogens, and pests to
 15.31 the state's prairies, forests, wetlands, and
 15.32 agricultural resources. This appropriation
 15.33 is available until June 30, 2023, by which
 15.34 time the project must be completed and final
 15.35 products delivered.

16.1 **(b) Emerald Ash Borer Ecological and**
 16.2 **Hydrological Impacts - Phase II**
 16.3 \$400,000 the first year is from the trust fund
 16.4 to the Board of Regents of the University
 16.5 of Minnesota to assess the potential impacts
 16.6 of emerald ash borer on Minnesota black
 16.7 ash forests and quantify potential impacts
 16.8 on native forest vegetation, invasive species
 16.9 spread, and hydrology. This appropriation
 16.10 is available until June 30, 2020, by which
 16.11 time the project must be completed and final
 16.12 products delivered.

16.13 **(c) Biological Control of Canada Thistle**
 16.14 \$300,000 the first year is from the trust fund
 16.15 to the Board of Regents of the University of
 16.16 Minnesota to develop a biological control for
 16.17 Canada thistle, an invasive plant species in
 16.18 Minnesota. This appropriation is available
 16.19 until June 30, 2018, by which time the
 16.20 project must be completed and final products
 16.21 delivered.

16.22 **(d) Preventing New Disease of Pines in**
 16.23 **Minnesota**
 16.24 \$371,000 the first year is from the trust fund
 16.25 to the Board of Regents of the University of
 16.26 Minnesota to establish early detection for
 16.27 heterobasidion, an invasive root rot fungus,
 16.28 and develop efforts to prevent its spread
 16.29 and reduce its impact. This appropriation
 16.30 is available until June 30, 2018, by which
 16.31 time the project must be completed and final
 16.32 products delivered.

16.33 **Subd. 7. Air Quality, Climate Change, and**
 16.34 **Renewable Energy**

3,268,000

-0-

17.1 **(a) Analysis of Minnesota Energy Systems**

17.2 **to Develop Future Energy Strategies**

17.3 \$1,000,000 the first year is from the trust
 17.4 fund to the Legislative Energy Commission
 17.5 to conduct comprehensive data collection
 17.6 and analysis of energy systems in Minnesota
 17.7 in order to develop short- and long-term
 17.8 strategies to maximize energy efficiency
 17.9 and the use of clean energy in the state. A
 17.10 competitive request for proposal process
 17.11 must be used for any contracts funded with
 17.12 this appropriation.

17.13 **(b) Renewable and Sustainable Fertilizers**

17.14 **Produced Locally**

17.15 \$1,000,000 the first year is from the trust fund
 17.16 to the Board of Regents of the University
 17.17 of Minnesota for the Morris West Central
 17.18 Research and Outreach Center and Twin
 17.19 Cities Campus to develop and demonstrate
 17.20 new technologies aimed at enabling
 17.21 renewable and sustainable production of
 17.22 ammonia for fertilizer in a localized manner.
 17.23 This appropriation is subject to Minnesota
 17.24 Statutes, section 116P.10. This appropriation
 17.25 is available until June 30, 2018, by which
 17.26 time the project must be completed and final
 17.27 products delivered.

17.28 **(c) Reducing Emissions from Open**

17.29 **Burning through Biomass Gasification**

17.30 \$268,000 the first year is from the trust
 17.31 fund to the Board of Regents of the
 17.32 University of Minnesota in cooperation with
 17.33 the Department of Natural Resources to
 17.34 characterize and promote distributed biomass
 17.35 gasification of wood waste as a means for

18.1 producing renewable and sustainable energy
 18.2 in rural areas through a demonstration at the
 18.3 Department of Natural Resources regional
 18.4 office facility in New Ulm.

18.5 **(d) Building Deconstruction to Reduce**
 18.6 **Greenhouse Gas Emissions and Solid**
 18.7 **Waste**

18.8 \$845,000 the first year is from the trust fund
 18.9 to the commissioner of natural resources for
 18.10 an agreement with Better Futures Minnesota
 18.11 in cooperation with the Northwest Indian
 18.12 Opportunities Industrialization Center
 18.13 and \$155,000 the first year is from the
 18.14 trust fund to the Board of Regents of the
 18.15 University of Minnesota – Duluth for the
 18.16 Natural Resources Research Institute to
 18.17 develop and test a model for implementing
 18.18 building deconstruction and material reuse
 18.19 as a competitive alternative to demolition
 18.20 for the purpose of reducing greenhouse
 18.21 gas emissions, reducing landfill waste, and
 18.22 providing job training.

18.23 **Subd. 8. Methods to Protect, Restore, and**
 18.24 **Enhance Land, Water, and Habitat**

4,646,000

-0-

18.25 Appropriations by Fund

18.26 Environment and
 18.27 natural resources

18.28 trust fund 4,587,000 -0-

18.29 Great Lakes

18.30 protection account 59,000 -0-

18.31 **(a) Prioritizing Future Management of**
 18.32 **North Shore Trout Streams**

18.33 \$357,000 the first year is from the trust fund
 18.34 and \$59,000 the first year is from the Great
 18.35 Lakes protection account to the Board of
 18.36 Regents of the University of Minnesota –

19.1 Duluth for the Natural Resources Research
 19.2 Institute to identify key areas in North Shore
 19.3 streams that supply the cold groundwater
 19.4 essential to sustaining trout fisheries, in order
 19.5 to focus habitat restoration, protection, and
 19.6 management efforts on the areas that are
 19.7 most essential for long-term stream health
 19.8 and sustainability. This appropriation is
 19.9 available until June 30, 2018, by which time
 19.10 the project must be completed and final
 19.11 products delivered.

19.12 **(b) Propagating Native Plants and**
 19.13 **Restoring Diverse Habitats**

19.14 \$495,000 the first year is from the trust fund
 19.15 to the commissioner of natural resources
 19.16 for an agreement with the Martin County
 19.17 Soil and Water Conservation District for a
 19.18 cooperative 13-county effort by Blue Earth,
 19.19 Brown, Cottonwood, Crow Wing, Faribault,
 19.20 Freeborn, Jackson, Lake, Le Sueur, Martin,
 19.21 Nicollet, Waseca, and Watonwan Counties to
 19.22 protect and expand native forest and prairie
 19.23 habitat for species in greatest conservation
 19.24 need in four regions of the state through
 19.25 collection and propagation of local ecotype
 19.26 native plants, habitat restoration efforts, and
 19.27 educational outreach. This appropriation
 19.28 is available until June 30, 2020, by which
 19.29 time the project must be completed and final
 19.30 products delivered.

19.31 **(c) Preserving and Protecting Minnesota**
 19.32 **Native Orchid Species**

19.33 \$167,000 the first year is from the trust fund
 19.34 to the Board of Regents of the University
 19.35 of Minnesota for the Minnesota Landscape

20.1 Arboretum for propagation and cultivation
 20.2 research to enable long-term conservation
 20.3 of at least 15 selected species of the 48
 20.4 native orchid species in Minnesota. This
 20.5 appropriation is available until June 30,
 20.6 2018, by which time the project must be
 20.7 completed and final products delivered.

20.8 **(d) Acceleration of Minnesota**

20.9 **Conservation Assistance – Final Phase**

20.10 \$1,000,000 the first year is from the trust
 20.11 fund to the Board of Water and Soil
 20.12 Resources for the final phase of a pilot
 20.13 program to provide grants to soil and water
 20.14 conservation districts and other units of local
 20.15 and state government for employment of
 20.16 staff to provide technical assistance to secure
 20.17 enrollment and retention of private lands
 20.18 in federal and state conservation programs.
 20.19 This appropriation is available until June
 20.20 30, 2018, by which time the project must be
 20.21 completed and final products delivered.

20.22 **(e) Metro Conservation Corridors -**

20.23 **Phase VIII Prairie, Forest, and Savanna**

20.24 **Restoration**

20.25 \$276,000 the first year is from the trust fund
 20.26 to the commissioner of natural resources
 20.27 for an agreement with the Friends of the
 20.28 Mississippi River for Phase VIII of the
 20.29 Metro Conservation Corridors partnership
 20.30 to conduct restoration activities on at least
 20.31 260 acres of forest and savanna and at least
 20.32 160 acres of prairie to preserve and increase
 20.33 wildlife habitat in the metropolitan area, as
 20.34 defined under Minnesota Statutes, section
 20.35 473.121, subdivision 2, and portions of the

21.1 surrounding counties. Expenditures are
 21.2 limited to the identified project corridor
 21.3 areas as defined in the work plan. A list
 21.4 of proposed restorations must be provided
 21.5 as part of the required work plan. This
 21.6 appropriation is available until June 30,
 21.7 2018, by which time the project must be
 21.8 completed and final products delivered.

21.9 **(f) Metro Conservation Corridors - Phase**
 21.10 **VIII Enhancing Restoration Techniques**
 21.11 **for Improved Climate Resilience and**
 21.12 **Pollinator Conservation**

21.13 \$400,000 the first year is from the trust fund
 21.14 to the commissioner of natural resources for
 21.15 an agreement with Great River Greening
 21.16 for Phase VIII of the Metro Conservation
 21.17 Corridors partnership to pilot and evaluate
 21.18 innovative restoration techniques aimed
 21.19 at improving the resilience of bur oak
 21.20 communities to changing climate conditions
 21.21 and enhancing prairie management to benefit
 21.22 pollinators with the help and engagement
 21.23 of citizen volunteers. Expenditures on
 21.24 restoration efforts are limited to the identified
 21.25 project corridor areas as defined in the work
 21.26 plan. A list of proposed restorations must be
 21.27 provided as part of the required work plan.
 21.28 This appropriation is available until June 30,
 21.29 2018, by which point the project must be
 21.30 completed and final products delivered.

21.31 **(g) Minnesota State University Moorhead**
 21.32 **Prairie and Riparian Restoration and**
 21.33 **Monitoring**

21.34 \$527,000 the first year is from the trust fund
 21.35 to the Board of Trustees of the Minnesota

22.1 State Colleges and Universities system
 22.2 for Minnesota State University Moorhead
 22.3 in cooperation with the Department of
 22.4 Natural Resources to restore and monitor
 22.5 160 acres of prairie and riparian habitat
 22.6 and develop and disseminate monitoring
 22.7 protocols. This appropriation is contingent
 22.8 upon the donation of a 60-acre parcel to
 22.9 Minnesota State University Moorhead from
 22.10 the Minnesota State University Moorhead
 22.11 Alumni Foundation and is available until
 22.12 June 30, 2020, by which time the project must
 22.13 be completed and final products delivered.

22.14 **(h) Improving Community Forests**

22.15 **Through Citizen Engagement**

22.16 \$800,000 the first year is from the trust fund
 22.17 to the commissioner of the Pollution Control
 22.18 Agency to design and pilot a program,
 22.19 including grants to communities, to mobilize
 22.20 citizen volunteers to protect, improve,
 22.21 and maintain local forests in communities
 22.22 around the state. Participation is open to any
 22.23 municipality in the state and participating
 22.24 municipalities will be selected through a
 22.25 competitive proposal process that will include
 22.26 representation from both metropolitan and
 22.27 nonmetropolitan areas of the state. Trees
 22.28 planted using this appropriation must be
 22.29 species that are native to Minnesota. A
 22.30 participating municipality must provide a
 22.31 match of not less than 25 percent, up to half of
 22.32 which may be in the form of in-kind support.
 22.33 This appropriation is available until June
 22.34 30, 2018, by which time the project must be
 22.35 completed and final products delivered.

23.1 **(i) Flood Recovery on Sargent Creek in**
 23.2 **Duluth**
 23.3 \$300,000 the first year is from the trust fund
 23.4 to the commissioner of natural resources
 23.5 for an agreement with the city of Duluth to
 23.6 re-establish stable and natural streambanks
 23.7 with riparian and aquatic habitat restoration
 23.8 on at least 5,400 linear feet of Sargent Creek
 23.9 in Duluth destroyed during the flood of 2012.

23.10 **(j) Shoreland Protection for Lower St.**
 23.11 **Croix River**
 23.12 \$190,000 the first year is from the trust fund
 23.13 to the commissioner of natural resources
 23.14 for an agreement with the St. Croix River
 23.15 Association to provide technical assistance
 23.16 to landowners, local governments, realtors,
 23.17 and developers on shoreland conservation
 23.18 and protection of the lower St. Croix River.
 23.19 This appropriation is available until June
 23.20 30, 2018, by which time the project must be
 23.21 completed and final products delivered.

23.22 **(k) Redwood and Renville Counties**
 23.23 **Outdoor Recreation and Conservation**
 23.24 **Master Plan**
 23.25 \$75,000 the first year is from the trust fund
 23.26 to the commissioner of natural resources
 23.27 for an agreement with Renville County
 23.28 in cooperation with Redwood County to
 23.29 develop a joint outdoor recreation and
 23.30 conservation master plan to guide future
 23.31 development and protect cultural, historical,
 23.32 and natural resources in the Minnesota River
 23.33 Valley.

23.34 **Subd. 9. Land Acquisition for Habitat and**
 23.35 **Recreation**

14,190,000

-0-

24.1 **(a) State Parks and Trails Land**

24.2 **Acquisitions**

24.3 \$1,500,000 the first year is from the trust
24.4 fund to the commissioner of natural resources
24.5 to acquire at least 335 acres for authorized
24.6 state trails and critical parcels within the
24.7 statutory boundaries of state parks. State
24.8 park land acquired with this appropriation
24.9 must be sufficiently improved to meet at
24.10 least minimum management standards, as
24.11 determined by the commissioner of natural
24.12 resources. A list of proposed acquisitions
24.13 must be provided as part of the required work
24.14 plan. This appropriation is available until
24.15 June 30, 2018, by which time the project must
24.16 be completed and final products delivered.

24.17 **(b) Metropolitan Regional Park System**

24.18 **Land Acquisition – Phase IV**

24.19 \$1,000,000 the first year is from the trust
24.20 fund to the Metropolitan Council for grants
24.21 to acquire at least 133 acres of lands within
24.22 the approved park unit boundaries of the
24.23 metropolitan regional park system. This
24.24 appropriation may not be used to purchase
24.25 habitable residential structures. A list of
24.26 proposed fee title and easement acquisitions
24.27 must be provided as part of the required work
24.28 plan. This appropriation must be matched
24.29 by at least 40 percent of nonstate money that
24.30 must be committed by December 31, 2015, or
24.31 the appropriation cancels. This appropriation
24.32 is available until June 30, 2018, by which
24.33 time the project must be completed and final
24.34 products delivered.

25.1 **(c) SNA Acquisition, Restoration,**
25.2 **Enhancement, and Public Engagement**
25.3 \$4,000,000 the first year is from the trust
25.4 fund to the commissioner of natural resources
25.5 to acquire at least 350 acres of lands with
25.6 high-quality native plant communities and
25.7 rare features to be established as scientific
25.8 and natural areas as provided in Minnesota
25.9 Statutes, section 86A.05, subdivision 5,
25.10 restore and improve at least 550 acres of
25.11 scientific and natural areas, and provide
25.12 technical assistance and outreach. A list of
25.13 proposed acquisitions must be provided as
25.14 part of the required work plan. Land acquired
25.15 with this appropriation must be sufficiently
25.16 improved to meet at least minimum
25.17 management standards, as determined by
25.18 the commissioner of natural resources. This
25.19 appropriation is available until June 30,
25.20 2018, by which time the project must be
25.21 completed and final products delivered.

25.22 **(d) Native Prairie Stewardship and Prairie**
25.23 **Bank Easement Acquisition**
25.24 \$3,325,000 the first year is from the trust
25.25 fund to the commissioner of natural resources
25.26 to acquire native prairie bank easements on
25.27 at least 675 acres, prepare baseline property
25.28 assessments, restore and enhance at least
25.29 1,000 acres of native prairie sites, and provide
25.30 technical assistance to landowners. A list
25.31 of proposed easement acquisitions must be
25.32 provided as part of the required work plan.
25.33 This appropriation is available until June
25.34 30, 2018, by which time the project must be
25.35 completed and final products delivered.

26.1 **(e) Metro Conservation Corridors -**
26.2 **Phase VIII Coordination, Mapping, and**
26.3 **Conservation Easements**
26.4 \$515,000 the first year is from the trust fund
26.5 to the commissioner of natural resources
26.6 for an agreement with the Minnesota
26.7 Land Trust for Phase VIII of the Metro
26.8 Conservation Corridors partnership to
26.9 provide coordination and mapping for
26.10 the partnership and to acquire permanent
26.11 conservation easements on at least 120 acres
26.12 of strategic ecological landscapes to protect
26.13 priority natural areas in the metropolitan
26.14 area, as defined under Minnesota Statutes,
26.15 section 473.121, subdivision 2, and portions
26.16 of the surrounding counties. A list of
26.17 proposed easement acquisitions must be
26.18 provided as part of the required work plan.
26.19 Land acquired with this appropriation
26.20 must be sufficiently improved to meet at
26.21 least minimum management standards, as
26.22 determined by the commissioner of natural
26.23 resources. Expenditures are limited to the
26.24 identified project corridor areas as defined in
26.25 the work plan. Up to \$40,000 may be used
26.26 for coordination and mapping for the Metro
26.27 Conservation Corridors. All conservation
26.28 easements must be perpetual and have a
26.29 natural resource management plan. A list
26.30 of proposed easement acquisitions must be
26.31 provided as part of the required work plan.
26.32 This appropriation is available June 30, 2018,
26.33 by which time the project must be completed
26.34 and final products delivered.
26.35 **(f) Metro Conservation Corridors - Phase**
26.36 **VIII Strategic Lands Protection**

27.1 \$750,000 the first year is from the trust fund
 27.2 to the commissioner of natural resources for
 27.3 an agreement with The Trust for Public Land
 27.4 for Phase VIII of the Metro Conservation
 27.5 Corridors partnership to acquire in fee at
 27.6 least 135 acres of high-quality priority state
 27.7 and local natural areas in the metropolitan
 27.8 area, as defined under Minnesota Statutes,
 27.9 section 473.121, subdivision 2, and portions
 27.10 of the surrounding counties. A list of
 27.11 proposed acquisitions must be provided as
 27.12 part of the required work plan. Land acquired
 27.13 with this appropriation must be sufficiently
 27.14 improved to meet at least minimum
 27.15 management standards, as determined by
 27.16 the commissioner of natural resources.
 27.17 Expenditures are limited to the identified
 27.18 project corridor areas as defined in the work
 27.19 plan. This appropriation may not be used
 27.20 to purchase habitable residential structures,
 27.21 unless expressly approved in the work
 27.22 plan. A list of fee title acquisitions must be
 27.23 provided as part of the required work plan.
 27.24 This appropriation is available until June
 27.25 30, 2018, by which time the project must be
 27.26 completed and final products delivered.

27.27 **(g) Metro Conservation Corridors - Phase**
 27.28 **VIII Priority Expansion of Minnesota**
 27.29 **Valley National Wildlife Refuge**

27.30 \$500,000 the first year is from the trust fund
 27.31 to the commissioner of natural resources
 27.32 for an agreement with the Minnesota Valley
 27.33 National Wildlife Refuge Trust, Inc. for
 27.34 Phase VIII of the Metro Conservation
 27.35 Corridors partnership to acquire in fee
 27.36 at least 100 acres of priority habitat for

28.1 the Minnesota Valley National Wildlife
28.2 Refuge in the metropolitan area, as defined
28.3 under Minnesota Statutes, section 473.121,
28.4 subdivision 2, and portions of the surrounding
28.5 counties. A list of proposed acquisitions
28.6 must be provided as part of the required work
28.7 plan. Land acquired with this appropriation
28.8 must be sufficiently improved to meet at
28.9 least minimum management standards.
28.10 Expenditures are limited to the identified
28.11 project corridor areas as defined in the work
28.12 plan. This appropriation may not be used
28.13 to purchase habitable residential structures,
28.14 unless expressly approved in the work plan.
28.15 This appropriation is available until June
28.16 30, 2018, by which time the project must be
28.17 completed and final products delivered.

28.18 **(h) Metro Conservation Corridors -**
28.19 **Phase VIII Wildlife Management Area**
28.20 **Acquisition**
28.21 \$400,000 the first year is from the trust fund
28.22 to the commissioner of natural resources
28.23 for Phase VIII of the Metro Conservation
28.24 Corridors partnership to acquire in fee at
28.25 least 82 acres along the lower reaches of the
28.26 Vermillion River in Dakota County within
28.27 the Gores Pool Wildlife Management Area.
28.28 Land acquired with this appropriation must
28.29 be sufficiently improved to meet at least
28.30 minimum management standards. This
28.31 appropriation may not be used to purchase
28.32 habitable residential structures, unless
28.33 expressly approved in the work plan. This
28.34 appropriation is available until June 30,
28.35 2018, by which time the project must be
28.36 completed and final products delivered.

29.1 **(i) Mesabi Trail Development Soudan to**
29.2 **Ely – Phase II**
29.3 \$1,000,000 the first year is from the trust
29.4 fund to the commissioner of natural resources
29.5 for an agreement with the St. Louis and
29.6 Lake Counties Regional Railroad Authority
29.7 for the right-of-way acquisition, design,
29.8 and construction of segments of the Mesabi
29.9 Trail, totaling approximately seven miles
29.10 between Soudan and Ely. This appropriation
29.11 is available until June 30, 2018, by which
29.12 time the project must be completed and final
29.13 products delivered.

29.14 **(j) Multi-benefit Watershed Scale**
29.15 **Conservation on North Central Lakes**
29.16 \$896,000 the first year is from the trust fund
29.17 to the Board of Water and Soil Resources and
29.18 \$54,000 the first year is from the trust fund
29.19 to the Board of Water and Soil Resources
29.20 for an agreement with the Leech Lake
29.21 Area Watershed Foundation in cooperation
29.22 with Crow Wing County Soil and Water
29.23 Conservation District and Cass County Soil
29.24 and Water Conservation District to secure
29.25 permanent conservation easements on at
29.26 least 480 acres of high-quality habitat in
29.27 Crow Wing and Cass Counties. A list of
29.28 proposed easement acquisitions must be
29.29 provided as part of the required work plan.
29.30 This appropriation is available until June
29.31 30, 2018, by which time the project must be
29.32 completed and final products delivered.

29.33 **(k) Conservation Easement Assessment**
29.34 **and Valuation System Development**

30.1 \$250,000 the first year is from the trust fund
 30.2 to the Board of Regents of the University
 30.3 of Minnesota to assess the effectiveness of
 30.4 existing conservation easements acquired
 30.5 through state expenditures at achieving
 30.6 their intended outcomes of public value
 30.7 and ecological benefits and to develop
 30.8 a standardized, objective conservation
 30.9 easement valuation system for guiding future
 30.10 state investments in conservation easements
 30.11 to ensure the proposed environmental
 30.12 benefits are being achieved in a cost-effective
 30.13 manner. This appropriation is available until
 30.14 June 30, 2018, by which time the project must
 30.15 be completed and final products delivered.

30.16 **Subd. 10. Administration and Contract**
 30.17 **Agreement Reimbursement**

1,207,000

-0-

30.18 **(a) Legislative-Citizen Commission on**
 30.19 **Minnesota Resources**

30.20 \$1,072,000 the first year is from the trust
 30.21 fund to the Legislative-Citizen Commission
 30.22 on Minnesota Resources for administration
 30.23 in fiscal years 2016 and 2017 as provided
 30.24 in Minnesota Statutes, section 116P.09,
 30.25 subdivision 5.

30.26 **(b) Contract Agreement Reimbursement**

30.27 \$135,000 the first year is from the trust fund
 30.28 to the commissioner of natural resources
 30.29 at the direction of the Legislative-Citizen
 30.30 Commission on Minnesota Resources for
 30.31 expenses incurred for contract agreement
 30.32 reimbursement for the agreements specified
 30.33 in this section. The commissioner
 30.34 shall provide documentation to the
 30.35 Legislative-Citizen Commission on

31.1 Minnesota Resources on the expenditure of
31.2 these funds.

31.3 **Subd. 11. Availability of Appropriations**

31.4 Money appropriated in this section may
31.5 not be spent on activities unless they are
31.6 directly related to and necessary for a specific
31.7 appropriation and are specified in the work
31.8 plan approved by the Legislative-Citizen
31.9 Commission on Minnesota Resources.

31.10 Money appropriated in this section must
31.11 not be spent on indirect costs or other
31.12 institutional overhead charges that are
31.13 not directly related to and necessary for
31.14 a specific appropriation. Costs that are
31.15 directly related to and necessary for an
31.16 appropriation, including financial services,
31.17 human resources, information services, rent,
31.18 and utilities, are eligible only if the costs
31.19 can be clearly justified and individually
31.20 documented specific to the appropriation's
31.21 purpose and would not be generated by
31.22 the recipient but for the receipt of the
31.23 appropriation. No broad allocations for costs
31.24 in either dollars or percentages are allowed.

31.25 Unless otherwise provided, the amounts in
31.26 this section are available until June 30, 2017,
31.27 when projects must be completed and final
31.28 products delivered. For acquisition of real
31.29 property, the appropriations in this section
31.30 are available for an additional fiscal year if a
31.31 binding contract for acquisition of the real
31.32 property is entered into before the original
31.33 expiration date of the appropriation. If a
31.34 project receives a federal grant, the time
31.35 period of the appropriation is extended to
31.36 equal the federal grant period.

32.1 **Subd. 12. Data Availability Requirements**

32.2 Data collected by the projects funded under
32.3 this section must conform to guidelines
32.4 and standards adopted by MN.IT Services.
32.5 Spatial data also must conform to additional
32.6 guidelines and standards designed to support
32.7 data coordination and distribution that have
32.8 been published by the Minnesota Geospatial
32.9 Information Office. Descriptions of spatial
32.10 data must be prepared as specified in
32.11 the state's geographic metadata guideline
32.12 and must be submitted to the Minnesota
32.13 Geospatial Information Office. All data must
32.14 be accessible and free to the public unless
32.15 made private under the Data Practices Act,
32.16 Minnesota Statutes, chapter 13. To the extent
32.17 practicable, summary data and results of
32.18 projects funded under this section should
32.19 be readily accessible on the Internet and
32.20 identified as having received funding from
32.21 the environment and natural resources trust
32.22 fund.

32.23 **Subd. 13. Project Requirements**

32.24 (a) As a condition of accepting an
32.25 appropriation under this section, an agency
32.26 or entity receiving an appropriation or a
32.27 party to an agreement from an appropriation
32.28 must comply with paragraphs (b) to (l)
32.29 and Minnesota Statutes, chapter 116P, and
32.30 must submit a work plan and semiannual
32.31 progress reports in the form determined
32.32 by the Legislative-Citizen Commission on
32.33 Minnesota Resources for any project funded
32.34 in whole or in part with funds from the
32.35 appropriation. Modifications to the approved

33.1 work plan and budget expenditures must
33.2 be made through the amendment process
33.3 established by the Legislative-Citizen
33.4 Commission on Minnesota Resources.

33.5 (b) A recipient of money appropriated in
33.6 this section that conducts a restoration using
33.7 funds appropriated in this section must use
33.8 native plant species according to the Board of
33.9 Water and Soil Resources' native vegetation
33.10 establishment and enhancement guidelines
33.11 and include an appropriate diversity of
33.12 native species selected to provide habitat for
33.13 pollinators throughout the growing season as
33.14 required under Minnesota Statutes, section
33.15 84.973.

33.16 (c) For all restorations conducted with money
33.17 appropriated under this section, a recipient
33.18 must prepare an ecological restoration
33.19 and management plan that, to the degree
33.20 practicable, is consistent with the highest
33.21 quality conservation and ecological goals for
33.22 the restoration site. Consideration should
33.23 be given to soil, geology, topography, and
33.24 other relevant factors that would provide
33.25 the best chance for long-term success and
33.26 durability of the restoration projects. The
33.27 plan must include the proposed timetable
33.28 for implementing the restoration, including
33.29 site preparation, establishment of diverse
33.30 plant species, maintenance, and additional
33.31 enhancement to establish the restoration;
33.32 identify long-term maintenance and
33.33 management needs of the restoration and
33.34 how the maintenance, management, and
33.35 enhancement will be financed; and take
33.36 advantage of the best available science and

34.1 include innovative techniques to achieve the
34.2 best restoration.

34.3 (d) An entity receiving an appropriation in
34.4 this section for restoration activities must
34.5 provide an initial restoration evaluation
34.6 at the completion of the appropriation
34.7 and an evaluation three years beyond the
34.8 completion of the expenditure. Restorations
34.9 must be evaluated relative to the stated
34.10 goals and standards in the restoration plan,
34.11 current science, and, when applicable, the
34.12 Board of Water and Soil Resources' native
34.13 vegetation establishment and enhancement
34.14 guidelines. The evaluation must determine
34.15 whether the restorations are meeting planned
34.16 goals, identify any problems with the
34.17 implementation of the restorations, and,
34.18 if necessary, give recommendations on
34.19 improving restorations. The evaluation must
34.20 be focused on improving future restorations.

34.21 (e) All restoration and enhancement projects
34.22 funded with money appropriated in this
34.23 section must be on land permanently
34.24 protected by a conservation easement or
34.25 public ownership.

34.26 (f) A recipient of money from an
34.27 appropriation under this section must
34.28 give consideration to contracting with
34.29 Conservation Corps Minnesota for contract
34.30 restoration and enhancement services.

34.31 (g) All conservation easements acquired with
34.32 money appropriated under this section must:
34.33 (1) be permanent;
34.34 (2) specify the parties to an easement in the
34.35 easement;

35.1 (3) specify all of the provisions of an
35.2 agreement that are permanent;

35.3 (4) be sent to the Legislative-Citizen
35.4 Commission on Minnesota Resources in an
35.5 electronic format at least ten business days
35.6 prior to closing;

35.7 (5) include a long-term monitoring and
35.8 enforcement plan and funding for monitoring
35.9 and enforcing the easement agreement; and

35.10 (6) include requirements in the easement
35.11 document to address specific groundwater
35.12 and surface water quality protection activities
35.13 such as keeping water on the landscape,
35.14 reducing nutrient and contaminant loading,
35.15 protecting groundwater, and not permitting
35.16 artificial hydrological modifications.

35.17 (h) For any acquisition of lands or interest
35.18 in lands, a recipient of money appropriated
35.19 under this section shall not agree to pay
35.20 more than 100 percent of the appraised value
35.21 for a parcel of land using this money to
35.22 complete the purchase, in part or in whole,
35.23 except that up to ten percent above the
35.24 appraised value may be allowed to complete
35.25 the purchase, in part or in whole, using this
35.26 money if permission is received in advance
35.27 of the purchase from the Legislative-Citizen
35.28 Commission on Minnesota Resources.

35.29 (i) For any acquisition of land or interest in
35.30 land, a recipient of money appropriated under
35.31 this section must give priority to high-quality
35.32 natural resources or conservation lands that
35.33 provide natural buffers to water resources.

35.34 (j) For new lands acquired with money
35.35 appropriated under this section, a recipient

36.1 must prepare an ecological restoration
36.2 and management plan in compliance with
36.3 paragraph (c), including sufficient funding
36.4 for implementation unless the work plan
36.5 addresses why a portion of the money is
36.6 not necessary to achieve a high-quality
36.7 restoration.

36.8 (k) To ensure public accountability for
36.9 the use of public funds, within 60 days
36.10 of the transaction, a recipient of money
36.11 appropriated under this section must provide
36.12 to the Legislative-Citizen Commission on
36.13 Minnesota Resources documentation of the
36.14 selection process used to identify parcels
36.15 acquired and provide documentation of all
36.16 related transaction costs, including but not
36.17 limited to appraisals, legal fees, recording
36.18 fees, commissions, other similar costs,
36.19 and donations. This information must be
36.20 provided for all parties involved in the
36.21 transaction. The recipient must also report
36.22 to the Legislative-Citizen Commission on
36.23 Minnesota Resources any difference between
36.24 the acquisition amount paid to the seller and
36.25 the state-certified or state-reviewed appraisal,
36.26 if a state-certified or state-reviewed appraisal
36.27 was conducted.

36.28 (l) A recipient of an appropriation from
36.29 the trust fund under this section must
36.30 acknowledge financial support from
36.31 the Minnesota environment and natural
36.32 resources trust fund in project publications,
36.33 signage, and other public communications
36.34 and outreach related to work completed
36.35 using the appropriation. Acknowledgement
36.36 may occur, as appropriate, through use of

37.1 the trust fund logo or inclusion of language
37.2 attributing support from the trust fund. Each
37.3 direct recipient of money appropriated in
37.4 this section, as well as each recipient of a
37.5 grant awarded pursuant to this section, must
37.6 satisfy all reporting and other requirements
37.7 incumbent upon constitutionally dedicated
37.8 funding recipients as provided in Minnesota
37.9 Statutes, section 3.303, subdivision 10, and
37.10 chapter 116P.

37.11 **Subd. 14. Payment Conditions and Capital**
37.12 **Equipment Expenditures**

37.13 (a) All agreements, grants, or contracts
37.14 referred to in this section must be
37.15 administered on a reimbursement basis
37.16 unless otherwise provided in this section.
37.17 Notwithstanding Minnesota Statutes, section
37.18 16A.41, expenditures made on or after
37.19 July 1, 2015, or the date the work plan is
37.20 approved, whichever is later, are eligible for
37.21 reimbursement unless otherwise provided
37.22 in this section. Periodic payment must be
37.23 made upon receiving documentation that
37.24 the deliverable items articulated in the
37.25 approved work plan have been achieved,
37.26 including partial achievements as evidenced
37.27 by approved progress reports. Reasonable
37.28 amounts may be advanced to projects to
37.29 accommodate cash flow needs or match
37.30 federal money. The advances must be
37.31 approved as part of the work plan. No
37.32 expenditures for capital equipment are
37.33 allowed unless expressly authorized in the
37.34 project work plan.

37.35 (b) Single source contracts as specified in the
37.36 approved work plan are allowed.

38.1 Subd. 15. **Purchase of Recycled and Recyclable**
 38.2 **Materials**

38.3 A political subdivision, public or private
 38.4 corporation, or other entity that receives an
 38.5 appropriation under this section must use the
 38.6 appropriation in compliance with Minnesota
 38.7 Statutes, section 16C.0725, regarding
 38.8 purchase of recycled, repairable, and durable
 38.9 materials; and Minnesota Statutes, section
 38.10 16C.073, regarding purchase and use of
 38.11 paper stock and printing.

38.12 Subd. 16. **Energy Conservation and**
 38.13 **Sustainable Building Guidelines**

38.14 A recipient to whom an appropriation is made
 38.15 under this section for a capital improvement
 38.16 project must ensure that the project complies
 38.17 with the applicable energy conservation and
 38.18 sustainable building guidelines and standards
 38.19 contained in law, including Minnesota
 38.20 Statutes, sections 16B.325, 216C.19, and
 38.21 216C.20, and rules adopted under those
 38.22 sections. The recipient may use the energy
 38.23 planning, advocacy, and State Energy Office
 38.24 units of the Department of Commerce to
 38.25 obtain information and technical assistance
 38.26 on energy conservation and alternative
 38.27 energy development relating to the planning
 38.28 and construction of the capital improvement
 38.29 project.

38.30 Subd. 17. **Accessibility**

38.31 Structural and nonstructural facilities must
 38.32 meet the design standards in the Americans
 38.33 with Disabilities Act (ADA) accessibility
 38.34 guidelines.

39.1 Sec. 3. Minnesota Statutes 2014, section 116P.05, subdivision 2, is amended to read:

39.2 Subd. 2. **Duties.** (a) The commission shall recommend an annual or biennial
39.3 legislative bill for appropriations from the environment and natural resources trust fund and
39.4 shall adopt a strategic plan as provided in section 116P.08. Approval of the recommended
39.5 legislative bill requires an affirmative vote of at least 12 members of the commission.

39.6 (b) It is a condition of acceptance of the appropriations made from the Minnesota
39.7 environment and natural resources trust fund, and oil overcharge money under section
39.8 4.071, subdivision 2, that the agency or entity receiving the appropriation must
39.9 submit a work plan and semiannual progress reports in the form determined by the
39.10 Legislative-Citizen Commission on Minnesota Resources, and comply with applicable
39.11 reporting requirements under section 116P.16. None of the money provided may be
39.12 spent unless the commission has approved the pertinent work plan. Modifications to
39.13 the approved work plan and budget expenditures shall be made through the amendment
39.14 process established by the commission. The commission shall ensure that the expenditures
39.15 and outcomes described in the work plan for appropriations funded by the environment
39.16 and natural resources trust fund are met.

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

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

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

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

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

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

39.29 (4) provide for project outcome evaluation;

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

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

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

40.1 Subd. 5. **Public meetings.** (a) Meetings of the commission, committees or
 40.2 subcommittees of the commission, technical advisory committees, and peer review panels
 40.3 reviewers must be open to the public. The commission shall attempt to meet throughout
 40.4 various regions of the state during each biennium. For purposes of this subdivision, a
 40.5 meeting occurs when a quorum is present and action is taken regarding a matter within
 40.6 the jurisdiction of the commission, a committee or subcommittee of the commission, a
 40.7 technical advisory committee, or a peer review panel reviewers.

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

40.11 Sec. 5. Minnesota Statutes 2014, section 116P.08, subdivision 6, is amended to read:

40.12 Subd. 6. **Peer review.** (a) Research proposals must include a stated purpose directly
 40.13 connected to the trust fund's constitutional mandate, this chapter, and the adopted strategic
 40.14 plan under subdivision 3, a timeline, potential outcomes, and an explanation of the need
 40.15 for the research. All research proposals must be peer reviewed by a peer review panel
 40.16 before receiving an appropriation.

40.17 (b) In conducting research proposal reviews, the peer review panel reviewers shall:

40.18 (1) comment on the methodology proposed and whether it can be expected to yield
 40.19 appropriate and useful information and data; and

40.20 (2) comment on the need for the research and about similar existing information
 40.21 available, if any; and

40.22 ~~(3) report to the commission on clauses (1) and (2)~~ (c) Peer reviewers' comments
 40.23 under paragraph (b) must be reported to the commission.

40.24 ~~(e)~~ (d) The peer review panel ~~also must~~ reviewers may review completed research
 40.25 proposals that have received an appropriation and comment and report upon whether the
 40.26 project reached the intended goals.

40.27 Sec. 6. Minnesota Statutes 2014, section 116P.08, subdivision 7, is amended to read:

40.28 Subd. 7. **Peer review panel membership reviewers.** (a) The peer review panel
 40.29 reviewers must consist of at least five members who are be knowledgeable in general
 40.30 research methods in the areas of environment and natural resources. ~~Not more than two~~
 40.31 ~~members of the panel may be employees of state agencies in Minnesota.~~

40.32 (b) ~~The commission shall select a chair every two years who shall be responsible for~~
 40.33 ~~convening meetings of the panel as often as is necessary to fulfill its duties as prescribed~~

41.1 ~~in this section.~~ Compensation of ~~panel members~~ peer reviewers is governed by section
41.2 15.059, subdivision 3.

41.3 Sec. 7. Minnesota Statutes 2014, section 116P.09, subdivision 6, is amended to read:

41.4 Subd. 6. **Conflict of interest.** A commission member, a technical advisory
41.5 committee member, a peer review ~~panelist~~ reviewer, or an employee of the commission
41.6 may not participate in or vote on a decision of the commission, advisory committee, or
41.7 peer review ~~panel~~ relating to an organization in which the member, ~~panelist~~ peer reviewer,
41.8 or employee has either a direct or indirect personal financial interest. While serving on the
41.9 commission, technical advisory committee, ~~or as a peer review panel reviewer~~, or being
41.10 an employee of the commission, a person shall avoid any potential conflict of interest.

41.11 Sec. 8. Minnesota Statutes 2014, section 116P.09, subdivision 8, is amended to read:

41.12 Subd. 8. **Technical advisory committees.** The commission shall make use of
41.13 available public and private expertise on environment and natural resource issues ~~by~~
41.14 ~~appointing~~ and may appoint necessary technical advisory committees to review funding
41.15 proposals and evaluate project outcomes. Compensation for technical advisory committee
41.16 members is governed by section 15.059, subdivision 6.