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State of Minnesota

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HOUSE OF REPRESENTATIVES

EIGHTY-EIGHTH SESSION

H. F. No. 1874

02/25/2014 Authored by Persell, Wagenius, Lillie and McNamar
The bill was read for the first time and referred to the Committee on Environment, Natural Resources and Agriculture Finance
03/03/2014 Adoption of Report: Amended and re-referred to the Committee on Ways and Means
03/12/2014 Adoption of Report: Amended and Placed on the General Register
Read Second Time

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; modifying requirements for land acquisition with trust
1.5 fund money; amending Minnesota Statutes 2013 Supplement, section 116P.17;
1.6 repealing Minnesota Statutes 2012, section 116P.05, subdivision 3.

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

1.8 Section 1. APPROPRIATIONS.

1.9 The sums shown in the columns marked "Appropriations" are appropriated to
1.10 the agencies and for the purposes specified in this act. The appropriations are from
1.11 the environment and natural resources trust fund and are available for the fiscal years
1.12 indicated for each purpose. The figures "2014" and "2015" used in this article mean that
1.13 the appropriations listed under them are available for the fiscal year ending June 30, 2014,
1.14 or June 30, 2015, respectively. "The first year" is fiscal year 2014. "The second year" is
1.15 fiscal year 2015. "The biennium" is fiscal years 2014 and 2015.

Table with 2 columns: 2014, 2015. Header: APPROPRIATIONS Available for the Year Ending June 30

1.20 Sec. 2. MINNESOTA RESOURCES

1.21 Subdivision 1. Total Appropriation \$ -0- \$ 28,970,000

Table with 2 columns: 2014, 2015. Row: Appropriations by Fund Environment and natural resources trust fund

2.1 The amounts that may be spent for each  
 2.2 purpose are specified in the following  
 2.3 subdivisions.

2.4 Appropriations are available for two  
 2.5 years beginning July 1, 2014, unless  
 2.6 otherwise stated in the appropriation. Any  
 2.7 unencumbered balance remaining in the first  
 2.8 year does not cancel and is available for the  
 2.9 second year.

2.10 Subd. 2. **Definition**

2.11 "Trust fund" means the Minnesota  
 2.12 environment and natural resources trust fund  
 2.13 referred to in Minnesota Statutes, section  
 2.14 116P.02, subdivision 6.

2.15 Subd. 3. **Water Resources** -0- 4,579,000

2.16 (a) **Solar-Driven Destruction of Pesticides,**  
 2.17 **Pharmaceuticals, and Contaminants in Water**

2.18 \$291,000 the second year is from the  
 2.19 trust fund to the Board of Regents of the  
 2.20 University of Minnesota to quantify the  
 2.21 solar-driven destruction of contaminants  
 2.22 reacting with dissolved organic matter to  
 2.23 optimize water treatment methods and guide  
 2.24 reuse. This appropriation is available until  
 2.25 June 30, 2017, by which time the project must  
 2.26 be completed and final products delivered.

2.27 (b) **Methods to Protect Beneficial Bacteria from**  
 2.28 **Contaminants to Preserve Water Quality**

2.29 \$279,000 the second year is from the  
 2.30 trust fund to the Board of Regents of the  
 2.31 University of Minnesota to research how  
 2.32 and why bacteria that provide ecological  
 2.33 functions humans depend on for water  
 2.34 quality are affected by exposure to certain  
 2.35 man-made perfluorinated chemicals entering

3.1 the wastewater treatment system in order to  
3.2 identify methods that can be implemented to  
3.3 protect those bacterial functions from being  
3.4 degraded. This appropriation is available  
3.5 until June 30, 2017, by which time the  
3.6 project must be completed and final products  
3.7 delivered.

3.8 **(c) Triclosan Impacts on Wastewater Treatment**

3.9 \$380,000 the second year is from the  
3.10 trust fund to the Board of Regents of the  
3.11 University of Minnesota to assess the role  
3.12 of the commercially used antibacterial agent  
3.13 triclosan in creating antibiotic resistant  
3.14 bacteria during the municipal wastewater  
3.15 treatment process. This appropriation is  
3.16 available until June 30, 2017, by which time  
3.17 the project must be completed and final  
3.18 products delivered.

3.19 **(d) Evaluation of Wastewater Nitrogen and**  
3.20 **Estrogen Treatment Options**

3.21 \$500,000 the second year is from the  
3.22 trust fund to the Board of Regents of the  
3.23 University of Minnesota to examine the  
3.24 performance of new wastewater contaminant  
3.25 treatment options under Minnesota weather  
3.26 conditions in order to understand how to  
3.27 improve wastewater treatment of nitrogen  
3.28 and estrogenic compounds, decrease costs  
3.29 and energy use, and safeguard aquatic  
3.30 species. This appropriation is available until  
3.31 June 30, 2017, by which time the project must  
3.32 be completed and final products delivered.

3.33 **(e) Antibiotics and Antibiotic-Resistant Genes**  
3.34 **in Minnesota Lakes**

4.1 \$300,000 the second year is from the trust  
4.2 fund to the Board of Regents of the University  
4.3 of Minnesota to quantify the relationship  
4.4 between antibiotics and antibiotic-resistant  
4.5 bacteria in Minnesota lakes to determine if  
4.6 improved wastewater treatment is necessary  
4.7 to protect human and aquatic health. This  
4.8 appropriation is available until June 30,  
4.9 2017, by which time the project must be  
4.10 completed and final products delivered.

4.11 **(f) Impacts of Estrogen Exposure on**  
4.12 **Minnesota's Shallow Lake Wildlife**

4.13 \$136,000 the second year is from the trust  
4.14 fund to the commissioner of natural resources  
4.15 for an agreement with the University of  
4.16 St. Thomas to use biological samples  
4.17 already gathered from shallow lakes across  
4.18 Minnesota to determine the environmental  
4.19 estrogen exposure impacts on aquatic  
4.20 wildlife in shallow lakes for enhanced land  
4.21 and lake management. This appropriation  
4.22 is available until June 30, 2017, by which  
4.23 time the project must be completed and final  
4.24 products delivered.

4.25 **(g) Watershed-Scale Monitoring of Long-Term**  
4.26 **Best Management Practice Effectiveness**

4.27 \$900,000 the second year is from the trust  
4.28 fund to the Science Museum of Minnesota  
4.29 for the St. Croix Watershed Research  
4.30 Station to evaluate the effectiveness of best  
4.31 management practices in reducing sediment  
4.32 and nutrient loads at watershed scales over  
4.33 long time periods. This appropriation is  
4.34 available until June 30, 2017, by which time  
4.35 the project must be completed and final  
4.36 products delivered.

5.1 **(h) Protection of State's Confined Drinking**  
5.2 **Water Aquifers**

5.3 \$394,000 the second year is from the trust  
5.4 fund to the commissioner of natural resources  
5.5 for an agreement with the United States  
5.6 Geological Survey to test methods of defining  
5.7 properties of confined drinking water aquifers  
5.8 in order to improve water management.

5.9 This appropriation is available until June  
5.10 30, 2017, by which time the project must be  
5.11 completed and final products delivered.

5.12 **(i) Watershed Water Budgets for Managing**  
5.13 **Minnesota's Groundwater**

5.14 \$129,000 the second year is from the  
5.15 trust fund to the commissioner of natural  
5.16 resources for an agreement with the United  
5.17 States Geological Survey to create a pilot  
5.18 study to calculate complete watershed water  
5.19 budgets for two counties in Minnesota for  
5.20 enhanced groundwater management. This  
5.21 appropriation is available until June 30,  
5.22 2017, by which time the project must be  
5.23 completed and final products delivered.

5.24 **(j) Identifying Causes of Exceptionally High**  
5.25 **Mercury in Fish**

5.26 \$743,000 the second year is from the trust  
5.27 fund to the commissioner of the Pollution  
5.28 Control Agency to quantify the probable  
5.29 causes of high mercury levels in fish within  
5.30 the Roseau River and two tributaries of  
5.31 the Red River of the North, by comparing  
5.32 mercury movements within watersheds  
5.33 to understand the drivers of mercury  
5.34 biomagnifications in the food web of rivers  
5.35 with similarly high mercury levels, and to  
5.36 guide further mercury reduction initiatives.

6.1 This appropriation is available until June  
6.2 30, 2017, by which time the project must be  
6.3 completed and final products delivered.

6.4 **(k) Reducing Lake Quality Impairments**  
6.5 **through Citizen Action**

6.6 \$59,000 the second year is from the trust fund  
6.7 to the commissioner of natural resources for  
6.8 an agreement with the Freshwater Society to  
6.9 train lake associations and other stakeholder  
6.10 groups to develop lake management plans  
6.11 and to implement science-based, citizen-led  
6.12 water quality improvement projects on  
6.13 impaired lakes in west central Minnesota.

6.14 This appropriation is available until June  
6.15 30, 2017, by which time the project must be  
6.16 completed and final products delivered.

6.17 **(l) Rainwater Reuse and Valuation**  
6.18 **Investigation**

6.19 \$300,000 the second year is from the trust  
6.20 fund to the Board of Regents of the University  
6.21 of Minnesota to design, install, and monitor a  
6.22 rainwater reuse system for use in evaporative  
6.23 chiller systems and identify other potential  
6.24 applications for rainwater reuse systems.

6.25 **(m) Measuring Hydrologic Benefits from**  
6.26 **Glacial Ridge Habitat Restoration**

6.27 \$168,000 the second year is from the  
6.28 trust fund to the commissioner of natural  
6.29 resources for an agreement with the Red  
6.30 Lake Watershed District and the United  
6.31 States Geological Survey for completion of  
6.32 the analysis of flooding and water-quality  
6.33 benefits resulting from wetland and prairie  
6.34 restorations at Glacial Ridge National  
6.35 Wildlife Refuge.

7.1	<u>Subd. 4. <b>Aquatic and Terrestrial Invasive</b></u>		
7.2	<u>Species</u>	-0-	<u>2,298,000</u>

7.3 (a) **Blocking Bighead, Silver, and Other**  
 7.4 **Invasive Carp by Optimizing Lock and Dams**

7.5 \$854,000 the second year is from the  
 7.6 trust fund to the Board of Regents of the  
 7.7 University of Minnesota to collaborate with  
 7.8 the United States Army Corps of Engineers  
 7.9 to develop ways, including new technologies,  
 7.10 to modify the operations of Lock and Dam  
 7.11 Numbers 2 to 8 to optimize their ability to  
 7.12 impede invasive carp movement into the  
 7.13 Minnesota, St. Croix, and Mississippi Rivers.  
 7.14 This appropriation is available until June  
 7.15 30, 2017, by which time the project must be  
 7.16 completed and final products delivered.

7.17 (b) **Bioacoustics to Detect, Deter, and Eliminate**  
 7.18 **Silver Carp**

7.19 \$262,000 the second year is from the trust  
 7.20 fund to the Board of Regents of the University  
 7.21 of Minnesota-Duluth to develop bioacoustic  
 7.22 technology for detection and early warning  
 7.23 systems, capture and elimination methods,  
 7.24 and deterrent systems for silver carp. This  
 7.25 appropriation is available until June 30,  
 7.26 2017, by which time the project must be  
 7.27 completed and final products delivered.

7.28 (c) **Northwest Minnesota Regional Aquatic**  
 7.29 **Invasive Species Prevention Pilot**

7.30 \$219,000 the second year is from the  
 7.31 trust fund to the commissioner of natural  
 7.32 resources for an agreement with the Red  
 7.33 River Basin Commission to develop aquatic  
 7.34 invasive species prevention strategies on a  
 7.35 watershed scale and develop materials to  
 7.36 sustain watershed scale decision-making

8.1 and implementation. This initiative must  
8.2 be coordinated with the Department of  
8.3 Natural Resources and outdoor heritage fund  
8.4 activities for locally based invasive species  
8.5 control. Specific reporting and analysis of  
8.6 outcomes and findings of this alternative  
8.7 approach must be provided to enable  
8.8 duplication in other regions of the state.

8.9 **(d) Biosurveillance and Biocontrol of Emerald**  
8.10 **Ash Borer - Phase 2**

8.11 \$447,000 the second year is from the trust  
8.12 fund to the commissioner of agriculture  
8.13 in cooperation with the University of  
8.14 Minnesota to continue to monitor ash tree  
8.15 and emerald ash borer populations and  
8.16 expand the biological control implementation  
8.17 for emerald ash borer management. This  
8.18 appropriation is available until June 30,  
8.19 2017, by which time the project must be  
8.20 completed and final products delivered.

8.21 **(e) Mountain Pine Beetle Invasive Threat to**  
8.22 **Minnesota's Pines**

8.23 \$175,000 the second year is from the trust  
8.24 fund to the Board of Regents of the University  
8.25 of Minnesota and \$75,000 the second year  
8.26 is from the trust fund to the commissioner  
8.27 of agriculture to survey for the presence and  
8.28 characterize the potential risk of the invasive  
8.29 mountain pine beetle to Minnesota's pine  
8.30 forests to inform early detection and rapid  
8.31 response. This appropriation is available  
8.32 until June 30, 2017, by which time the  
8.33 project must be completed and final products  
8.34 delivered.

8.35 **(f) Brown Marmorated Stink Bug Monitoring**  
8.36 **and Biocontrol Evaluation**



9.1 \$99,000 the second year is from the trust  
 9.2 fund to the commissioner of agriculture  
 9.3 and \$167,000 the second year is from the  
 9.4 trust fund to the Board of Regents of the  
 9.5 University of Minnesota to monitor for brown  
 9.6 marmorated stink bugs to identify problem  
 9.7 areas, target biocontrol efforts, and evaluate  
 9.8 the suitability of candidate biological  
 9.9 control agents for use in Minnesota. This  
 9.10 appropriation is available until June 30,  
 9.11 2017, by which time the project must be  
 9.12 completed and final products delivered.

9.13 **Subd. 5. Foundational Natural Resource Data**  
 9.14 **and Information**

-0-

4,210,000

9.15 **(a) Update Statewide Land Cover Use Map**

9.16 \$300,000 the second year is from the trust  
 9.17 fund to the Board of Regents of the University  
 9.18 of Minnesota to update Minnesota's land  
 9.19 cover data at moderate spatial resolution  
 9.20 statewide and at high resolution for selected  
 9.21 areas, distribute products, and provide  
 9.22 training. This appropriation is available until  
 9.23 June 30, 2017, by which time the project must  
 9.24 be completed and final products delivered.

9.25 **(b) State Spring Inventory for Resource**  
 9.26 **Management and Protection**

9.27 \$200,000 the second year is from the  
 9.28 trust fund to the commissioner of natural  
 9.29 resources to develop necessary protocols,  
 9.30 processes, and definitions of springs along  
 9.31 with limited field testing of inventory  
 9.32 procedures in priority areas to enable a  
 9.33 systematic inventory of springs statewide  
 9.34 needed to maintain spring flows and protect  
 9.35 groundwater-dependent resources. This  
 9.36 appropriation is available until June 30,

10.1 2017, by which time the project must be  
10.2 completed and final products delivered.

10.3 **(c) Drainage Records Modernization and**  
10.4 **Statewide Geographic Information System**  
10.5 **Database**

10.6 \$230,000 the second year is from the  
10.7 trust fund to the Board of Water and  
10.8 Soil Resources to develop a template and  
10.9 Web-based geographic information system  
10.10 (GIS) database portal to facilitate statewide  
10.11 modernization of public drainage records  
10.12 under Minnesota Statutes, chapter 103E, and  
10.13 integrate new specifications into existing  
10.14 drainage records modernization guidelines.

10.15 This appropriation is available until June  
10.16 30, 2017, by which time the project must be  
10.17 completed and final products delivered.

10.18 **(d) Restoring Forest Inventory Data**

10.19 \$100,000 the second year is from the trust  
10.20 fund to the Board of Regents of the University  
10.21 of Minnesota to obtain and restore statewide  
10.22 forest inventories of 1935, 1953, and 1966  
10.23 to link with more recent data to improve  
10.24 understanding of historical forest trends and  
10.25 enhance long-term ecological monitoring.

10.26 **(e) Assessing Species Vulnerability to Climate**  
10.27 **Change Using Phenology**

10.28 \$175,000 the second year is from the  
10.29 trust fund to the Board of Regents of the  
10.30 University of Minnesota to compile and use  
10.31 historical datasets to assess change over  
10.32 time in the ecology of Minnesota species,  
10.33 identify vulnerable species, and inform  
10.34 management strategies for climate change.  
10.35 This appropriation is available until June

11.1 30, 2017, by which time the project must be  
11.2 completed and final products delivered.

11.3 **(f) Minnesota Breeding Bird Atlas - Final Phase**

11.4 \$300,000 the second year is from the trust  
11.5 fund to the commissioner of natural resources  
11.6 for an agreement with Audubon Minnesota to  
11.7 complete a statewide survey of Minnesota's  
11.8 breeding bird distributions through final  
11.9 analysis, preparation, and dissemination of  
11.10 information collected on an ongoing basis  
11.11 since 2008 on breeding birds in the state.

11.12 The completed atlas must be available for  
11.13 download from the Internet free of charge.

11.14 This appropriation is available until June  
11.15 30, 2017, by which time the project must be  
11.16 completed and final products delivered.

11.17 **(g) Assessing Contaminants in Minnesota's**  
11.18 **Loons and Pelicans - Phase 2**

11.19 \$260,000 the second year is from the trust  
11.20 fund to the commissioner of natural resources  
11.21 to continue to assess the potential impact  
11.22 of petroleum, dispersants, and heavy metal  
11.23 contaminants from the Deepwater Horizon oil  
11.24 spill in the Gulf of Mexico on the wintering  
11.25 habitat of Minnesota's common loons  
11.26 and white pelicans using radiotelemetry,  
11.27 geolocators, and contaminant analysis.

11.28 **(h) Sandhill Crane Populations and**  
11.29 **Management in Minnesota**

11.30 \$250,000 the second year is from the  
11.31 trust fund to the Board of Regents of  
11.32 the University of Minnesota to delineate  
11.33 population boundaries, habitat use relative to  
11.34 crop depredation, and migration patterns and  
11.35 survival of Minnesota's two populations of

12.1 sandhill cranes, Mid-continent and Eastern.

12.2 This appropriation is available until June  
12.3 30, 2017, by which time the project must be  
12.4 completed and final products delivered.

12.5 **(i) Wild Bee Pollinator Surveys in**  
12.6 **Prairie-Grassland Habitats**

12.7 \$370,000 the second year is from the trust  
12.8 fund to the commissioner of natural resources  
12.9 to assess the current status and distribution  
12.10 of wild bee pollinators in prairie-grassland  
12.11 habitats of Minnesota.

12.12 **(j) Imperiled Prairie Butterfly Conservation,**  
12.13 **Research, and Breeding Program**

12.14 \$380,000 the second year is from the trust  
12.15 fund to the Minnesota Zoological Garden  
12.16 and \$245,000 the second year is from the  
12.17 trust fund to the commissioner of natural  
12.18 resources to prevent the extirpation and  
12.19 possible extinction of imperiled native  
12.20 Minnesota butterfly species through  
12.21 breeding, genetics and mortality research,  
12.22 inventory, monitoring, and public education.

12.23 This appropriation is available until June  
12.24 30, 2017, by which time the project must be  
12.25 completed and final products delivered.

12.26 **(k) Conserving Minnesota's Native Freshwater**  
12.27 **Mussels**

12.28 \$350,000 the second year is from the  
12.29 trust fund to the Board of Regents of the  
12.30 University of Minnesota in cooperation  
12.31 with Macalester College to document  
12.32 native freshwater mussel abundance  
12.33 and distribution, quantify environmental  
12.34 conditions necessary to conserve Minnesota's  
12.35 native freshwater mussels, and conduct  
12.36 outreach to local organizations and the

13.1 public. This appropriation is available until  
13.2 June 30, 2018, by which time the project must  
13.3 be completed and final products delivered.

13.4 **(l) Impacts of Forest Quality on Declining**  
13.5 **Minnesota Moose**

13.6 \$300,000 the second year is from the  
13.7 trust fund to the Board of Regents of the  
13.8 University of Minnesota in cooperation with  
13.9 the Department of Natural Resources to  
13.10 link regional patterns of moose abundance  
13.11 through time to the distribution of food  
13.12 and cover and determine if this distribution  
13.13 affects the diet and survival of individual  
13.14 moose. This appropriation is available until  
13.15 June 30, 2017, by which time the project must  
13.16 be completed and final products delivered.

13.17 **(m) Moose Decline and Air Temperatures in**  
13.18 **Northeastern Minnesota**

13.19 \$600,000 the second year is from the  
13.20 trust fund to the commissioner of natural  
13.21 resources in cooperation with the University  
13.22 of Minnesota to study the physiology and  
13.23 behavior of adult moose and effects of female  
13.24 condition on calf production and survival to  
13.25 determine the impact of air temperature on  
13.26 moose population performance and decline.  
13.27 This appropriation is available until June  
13.28 30, 2017, by which time the project must be  
13.29 completed and final products delivered.

13.30 **(n) Expansion of Minnesota Wildflowers**  
13.31 **Online Botanical Reference**

13.32 \$150,000 the second year is from the  
13.33 trust fund to the commissioner of natural  
13.34 resources for an agreement with Minnesota  
13.35 Wildflowers Information to accelerate field  
13.36 work for surveying and imaging of plant

14.1 species and publication of species profiles  
 14.2 to a plant identification reference Web site  
 14.3 available to the public and land managers.  
 14.4 Images acquired and information compiled  
 14.5 using these funds are for purposes of public  
 14.6 information available on a Web site. If the  
 14.7 organization is no longer able to maintain the  
 14.8 Web site, the organization shall work with  
 14.9 the state and the University of Minnesota  
 14.10 Bell Museum of Natural History to ensure  
 14.11 the materials remain publicly available on  
 14.12 the Web. This appropriation is available until  
 14.13 June 30, 2017, by which time the project must  
 14.14 be completed and final products delivered.

14.15 **Subd. 6. Methods to Protect, Restore, and**  
 14.16 **Enhance Land, Water, and Habitat**

-0-

3,675,000

14.17 **(a) Enhancing Pollinator Landscapes**

14.18 \$864,000 the second year is from the  
 14.19 trust fund to the Board of Regents of the  
 14.20 University of Minnesota to identify sources  
 14.21 of nectar and pollen for native pollinators  
 14.22 and honey bees and coordinate ongoing and  
 14.23 future efforts to enhance pollinator habitat  
 14.24 and opportunities for pollinator nesting and  
 14.25 foraging. This appropriation is available until  
 14.26 June 30, 2017, by which time the project must  
 14.27 be completed and final products delivered.

14.28 **(b) Understanding Systemic Insecticides as**  
 14.29 **Protection Strategy for Bees**

14.30 \$326,000 the second year is from the  
 14.31 trust fund to the Board of Regents of the  
 14.32 University of Minnesota to continue research  
 14.33 on how native bee and honey bee colonies  
 14.34 are impacted by systemic, neonicotinyl  
 14.35 insecticides in pollen and nectar of plants  
 14.36 growing in fields and landscapes. This

15.1 appropriation is available until June 30,  
15.2 2017, by which time the project must be  
15.3 completed and final products delivered.

15.4 **(c) Prairie Sustainability Through Seed**  
15.5 **Storage, Beneficial Microbes, and Adaptation**

15.6 \$600,000 the second year is from the  
15.7 trust fund to the Board of Regents of the  
15.8 University of Minnesota to collect and  
15.9 preserve germplasm of plants throughout  
15.10 Minnesota's prairie region, study the  
15.11 microbial effects that promote plant health,  
15.12 analyze local adaptation, and evaluate the  
15.13 adaptive capacity of prairie plant populations.

15.14 This appropriation is available until June  
15.15 30, 2017, by which time the project must be  
15.16 completed and final products delivered.

15.17 **(d) Northeast Minnesota White Cedar**  
15.18 **Restoration – Phase 2**

15.19 \$335,000 the second year is from the trust  
15.20 fund to the Board of Water and Soil Resources  
15.21 to continue an assessment of the decline of  
15.22 northern white cedar plant communities in  
15.23 northeast Minnesota, demonstrate restoration  
15.24 techniques, and provide cedar restoration  
15.25 training to local units of government. This  
15.26 appropriation is available until June 30,  
15.27 2017, by which time the project must be  
15.28 completed and final products delivered.

15.29 **(e) Southeast Minnesota Watershed Protection**  
15.30 **Plan**

15.31 \$200,000 the second year is from the  
15.32 trust fund to the commissioner of natural  
15.33 resources for an agreement with The Nature  
15.34 Conservancy to provide a framework and  
15.35 plans for the protection and stewardship of  
15.36 unimpaired waters in southeast Minnesota.

16.1 The result will be a template for watershed  
16.2 protection in Minnesota. This appropriation  
16.3 is available until June 30, 2017, by which  
16.4 time the project must be completed and final  
16.5 products delivered.

16.6 **(f) Upland and Shoreline Restoration in**  
16.7 **Greater Metropolitan Area**

16.8 \$300,000 the second year is from the  
16.9 trust fund to the commissioner of natural  
16.10 resources for an agreement with Great River  
16.11 Greening to restore and enhance upland,  
16.12 shoreline, and approximately 150 acres of  
16.13 forests, woodlands, savanna, and prairie and  
16.14 to provide related educational opportunities  
16.15 for volunteers in the greater metropolitan  
16.16 area. A list of proposed restorations and  
16.17 enhancements must be provided as part of  
16.18 the required work plan. This appropriation  
16.19 is available until June 30, 2017, by which  
16.20 time the project must be completed and final  
16.21 products delivered.

16.22 **(g) Prairie, Forest, and Savanna Restoration in**  
16.23 **Greater Metropolitan Area**

16.24 \$200,000 the second year is from the trust  
16.25 fund to the commissioner of natural resources  
16.26 for an agreement with Friends of the  
16.27 Mississippi River to restore approximately  
16.28 150 acres of prairie, forests, and oak savanna  
16.29 in the greater metropolitan area. A list of  
16.30 proposed restorations and enhancements  
16.31 must be provided as part of the required work  
16.32 plan. This appropriation is available until  
16.33 June 30, 2017, by which time the project must  
16.34 be completed and final products delivered.

16.35 **(h) Nutrient Capture through Water**  
16.36 **Management and Biomass Harvesting**



17.1 \$300,000 the second year is from the trust  
17.2 fund to the commissioner of natural resources  
17.3 for an agreement with the Red River Basin  
17.4 Commission to evaluate the potential capture  
17.5 of excess nutrients using cattails grown and  
17.6 harvested within shallow flood reservoirs  
17.7 for bioenergy use. This appropriation is  
17.8 available until June 30, 2017, by which time  
17.9 the project must be completed and final  
17.10 products delivered.

17.11 **(i) Cattail Management for Wetland Wildlife**  
17.12 **and Bioenergy Potential**

17.13 \$74,000 the second year is from the trust fund  
17.14 to the Board of Regents of the University of  
17.15 Minnesota for the Northwest Research and  
17.16 Outreach Center in Crookston to evaluate  
17.17 different management techniques for cattail  
17.18 control and related wildlife impacts in  
17.19 northwest Minnesota and to assess the use of  
17.20 cattails as a biofuel feedstock.

17.21 **(j) Dredged Sediment for Forest Restoration on**  
17.22 **Unproductive Minelands**

17.23 \$300,000 the second year is from the  
17.24 trust fund to the Board of Regents of the  
17.25 University of Minnesota–Duluth for the  
17.26 Natural Resources Research Institute to  
17.27 restore up to 136 acres of unproductive mine  
17.28 stockpile while improving the treatment  
17.29 of municipal sewage and biosolids near  
17.30 Virginia using clean Erie Pier dredged  
17.31 sediment and managed forestry techniques.  
17.32 This appropriation is available until June  
17.33 30, 2018, by which time the project must be  
17.34 completed and final products delivered.

17.35 **(k) Expansion of Greenhouse Production**

18.1 \$176,000 the second year is from the  
 18.2 trust fund to the commissioner of natural  
 18.3 resources for an agreement with the city  
 18.4 of Silver Bay to expand and enhance a  
 18.5 city-owned greenhouse facility to increase  
 18.6 system production for locally grown food on  
 18.7 a year-round basis and reduce water usage.

18.8 **Subd. 7. Land Acquisition for Habitat and**  
 18.9 **Recreation**

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6,923,000

18.10 **(a) Scientific and Natural Area Acquisition,**  
 18.11 **Restoration, Improvement, and Citizen**  
 18.12 **Engagement**

18.13 \$2,540,000 the second year is from the  
 18.14 trust fund to the commissioner of natural  
 18.15 resources to acquire lands with high-quality  
 18.16 native plant communities and rare features to  
 18.17 be established as scientific and natural areas  
 18.18 as provided in Minnesota Statutes, section  
 18.19 86A.05, subdivision 5, restore and improve  
 18.20 parts of scientific and natural areas, and  
 18.21 provide technical assistance and outreach. A  
 18.22 list of proposed acquisitions must be provided  
 18.23 as part of the required work program. Land  
 18.24 acquired with this appropriation must  
 18.25 be sufficiently improved to meet at least  
 18.26 minimum management standards, as  
 18.27 determined by the commissioner of natural  
 18.28 resources. This appropriation is available  
 18.29 until June 30, 2017, by which time the  
 18.30 project must be completed and final products  
 18.31 delivered.

18.32 **(b) Metropolitan Regional Park System**  
 18.33 **Acquisition**

18.34 \$1,500,000 the second year is from the  
 18.35 trust fund to the Metropolitan Council for  
 18.36 grants for the acquisition of lands within

19.1 the approved park unit boundaries of the  
19.2 metropolitan regional park system. This  
19.3 appropriation may not be used for the  
19.4 purchase of habitable residential structures.  
19.5 A list of proposed fee title and easement  
19.6 acquisitions must be provided as part of the  
19.7 required work program. This appropriation  
19.8 must be matched by at least 40 percent of  
19.9 nonstate money that must be committed by  
19.10 December 31, 2014, or the appropriation  
19.11 ends. This appropriation is available until  
19.12 June 30, 2017, by which time the project must  
19.13 be completed and final products delivered.

19.14 **(c) Mesabi Trail Development – Soudan to Ely**  
19.15 **Segment**

19.16 \$1,000,000 the second year is from the  
19.17 trust fund to the commissioner of natural  
19.18 resources for an agreement with St. Louis  
19.19 and Lake Counties Regional Rail Authority  
19.20 for the right-of-way acquisition, design, and  
19.21 construction of segments of the Mesabi Trail  
19.22 totaling approximately 18 miles between  
19.23 Soudan and Ely. This appropriation is  
19.24 available until June 30, 2017, by which time  
19.25 the project must be completed and final  
19.26 products delivered.

19.27 **(d) Shoreland Acquisition on St. Croix River**

19.28 \$1,250,000 the second year is from the trust  
19.29 fund to the commissioner of natural resources  
19.30 for an agreement with Washington County to  
19.31 purchase 15 acres, encompassing 3,500 feet  
19.32 of St. Croix shoreland paralleling Brown's  
19.33 Creek State Trail in the city of Stillwater. The  
19.34 county will transfer the parcel to the city of  
19.35 Stillwater. This appropriation is contingent

20.1 on the expenditure of at least \$2,500,000 of  
 20.2 nonstate match.

20.3 **(e) Martin County Park and Natural Area**  
 20.4 **Acquisition**

20.5 \$435,000 the second year is from the  
 20.6 trust fund to the commissioner of natural  
 20.7 resources for an agreement with the Fox  
 20.8 Lake Conservation League, Inc. and Martin  
 20.9 County to acquire approximately 40 acres  
 20.10 in Martin County, including a ten-acre  
 20.11 prairie remnant to be owned and managed  
 20.12 by Martin County as part of its park system.

20.13 A vegetation management plan must be  
 20.14 developed and implemented and public  
 20.15 access must be provided to the native prairie  
 20.16 remnant. This appropriation is available until  
 20.17 June 30, 2017, by which time the project must  
 20.18 be completed and final products delivered.

20.19 **(f) Minnesota River Water Trailhead and**  
 20.20 **Landing in Morton**

20.21 \$198,000 the second year is from the trust  
 20.22 fund to the commissioner of natural resources  
 20.23 for an agreement with the city of Morton to  
 20.24 acquire 31 acres for a Minnesota River water  
 20.25 trailhead and canoe landing and to design and  
 20.26 build interpretative trails around the landing  
 20.27 complex. This appropriation is available until  
 20.28 June 30, 2017, by which time the project must  
 20.29 be completed and final products delivered.

20.30 **Subd. 8. Air Quality, Climate Change, and**  
 20.31 **Renewable Energy**

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3,360,000

20.32 **(a) Solar Cell Materials from Sulfur and**  
 20.33 **Common Metals**

20.34 \$494,000 the second year is from the  
 20.35 trust fund to the Board of Regents of the  
 20.36 University of Minnesota to develop solar cell

21.1 materials using nontoxic and common metals  
21.2 combined with sulfur. This appropriation  
21.3 is subject to Minnesota Statutes, section  
21.4 116P.10. This appropriation is available until  
21.5 June 30, 2017, by which time the project must  
21.6 be completed and final products delivered.

21.7 **(b) Innovative Groundwater-Enhanced**  
21.8 **Geothermal Heat Pump Study**

21.9 \$196,000 the second year is from the  
21.10 trust fund to the Board of Regents of the  
21.11 University of Minnesota to analyze and  
21.12 validate a new geothermal pump method and  
21.13 technology that will reduce heat pump costs  
21.14 and improve performance and predictability.  
21.15 This appropriation is subject to Minnesota  
21.16 Statutes, section 116P.10.

21.17 **(c) Demonstrating Innovative Technologies to**  
21.18 **Fully Utilize Wastewater Resources**

21.19 \$1,000,000 the second year is from the  
21.20 trust fund to the Board of Regents of the  
21.21 University of Minnesota to demonstrate  
21.22 innovative technologies to utilize and  
21.23 treat wastewater streams for conversion  
21.24 of treatment by-products to biofuels. This  
21.25 appropriation is subject to Minnesota  
21.26 Statutes, section 116P.10. This appropriation  
21.27 is available until June 30, 2017, by which  
21.28 time the project must be completed and final  
21.29 products delivered.

21.30 **(d) Transitioning Minnesota Farms to Local**  
21.31 **Energy**

21.32 \$500,000 the second year is from the trust  
21.33 fund to the Board of Regents of the University  
21.34 of Minnesota for the West Central Research  
21.35 and Outreach Center in Morris to develop  
21.36 clean energy strategies for Minnesota farms

22.1 in order to reduce fossil fuel energy use  
22.2 and increase local energy production. Any  
22.3 installation of infrastructure or improvements  
22.4 must be at the University of Minnesota West  
22.5 Central Research and Outreach Center. This  
22.6 appropriation is available until June 30,  
22.7 2017, by which time the project must be  
22.8 completed and final products delivered.

22.9 **(e) Life Cycle Energy of Renewably Produced**  
22.10 **Nitrogen Fertilizers**

22.11 \$250,000 the second year is from the trust  
22.12 fund to the Board of Regents of the University  
22.13 of Minnesota for the West Central Research  
22.14 and Outreach Center in Morris to calculate  
22.15 fossil fuel energy savings and greenhouse  
22.16 gas reductions resulting from the use of local  
22.17 renewable energy technologies, including  
22.18 biomass gasification, anaerobic digestion,  
22.19 and hydroelectricity to produce fertilizer.  
22.20 This appropriation is available until June  
22.21 30, 2017, by which time the project must be  
22.22 completed and final products delivered.

22.23 **(f) Clean Water and Renewable Energy from**  
22.24 **Beet Processing Wastewater and Manure**

22.25 \$400,000 the second year is from the  
22.26 trust fund to the Board of Regents of the  
22.27 University of Minnesota for the Southern  
22.28 Research and Outreach Center in Waseca to  
22.29 research the cofermentation of sugar beet  
22.30 processing wastewater and swine manure  
22.31 for hydrogen and methane production and  
22.32 to install and evaluate a pilot-scale system.  
22.33 This appropriation is subject to Minnesota  
22.34 Statutes, section 116P.10. This appropriation  
22.35 is available until June 30, 2017, by which

- 23.1 time the project must be completed and final  
23.2 products delivered.
- 23.3 **(g) Next Generation Large-Scale Septic Tank**  
23.4 **Systems**
- 23.5 \$258,000 the second year is from the  
23.6 trust fund to the Board of Regents of the  
23.7 University of Minnesota to develop a  
23.8 dual utility large-scale septic tank system  
23.9 designed for nutrient recuperation, bioenergy  
23.10 generation, and environmental protection  
23.11 using a bio-electrochemical system. This  
23.12 appropriation is subject to Minnesota  
23.13 Statutes, section 116P.10. This appropriation  
23.14 is available until June 30, 2017, by which  
23.15 time the project must be completed and final  
23.16 products delivered.
- 23.17 **(h) Solar Photovoltaic Installation at**  
23.18 **Residential Environmental Learning Centers**
- 23.19 \$150,000 the second year is from the trust  
23.20 fund to the commissioner of natural resources  
23.21 for an agreement with Deep Portage Learning  
23.22 Center to coordinate with Audubon Center of  
23.23 the North Woods; Eagle Bluff Environmental  
23.24 Learning Center; Laurentian Environmental  
23.25 Learning Center; Long Lake Conservation  
23.26 Center; and Wolf Ridge Environmental  
23.27 Learning Center the installation of at least  
23.28 five kilowatt institutional solar arrays at  
23.29 each of the six residential environmental  
23.30 learning centers as a teaching tool. Prior  
23.31 to the installation, the proposed placement  
23.32 of the solar arrays must be submitted to  
23.33 the Legislative-Citizen Commission on  
23.34 Minnesota Resources office to ensure the  
23.35 demonstration of the maximum educational  
23.36 value.

24.1 **(i) Itasca Community College Woody Biomass**  
 24.2 **Utilization Project Design**

24.3 \$112,000 the second year is from the trust  
 24.4 fund to the commissioner of natural resources  
 24.5 for an agreement with Itasca Community  
 24.6 College to develop a final design for  
 24.7 installation of a boiler heating system using  
 24.8 woody biomass. Students at the college must  
 24.9 be involved in the final design process.

24.10 **Subd. 9. Environmental Education** -0- 3,681,000

24.11 **(a) Minnesota Conservation Apprenticeship**  
 24.12 **Academy**

24.13 \$392,000 the second year is from the  
 24.14 trust fund to the Board of Water and Soil  
 24.15 Resources in cooperation with Conservation  
 24.16 Corps Minnesota to continue a program  
 24.17 to train and mentor future conservation  
 24.18 professionals by providing apprenticeship  
 24.19 service opportunities with soil and water  
 24.20 conservation districts. This appropriation  
 24.21 is available until June 30, 2017, by which  
 24.22 time the project must be completed and final  
 24.23 products delivered.

24.24 **(b) Youth-led Sustainability Initiatives in 40**  
 24.25 **Greater Minnesota Communities**

24.26 \$350,000 the second year is from the  
 24.27 trust fund to the commissioner of natural  
 24.28 resources for an agreement with Prairie  
 24.29 Woods Environmental Learning Center in  
 24.30 cooperation with Laurentian Environmental  
 24.31 Learning Center to complete over 100  
 24.32 youth-led sustainability action projects in 40  
 24.33 communities in southwest, southeast, central  
 24.34 and northeastern Minnesota.



25.1 **(c) Urban Environmental Education Engaging**  
 25.2 **Students in Local Resources**

25.3 \$1,093,000 the second year is from the trust  
 25.4 fund to the commissioner of natural resources  
 25.5 for an agreement with Wilderness Inquiry  
 25.6 for a collaborative partnership, including the  
 25.7 National Park Service, Minneapolis Public  
 25.8 Schools, and St. Paul Public Schools, to  
 25.9 establish a metrowide system providing  
 25.10 place-based environmental education  
 25.11 experiences using existing, but underutilized,  
 25.12 outdoor environmental resources serving  
 25.13 over 15,000 middle and high school students.

25.14 This appropriation is available until June  
 25.15 30, 2017, by which time the project must be  
 25.16 completed and final products delivered.

25.17 **(d) Diversifying Involvement in the Natural**  
 25.18 **Resources Community**

25.19 \$416,000 the second year is from the  
 25.20 trust fund to the commissioner of natural  
 25.21 resources and \$84,000 is to the Board of  
 25.22 Regents of the University of Minnesota to  
 25.23 increase participation of under-represented  
 25.24 communities in the natural resource  
 25.25 professions and in outdoor recreation by  
 25.26 means of targeted urban outreach and  
 25.27 stronger linkages between Department of  
 25.28 Natural Resources programs and academic  
 25.29 offerings. This initiative must be coordinated  
 25.30 with other environmental education  
 25.31 appropriations in this subdivision. This  
 25.32 appropriation is available until June 30,  
 25.33 2017, by which time the project must be  
 25.34 completed and final products delivered.

25.35 **(e) Educating Minnesotans about Potential**  
 25.36 **Impacts of Changing Climate**

26.1 \$325,000 the second year is from the trust  
26.2 fund to the commissioner of natural resources  
26.3 for an agreement with the Will Steger  
26.4 Foundation to plan and conduct forums,  
26.5 workshops, and trainings on Minnesota's  
26.6 changing climate and the potential impacts  
26.7 on ecosystems and natural resources. An  
26.8 accompanying television program and  
26.9 information spots must be produced for  
26.10 broadcast and use at the forums.

26.11 **(f) Pollinator Education Center at the**  
26.12 **Minnesota Landscape Arboretum**

26.13 \$615,000 the second year is from the  
26.14 trust fund to the Board of Regents of the  
26.15 University of Minnesota to develop exhibits  
26.16 for an educational center that will offer  
26.17 hands-on learning experience about the role  
26.18 of pollinators and importance of pollinator  
26.19 habitat. Exhibits must utilize and integrate  
26.20 the best available science pertaining to  
26.21 all pollinator types, particularly native  
26.22 species. Approval of the work plan for  
26.23 this appropriation is contingent upon the  
26.24 organization addressing how it will increase  
26.25 access to the center by youth at no or limited  
26.26 cost.

26.27 **(g) Minnesota Pollinator Partnership**

26.28 \$100,000 the second year is from the trust  
26.29 fund to the commissioner of natural resources  
26.30 for an agreement with Pheasants Forever to  
26.31 complete 40 community pollinator education  
26.32 and habitat projects. This appropriation  
26.33 must be coordinated with appropriations  
26.34 provided by the outdoor heritage fund. This  
26.35 appropriation is available until June 30,

27.1 2017, by which time the project must be  
 27.2 completed and final products delivered.

27.3 **(h) Raptor Center Integrating Online and**  
 27.4 **Outdoor Learning Environments**

27.5 \$186,000 the second year is from the  
 27.6 trust fund to the Board of Regents of the  
 27.7 University of Minnesota for the Raptor  
 27.8 Center to develop an environmental  
 27.9 education program on raptors for middle  
 27.10 schools that integrates outdoor experiences  
 27.11 with technology and scientific investigation.

27.12 **(i) Wolf Management Education**

27.13 \$120,000 the second year is from the trust  
 27.14 fund to the commissioner of natural resources  
 27.15 for an agreement with the International  
 27.16 Wolf Center for outreach to metro area  
 27.17 kindergarten through grade 12 classrooms  
 27.18 and nature centers to help children understand  
 27.19 wolf management issues.

27.20 **Subd. 10. Administration and Contract**  
 27.21 **Agreement Reimbursement**

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244,000

27.22 **(a) Contract Agreement Reimbursement**

27.23 \$135,000 the second year is from  
 27.24 the trust fund to the commissioner of  
 27.25 natural resources at the direction of  
 27.26 the Legislative-Citizen Commission on  
 27.27 Minnesota Resources for expenses incurred  
 27.28 for contract agreement reimbursement for  
 27.29 the agreements specified in this section. The  
 27.30 commissioner shall provide documentation  
 27.31 to the Legislative-Citizen Commission on  
 27.32 Minnesota Resources on the expenditure of  
 27.33 these funds.

27.34 **(b) Legislative Coordinating Commission**  
 27.35 **Legacy Web Site**

28.1 \$9,000 the second year is from the trust fund  
28.2 to the Legislative Coordinating Commission  
28.3 for the Web site required in Minnesota  
28.4 Statutes, section 3.303, subdivision 10.

28.5 **(c) Legislative-Citizen Commission on**  
28.6 **Minnesota Resources (LCCMR)**

28.7 \$100,000 the second year is from the  
28.8 trust fund to the LCCMR for upgrade  
28.9 and modernization of a project records  
28.10 management system.

28.11 **Subd. 11. Availability of Appropriations**

28.12 Money appropriated in this section may  
28.13 not be spent on activities unless they are  
28.14 directly related to and necessary for a specific  
28.15 appropriation and are specified in the work  
28.16 plan approved by the Legislative-Citizen  
28.17 Commission on Minnesota Resources.

28.18 Money appropriated in this section must  
28.19 not be spent on indirect costs or other  
28.20 institutional overhead charges that are  
28.21 not directly related to and necessary for  
28.22 a specific appropriation. Costs that are  
28.23 directly related to and necessary for an  
28.24 appropriation, including financial services,  
28.25 human resources, information services, rent,  
28.26 and utilities, are eligible only if the costs  
28.27 can be clearly justified and individually  
28.28 documented specific to the appropriation's  
28.29 purpose and would not be generated by  
28.30 the recipient but for the receipt of the  
28.31 appropriation. No broad allocations for costs  
28.32 in either dollars or percentages are allowed.

28.33 Unless otherwise provided, the amounts in  
28.34 this section are available until June 30, 2016,  
28.35 when projects must be completed and final

29.1 products delivered. For acquisition of real  
29.2 property, the appropriations in this section  
29.3 are available for an additional fiscal year if a  
29.4 binding contract for acquisition of the real  
29.5 property is entered into before the original  
29.6 expiration date of the appropriation. If a  
29.7 project receives a federal grant, the time  
29.8 period of the appropriation is extended to  
29.9 equal the federal grant period.

29.10 **Subd. 12. Data Availability Requirements**

29.11 Data collected by the projects funded under  
29.12 this section must conform to guidelines  
29.13 and standards adopted by MN.IT Services.  
29.14 Spatial data also must conform to additional  
29.15 guidelines and standards designed to support  
29.16 data coordination and distribution that have  
29.17 been published by the Minnesota Geospatial  
29.18 Information Office. Descriptions of spatial  
29.19 data must be prepared as specified in  
29.20 the state's geographic metadata guideline  
29.21 and must be submitted to the Minnesota  
29.22 Geospatial Information Office. All data must  
29.23 be accessible and free to the public unless  
29.24 made private under the Data Practices Act,  
29.25 Minnesota Statutes, chapter 13. To the extent  
29.26 practicable, summary data and results of  
29.27 projects funded under this section should  
29.28 be readily accessible on the Internet and  
29.29 identified as having received funding from  
29.30 the environment and natural resources trust  
29.31 fund.

29.32 **Subd. 13. Project Requirements**

29.33 (a) As a condition of accepting an  
29.34 appropriation under this section, any agency  
29.35 or entity receiving an appropriation or a

30.1 party to an agreement from an appropriation  
30.2 must comply with paragraphs (b) to (k)  
30.3 and Minnesota Statutes, chapter 116P, and  
30.4 must submit a work plan and semiannual  
30.5 progress reports in the form determined  
30.6 by the Legislative-Citizen Commission on  
30.7 Minnesota Resources for any project funded  
30.8 in whole or in part with funds from the  
30.9 appropriation. Modifications to the approved  
30.10 work plan and budget expenditures shall  
30.11 be made through the amendment process  
30.12 established by the Legislative-Citizen  
30.13 Commission on Minnesota Resources.

30.14 (b) For all restorations conducted with  
30.15 money appropriated under this section,  
30.16 a recipient must prepare an ecological  
30.17 restoration and management plan that, to  
30.18 the degree practicable, is consistent with the  
30.19 highest quality conservation and ecological  
30.20 goals for the restoration site. Consideration  
30.21 should be given to soil, geology, topography,  
30.22 and other relevant factors that would provide  
30.23 the best chance for long-term success of the  
30.24 restoration projects. The plan must include  
30.25 the proposed timetable for implementing  
30.26 the restoration, including site preparation,  
30.27 establishment of diverse plant species,  
30.28 maintenance, and additional enhancement to  
30.29 establish the restoration; identify long-term  
30.30 maintenance and management needs of  
30.31 the restoration and how the maintenance,  
30.32 management, and enhancement will be  
30.33 financed; and take advantage of the best  
30.34 available science and include innovative  
30.35 techniques to achieve the best restoration.

31.1 (c) Any entity receiving an appropriation in  
31.2 this section for restoration activities must  
31.3 provide an initial restoration evaluation  
31.4 at the completion of the appropriation  
31.5 and an evaluation three years beyond the  
31.6 completion of the expenditure. Restorations  
31.7 must be evaluated relative to the stated  
31.8 goals and standards in the restoration plan,  
31.9 current science, and, when applicable, the  
31.10 Board of Water and Soil Resources' native  
31.11 vegetation establishment and enhancement  
31.12 guidelines. The evaluation shall determine  
31.13 whether the restorations are meeting planned  
31.14 goals, identify any problems with the  
31.15 implementation of the restorations, and,  
31.16 if necessary, give recommendations on  
31.17 improving restorations. The evaluation shall  
31.18 be focused on improving future restorations.

31.19 (d) All restoration and enhancement projects  
31.20 funded with money appropriated in this  
31.21 section must be on land permanently  
31.22 protected by a conservation easement or  
31.23 public ownership.

31.24 (e) A recipient of money from an  
31.25 appropriation under this section must  
31.26 give consideration to contracting with  
31.27 Conservation Corps Minnesota for contract  
31.28 restoration and enhancement services.

31.29 (f) All conservation easements acquired with  
31.30 money appropriated under this section must:

31.31 (1) be perpetual;  
31.32 (2) specify the parties to an easement in the  
31.33 easement;  
31.34 (3) specify all of the provisions of an  
31.35 agreement that are perpetual;

32.1 (4) be sent to the Legislative-Citizen  
32.2 Commission on Minnesota Resources in an  
32.3 electronic format at least ten business days  
32.4 prior to closing;

32.5 (5) include a long-term monitoring and  
32.6 enforcement plan and funding for monitoring  
32.7 and enforcing the easement agreement; and

32.8 (6) include requirements in the easement  
32.9 document to address specific groundwater  
32.10 and surface water quality protection activities  
32.11 such as keeping water on the landscape,  
32.12 reducing nutrient and contaminant loading,  
32.13 protecting groundwater, and not permitting  
32.14 artificial hydrological modifications.

32.15 (g) For any acquisition of land or interest in  
32.16 land, a recipient of money appropriated under  
32.17 this section must give priority to high-quality  
32.18 natural resources or conservation lands that  
32.19 provide natural buffers to water resources.

32.20 (h) For new lands acquired with money  
32.21 appropriated under this section, a recipient  
32.22 must prepare an ecological restoration  
32.23 and management plan in compliance with  
32.24 paragraph (b), including sufficient funding  
32.25 for implementation unless the work plan  
32.26 addresses why a portion of the money is  
32.27 not necessary to achieve a high-quality  
32.28 restoration.

32.29 (i) To the extent an appropriation is used to  
32.30 acquire an interest in real property, a recipient  
32.31 of an appropriation under this section  
32.32 must provide to the Legislative-Citizen  
32.33 Commission on Minnesota Resources and  
32.34 the commissioner of management and budget  
32.35 an analysis of increased operation and



33.1 maintenance costs likely to be incurred by  
33.2 public entities as a result of the acquisition  
33.3 and how these costs are to be paid.

33.4 (j) To ensure public accountability for  
33.5 the use of public funds, within 60 days  
33.6 of the transaction, a recipient of money  
33.7 appropriated under this section must provide  
33.8 to the Legislative-Citizen Commission on  
33.9 Minnesota Resources documentation of the  
33.10 selection process used to identify parcels  
33.11 acquired and provide documentation of all  
33.12 related transaction costs, including but not  
33.13 limited to appraisals, legal fees, recording  
33.14 fees, commissions, other similar costs,  
33.15 and donations. This information must be  
33.16 provided for all parties involved in the  
33.17 transaction. The recipient must also report  
33.18 to the Legislative-Citizen Commission on  
33.19 Minnesota Resources any difference between  
33.20 the acquisition amount paid to the seller and  
33.21 the state-certified or state-reviewed appraisal,  
33.22 if a state-certified or state-reviewed appraisal  
33.23 was conducted.

33.24 (k) A recipient of an appropriation from  
33.25 the trust fund under this section must  
33.26 acknowledge financial support from  
33.27 the Minnesota environment and natural  
33.28 resources trust fund in project publications,  
33.29 signage, and other public communications  
33.30 and outreach related to work completed  
33.31 using the appropriation. Acknowledgement  
33.32 may occur, as appropriate, through use of  
33.33 the trust fund logo or inclusion of language  
33.34 attributing support from the trust fund. Each  
33.35 direct recipient of money appropriated in  
33.36 this section, as well as each recipient of a

34.1 grant awarded pursuant to this section, must  
34.2 satisfy all reporting and other requirements  
34.3 incumbent upon constitutionally dedicated  
34.4 funding recipients as provided in Minnesota  
34.5 Statutes, section 3.303, subdivision 10, and  
34.6 chapter 116P.

34.7 **Subd. 14. Payment Conditions and Capital**  
34.8 **Equipment Expenditures**

34.9 (a) All agreements, grants, or contracts  
34.10 referred to in this section must be  
34.11 administered on a reimbursement basis  
34.12 unless otherwise provided in this section.  
34.13 Notwithstanding Minnesota Statutes, section  
34.14 16A.41, expenditures made on or after  
34.15 July 1, 2014, or the date the work plan is  
34.16 approved, whichever is later, are eligible for  
34.17 reimbursement unless otherwise provided  
34.18 in this section. Periodic payment must be  
34.19 made upon receiving documentation that  
34.20 the deliverable items articulated in the  
34.21 approved work plan have been achieved,  
34.22 including partial achievements as evidenced  
34.23 by approved progress reports. Reasonable  
34.24 amounts may be advanced to projects to  
34.25 accommodate cash flow needs or match  
34.26 federal money. The advances must be  
34.27 approved as part of the work plan. No  
34.28 expenditures for capital equipment are  
34.29 allowed unless expressly authorized in the  
34.30 project work plan.

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

34.33 **Subd. 15. Purchase of Recycled and Recyclable**  
34.34 **Materials**

34.35 A political subdivision, public or private  
34.36 corporation, or other entity that receives an

35.1 appropriation under this section must use the  
35.2 appropriation in compliance with Minnesota  
35.3 Statutes, section 16B.121, regarding  
35.4 purchase of recycled, repairable, and durable  
35.5 materials; and Minnesota Statutes, section  
35.6 16B.122, regarding purchase and use of  
35.7 paper stock and printing.

35.8 **Subd. 16. Energy Conservation and**  
35.9 **Sustainable Building Guidelines**

35.10 A recipient to whom an appropriation is made  
35.11 under this section for a capital improvement  
35.12 project must ensure that the project complies  
35.13 with the applicable energy conservation and  
35.14 sustainable building guidelines and standards  
35.15 contained in law, including Minnesota  
35.16 Statutes, sections 16B.325, 216C.19, and  
35.17 216C.20, and rules adopted under those  
35.18 sections. The recipient may use the energy  
35.19 planning, advocacy, and State Energy Office  
35.20 units of the Department of Commerce to  
35.21 obtain information and technical assistance  
35.22 on energy conservation and alternative  
35.23 energy development relating to the planning  
35.24 and construction of the capital improvement  
35.25 project.

35.26 **Subd. 17. Accessibility**

35.27 Structural and nonstructural facilities must  
35.28 meet the design standards in the Americans  
35.29 with Disabilities Act (ADA) accessibility  
35.30 guidelines.

35.31 **Subd. 18. Easement Monitoring and**  
35.32 **Enforcement Requirements**

35.33 Money appropriated under this section for  
35.34 easement monitoring and enforcement may  
35.35 be spent only on activities included in an

36.1 easement monitoring and enforcement plan  
36.2 contained within the work plan. Money  
36.3 received for monitoring and enforcement,  
36.4 including earnings on the money received,  
36.5 shall be kept in a monitoring and enforcement  
36.6 fund held by the organization and dedicated  
36.7 to monitoring and enforcing conservation  
36.8 easements within Minnesota. Within 120  
36.9 days after the close of the entity's fiscal  
36.10 year, an entity receiving appropriations  
36.11 for easement monitoring and enforcement  
36.12 must provide an annual financial report  
36.13 to the Legislative-Citizen Commission on  
36.14 Minnesota Resources or its successor on the  
36.15 easement monitoring and enforcement fund  
36.16 as specified in the work plan.

36.17 Money appropriated under this section for  
36.18 monitoring and enforcement of easements  
36.19 and earnings on the money appropriated  
36.20 shall revert to the state if: (1) the easement  
36.21 transfers to the state; (2) the holder of the  
36.22 easement fails to file an annual report and  
36.23 then fails to cure that default within 30 days  
36.24 of notification of the default by the state;  
36.25 or (3) the holder of the easement fails to  
36.26 comply with the terms of the monitoring and  
36.27 enforcement plan contained within the work  
36.28 plan and fails to cure that default within 90  
36.29 days of notification of the default by the state.

36.30 Subd. 19. **Carryforward**

36.31 (a) The availability of the appropriations for  
36.32 the following projects are extended to June  
36.33 30, 2015:

36.34 (1) Laws 2011, First Special Session  
36.35 chapter 2, article 3, section 2, subdivision

- 37.1 3, paragraph (j), Information System for  
37.2 Wildlife and Aquatic Management Areas;
- 37.3 (2) Laws 2011, First Special Session  
37.4 chapter 2, article 3, section 2, subdivision 4,  
37.5 paragraph (b), State Parks and Trails Land  
37.6 Acquisition;
- 37.7 (3) Laws 2011, First Special Session  
37.8 chapter 2, article 3, section 2, subdivision  
37.9 4, paragraph (i), Metropolitan Conservation  
37.10 Corridors (MeCC) - Phase VI;
- 37.11 (4) Laws 2011, First Special Session  
37.12 chapter 2, article 3, section 2, subdivision 6,  
37.13 paragraph (c), Evaluation of Switchgrass as  
37.14 Biofuel Crop;
- 37.15 (5) Laws 2011, First Special Session  
37.16 chapter 2, article 3, section 2, subdivision  
37.17 4, paragraph (d), Regional Park, Trail, and  
37.18 Connection Acquisition and Development  
37.19 Grants;
- 37.20 (6) Laws 2011, First Special Session  
37.21 chapter 2, article 3, section 2, subdivision  
37.22 4, paragraph (g), Minnesota River Valley  
37.23 Green Corridor Scientific and Natural Area  
37.24 Acquisition;
- 37.25 (7) Laws 2011, First Special Session  
37.26 chapter 2, article 3, section 2, subdivision  
37.27 4, paragraph (q), Restoration Strategies for  
37.28 Ditched Peatland Scientific and Natural  
37.29 Areas;
- 37.30 (8) Laws 2011, First Special Session  
37.31 chapter 2, article 3, section 2, subdivision  
37.32 6, paragraph (a), Improved Detection of  
37.33 Harmful Microbes in Ballast Water;

38.1 (9) Laws 2011, First Special Session  
 38.2 chapter 2, article 3, section 2, subdivision  
 38.3 8, paragraph (b), Minnesota Junior Master  
 38.4 Naturalist Program; and  
 38.5 (10) Laws 2010, chapter 362, section 2,  
 38.6 subdivision 5, paragraph (d), Agricultural  
 38.7 and Urban Runoff Water Quality Treatment  
 38.8 Analysis.  
 38.9 (b) The availability of the appropriations for  
 38.10 the following project is extended to June  
 38.11 30, 2017: Laws 2013, chapter 52, section  
 38.12 2, subdivision 6, paragraph (g), Controlling  
 38.13 Terrestrial Invasive Plants with Grazing  
 38.14 Animals.

38.15 Sec. 3. Minnesota Statutes 2013 Supplement, section 116P.17, is amended to read:

38.16 **116P.17 ACQUISITION OF LANDS OR INTEREST IN LANDS;**  
 38.17 **COMMISSIONER APPROVAL.**

38.18 Subdivision 1. **Commissioner approval.** (a) A recipient of an appropriation from  
 38.19 the trust fund who acquires an interest in real property must receive written approval from  
 38.20 the commissioner of natural resources prior to the acquisition, if the interest is acquired  
 38.21 in whole or in part with the appropriation. A recipient must request the commissioner's  
 38.22 approval at least ten business days before the proposed acquisition. When a recipient  
 38.23 requests approval under this subdivision, the recipient must simultaneously submit the  
 38.24 same information to the commission. Conservation easements to be held by the Board of  
 38.25 Water and Soil Resources and acquisitions specifically identified in appropriation laws are  
 38.26 not subject to commissioner approval under this section.

38.27 (b) The commissioner shall approve acquisitions under this section only when the  
 38.28 interest in real property:

38.29 (1) is identified as a high priority by the commissioner and meets the objectives and  
 38.30 criteria identified in the applicable acquisition plan for the intended management status  
 38.31 of the property; or

38.32 (2) is otherwise identified by the commissioner as a priority for state financing.

38.33 Subd. 2. **Value assessment.** At least ten business days prior to acquiring an interest  
 38.34 in real property with an appropriation from the trust fund, a recipient of an appropriation

39.1 must submit the most recent tax assessed value and most recent tax statement of the real  
39.2 property and the amount the recipient plans to offer for the interest in real property to the  
39.3 commission and the commissioner of natural resources. Conservation easements to be  
39.4 held by the Board of Water and Soil Resources are not subject to the requirements of this  
39.5 section. The board shall keep a record of the tax assessed value of the real property at  
39.6 the time of acquisition and the most recent tax statement.

39.7 Sec. 4. **REPEALER.**

39.8 Minnesota Statutes 2012, section 116P.05, subdivision 3, is repealed.

APPENDIX  
Repealed Minnesota Statutes: H1874-2

**116P.05 LEGISLATIVE-CITIZEN COMMISSION ON MINNESOTA  
RESOURCES.**

Subd. 3. **Sunset.** This section expires June 30, 2016, unless extended by law.