

1.1 Senator ..... moves to amend S.F. No. 4043 as follows:

1.2 Delete everything after the enacting clause and insert:

1.3 "Section 1. APPROPRIATIONS.

1.4 The sums shown in the columns marked "Appropriations" are appropriated to the agencies  
 1.5 and for the purposes specified in this act. The appropriations are from the environment and  
 1.6 natural resources trust fund and are available for the fiscal years indicated for each purpose.  
 1.7 The figures "2022" and "2023" used in this act mean that the appropriations listed under  
 1.8 them are available for the fiscal year ending June 30, 2022, or June 30, 2023, respectively.  
 1.9 "The first year" is fiscal year 2022. "The second year" is fiscal year 2023. "The biennium"  
 1.10 is fiscal years 2022 and 2023. Any unencumbered balance remaining in the first year does  
 1.11 not cancel and is available for the second year or until the end of the appropriation. These  
 1.12 are onetime appropriations.

|      |  |                                      |                    |
|------|--|--------------------------------------|--------------------|
| 1.13 |  | <b><u>APPROPRIATIONS</u></b>         |                    |
| 1.14 |  | <b><u>Available for the Year</u></b> |                    |
| 1.15 |  | <b><u>Ending June 30</u></b>         |                    |
| 1.16 |  | <b><u>2022</u></b>                   | <b><u>2023</u></b> |

1.17 Sec. 2. MINNESOTA RESOURCES

|      |   |           |            |           |                   |
|------|---|-----------|------------|-----------|-------------------|
| 1.18 | <u>Subdivision 1. Total Appropriation</u> | <u>\$</u> | <u>-0-</u> | <u>\$</u> | <u>70,881,000</u> |
|------|---|-----------|------------|-----------|-------------------|

1.19 This appropriation is from the environment  
 1.20 and natural resources trust fund. The amounts  
 1.21 that may be spent for each purpose are  
 1.22 specified in the following subdivisions.

1.23 Subd. 2. Definition

1.24 "Trust fund" means the Minnesota  
 1.25 environment and natural resources trust fund  
 1.26 established under the Minnesota Constitution,  
 1.27 article XI, section 14.

|      |  |  |            |  |                  |
|------|--|--|------------|--|------------------|
| 1.28 | <u>Subd. 3. Foundational Natural Resource Data</u> |  |            |  |                  |
| 1.29 | <u>and Information</u>                             |  | <u>-0-</u> |  | <u>5,491,000</u> |

1.30 (a) Efficacy of Urban Archery Hunting to  
1.31 Manage Deer

1.32 \$201,000 the second year is from the trust  
 1.33 fund to the Board of Trustees of the Minnesota  
 1.34 State Colleges and Universities for Bemidji

2.1 State University to conduct an analysis of deer  
2.2 survival, habitat use, and hunter data in the  
2.3 city of Bemidji to improve special archery  
2.4 hunt management practices in urban areas of  
2.5 the state.

2.6 **(b) Improving Golden-Winged Warbler**  
2.7 **Conservation and Habitat Restoration**

2.8 \$197,000 the second year is from the trust  
2.9 fund to the Board of Regents of the University  
2.10 of Minnesota for the Natural Resources  
2.11 Research Institute in Duluth to develop  
2.12 restoration and habitat management guidelines  
2.13 for protecting the imperiled golden-winged  
2.14 warbler by assessing habitat use and behavior  
2.15 of this species.

2.16 **(c) Strategic Framework to Guide Local Water**  
2.17 **Storage Implementation**

2.18 \$200,000 the second year is from the trust  
2.19 fund to the Board of Water and Soil Resources  
2.20 to create a framework for prioritizing water  
2.21 storage projects throughout the state. The  
2.22 framework will use existing data and local  
2.23 stakeholder input, be scalable, and will  
2.24 emphasize projects that provide multiple  
2.25 benefits, including for water quality, flood  
2.26 control, and habitat.

2.27 **(d) Status of Minnesota Blueberries and Related**  
2.28 **Berry Species**

2.29 \$191,000 the second year is from the trust  
2.30 fund to the Board of Regents of the University  
2.31 of Minnesota, Duluth, to assess how land  
2.32 management practices impact the genetic  
2.33 health and reproduction of several native  
2.34 edible blueberry and related berry species of  
2.35 Minnesota. This appropriation is available

3.1 until June 30, 2026, by which time the project  
3.2 must be completed and final products  
3.3 delivered.

3.4 **(e) Distribution and Movements of Fishers in**  
3.5 **Southern Minnesota**

3.6 \$212,000 the second year is from the trust  
3.7 fund to the Board of Regents of the University  
3.8 of Minnesota for the Natural Resources  
3.9 Research Institute in Duluth to determine the  
3.10 distribution, status, and habitat use of fishers  
3.11 in southern Minnesota to inform fisher  
3.12 management.

3.13 **(f) Protecting Minnesota's Spruce-Fir Forests**  
3.14 **from Tree-Killing Budworm**

3.15 \$189,000 the second year is from the trust  
3.16 fund to the Board of Regents of the University  
3.17 of Minnesota to evaluate conditions  
3.18 contributing to Minnesota's uniquely high  
3.19 population of the native and lethal spruce  
3.20 budworm to provide better management  
3.21 options for protecting the state's spruce-balsam  
3.22 fir forests.

3.23 **(g) Restoration of Eastern Hemlock, Minnesota's**  
3.24 **Endangered Tree Species**

3.25 \$199,000 the second year is from the trust  
3.26 fund to the Board of Regents of the University  
3.27 of Minnesota to develop guidelines for  
3.28 restoring eastern hemlock, Minnesota's only  
3.29 endangered tree species, by testing methods  
3.30 and seed sources at different sites across  
3.31 northern Minnesota.

3.32 **(h) Maximizing Lowland Conifer Ecosystem**  
3.33 **Services - Phase 2**

3.34 \$315,000 the second year is from the trust  
3.35 fund to the Board of Regents of the University

4.1 of Minnesota to continue monitoring forested  
4.2 peatland hydrology and wildlife, conduct new  
4.3 wildlife and habitat surveys, and quantify  
4.4 carbon storage to assess trade-offs in  
4.5 management decisions.

4.6 **(i) Establishing a Center for Prion Research and**  
4.7 **Outreach**

4.8 \$3,000,000 the second year is from the trust  
4.9 fund to the Board of Regents of the University  
4.10 of Minnesota to form a multidisciplinary  
4.11 center to perform coordinated research on the  
4.12 detection, prevention, and treatment of chronic  
4.13 wasting and other prion diseases threatening  
4.14 wildlife across Minnesota. Money  
4.15 appropriated in this paragraph may also be  
4.16 spent on a strategic plan, capital equipment,  
4.17 and staff as approved in the work plan required  
4.18 under Minnesota Statutes, section 116P.05.

4.19 Money appropriated in this paragraph may not  
4.20 be spent on activities unless they are directly  
4.21 related to and necessary for the purposes of  
4.22 this paragraph. Money appropriated in this  
4.23 paragraph must not be spent on indirect costs  
4.24 or other institutional overhead charges that are  
4.25 not directly related to and necessary for the  
4.26 purposes of this paragraph. This appropriation  
4.27 is subject to Minnesota Statutes, section  
4.28 116P.10. This is a onetime appropriation and  
4.29 is available until June 30, 2026.

4.30 **(j) Sweetening the Crop: Perennial Flax for**  
4.31 **Ecosystem Benefits**

4.32 \$490,000 the second year is from the trust  
4.33 fund to the Board of Regents of the University  
4.34 of Minnesota to produce, select, and evaluate  
4.35 how perennial flax provides pollinator and

5.1 other ecosystem services while enhancing  
 5.2 yield for oilseed, fiber, and honey production.

5.3 **(k) Beavers, Trees, and Climate - Increasing**  
 5.4 **Floodplain Forest Resilience**

5.5 \$297,000 the second year is from the trust  
 5.6 fund to the commissioner of natural resources  
 5.7 for an agreement with the National Park  
 5.8 Service, Mississippi National River and  
 5.9 Recreation Area, to identify solutions for  
 5.10 saving floodplain wildlife habitat from beaver  
 5.11 herbivory, changes in climate, and emerald  
 5.12 ash borer.

5.13 **Subd. 4. Water Resources**

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3,744,000

5.14 **(a) Scaling a Market-Driven Water-Quality**  
 5.15 **Solution for Row-Crop Farming**

5.16 \$476,000 the second year is from the trust  
 5.17 fund to the Board of Regents of the University  
 5.18 of Minnesota to work with farmers to  
 5.19 accelerate adoption of grain-camelina rotations  
 5.20 in targeted watersheds as a scalable and  
 5.21 market-driven way to enhance stewardship of  
 5.22 soil, water, and wildlife.

5.23 **(b) Methods to Destroy PFAS in Landfill**  
 5.24 **Leachates**

5.25 \$200,000 the second year is from the trust  
 5.26 fund to the Board of Regents of the University  
 5.27 of Minnesota to develop and examine methods  
 5.28 for destruction of per- and polyfluoroalkyl  
 5.29 substances (PFAS) in landfill leachate. This  
 5.30 appropriation is subject to Minnesota Statutes,  
 5.31 section 116P.10.

5.32 **(c) High Temperature Anaerobic Digestion of**  
 5.33 **Sewage Sludge**

5.34 \$208,000 the second year is from the trust  
 5.35 fund to the Board of Regents of the University

6.1 of Minnesota to demonstrate that high  
6.2 temperature anaerobic digestion is effective  
6.3 at treating sewage sludge and preventing  
6.4 disease-causing microorganisms and antibiotic  
6.5 resistance genes from being released into the  
6.6 environment.

6.7 **(d) Mitigating Cyanobacterial Blooms and**  
6.8 **Toxins Using Clay-Algae Flocculation**

6.9 \$264,000 the second year is from the trust  
6.10 fund to the Board of Regents of the University  
6.11 of Minnesota for St. Anthony Falls Laboratory  
6.12 to develop and test a clay-algae flocculation  
6.13 method to mitigate cyanobacterial blooms that  
6.14 can contaminate drinking water and cause  
6.15 mass fish mortality. This appropriation is  
6.16 subject to Minnesota Statutes, section 116P.10.

6.17 **(e) Changing Winters and Game Fish in**  
6.18 **Minnesota Lakes**

6.19 \$200,000 the second year is from the trust  
6.20 fund to the Board of Regents of the University  
6.21 of Minnesota for the Large Lakes Observatory  
6.22 in Duluth to determine how changing winter  
6.23 conditions such as ice cover, snowfall patterns,  
6.24 and water quality affect Minnesota's game fish  
6.25 populations.

6.26 **(f) Rainy River Drivers of Lake of the Woods**  
6.27 **Algal Blooms**

6.28 \$526,000 the second year is from the trust  
6.29 fund to the commissioner of natural resources  
6.30 for an agreement with the United States  
6.31 Geological Survey, Upper Midwest Water  
6.32 Science Center, to guide the reduction of  
6.33 phosphorus inputs to Lake of the Woods by  
6.34 examining sources, mobility, and storage of  
6.35 sediment-bound phosphorus in the Rainy

7.1 River. This appropriation is available until  
7.2 June 30, 2026, by which time the project must  
7.3 be completed and final products delivered.

7.4 **(g) Increased Intense Rain and Flooding in**  
7.5 **Minnesota's Watersheds**

7.6 \$192,000 the second year is from the trust  
7.7 fund to the Science Museum of Minnesota for  
7.8 the St. Croix Watershed Research Station to  
7.9 partner with local communities to determine  
7.10 the causes of increased flooding and the most  
7.11 cost-effective solutions for reducing flood risk  
7.12 in the Cottonwood River watershed and other  
7.13 agricultural watersheds in southern Minnesota.

7.14 **(h) Removing CECs from Stormwater with**  
7.15 **Biofiltration**

7.16 \$439,000 the second year is from the trust  
7.17 fund to the Board of Regents of the University  
7.18 of Minnesota for the St. Anthony Falls  
7.19 Laboratory to optimize designs for removing  
7.20 contaminants of emerging concern (CECs)  
7.21 from stormwater runoff with biofiltration and  
7.22 to develop guidance on biofiltration use for  
7.23 Minnesota stormwater managers.

7.24 **(i) Is the Tire Chemical 6PPDq Killing**  
7.25 **Minnesota's Fish?**

7.26 \$354,000 the second year is from the trust  
7.27 fund to the Board of Regents of the University  
7.28 of Minnesota to optimize detection methods,  
7.29 determine environmental occurrence, and  
7.30 evaluate risk to Minnesota's fish populations  
7.31 of the toxic tire-derived chemical 6PPDq.

7.32 **(j) Mitigation Strategies for Agroplastic PFAS**  
7.33 **and Microplastic Contamination**

7.34 \$169,000 the second year is from the trust  
7.35 fund to the Board of Regents of the University

8.1 of Minnesota for the West Central Research  
 8.2 and Outreach Center, Morris, to study plastic  
 8.3 use in the agricultural supply chain and to  
 8.4 research and communicate strategies to reduce  
 8.5 impacts of this plastic use, including water  
 8.6 and land contamination from microplastics,  
 8.7 PFAS, and related compounds.

8.8 **(k) Innovative Technology for PFAS Destruction**  
 8.9 **in Drinking Water**

8.10 \$350,000 the second year is from the trust  
 8.11 fund to the Board of Regents of the University  
 8.12 of Minnesota for the Southern Research and  
 8.13 Outreach Center to develop and demonstrate  
 8.14 a treatment process based on continuous  
 8.15 liquid-phase plasma discharge technology to  
 8.16 destroy per- and polyfluoroalkyl substances  
 8.17 (PFAS) in drinking water. This appropriation  
 8.18 is subject to Minnesota Statutes, section  
 8.19 116P.10.

8.20 **(l) PFAS Contaminant Mitigation Using Hybrid**  
 8.21 **Engineered Wetlands**

8.22 \$366,000 the second year is from the trust  
 8.23 fund to the commissioner of natural resources  
 8.24 for an agreement with St. Louis County to  
 8.25 design, implement, and evaluate an innovative  
 8.26 method for protecting water resources through  
 8.27 mitigation of per- and polyfluoroalkyl  
 8.28 substances (PFAS) from landfill leachate using  
 8.29 engineered wetland treatment systems.

8.30 **Subd. 5. Environmental Education** -0- 3,005,000

8.31 **(a) Teacher Field School: Stewardship through**  
 8.32 **Nature-Based Education**

8.33 \$310,000 the second year is from the trust  
 8.34 fund to the commissioner of natural resources  
 8.35 for an agreement with Hamline University to

- 9.1 create an immersive, research-backed field
- 9.2 school for teachers to use nature-based
- 9.3 education to benefit student well-being and
- 9.4 academic outcomes while increasing
- 9.5 stewardship habits.
- 9.6 **(b) Increasing K-12 Student Learning to Develop**
- 9.7 **Environmental Awareness, Appreciation, and**
- 9.8 **Interest**
- 9.9 \$1,000,000 the second year is from the trust
- 9.10 fund to the commissioner of natural resources
- 9.11 for an agreement with Osprey Wilds
- 9.12 Environmental Learning Center to partner with
- 9.13 Minnesota's five other accredited residential
- 9.14 environmental learning centers to provide
- 9.15 needs-based scholarships to at least 25,000
- 9.16 K-12 students statewide for immersive
- 9.17 multiday environmental learning experiences.
- 9.18 **(c) Expanding Access to Wildlife Learning Bird**
- 9.19 **by Bird**
- 9.20 \$200,000 the second year is from the trust
- 9.21 fund to the commissioner of natural resources
- 9.22 to engage young people from diverse
- 9.23 communities in wildlife conservation through
- 9.24 bird-watching in schools, outdoor leadership
- 9.25 training, and participating in neighborhood
- 9.26 bird walks.
- 9.27 **(d) Engaging a Diverse Public in Environmental**
- 9.28 **Stewardship**
- 9.29 \$200,000 the second year is from the trust
- 9.30 fund to the commissioner of natural resources
- 9.31 for an agreement with Great River Greening
- 9.32 to increase participation in natural resources
- 9.33 restoration efforts through volunteer,
- 9.34 internship, and youth engagement activities
- 9.35 that target diverse audiences more accurately

10.1 reflecting local demographic and  
10.2 socioeconomic conditions in Minnesota.

10.3 **(e) LCCMR Stories: Sharing Minnesota's**  
10.4 **Biggest Environmental Investment**

10.5 \$200,000 the second year is from the trust  
10.6 fund to the Science Museum of Minnesota to  
10.7 enhance public education about the results of  
10.8 Legislative-Citizen Commission on Minnesota  
10.9 Resources-recommended research, including  
10.10 through a free online interactive map, in-depth  
10.11 videos, and public events.

10.12 **(f) Bugs Below Zero: Engaging Citizens in**  
10.13 **Winter Research**

10.14 \$198,000 the second year is from the trust  
10.15 fund to the Board of Regents of the University  
10.16 of Minnesota to raise awareness about the  
10.17 winter life of bugs, inspire learning about  
10.18 stream food webs, and engage citizen scientists  
10.19 in research and environmental stewardship.

10.20 **(g) ESTEP: Earth Science Teacher Education**  
10.21 **Project**

10.22 \$317,000 the second year is from the trust  
10.23 fund to the commissioner of natural resources  
10.24 for an agreement with the Minnesota Science  
10.25 Teachers Association to provide professional  
10.26 development for Minnesota science teachers  
10.27 in environmental and earth science to  
10.28 strengthen environmental education in schools.

10.29 **(h) YES! Students Take Action to Complete Eco**  
10.30 **Projects**

10.31 \$199,000 the second year is from the trust  
10.32 fund to the commissioner of natural resources  
10.33 for an agreement with Prairie Woods  
10.34 Environmental Learning Center, in partnership  
10.35 with Ney Nature Center and Laurentian

11.1 Environmental Center, to empower Minnesota  
 11.2 youth to connect with natural resource experts,  
 11.3 identify ecological challenges, and take action  
 11.4 to complete innovative projects in their  
 11.5 communities.

11.6 **(i) Increasing Diversity in Environmental**  
 11.7 **Careers**

11.8 \$182,000 the second year is from the trust  
 11.9 fund to the commissioner of natural resources,  
 11.10 in cooperation with Conservation Corps  
 11.11 Minnesota and Iowa, to encourage a diversity  
 11.12 of students to pursue careers in the  
 11.13 environment and natural resources through  
 11.14 internships, mentorships, and fellowships with  
 11.15 the Department of Natural Resources, the  
 11.16 Board of Water and Soil Resources, and the  
 11.17 Pollution Control Agency.

11.18 **(j) Diversity and Access to Wildlife-Related**  
 11.19 **Opportunities**

11.20 \$199,000 the second year is from the trust  
 11.21 fund to the Board of Regents of the University  
 11.22 of Minnesota to broaden the state's  
 11.23 conservation constituency by researching  
 11.24 diverse communities' values about nature and  
 11.25 wildlife experiences and identifying barriers  
 11.26 to engagement.

11.27 **Subd. 6. Aquatic and Terrestrial Invasive**  
 11.28 **Species**

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4,174,000

11.29 **(a) Minnesota Invasive Terrestrial Plants and**  
 11.30 **Pests Center**

11.31 \$4,000,000 the second year is from the trust  
 11.32 fund to the Board of Regents of the University  
 11.33 of Minnesota to support the Minnesota  
 11.34 Invasive Terrestrial Plants and Pests Center  
 11.35 to fund high-priority research projects to better

12.1 manage invasive plants, pathogens, and pests  
 12.2 on Minnesota's natural and agricultural lands.  
 12.3 This appropriation is subject to Minnesota  
 12.4 Statutes, section 116P.10. This appropriation  
 12.5 is available until June 30, 2027, by which time  
 12.6 the project must be completed and final  
 12.7 products delivered.

12.8 **(b) Purple Loosestrife Biocontrol Citizen Science**  
 12.9 **Program**

12.10 \$174,000 the second year is from the trust  
 12.11 fund to the commissioner of natural resources  
 12.12 for an agreement with the Wild Rivers  
 12.13 Conservancy to protect and restore native  
 12.14 ecosystems by identifying purple loosestrife  
 12.15 in priority management areas and engaging,  
 12.16 educating, and empowering citizens to use an  
 12.17 approved purple loosestrife biocontrol in  
 12.18 Minnesota's St. Croix River watershed.

12.19 **Subd. 7. Air Quality and Renewable Energy** -0- 1,253,000

12.20 **(a) Using Minnesota Timber to Mitigate Landfill**  
 12.21 **Methane Emissions**

12.22 \$753,000 the second year is from the trust  
 12.23 fund to the Board of Regents of the University  
 12.24 of Minnesota for the Natural Resources  
 12.25 Research Institute in Duluth to design,  
 12.26 develop, and test biochar-based landfill covers  
 12.27 to reduce methane emissions in Minnesota  
 12.28 through natural biological processes. This  
 12.29 appropriation is subject to Minnesota Statutes,  
 12.30 section 116P.10.

12.31 **(b) Green Solar Cells from a Minnesota Natural**  
 12.32 **Resource**

12.33 \$330,000 the second year is from the trust  
 12.34 fund to the Board of Regents of the University  
 12.35 of Minnesota to develop an efficient, low cost,

13.1 and nontoxic pyrite solar cell and conduct a  
 13.2 feasibility study for using Iron Range  
 13.3 resources to manufacture this product. This  
 13.4 appropriation is subject to Minnesota Statutes,  
 13.5 section 116P.10.

13.6 **(c) Morris GHG Emissions Inventory and**  
 13.7 **Mitigation Strategies**

13.8 \$170,000 the second year is from the trust  
 13.9 fund to the commissioner of natural resources  
 13.10 for an agreement with the city of Morris to  
 13.11 conserve natural resources by conducting a  
 13.12 greenhouse gas (GHG) emissions inventory  
 13.13 of city and county operations as part of the  
 13.14 Morris Model partnership, implementing  
 13.15 policy to achieve targeted reductions, and  
 13.16 disseminating findings. This appropriation is  
 13.17 available until June 30, 2026, by which time  
 13.18 the project must be completed and final  
 13.19 products delivered.

13.20 **Subd. 8. Methods to Protect, Restore, and**  
 13.21 **Enhance Land, Water, and Habitat**

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10,861,000

13.22 **(a) Minnesota's Volunteer Rare Plant**  
 13.23 **Conservation Corps**

13.24 \$515,000 the second year is from the trust  
 13.25 fund to the Board of Regents of the University  
 13.26 of Minnesota for the Minnesota Landscape  
 13.27 Arboretum to partner with the Department of  
 13.28 Natural Resources and the Minnesota Native  
 13.29 Plant Society to establish and train a volunteer  
 13.30 corps to survey, monitor, and bank seed from  
 13.31 Minnesota's rare plant populations and  
 13.32 enhance the effectiveness and efficiencies of  
 13.33 conservation efforts.

13.34 **(b) Conservation Corps Veterans Service Corps**  
 13.35 **Program**

14.1 \$1,339,000 the second year is from the trust  
14.2 fund to the commissioner of natural resources  
14.3 for an agreement with Conservation Corps  
14.4 Minnesota to create a Veterans Service Corps  
14.5 program to accelerate natural resource  
14.6 restorations in Minnesota while providing  
14.7 workforce development opportunities for the  
14.8 state's veterans.

14.9 **(c) Conservation Cooperative for Working**  
14.10 **Lands**

14.11 \$750,000 the second year is from the trust  
14.12 fund to the commissioner of natural resources  
14.13 for an agreement with Pheasants Forever Inc.  
14.14 to increase adoption of voluntary conservation  
14.15 practices on working lands in Minnesota by  
14.16 hiring personnel to provide technical  
14.17 assistance to farmers and landowners while  
14.18 also attracting federal matching funds.

14.19 **(d) Root River Habitat Restoration Project**

14.20 \$537,000 the second year is from the trust  
14.21 fund to the commissioner of natural resources  
14.22 for an agreement with Eagle Bluff  
14.23 Environmental Learning Center to restore  
14.24 flood-damaged Root River stream bank and  
14.25 instream habitat and incorporate monitoring  
14.26 into the center's curriculum to evaluate the  
14.27 restoration's success.

14.28 **(e) Hastings Lake Rebecca Park Area**

14.29 \$1,200,000 the second year is from the trust  
14.30 fund to the commissioner of natural resources  
14.31 for an agreement with the city of Hastings to  
14.32 develop an ecological-based master plan for  
14.33 Lake Rebecca Park and to enhance habitat  
14.34 quality and construct passive recreational  
14.35 facilities consistent with the master plan. No

15.1 funds for implementation may be spent until  
15.2 the master plan is complete.

15.3 **(f) River Habitat Restoration and Recreation in**  
15.4 **Melrose**

15.5 \$350,000 the second year is from the trust  
15.6 fund to the commissioner of natural resources  
15.7 for an agreement with the city of Melrose to  
15.8 conduct habitat restoration and create fishing,  
15.9 canoeing, and camping opportunities along a  
15.10 segment of the Sauk River within the city of  
15.11 Melrose and to provide public education about  
15.12 stream restoration, fish habitat, and the  
15.13 importance of natural areas.

15.14 **(g) Restoring Forests and Savannas Using**  
15.15 **Silvopasture - Phase 2**

15.16 \$414,000 the second year is from the trust  
15.17 fund to the commissioner of natural resources  
15.18 for an agreement with Great River Greening  
15.19 to continue to partner with the University of  
15.20 Minnesota and the Sustainable Farming  
15.21 Association to demonstrate, evaluate, and  
15.22 increase adoption of the combined use of  
15.23 intensive tree, forage, and livestock  
15.24 management as a method to restore threatened  
15.25 oak savanna habitats.

15.26 **(h) Mitigating the Effects of Visitor Use Patterns**

15.27 \$310,000 the second year is from the trust  
15.28 fund to the commissioner of natural resources  
15.29 for an agreement with the Superior Hiking  
15.30 Trail Association to rehabilitate and renew  
15.31 Superior Hiking Trail campsites, trailheads,  
15.32 and trail segments for a more resilient future  
15.33 amid unprecedented use.

15.34 **(i) PFAS Fungal-Wood Chip Filtering System**

16.1 \$189,000 the second year is from the trust  
16.2 fund to the Board of Regents of the University  
16.3 of Minnesota to identify, develop, and  
16.4 field-test various types of waste wood chips  
16.5 and fungi to sequester and degrade PFAS  
16.6 leachate from contaminated waste sites. This  
16.7 appropriation is subject to Minnesota Statutes,  
16.8 section 116P.10.

16.9 **(j) Phytoremediation for Extracting Deicing Salt**

16.10 \$365,000 the second year is from the trust  
16.11 fund to the Board of Regents of the University  
16.12 of Minnesota to protect lands and waters from  
16.13 contamination by collaborating with the  
16.14 Department of Transportation to develop  
16.15 methods for using native plants to remediate  
16.16 roadside deicing salt.

16.17 **(k) Mustinka River Fish and Wildlife Habitat**  
16.18 **Corridor Rehabilitation**

16.19 \$2,692,000 the second year is from the trust  
16.20 fund to the commissioner of natural resources  
16.21 for an agreement with the Bois de Sioux  
16.22 Watershed District to permanently rehabilitate  
16.23 a straightened reach of the Mustinka River to  
16.24 a naturally functioning stream channel and  
16.25 floodplain corridor for water, fish, and wildlife  
16.26 benefits.

16.27 **(l) Bohemian Flats Savanna Restoration**

16.28 \$200,000 the second year is from the trust  
16.29 fund to the commissioner of natural resources  
16.30 for an agreement with Minneapolis Park and  
16.31 Recreation Board to restore an area of  
16.32 compacted urban turf within Bohemian Flats  
16.33 Park and adjacent to the Mississippi River to  
16.34 an oak savanna ecosystem.

17.1 **(m) Watershed and Forest Restoration: What**  
 17.2 **a Match!**

17.3 \$2,000,000 the second year is from the trust  
 17.4 fund to the Board of Water and Soil  
 17.5 Resources, in cooperation with soil and water  
 17.6 conservation districts, the Mille Lacs Band of  
 17.7 Ojibwe, and the Department of Natural  
 17.8 Resources, to accelerate tree planting on  
 17.9 privately owned, protected lands for  
 17.10 water-quality protection and carbon  
 17.11 sequestration.

17.12 **Subd. 9. Land Acquisition, Habitat, and**  
 17.13 **Recreation**

-0-

26,646,000

17.14 **(a) Mesabi Trail: Wahlsten Road (CR 26) to**  
 17.15 **Tower**

17.16 \$1,307,000 the second year is from the trust  
 17.17 fund to the commissioner of natural resources  
 17.18 for an agreement with the St. Louis and Lake  
 17.19 Counties Regional Railroad Authority to  
 17.20 acquire, engineer, and construct a segment of  
 17.21 the Mesabi Trail beginning at the intersection  
 17.22 of Wahlsten Road (CR 26) and Benson Road  
 17.23 in Embarrass and extending to Tower.

17.24 **(b) The Missing Link: Gull Lake Trail, Fairview**  
 17.25 **Township**

17.26 \$1,394,000 the second year is from the trust  
 17.27 fund to the commissioner of natural resources  
 17.28 for an agreement with Fairview Township to  
 17.29 complete the Gull Lake Trail by engineering  
 17.30 and constructing the trail's final segment  
 17.31 through Fairview Township in the Brainerd  
 17.32 Lakes area.

17.33 **(c) Pierz Park and Campground Expansion**  
 17.34 **Project**

18.1 \$200,000 the second year is from the trust  
18.2 fund to the commissioner of natural resources  
18.3 for an agreement with the city of Pierz to  
18.4 purchase land adjacent to a city-owned park  
18.5 and campground for conservation and  
18.6 recreational uses and to create a master plan  
18.7 for the park and campground to serve regional  
18.8 natural resource and recreational needs.

18.9 **(d) Redhead Mountain Bike Park**

18.10 \$1,285,000 the second year is from the trust  
18.11 fund to the commissioner of natural resources  
18.12 for an agreement with the Minnesota  
18.13 Discovery Center to enhance outdoor  
18.14 recreational opportunities by adding trails and  
18.15 recreational amenities to the Redhead  
18.16 Mountain Bike Park in Chisholm.

18.17 **(e) Environmental Learning Classroom with**  
18.18 **Trails**

18.19 \$82,000 the second year is from the trust fund  
18.20 to the commissioner of natural resources for  
18.21 an agreement with Mountain Iron-Buhl Public  
18.22 Schools to build an outdoor classroom  
18.23 pavilion, accessible trails, and a footbridge  
18.24 within the Mountain Iron-Buhl School Forest  
18.25 to conduct environmental education that  
18.26 cultivates a lasting conservation ethic.

18.27 **(f) Local Parks, Trails, and Natural Areas Grant**  
18.28 **Programs**

18.29 \$4,000,000 the second year is from the trust  
18.30 fund to the commissioner of natural resources  
18.31 to solicit, rank, and fund competitive matching  
18.32 grants for local parks, trail connections, and  
18.33 natural and scenic areas under Minnesota  
18.34 Statutes, section 85.019. This appropriation is  
18.35 for local nature-based recreation, connections

19.1 to regional and state natural areas, and  
19.2 recreation facilities and may not be used for  
19.3 athletic facilities such as sport fields, courts,  
19.4 and playgrounds.

19.5 **(g) St. Louis River Re-Connect**

19.6 \$1,200,000 the second year is from the trust  
19.7 fund to the commissioner of natural resources  
19.8 for an agreement with the city of Duluth to  
19.9 expand recreational access along the St. Louis  
19.10 River and estuary by implementing the St.  
19.11 Louis River National Water Trail outreach  
19.12 plan, designing and constructing upgrades and  
19.13 extensions to the Waabizheshikana Trail, and  
19.14 installing interpretive features that describe  
19.15 the cultural and ecological significance of the  
19.16 area.

19.17 **(h) Native Prairie Stewardship and Prairie Bank**  
19.18 **Easement Acquisition**

19.19 \$500,000 the second year is from the trust  
19.20 fund to the commissioner of natural resources  
19.21 to provide technical stewardship assistance to  
19.22 private landowners, restore and enhance native  
19.23 prairie protected by easements in the native  
19.24 prairie bank, and acquire easements for the  
19.25 native prairie bank in accordance with  
19.26 Minnesota Statutes, section 84.96, including  
19.27 preparing initial baseline property assessments.  
19.28 Up to \$60,000 of this appropriation may be  
19.29 deposited in the natural resources conservation  
19.30 easement stewardship account created under  
19.31 Minnesota Statutes, section 84.69, proportional  
19.32 to the number of easements acquired.

19.33 **(i) Minnesota State Parks and State Trails**  
19.34 **Acquisitions**

20.1 \$1,600,000 the second year is from the trust  
20.2 fund to the commissioner of natural resources  
20.3 to acquire high-priority inholdings from  
20.4 willing sellers within the legislatively  
20.5 authorized boundaries of state parks,  
20.6 recreation areas, and trails to protect  
20.7 Minnesota's natural heritage, enhance outdoor  
20.8 recreation, and improve the efficiency of  
20.9 public land management.

20.10 **(j) Silver Bay Multimodal Trailhead Project**

20.11 \$1,650,000 the second year is from the trust  
20.12 fund to the commissioner of natural resources  
20.13 for an agreement with the city of Silver Bay  
20.14 to develop a multimodal trailhead center to  
20.15 provide safe access to the Superior,  
20.16 Gitchi-Gami, and C.J. Ramstad/North Shore  
20.17 trails; Black Beach Park; and other  
20.18 recreational destinations.

20.19 **(k) Minnesota State Trails Development**

20.20 \$6,022,000 the second year is from the trust  
20.21 fund to the commissioner of natural resources  
20.22 to expand recreational opportunities on  
20.23 Minnesota state trails by rehabilitating and  
20.24 enhancing existing state trails and replacing  
20.25 or repairing existing state trail bridges.

20.26 **(l) Brookston Campground, Boat Launch, and**  
20.27 **Outdoor Recreational Facility**

20.28 \$453,000 the second year is from the trust  
20.29 fund to the commissioner of natural resources  
20.30 for an agreement with the city of Brookston  
20.31 to build a campground, boat launch, and  
20.32 outdoor recreation area on the banks of the St.  
20.33 Louis River in northeastern Minnesota. Before  
20.34 any trust fund dollars are spent, the city must  
20.35 demonstrate that all funds to complete the

21.1 project are secured and a fiscal agent must be  
21.2 approved in the work plan.

21.3 **(m) Silver Lake Trail Connection**

21.4 \$727,000 the second year is from the trust  
21.5 fund to the commissioner of natural resources  
21.6 for an agreement with the city of Virginia to  
21.7 design, engineer, and construct a multiuse trail  
21.8 that will connect Silver Lake Trail to a new  
21.9 Miners Entertainment and Convention Center  
21.10 and provide lighting on Bailey Lake Trail.

21.11 **(n) Preserving the Avon Hills with**  
21.12 **Reverse-Bidding Easements**

21.13 \$1,604,000 the second year is from the trust  
21.14 fund to the commissioner of natural resources  
21.15 for an agreement with Saint John's University,  
21.16 in cooperation with Minnesota Land Trust, to  
21.17 use a reverse-bid ranking system to  
21.18 permanently protect, restore, and enhance  
21.19 habitat in the Avon Hills area of Stearns  
21.20 County. Of this amount, up to \$192,000 is for  
21.21 use by Minnesota Land Trust in a monitoring  
21.22 fund as approved in the work plan and subject  
21.23 to Minnesota Statutes, section 116P.20. An  
21.24 annual financial report is required for any  
21.25 monitoring, management, and enforcement  
21.26 fund, including expenditures from the fund.  
21.27 A proposed list of acquisitions and restorations  
21.28 must be provided in the work plan. This  
21.29 appropriation is available until June 30, 2027,  
21.30 by which time the project must be completed  
21.31 and final products delivered.

21.32 **(o) Floodwood Campground Improvement**  
21.33 **Project**

21.34 \$816,000 the second year is from the trust  
21.35 fund to the commissioner of natural resources

22.1 for an agreement with the city of Floodwood  
22.2 to upgrade the Floodwood Campground and  
22.3 connecting trails to provide high-quality nature  
22.4 and recreation experience for people of all  
22.5 ages.

22.6 **(p) SNA Habitat Restoration, Public**  
22.7 **Engagement, and Protection**

22.8 \$1,000,000 the second year is from the trust  
22.9 fund to the commissioner of natural resources  
22.10 for the scientific and natural areas (SNA)  
22.11 program to restore and enhance exceptional  
22.12 habitat on SNAs; increase public involvement  
22.13 and outreach; and strategically acquire lands  
22.14 that meet criteria for SNAs under Minnesota  
22.15 Statutes, section 86A.05, from willing sellers.

22.16 **(q) Ranier Safe Harbor/Transient Dock - Phase**  
22.17 **2**

22.18 \$1,113,000 the second year is from the trust  
22.19 fund to the commissioner of natural resources  
22.20 for an agreement with the city of Ranier to  
22.21 construct a safe harbor and transient dock to  
22.22 accommodate watercraft of many sizes to  
22.23 improve public access for boat recreation on  
22.24 Rainy Lake. Before trust fund dollars are  
22.25 spent, a fiscal agent must be approved in the  
22.26 work plan. Before any trust fund dollars are  
22.27 spent, the city must demonstrate that all funds  
22.28 to complete the project are secured. Any  
22.29 revenue generated from selling products or  
22.30 assets developed or acquired with this  
22.31 appropriation must be repaid to the trust fund  
22.32 unless a plan is approved for reinvestment of  
22.33 income in the project as provided under  
22.34 Minnesota Statutes, section 116P.10.

22.35 **(r) Prospector ATV Trails**

23.1 \$944,000 the second year is from the trust  
 23.2 fund to the commissioner of natural resources  
 23.3 for an agreement with the city of Ely to work  
 23.4 with the Prospector ATV Club to extend and  
 23.5 upgrade several sections of the Prospector  
 23.6 ATV trail system.

23.7 **(s) City of Biwabik Recreation Area**

23.8 \$749,000 the second year is from the trust  
 23.9 fund to the commissioner of natural resources  
 23.10 for an agreement with the city of Biwabik to  
 23.11 reconstruct and renovate Biwabik Recreation  
 23.12 Area's access road, parking area, and bathroom  
 23.13 facilities.

23.14 **Subd. 10. Emerging Issues** -0- 15,575,000

23.15 **(a) Aggregate Resource Mapping**

23.16 \$500,000 the second year is from the trust  
 23.17 fund to the commissioner of natural resources  
 23.18 for continued mapping of the aggregate  
 23.19 resource potential in the state of Minnesota  
 23.20 and to make the information available in print  
 23.21 and electronic format to local units of  
 23.22 government for use in planning and zoning.

23.23 **(b) Leaded Gasoline Contamination Analysis**

23.24 \$200,000 the second year is from the trust  
 23.25 fund to the commissioner of administration  
 23.26 for a grant to the city of Paynesville to procure  
 23.27 an analysis of the extent of leaded gasoline  
 23.28 contamination in or near the cities of  
 23.29 Paynesville, Foley, Alexandria, and Blaine,  
 23.30 and of the threat posed by the contamination  
 23.31 to each city's drinking water supply. The  
 23.32 vendor selected to perform the analysis must  
 23.33 use the same methodology to conduct the  
 23.34 analysis for each city and must produce

24.1 findings that are comparable between cities.  
24.2 The cities must work cooperatively to select  
24.3 a vendor. By January 15, 2024, the city  
24.4 administrator of the city of Paynesville must  
24.5 report the results of the analysis to the chairs  
24.6 and ranking minority members of the house  
24.7 of representatives and senate committees and  
24.8 divisions with jurisdiction over environment  
24.9 and natural resources.

24.10 **(c) Living Snow Fence Program**

24.11 \$500,000 the second year is from the trust  
24.12 fund to the commissioner of transportation for  
24.13 contracts to build and improve living snow  
24.14 fences consisting of trees, shrubs, native  
24.15 grasses, and wildflowers. Money appropriated  
24.16 in this paragraph may only be used to acquire  
24.17 and plant trees native to Minnesota. This  
24.18 appropriation is available until June 30, 2026.

24.19 **(d) Forest Data Inventory**

24.20 \$500,000 the second year is from the trust  
24.21 fund to the commissioner of natural resources  
24.22 for an enhanced forest inventory on county  
24.23 and private lands.

24.24 **(e) Conservation Reserve Program State**  
24.25 **Incentives**

24.26 \$1,000,000 the second year is from the trust  
24.27 fund to the Board of Water and Soil Resources  
24.28 to provide onetime state incentive payments  
24.29 to enrollees in the federal Conservation  
24.30 Reserve Program (CRP) during the continuous  
24.31 enrollment period and to enroll land in  
24.32 conservation easements consistent with  
24.33 Minnesota Statutes, section 103F.515. The  
24.34 board may establish payment rates based on  
24.35 land valuation and on environmental benefit

25.1 criteria, including but not limited to surface  
25.2 water or groundwater pollution reduction,  
25.3 drinking water protection, soil health,  
25.4 pollinator and wildlife habitat, and other  
25.5 conservation enhancements. The board may  
25.6 use state funds to implement the program and  
25.7 to provide technical assistance to landowners  
25.8 or their agents to fulfill enrollment and  
25.9 contract provisions. The board must consult  
25.10 with the commissioners of agriculture, health,  
25.11 natural resources, and the Pollution Control  
25.12 Agency and the United States Department of  
25.13 Agriculture in establishing program criteria.  
25.14 This appropriation is available until June 30,  
25.15 2026.

25.16 **(f) Ditch Improvements for Control of Water**  
25.17 **Levels**

25.18 \$500,000 the second year is from the trust  
25.19 fund to the commissioner of natural resources  
25.20 for grants to counties and townships for repair  
25.21 and maintenance of ditches not included  
25.22 within a public ditch system that provide water  
25.23 level control of lakes and wetlands to prevent  
25.24 erosion.

25.25 **(g) Pipeline Conservation Program**

25.26 \$500,000 the second year is from the trust  
25.27 fund to the Board of Water and Soil Resources  
25.28 to award grants to nonprofit organizations with  
25.29 a conservation mission and to secondary and  
25.30 postsecondary schools as part of a  
25.31 conservation curriculum to plant pipeline  
25.32 rights-of-way and easements with native  
25.33 vegetation, pollinator-friendly forbs, or  
25.34 legumes to protect a diversity of pollinators.  
25.35 Before a grant is disbursed, a grant applicant

26.1 must enter an agreement with a pipeline  
26.2 operator that allows access to the right-of-way  
26.3 or easement for the project. Habitat restoration  
26.4 and enhancement are eligible for grants under  
26.5 this paragraph. Grants awarded under this  
26.6 paragraph may be for up to 75 percent of the  
26.7 costs of a project. This appropriation is  
26.8 available until June 30, 2024.

26.9 **(h) Groundwater Storage and Recovery**  
26.10 **Database**

26.11 \$421,000 the second year is from the trust  
26.12 fund to the commissioner of natural resources  
26.13 to complete a centralized aquifer property  
26.14 database to provide needed data for site  
26.15 characterization.

26.16 **(i) Replacement of Drought-Killed Seedlings**

26.17 \$1,500,000 the second year is from the trust  
26.18 fund to the commissioner of natural resources  
26.19 to replace drought-killed seedlings on  
26.20 Department of Natural Resources-managed  
26.21 lands and to administer grants to Tribal,  
26.22 county, and private forestland owners to  
26.23 replace drought-killed seedlings on their land.  
26.24 Seedling replacement includes site prep,  
26.25 replanting, and tending seedlings. This  
26.26 appropriation is available until June 30, 2027.

26.27 **(j) Rural and Farmstead Ring Levies**

26.28 \$360,000 the second year is from the trust  
26.29 fund to the commissioner of natural resources  
26.30 for grants to assist in constructing rural and  
26.31 farmstead ring levees for flood protection in  
26.32 the Red River watershed. A grant may not  
26.33 exceed 50 percent of the cost of the project.

26.34 **(k) Replacing Falling Septic Systems to Protect**  
26.35 **Groundwater**

27.1 \$2,000,000 the second year is from the trust  
27.2 fund to the Board of Water and Soil Resources  
27.3 to provide grants to rural landowners to  
27.4 replace failing septic systems that inadequately  
27.5 protect groundwater. Rural landowners, as  
27.6 defined in Minnesota Statutes, section 17.117,  
27.7 subdivision 4, with income below 300 percent  
27.8 of the federal poverty guidelines for the  
27.9 applicable family size, shall be eligible for a  
27.10 grant under this paragraph. A grant awarded  
27.11 under this paragraph shall not exceed the lesser  
27.12 of \$5,000 or 35 percent of the cost of replacing  
27.13 the failed or failing septic system. The  
27.14 issuance of a loan under Minnesota Statutes,  
27.15 section 17.117, for the purpose of replacing a  
27.16 failed septic system, shall not preclude a rural  
27.17 landowner from obtaining a grant under this  
27.18 paragraph or vice versa. This appropriation is  
27.19 available until June 30, 2025.

27.20 **(l) Healthy Soils Best Management Program**

27.21 \$2,000,000 the second year is from the trust  
27.22 fund to the commissioner of agriculture for a  
27.23 healthy soil best management practices grant  
27.24 program that will: increase the quantity of  
27.25 organic carbon in soil through practices,  
27.26 including but not limited to reduced tillage,  
27.27 cover cropping, manure management,  
27.28 precision agriculture, crop rotations, and  
27.29 changes in grazing management; integrate  
27.30 perennial vegetation into management of  
27.31 agricultural lands; reduce nitrous oxide and  
27.32 methane emissions through changes to  
27.33 livestock, soil management, or nutrient  
27.34 optimization; increase the usage of precision  
27.35 agricultural practices; enable the development

28.1 of site-specific management plans; or enable  
28.2 the purchase of equipment, technology,  
28.3 subscriptions, technical assistance, seeds,  
28.4 seedlings, or amendments that will further any  
28.5 of the purposes of soil health.

28.6 **(m) Forever Green**

28.7 \$2,000,000 the second year is from the trust  
28.8 fund to the commissioner of agriculture for  
28.9 grants to the Board of Regents of the  
28.10 University of Minnesota to fund the Forever  
28.11 Green Agriculture Initiative and protect the  
28.12 state's natural resources while increasing the  
28.13 efficiency, profitability, and productivity of  
28.14 Minnesota farmers by incorporating perennial  
28.15 and winter-annual crops into existing  
28.16 agricultural practices.

28.17 **(n) Pig's Eye Landfill Task Force**

28.18 \$800,000 the second year is from the trust  
28.19 fund to the commissioner of the pollution  
28.20 control agency to establish a Pig's Eye Landfill  
28.21 Task Force to coordinate efforts to remediate  
28.22 and restore the Pig's Eye Landfill Superfund  
28.23 site and address perfluoroalkyl and  
28.24 polyfluoroalkyl substances (PFAS)  
28.25 contamination of Battle Creek, Pig's Eye Lake,  
28.26 and nearby groundwater. The task force must  
28.27 be made up of at least the commissioner of  
28.28 the Pollution Control Agency, the  
28.29 commissioner of natural resources, the  
28.30 commissioner of health, a representative from  
28.31 the Metropolitan Council, a representative  
28.32 from the city of St. Paul, a representative from  
28.33 Ramsey County, a representative from Dakota  
28.34 County, and representatives from relevant  
28.35 federal agencies. The task force is subject to

29.1 Minnesota Statutes, section 15.059,  
29.2 subdivision 6. The task force must submit an  
29.3 annual report to the chairs and ranking  
29.4 minority members of the legislative  
29.5 committees and divisions with jurisdiction  
29.6 over the environment and natural resources  
29.7 on the status of the task force's work. The final  
29.8 report is due February 15, 2026. The task force  
29.9 expires June 30, 2026. This appropriation is  
29.10 available until June 30, 2026.

29.11 **(o) Aquaculture Plan**

29.12 \$100,000 the second year is from the trust  
29.13 fund to the commissioner of agriculture to  
29.14 provide technical assistance and leadership in  
29.15 the development of a comprehensive and  
29.16 well-documented state aquaculture plan. The  
29.17 commissioner must provide the state  
29.18 aquaculture plan to the chairs and ranking  
29.19 minority members of the legislative  
29.20 committees with jurisdiction over agriculture  
29.21 finance and policy by February 15, 2023.

29.22 **(p) Noxious Weeds Prevention Grants**

29.23 \$1,000,000 the second year is from the trust  
29.24 fund to the commissioner of agriculture for  
29.25 grants to local units of government and Tribal  
29.26 Nations for noxious weed detection, control,  
29.27 and management.

29.28 **(q) Developing Markets for Continuous Living**  
29.29 **Cover Crops**

29.30 \$500,000 the second year is from the trust  
29.31 fund to the commissioner of agriculture for  
29.32 grants to organizations in Minnesota to  
29.33 develop enterprises, supply chains, and  
29.34 markets for continuous living cover crops and  
29.35 cropping systems in the early stage of

30.1 commercial development, including but not  
30.2 limited to regenerative poultry silvopasture  
30.3 systems, Kernza perennial grain, winter  
30.4 camelina, and elderberry.

30.5 **(r) Demonstration Project for Using Bioethanol**  
30.6 **in Diesel Engines to Reduce Greenhouse Gas**  
30.7 **Emissions**

30.8 \$800,000 the second year is from the trust  
30.9 fund to the commissioner of agriculture for a  
30.10 grant to perform an in-state demonstration of  
30.11 at least two vehicles that have converted diesel  
30.12 engines to run on Minnesota-produced  
30.13 bioethanol and to quantify greenhouse gas  
30.14 emissions, criteria pollution, and operating  
30.15 cost reduction. Data collected will be used to  
30.16 inform project partners of the total economic  
30.17 and environmental benefit to the state of  
30.18 Minnesota.

30.19 **(s) Veterinary Disease Testing for Wild Cervidae**

30.20 \$150,000 the second year is from the trust  
30.21 fund to the commissioner of agriculture for a  
30.22 grant to the Board of Regents of the University  
30.23 of Minnesota to purchase equipment for the  
30.24 Veterinary Diagnostic Laboratory to test for  
30.25 chronic wasting disease in the wild Cervidae  
30.26 population.

30.27 **(t) Emerging Issues Account**

30.28 \$244,000 the second year is from the trust  
30.29 fund to an emerging issues account authorized  
30.30 in Minnesota Statutes, section 116P.08,  
30.31 subdivision 4, paragraph (d).

30.32 **(u) Work Plans Not Required**

30.33 Notwithstanding anything to the contrary in  
30.34 this act or in Minnesota Statutes, chapter 116P,

31.1 a work plan shall not be required for any of  
 31.2 the projects described in this subdivision.  
 31.3 However, all other requirements applicable to  
 31.4 the use of environment and natural resources  
 31.5 trust fund money remain in force, including  
 31.6 the obligation to submit progress reports under  
 31.7 Minnesota Statutes, section 116P.05,  
 31.8 subdivision 2, and to comply with applicable  
 31.9 reporting requirements under Minnesota  
 31.10 Statutes, section 116P.16.

31.11 **Subd. 11. Administrative; 2022 Contract**  
 31.12 **Agreement Reimbursement**

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132,000

31.13 (a) \$132,000 the second year is from the trust  
 31.14 fund to the commissioner of natural resources,  
 31.15 at the direction of the Legislative-Citizen  
 31.16 Commission on Minnesota Resources, for  
 31.17 expenses incurred in preparing and  
 31.18 administering contracts, including for the  
 31.19 agreements specified in this section.

31.20 (b) \$78,000 is transferred from the amount  
 31.21 appropriated under Laws 2021, First Special  
 31.22 Session chapter 6, article 5, section 2,  
 31.23 subdivision 4, paragraph (b), to the  
 31.24 appropriation in paragraph (a) of this  
 31.25 subdivision. The commissioner must provide  
 31.26 documentation to the Legislative-Citizen  
 31.27 Commission on Minnesota Resources on the  
 31.28 expenditure of these funds.

31.29 **Subd. 12. Availability of Appropriations**

31.30 Money appropriated in this section may not  
 31.31 be spent on activities unless they are directly  
 31.32 related to and necessary for a specific  
 31.33 appropriation and are specified in the work  
 31.34 plan approved by the Legislative-Citizen  
 31.35 Commission on Minnesota Resources. Money

32.1 appropriated in this section must not be spent  
32.2 on indirect costs or other institutional overhead  
32.3 charges that are not directly related to and  
32.4 necessary for a specific appropriation. Costs  
32.5 that are directly related to and necessary for  
32.6 an appropriation, including financial services,  
32.7 human resources, information services, rent,  
32.8 and utilities, are eligible only if the costs can  
32.9 be clearly justified and individually  
32.10 documented specific to the appropriation's  
32.11 purpose and would not be generated by the  
32.12 recipient but for receipt of the appropriation.  
32.13 No broad allocations for costs in either dollars  
32.14 or percentages are allowed. Unless otherwise  
32.15 provided, the amounts in this section are  
32.16 available for three years beginning July 1,  
32.17 2022, and ending June 30, 2025, when projects  
32.18 must be completed and final products  
32.19 delivered. For acquisition of real property, the  
32.20 appropriations in this section are available for  
32.21 an additional fiscal year if a binding contract  
32.22 for acquisition of the real property is entered  
32.23 into before the expiration date of the  
32.24 appropriation. If a project receives a federal  
32.25 award, the period of the appropriation is  
32.26 extended to equal the federal award period to  
32.27 a maximum trust fund appropriation length of  
32.28 six years.

32.29 **Subd. 13. Data Availability Requirements Data**

32.30 Data collected by the projects funded under  
32.31 this section must conform to guidelines and  
32.32 standards adopted by Minnesota IT Services.  
32.33 Spatial data must also conform to additional  
32.34 guidelines and standards designed to support  
32.35 data coordination and distribution that have

33.1 been published by the Minnesota Geospatial  
33.2 Information Office. Descriptions of spatial  
33.3 data must be prepared as specified in the state's  
33.4 geographic metadata guideline and must be  
33.5 submitted to the Minnesota Geospatial  
33.6 Information Office. All data must be  
33.7 accessible and free to the public unless made  
33.8 private under the Data Practices Act,  
33.9 Minnesota Statutes, chapter 13. To the extent  
33.10 practicable, summary data and results of  
33.11 projects funded under this section should be  
33.12 readily accessible on the Internet and  
33.13 identified as having received funding from the  
33.14 environment and natural resources trust fund.

33.15 **Subd. 14. Project Requirements**

33.16 (a) Except as provided in subdivision 10,  
33.17 paragraph (u), as a condition of accepting an  
33.18 appropriation under this section, an agency or  
33.19 entity receiving an appropriation or a party to  
33.20 an agreement from an appropriation must  
33.21 comply with paragraphs (b) to (l) and  
33.22 Minnesota Statutes, chapter 116P, and must  
33.23 submit a work plan and annual or semiannual  
33.24 progress reports in the form determined by the  
33.25 Legislative-Citizen Commission on Minnesota  
33.26 Resources for any project funded in whole or  
33.27 in part with funds from the appropriation.  
33.28 Modifications to the approved work plan and  
33.29 budget expenditures must be made through  
33.30 the amendment process established by the  
33.31 Legislative-Citizen Commission on Minnesota  
33.32 Resources.

33.33 (b) A recipient of money appropriated in this  
33.34 section that conducts a restoration using funds  
33.35 appropriated in this section must use native

34.1 plant species according to the Board of Water  
34.2 and Soil Resources' native vegetation  
34.3 establishment and enhancement guidelines  
34.4 and include an appropriate diversity of native  
34.5 species selected to provide habitat for  
34.6 pollinators throughout the growing season as  
34.7 required under Minnesota Statutes, section  
34.8 84.973.

34.9 (c) For all restorations conducted with money  
34.10 appropriated under this section, a recipient  
34.11 must prepare an ecological restoration and  
34.12 management plan that, to the degree  
34.13 practicable, is consistent with the  
34.14 highest-quality conservation and ecological  
34.15 goals for the restoration site. Consideration  
34.16 should be given to soil, geology, topography,  
34.17 and other relevant factors that would provide  
34.18 the best chance for long-term success and  
34.19 durability of the restoration project. The plan  
34.20 must include the proposed timetable for  
34.21 implementing the restoration, including site  
34.22 preparation, establishment of diverse plant  
34.23 species, maintenance, and additional  
34.24 enhancement to establish the restoration;  
34.25 identify long-term maintenance and  
34.26 management needs of the restoration and how  
34.27 the maintenance, management, and  
34.28 enhancement will be financed; and take  
34.29 advantage of the best-available science and  
34.30 include innovative techniques to achieve the  
34.31 best restoration.

34.32 (d) An entity receiving an appropriation in this  
34.33 section for restoration activities must provide  
34.34 an initial restoration evaluation at the  
34.35 completion of the appropriation and an

35.1 evaluation three years after the completion of  
35.2 the expenditure. Restorations must be  
35.3 evaluated relative to the stated goals and  
35.4 standards in the restoration plan, current  
35.5 science, and, when applicable, the Board of  
35.6 Water and Soil Resources' native vegetation  
35.7 establishment and enhancement guidelines.  
35.8 The evaluation must determine whether the  
35.9 restorations are meeting planned goals,  
35.10 identify any problems with implementing the  
35.11 restorations, and, if necessary, give  
35.12 recommendations on improving restorations.  
35.13 The evaluation must be focused on improving  
35.14 future restorations.

35.15 (e) All restoration and enhancement projects  
35.16 funded with money appropriated in this section  
35.17 must be on land permanently protected by a  
35.18 conservation easement or public ownership.

35.19 (f) A recipient of money from an appropriation  
35.20 under this section must give consideration to  
35.21 contracting with Conservation Corps  
35.22 Minnesota for contract restoration and  
35.23 enhancement services.

35.24 (g) All conservation easements acquired with  
35.25 money appropriated under this section must:

35.26 (1) be permanent;

35.27 (2) specify the parties to an easement in the  
35.28 easement;

35.29 (3) specify all provisions of an agreement that  
35.30 are permanent;

35.31 (4) be sent to the Legislative-Citizen  
35.32 Commission on Minnesota Resources in an  
35.33 electronic format at least ten business days  
35.34 before closing;

36.1 (5) include a long-term monitoring and  
36.2 enforcement plan and funding for monitoring  
36.3 and enforcing the easement agreement; and  
36.4 (6) include requirements in the easement  
36.5 document to protect the quantity and quality  
36.6 of groundwater and surface water through  
36.7 specific activities such as keeping water on  
36.8 the landscape, reducing nutrient and  
36.9 contaminant loading, and not permitting  
36.10 artificial hydrological modifications.

36.11 (h) For any acquisition of lands or interest in  
36.12 lands, a recipient of money appropriated under  
36.13 this section must not agree to pay more than  
36.14 100 percent of the appraised value for a parcel  
36.15 of land using this money to complete the  
36.16 purchase, in part or in whole, except that up  
36.17 to ten percent above the appraised value may  
36.18 be allowed to complete the purchase, in part  
36.19 or in whole, using this money if permission is  
36.20 received in advance of the purchase from the  
36.21 Legislative-Citizen Commission on Minnesota  
36.22 Resources.

36.23 (i) For any acquisition of land or interest in  
36.24 land, a recipient of money appropriated under  
36.25 this section must give priority to high-quality  
36.26 natural resources or conservation lands that  
36.27 provide natural buffers to water resources.

36.28 (j) For new lands acquired with money  
36.29 appropriated under this section, a recipient  
36.30 must prepare an ecological restoration and  
36.31 management plan in compliance with  
36.32 paragraph (c), including sufficient funding for  
36.33 implementation unless the work plan addresses  
36.34 why a portion of the money is not necessary  
36.35 to achieve a high-quality restoration.

37.1 (k) To ensure public accountability for using  
37.2 public funds, a recipient of money  
37.3 appropriated under this section must, within  
37.4 60 days of the transaction, provide to the  
37.5 Legislative-Citizen Commission on Minnesota  
37.6 Resources documentation of the selection  
37.7 process used to identify parcels acquired and  
37.8 provide documentation of all related  
37.9 transaction costs, including but not limited to  
37.10 appraisals, legal fees, recording fees,  
37.11 commissions, other similar costs, and  
37.12 donations. This information must be provided  
37.13 for all parties involved in the transaction. The  
37.14 recipient must also report to the  
37.15 Legislative-Citizen Commission on Minnesota  
37.16 Resources any difference between the  
37.17 acquisition amount paid to the seller and the  
37.18 state-certified or state-reviewed appraisal, if  
37.19 a state-certified or state-reviewed appraisal  
37.20 was conducted.

37.21 (l) A recipient of an appropriation from the  
37.22 trust fund under this section must acknowledge  
37.23 financial support from the environment and  
37.24 natural resources trust fund in project  
37.25 publications, signage, and other public  
37.26 communications and outreach related to work  
37.27 completed using the appropriation.

37.28 Acknowledgment may occur, as appropriate,  
37.29 through use of the trust fund logo or inclusion  
37.30 of language attributing support from the trust  
37.31 fund. Each direct recipient of money  
37.32 appropriated in this section, as well as each  
37.33 recipient of a grant awarded pursuant to this  
37.34 section, must satisfy all reporting and other  
37.35 requirements incumbent upon constitutionally  
37.36 dedicated funding recipients as provided in

38.1 Minnesota Statutes, section 3.303, subdivision  
38.2 10, and chapter 116P.

38.3 (m) A recipient of an appropriation from the  
38.4 trust fund under this section that is receiving  
38.5 funding to conduct children's services, as  
38.6 defined in Minnesota Statutes, section  
38.7 299C.61, subdivision 7, must certify to the  
38.8 Legislative-Citizen Commission on Minnesota  
38.9 Resources, as part of the required work plan,  
38.10 that criminal background checks for  
38.11 background check crimes, as defined in  
38.12 Minnesota Statutes, section 299C.61,  
38.13 subdivision 2, are performed on all employees,  
38.14 contractors, and volunteers that have or may  
38.15 have access to a child to whom the recipient  
38.16 provides children's services using the  
38.17 appropriation.

38.18 **Subd. 15. Payment Conditions and Capital**  
38.19 **Equipment Expenditures**

38.20 (a) All agreements, grants, or contracts  
38.21 referred to in this section must be administered  
38.22 on a reimbursement basis unless otherwise  
38.23 provided in this section. Notwithstanding  
38.24 Minnesota Statutes, section 16A.41,  
38.25 expenditures made on or after July 1, 2022,  
38.26 or the date the work plan is approved,  
38.27 whichever is later, are eligible for  
38.28 reimbursement unless otherwise provided in  
38.29 this section. Periodic payments must be made  
38.30 upon receiving documentation that the  
38.31 deliverable items articulated in the approved  
38.32 work plan have been achieved, including  
38.33 partial achievements as evidenced by approved  
38.34 progress reports. Reasonable amounts may be  
38.35 advanced to projects to accommodate

39.1 cash-flow needs or match federal money. The  
39.2 advances must be approved as part of the work  
39.3 plan. No expenditures for capital equipment  
39.4 are allowed unless expressly authorized in the  
39.5 project work plan.

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

39.8 **Subd. 16. Purchasing Recycled and Recyclable**  
39.9 **Materials**

39.10 A political subdivision, public or private  
39.11 corporation, or other entity that receives an  
39.12 appropriation under this section must use the  
39.13 appropriation in compliance with Minnesota  
39.14 Statutes, section 16C.0725, regarding  
39.15 purchasing recycled, repairable, and durable  
39.16 materials, and Minnesota Statutes, section  
39.17 16C.073, regarding purchasing and using  
39.18 paper stock and printing.

39.19 **Subd. 17. Energy Conservation and Sustainable**  
39.20 **Building Guidelines**

39.21 A recipient to whom an appropriation is made  
39.22 under this section for a capital improvement  
39.23 project must ensure that the project complies  
39.24 with the applicable energy conservation and  
39.25 sustainable building guidelines and standards  
39.26 contained in law, including Minnesota  
39.27 Statutes, sections 16B.325, 216C.19, and  
39.28 216C.20, and rules adopted under those  
39.29 sections. The recipient may use the energy  
39.30 planning, advocacy, and State Energy Office  
39.31 units of the Department of Commerce to  
39.32 obtain information and technical assistance  
39.33 on energy conservation and alternative-energy  
39.34 development relating to planning and  
39.35 constructing the capital improvement project.

40.1 **Subd. 18. Accessibility**

40.2 Structural and nonstructural facilities must  
40.3 meet the design standards in the Americans  
40.4 with Disabilities Act (ADA) accessibility  
40.5 guidelines.

40.6 **Subd. 19. Carryforward; Extensions**

40.7 (a) The availability of the appropriation under  
40.8 Laws 2019, First Special Session chapter 4,  
40.9 article 2, section 2, subdivision 9, paragraph  
40.10 (e), National Loon Center, is extended to June  
40.11 30, 2024.

40.12 (b) The availability of the transfers for the  
40.13 following projects are extended to June 30,  
40.14 2024:

40.15 (1) Laws 2021, First Special Session chapter  
40.16 6, article 5, section 2, subdivision 20,  
40.17 paragraph (a), clause (1), for the  
40.18 Unprecedented Change Threatens Minnesota's  
40.19 Pristine Lakes project;

40.20 (2) Laws 2021, First Special Session chapter  
40.21 6, article 5, section 2, subdivision 20,  
40.22 paragraph (a), clause (2), for the Wastewater  
40.23 Pond Optimization project;

40.24 (3) Laws 2021, First Special Session chapter  
40.25 6, article 5, section 2, subdivision 20,  
40.26 paragraph (a), clause (3), for the Applied  
40.27 Research in State Mineral and Water  
40.28 Resources project;

40.29 (4) Laws 2021, First Special Session chapter  
40.30 6, article 5, section 2, subdivision 20,  
40.31 paragraph (a), clause (4), for the Chloride  
40.32 Pollution Reduction project;

- 41.1 (5) Laws 2021, First Special Session chapter  
41.2 6, article 5, section 2, subdivision 20,  
41.3 paragraph (a), clause (5), for the CWD Prion  
41.4 Research in Soils project;
- 41.5 (6) Laws 2021, First Special Session chapter  
41.6 6, article 5, section 2, subdivision 20,  
41.7 paragraph (b), clauses (1) and (2), Lawns to  
41.8 Legumes;
- 41.9 (7) Laws 2021, First Special Session chapter  
41.10 6, article 5, section 2, subdivision 20,  
41.11 paragraph (c), clauses (1) to (8), Emerging  
41.12 Issues Account; and
- 41.13 (8) Laws 2021, First Special Session chapter  
41.14 6, article 6, section 2, subdivision 19,  
41.15 paragraph (a), clauses (1) to (4), for the Forest  
41.16 Health Research, Development and  
41.17 Demonstration project at the Natural  
41.18 Resources Research Institute.
- 41.19 (c) Notwithstanding Minnesota Statutes,  
41.20 section 16A.28, or any other law to the  
41.21 contrary, the availability of any appropriation  
41.22 or grant of money from the environment and  
41.23 natural resources trust fund that would  
41.24 otherwise cancel, lapse, or expire on June 30,  
41.25 2022, is extended to June 30, 2023, if the  
41.26 recipient or grantee:
- 41.27 (1) by May 15, 2022, notifies the  
41.28 Legislative-Citizen Commission on Minnesota  
41.29 Resources in the manner specified by the  
41.30 commission that the recipient or grantee  
41.31 intends to avail itself of the extension available  
41.32 under this subdivision; and
- 41.33 (2) modifies the applicable work plan where  
41.34 required by Minnesota Statutes, section

42.1 116P.05, subdivision 2, in accordance with  
42.2 the work plan amendment procedures adopted  
42.3 under that section.

42.4 (d) The commission must notify the  
42.5 commissioner of management and budget and  
42.6 the commissioner of natural resources of any  
42.7 extension granted under paragraph (c).

42.8 **EFFECTIVE DATE.** Subdivision 18 is effective the day following final enactment.

42.9 Sec. 3. **SALE OF CERTAIN PARCELS; CITY OF BUHL.**

42.10 Notwithstanding the Legislative Commission on Minnesota Resources project agreement  
42.11 between the city of Buhl and the Department of Energy and Economic Development entered  
42.12 into on April 15, 1987, or any other provision of law, the city of Buhl may plat and sell for  
42.13 development portions of the area subject to the agreement so long as grant money received  
42.14 under the agreement was not used to improve the parcels sold. Replacement is not required  
42.15 for land sold under this section.

42.16 **EFFECTIVE DATE.** This section is effective retroactively from April 15, 1987, the  
42.17 day after the governing body of the city of Buhl and its chief clerical officer timely complete  
42.18 their compliance with Minnesota Statutes, section 645.021, subdivisions 2 and 3."

42.19 Amend the title accordingly