moves to amend H.F. No. 1731 as follows:

Delete everything after the enacting clause and insert:

"Section 1. CLEAN WATER FUND APPROPRIATIONS.

The sums shown in the columns marked "Appropriations" are appropriated to the agencies and for the purposes specified in this article. The appropriations are from the clean water fund and are available for the fiscal years indicated for allowable activities under the Minnesota Constitution, article XI, section 15. The figures "2018" and "2019" used in this article mean that the appropriations listed under them are available for the fiscal year ending June 30, 2018, or June 30, 2019, respectively. "The first year" is fiscal year 2018. "The second year" is fiscal year 2019. "The biennium" is fiscal years 2018 and 2019. The appropriations in this article are onetime.

<table>
<thead>
<tr>
<th>APPROPRIATIONS</th>
<th>Available for the Year</th>
<th>Ending June 30</th>
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<tbody>
<tr>
<td></td>
<td></td>
<td>2018</td>
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<td>2019</td>
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</tbody>
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Sec. 2. CLEAN WATER

Subdivision 1. Total Appropriation $105,640,000 $112,499,000

The amounts that may be spent for each purpose are specified in the following sections.

Subd. 2. Availability of Appropriation

Money appropriated in this article may not be spent on activities unless they are directly related to and necessary for a specific appropriation. Money appropriated in this...
article must be spent in accordance with
Minnesota Management and Budget's Guidance to Agencies on Legacy Fund Expenditure. Notwithstanding Minnesota Statutes, section 16A.28, and unless otherwise specified in this article, fiscal year 2018 appropriations are available until June 30, 2019, and fiscal year 2019 appropriations are available until June 30, 2020. If a project receives federal funds, the period of the appropriation is extended to equal the availability of federal funding.

Subd. 3. Disability Access
Where appropriate, grant recipients of clean water funds, in consultation with the Council on Disability and other appropriate governor-appointed disability councils, boards, committees, and commissions, should make progress toward providing greater access to programs, print publications, and digital media for people with disabilities related to the programs the recipient funds using appropriations made in this article.

Sec. 3. DEPARTMENT OF AGRICULTURE $ 8,808,000 $ 8,808,000
(a) $350,000 the first year and $350,000 the second year are to increase monitoring for pesticides and pesticide degradates in surface water and groundwater and to use data collected to assess pesticide use practices.
(b) $2,085,000 the first year and $2,086,000 the second year are for monitoring and evaluating trends in the concentration of nitrate in groundwater in areas vulnerable to groundwater degradation; promoting.
developing, and evaluating regional and crop-specific nutrient best management practices; assessing best management practice adoption; education and technical support from University of Minnesota Extension; grants to support agricultural demonstration and implementation activities; and other actions to protect groundwater from degradation from nitrate. This appropriation is available until June 30, 2022.

(c) $75,000 the first year and $75,000 the second year are for administering clean water funds managed through the agriculture best management practices loan program. Any unencumbered balance at the end of the second year shall be added to the corpus of the loan fund.

(d) $1,200,000 the first year and $1,200,000 the second year are for technical assistance, research, and demonstration projects on proper implementation of best management practices and more precise information on nonpoint contributions to impaired waters and for grants to support on-farm demonstration of agricultural practices. This appropriation is available until June 30, 2022.

(e) $663,000 the first year and $662,000 the second year are for research to quantify and reduce agricultural contributions to impaired waters and for development and evaluation of best management practices to protect and restore water resources. This appropriation is available until June 30, 2022.

(f) $50,000 the first year and $50,000 the second year are for a research inventory
4.1 database containing water-related research activities. Costs for information technology development or support for this research inventory database may be paid to the Office of MN.IT Services. This appropriation is available until June 30, 2022.

4.7 (g) $2,750,000 the first year and $2,750,000 the second year are to implement the Minnesota agricultural water quality certification program statewide. Funds appropriated in this paragraph are available until June 30, 2021.

4.13 (h) $110,000 the first year and $110,000 the second year are to provide funding for a regional irrigation water quality specialist through University of Minnesota Extension.

4.17 (i) $450,000 the first year and $450,000 the second year are for grants to the Board of Regents of the University of Minnesota to fund the Forever Green Agriculture Initiative and to protect the state's natural resources while increasing the efficiency, profitability, and productivity of Minnesota farmers by incorporating perennial and winter-annual crops into existing agricultural practices. This appropriation is available until June 30, 2022.

4.27 (j) $1,000,000 the first year and $1,000,000 the second year are for pesticide testing of private wells where nitrate is detected, as part of the Township Testing Program. This appropriation is available until June 30, 2022.

4.32 (k) $75,000 the first year and $75,000 the second year are to evaluate market opportunities and develop markets for crops.
that can be profitable for farmers and
beneficial for water quality and soil health.

(l) A portion of the funds in this section may
be used for programs to train state and local
outreach staff in the intersection between
agricultural economics and agricultural
conservation.

Sec. 4. PUBLIC FACILITIES AUTHORITY  $  7,625,000 $  9,625,000

(a) $7,500,000 the first year and $9,500,000
the second year are for the point source
implementation grants program under
Minnesota Statutes, section 446A.073. This
appropriation is available until June 30, 2022.

(b) $125,000 the first year and $125,000 the
second year are for small community
wastewater treatment grants and loans under
Minnesota Statutes, section 446A.075. This
appropriation is available until June 30, 2022.

(c) If there are any uncommitted funds at the
end of each fiscal year under paragraph (a) or
(b), the Public Facilities Authority may
transfer the remaining funds to eligible
projects under any of the programs listed in
this section based on their priority rank on the
Pollution Control Agency's project priority
list.

Sec. 5. POLLUTION CONTROL AGENCY  $  27,888,000 $  27,887,000

(a) $8,275,000 the first year and $8,275,000
the second year are for completion of needed
statewide assessments of surface water quality
and trends according to Minnesota Statutes,
chapter 114D.
(b) $10,231,000 the first year and $10,232,000 the second year are to develop watershed restoration and protection strategies (WRAPS), which include total maximum daily load (TMDL) studies and TMDL implementation plans for waters listed on the United States Environmental Protection Agency approved impaired waters list in accordance with Minnesota Statutes, chapter 114D. The agency shall complete an average of ten percent of the TMDLs each year over the biennium.

c) $1,181,000 the first year and $1,182,000 the second year are for groundwater assessment, including enhancing the ambient monitoring network, modeling, and evaluating trends, including the reassessment of groundwater that was assessed ten to 15 years ago and found to be contaminated.

d) $838,000 the first year and $837,000 the second year are for implementation of the St. Louis River System Area of Concern Remedial Action Plan. This appropriation must be matched at a rate of 65 percent nonstate money to 35 percent state money.

e) $1,155,000 the first year and $1,155,000 the second year are for TMDL research and database development.

(f) $979,000 the first year and $978,000 the second year are for national pollutant discharge elimination system wastewater and storm water TMDL implementation efforts.

g) $3,900,000 the first year and $3,900,000 the second year are for enhancing the county-level delivery systems for subsurface
sewage treatment system (SSTS) activities
necessary to implement Minnesota Statutes, sections 115.55 and 115.56, for protection of groundwater, including base grants for all counties with SSTS programs and competitive grants to counties with specific plans to significantly reduce water pollution by reducing the number of systems that are an imminent threat to public health or safety or are otherwise failing. Counties that receive base grants must report the number of sewage noncompliant properties upgraded through SSTS replacement, connection to a centralized sewer system, or other means, including property abandonment or buy-out. Counties also must report the number of existing SSTS compliance inspections conducted in areas under county jurisdiction. These required reports are to be part of established annual reporting for SSTS programs. Counties that conduct SSTS inventories or those with an ordinance in place that requires an SSTS to be inspected as a condition of transferring property or as a condition of obtaining a local permit must be given priority for competitive grants under this paragraph. Of this amount, $1,000,000 each year is available to counties for grants to low-income landowners to address systems that pose an imminent threat to public health or safety or fail to protect groundwater. A grant awarded under this paragraph may not exceed $40,000 for the biennium. A county receiving a grant under this paragraph must submit a report to the agency listing the projects funded, including an account of the expenditures.
8.1 (h) $279,000 the first year and $278,000 the second year are for accelerated implementation of MS4 permit requirements including additional technical assistance to municipalities experiencing difficulties understanding and implementing the basic requirements of the municipal stormwater program.

8.9 (i) $1,000,000 the first year and $1,000,000 the second year are for grants for sanitary-sewer projects that are included in the draft or any updated Voyageurs National Park Clean Water Project Comprehensive Plan to restore the water quality of waters in Voyageurs National Park. Grants must be awarded to local government units for projects approved by the Voyageurs National Park Clean Water Joint Powers Board and must be matched by at least 25 percent from sources other than the clean water fund.

8.21 (j) $50,000 the first year and $50,000 the second year are to support activities of the Clean Water Council according to Minnesota Statutes, section 114D.30, subdivision 1.

8.25 (k) Notwithstanding Minnesota Statutes, section 16A.28, the appropriations in this section are available until June 30, 2022.

8.28 Sec. 6. DEPARTMENT OF NATURAL RESOURCES $ 10,270,000 $ 10,270,000

8.30 (a) $1,950,000 the first year and $1,950,000 the second year are for stream flow monitoring.
(b) $1,250,000 the first year and $1,250,000 the second year are for lake Index of Biological Integrity (IBI) assessments.

c) $135,000 the first year and $135,000 the second year are for assessing mercury and other contaminants of fish, including monitoring to track the status of impaired waters over time.

d) $1,985,000 the first year and $1,985,000 the second year are for developing targeted, science-based watershed restoration and protection strategies.

e) $1,875,000 the first year and $1,875,000 the second year are for water supply planning, aquifer protection, and monitoring activities.

(f) $1,000,000 the first year and $1,000,000 the second year are for technical assistance to support local implementation of nonpoint source restoration and protection activities.

g) $850,000 the first year and $850,000 the second year are for applied research and tools, including watershed hydrologic modeling; maintaining and updating spatial data for watershed boundaries, streams, and water bodies and integrating high-resolution digital elevation data; and assessing effectiveness of forestry best management practices for water quality.

(h) $125,000 the first year and $125,000 the second year are for developing county geologic atlases.

(i) $100,000 the first year and $100,000 the second year are for maintenance and updates to buffer maps and for technical guidance on
buffer map interpretation to local units of government for implementation of buffer requirements. Maps must be provided to local units of government and made available to landowners on the Department of Natural Resources' Web site.

(j) $1,000,000 the first year and $1,000,000 the second year are to acquire permanent conservation easements in targeted areas to protect the forests and shorelands that supply clean water to lakes, rivers, and streams under Minnesota Statutes, section 84.66.

Sec. 7. BOARD OF WATER AND SOIL RESOURCES

(a) $3,317,000 the first year and $7,683,000 the second year are for grants to local government units organized for managing water in a watershed or subwatershed that have multiyear plans that will result in a significant reduction in water pollution in a selected subwatershed. The grants may be used to implement projects that protect, enhance, and restore surface water quality in lakes, rivers, and streams, protect groundwater from degradation, and protect drinking water sources. Grant recipients must identify a nonstate match and may use other legacy funds to supplement projects funded under this paragraph.

(b) $12,250,000 the first year and $12,250,000 the second year are for grants to protect and restore surface water and drinking water; to keep water on the land; to protect, enhance, and restore water quality in lakes, rivers, and streams; and to protect groundwater and

Sec. 7.
drinking water, including feedlot water quality
and subsurface sewage treatment system
projects and stream bank, stream channel,
shoreline restoration, and ravine stabilization
projects. The projects must use practices
demonstrated to be effective, be of long-lasting
public benefit, include a match, and be
consistent with total maximum daily load
(TMDL) implementation plans, watershed
restoration and protection strategies (WRAPS),
or local water management plans or their
equivalents. A portion of these funds may be
used to seek administrative efficiencies
through shared resources by multiple local
governmental units.

(c) $4,000,000 the first year and $4,000,000
the second year are for accelerated
implementation, including local resource
protection and enhancement grants and
statewide program enhancements of
supplements for technical assistance, citizen
and community outreach, compliance, and
training and certification.

(d) $950,000 the first year and $950,000 the
second year are to provide state oversight and
accountability, evaluate results, provide
implementation tools, and measure the value
of conservation program implementation by
local governments, including submission to
the legislature by March 1 each
even-numbered year a biennial report prepared
by the board, in consultation with the
commissioners of natural resources, health,
agriculture, and the Pollution Control Agency,
detailing the recipients, the projects funded
under this section, and the amount of pollution
reduced.

(e) $3,400,000 the first year and $3,400,000
the second year are to provide assistance,
oversight, and grants for supporting local
governments in implementing and complying
with riparian protection and excessive soil loss
requirements.

(f) $6,000,000 the first year and $6,000,000
the second year are to restore or preserve
permanent conservation on riparian buffers
adjacent to lakes, rivers, streams, and
tributaries, to keep water on the land in order
to decrease sediment, pollutant, and nutrient
transport; reduce hydrologic impacts to surface
waters; and increase infiltration for
groundwater recharge. This appropriation may
be used for restoration of riparian buffers
permanently protected by easements purchased
with this appropriation or contracts to achieve
permanent protection for riparian buffers or
stream bank restorations when the riparian
buffers have been restored. Up to $1,920,000
is for deposit in a monitoring and enforcement
account.

(g) $1,750,000 the first year and $1,750,000
the second year are for permanent
conservation easements on wellhead protection
areas under Minnesota Statutes, section
103F.515, subdivision 2, paragraph (d), or for
grants to local units of government for fee title
acquisition to permanently protect
groundwater supply sources on wellhead
protection areas or for otherwise assuring
long-term protection of groundwater supply
sources as described under alternative management tools in the Department of Agriculture's Nitrogen Fertilizer Management Plan, including low nitrogen cropping systems or implementing nitrogen fertilizer best management practices. Priority must be placed on land that is located where the vulnerability of the drinking water supply is designated as high or very high by the commissioner of health, where drinking water protection plans have identified specific activities that will achieve long-term protection, and on lands with expiring Conservation Reserve Program contracts. Up to $105,000 is for deposit in a monitoring and enforcement account.

(h) $84,000 the first year and $84,000 the second year are for a technical evaluation panel to conduct ten restoration evaluations under Minnesota Statutes, section 114D.50, subdivision 6.

(i) $2,100,000 the first year and $2,100,000 the second year are for assistance, oversight, and grants to local governments to transition local water management plans to a watershed approach as provided for in Minnesota Statutes, chapters 103B, 103C, 103D, and 114D.

(j) $750,000 the first year and $750,000 the second year are for technical assistance and grants for the conservation drainage program in consultation with the Drainage Work Group, coordinated under Minnesota Statutes, section 103B.101, subdivision 13, that includes projects to improve multipurpose water
management under Minnesota Statutes, section 103E.015.

(k) $9,000,000 the first year and $9,000,000 the second year are to purchase and restore permanent conservation sites via easements or contracts to treat and store water on the land for water quality improvement purposes and related technical assistance. This work may be done in cooperation with the United States Department of Agriculture with a first priority use to accomplish a conservation reserve enhancement program, or equivalent, in the state. Up to $2,880,000 is for deposit in a monitoring and enforcement account.

(l) $1,000,000 the first year and $1,000,000 the second year are to purchase permanent conservation easements to protect lands adjacent to public waters with good water quality but threatened with degradation. Up to $60,000 is for deposit in a monitoring and enforcement account.

(m) $425,000 the first year and $425,000 the second year are for a program to systematically collect data and produce county, watershed, and statewide estimates of soil erosion caused by water and wind along with tracking adoption of conservation measures, including cover crops, to address erosion.

(n) The board shall contract for delivery of services with Conservation Corps Minnesota for restoration, maintenance, and other activities under this section for up to $500,000 the first year and up to $500,000 the second year.
15.1 (o) The board may shift grant or cost-share funds in this section and may adjust the technical and administrative assistance portion of the funds to leverage federal or other nonstate funds or to address oversight responsibilities or high-priority needs identified in local water management plans.

15.8 (p) The board shall require grantees to specify the outcomes that will be achieved by the grants prior to any grant awards.

15.11 (q) The appropriations in this section are available until June 30, 2022. Returned grant funds are available until expended and shall be regranted consistent with the purposes of this section.

15.16 Sec. 8. DEPARTMENT OF HEALTH $ 4,573,000 $ 5,082,000

15.17 (a) $1,100,000 the first year and $1,100,000 the second year are for addressing public health concerns related to contaminants found in Minnesota drinking water for which no health-based drinking water standards exist, including accelerating the development of health risk limits and improving the capacity of the department's laboratory to analyze unregulated contaminants.

15.26 (b) $2,523,000 the first year and $3,032,000 the second year are for protection of drinking water sources.

15.29 (c) $250,000 the first year and $250,000 the second year are for cost-share assistance to public and private well owners for up to 50 percent of the cost of sealing unused wells.
(d) $200,000 the first year and $200,000 the second year are to develop and deliver groundwater restoration and protection strategies for use on a watershed scale for use in local water planning efforts and to provide resources to local governments for drinking water source protection activities.

(e) $400,000 the first year and $400,000 the second year are for studying the occurrence and magnitude of contaminants in private wells and developing guidance and outreach to reduce risks to private-well owners.

(f) $100,000 the first year and $100,000 the second year are for evaluating and addressing the risks from viruses in water supplies.

(g) Unless otherwise specified, the appropriations in this section are available until June 30, 2021.

Sec. 9. **METROPOLITAN COUNCIL**

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<th>$1,435,000</th>
<th>$1,435,000</th>
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(a) $1,000,000 the first year and $1,000,000 the second year are to implement projects that address emerging drinking-water supply threats, provide cost-effective regional solutions, leverage interjurisdictional coordination, support local implementation of water supply reliability projects, and prevent degradation of groundwater resources in the metropolitan area. These projects will provide to communities:

(1) potential solutions to leverage regional water use through use of surface water, storm water, wastewater, and groundwater;
(2) an analysis of infrastructure requirements for different alternatives;

(3) development of planning level cost estimates, including capital cost and operation cost;

(4) identification of funding mechanisms and an equitable cost-sharing structure for regionally beneficial water supply development projects; and

(5) development of subregional groundwater models.

(b) $435,000 the first year and $435,000 the second year are for the water demand reduction grant program to encourage implementation of water demand reduction measures by municipalities in the metropolitan area to ensure the reliability and protection of drinking water supplies.

Sec. 10. LEGISLATURE $ 15,000

$15,000 the first year is for the Legislative Coordinating Commission for the Web site required in Minnesota Statutes, section 3.303, subdivision 10."