

**SENATE  
STATE OF MINNESOTA  
NINETY-THIRD SESSION**

**S.F. No. 4910**

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DATE  
03/13/2024

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Introduction and first reading  
Referred to Environment, Climate, and Legacy

OFFICIAL STATUS

1.1 A bill for an act  
1.2 relating to climate; appropriating money for a study on climate-change adaptation  
1.3 costs; requiring a report.

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

1.5 Section 1. **APPROPRIATION; CLIMATE-CHANGE ADAPTATION STUDY.**

1.6 (a) \$..... in fiscal year 2025 is appropriated from the general fund to the commissioner  
1.7 of the Pollution Control Agency to research the projected costs in Minnesota of  
1.8 climate-change adaptation and resilience measures needed to fully mitigate the projected  
1.9 impacts described in the Intergovernmental Panel on Climate Change's Sixth Assessment  
1.10 Report, Shared Socioeconomic Pathways for Scenarios 2, 3, and 5. The report must:

1.11 (1) estimate costs for years 2040, 2060, 2080, and 2100, using 2024 dollars as a baseline;

1.12 (2) estimate costs related to hazards, including but not limited to precipitation and heat,  
1.13 and the impacts of precipitation and heat on soil and lakes; and

1.14 (3) provide an analysis of the projected costs and impacts of additional hazards such as  
1.15 flooding, drought, wildfires, high wind events, extreme cold, and vector-borne illnesses.

1.16 (b) As practicable, given available modeling, the report's estimates and analysis must  
1.17 consider the projected impacts on:

1.18 (1) the state's natural environment, including but not limited to:

1.19 (i) lands, including but not limited to working lands and natural lands, forests, prairies,  
1.20 peat lands, bogs, and fens;

- 2.1 (ii) water, including but not limited to surface waters, rivers, drinking water, and Lake  
2.2 Superior;
- 2.3 (iii) air, including but not limited to surface temperature and air quality; and
- 2.4 (iv) the biodiversity of Minnesota's biomes;
- 2.5 (2) the state's built environment, including but not limited to:
- 2.6 (i) residential, commercial, and public buildings; and
- 2.7 (ii) critical infrastructure, including but not limited to infrastructure for stormwater,  
2.8 wastewater, drinking water, transportation, electricity, gas, and communications technologies;  
2.9 and
- 2.10 (3) the state's social environment, including but not limited to:
- 2.11 (i) human settlement and migration;
- 2.12 (ii) statewide and regional economies, including but not limited to industries such as  
2.13 tourism, agriculture, and forest products; and
- 2.14 (iii) public health, including but not limited to emergency response, asthma, heat exposure,  
2.15 and vector-borne illnesses.
- 2.16 (c) To the maximum extent practicable, the report should integrate with the University  
2.17 of Minnesota's Minnesota CliMAT (Climate Mapping and Analysis Tool) or any successor  
2.18 modeling tools.
- 2.19 (d) By February 1, 2025, the commissioner must submit a written report to the chairs  
2.20 and ranking minority members of the legislative committees with primary jurisdiction over  
2.21 energy, environment, health, transportation, and capital investment summarizing the findings  
2.22 of the research.