

1.1 A bill for an act
1.2 relating to climate change; providing a grant to the University of Minnesota to
1.3 generate projections of climate variables across the state through the rest of this
1.4 century; appropriating money.

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

1.6 Section 1. **APPROPRIATION; SMALL AREA CLIMATE MODEL PROJECTIONS**
1.7 **FOR MINNESOTA.**

1.8 (a) Notwithstanding Minnesota Statutes, section 116C.779, subdivision 1, paragraph (j),
1.9 \$582,800 in fiscal year 2021 is appropriated from the renewable development account
1.10 established under Minnesota Statutes, section 116C.779, subdivision 1, to the commissioner
1.11 of commerce for a grant to the Board of Regents of the University of Minnesota to conduct
1.12 a study that generates climate model projections for the entire state of Minnesota, at a level
1.13 of detail as small as three square miles in area.

1.14 (b) At a minimum, the study must:

1.15 (1) use resources at the Minnesota Supercomputing Institute to analyze high-performing
1.16 climate models under varying greenhouse gas emissions scenarios and develop a series of
1.17 projections of temperature, precipitation, snow cover, and a variety of other climate
1.18 parameters through the year 2100;

1.19 (2) downscale the climate impact results under clause (1) to areas as small as three square
1.20 miles;

1.21 (3) develop a publicly accessible data portal website to:

2.1 (i) allow other universities, nonprofit organizations, businesses, and government agencies
2.2 to use the model projections; and

2.3 (ii) educate and train users to use the data most effectively; and

2.4 (4) incorporate information on how to use the model results in the University of
2.5 Minnesota Extension's climate education efforts, in partnership with the Minnesota Climate
2.6 Adaptation Partnership.

2.7 (c) In conjunction with the study, the university must conduct at least two "train the
2.8 trainer" workshops for state agencies, municipalities, and other stakeholders to educate
2.9 them as to how to use and interpret the model data as a basis for their own climate adaptation
2.10 and resilience efforts.

2.11 (d) Beginning July 1, 2022, and continuing each July 1 through 2024, the University of
2.12 Minnesota must provide a written report to the chairs and ranking minority members of the
2.13 senate and house of representatives committees with primary jurisdiction over agriculture,
2.14 energy, and environment. The report must document the progress made on the study and
2.15 study results, and must note any obstacles encountered that could prevent successful
2.16 completion of the study.

2.17 **EFFECTIVE DATE.** This section is effective the day following final enactment.