119TH CONGRESS
1ST SESSION

S. _____

To amend the Snow Water Supply Forecasting Program Authorization Act to reauthorize the Snow Water Supply Forecasting Program, and for other purposes.

IN THE SENATE OF THE UNITED STATES

Mr. HICKENLOOPER (for himself and Mr. CURTIS) introduced the following bill; which was read twice and referred to the Committee on _____

A BILL

To amend the Snow Water Supply Forecasting Program Authorization Act to reauthorize the Snow Water Supply Forecasting Program, and for other purposes.

Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled,

SECTION 1. SHORT TITLE.

This Act may be cited as the ''Snow Water Supply Forecasting Program Reauthorization Act of 2025''.

SEC. 2. SNOW WATER SUPPLY FORECASTING PROGRAM.

The Snow Water Supply Forecasting Program Authorization Act (43 U.S.C. 1477) is amended—

(1) in subsection (c)(2)—

(A) in subparagraph (A), by striking ''culminating in the report required under subsection (d)(3)'' and inserting ''with an emphasis on development and deployment of technologies that integrate snowpack measuring and modeling''; and

(B) in subparagraph (B), by striking ''after submitting the report required by subsection (d)(3),'';

(2) in subsection (d)—

(A) in paragraph (1)—

(i) in the paragraph heading, by inserting ''WITH INTEGRATED MODELING'' after ''DATA'';

(ii) in the matter preceding subparagraph (A), by striking ''emerging technologies for snowpack measurement, such as'' and inserting ''technologies for snowpack measurements and models, including'';

(iii) in subparagraph (B), by striking ''and'' at the end; and

(iv) by striking subparagraph (C) and inserting the following:

''(C) imaging spectroscopy;

''(D) machine learning;

''(E) integrated snowpack and hydrologic modeling; and

''(F) other technologies that the Secretary determines are likely to provide more accurate or timely snowpack measurement data to inform water management and reservoir operations.'';

(B) in paragraph (2), by striking ''emerging technologies for snowpack measurement'' and inserting ''technologies for snowpack measurement, including the Department of Agriculture and the National Oceanic and Atmospheric Administration''; and

(C) by striking paragraph (3);

(3) in subsection (e)—

(A) in paragraph (1)—

(i) by striking ''After submitting the report required under subsection (d)(3), the'' and inserting ''The''; and

(ii) by inserting ''and water supply forecasts'' after ''snowpack measurement''; and

(B) by striking paragraph (2) and inserting the following:

''(2) FOCUS.—The program shall focus on activities that will maintain, establish, expand, or advance snowpack measurement and integrated modeling, with an emphasis on—

''(A) enhancing activities to achieve improved snow and water supply forecasting results that are more responsive to changing weather and watershed conditions;

''(B) activities in river basins where activities described in this section relating to snowpack measurement and water supply forecasting can inform water management decisions or models at a multi-water user, multi-basin, or multi-State scale, including interstate water management decisions; and

''(C) building the capacity of program partners to implement and adapt to the new measurement and forecasting capabilities enabled under the program.'';

(4) in subsection (f)—

(A) in the matter preceding paragraph (1), by striking ''this Act'' and inserting ''the Snow Water Supply Forecasting Program Reauthorization Act of 2025'';

(B) in paragraph (2), by striking ''or sub-basin'';

(C) by redesignating paragraph (2) as paragraph (3); and

(D) by striking paragraph (1) and inserting the following:

''(1) a list of basins for which snowpack measurement and integrated modeling technologies are being used under the program, including a description of each application, outcome, and data resource used;

''(2) an assessment of which technologies best inform water supply forecasting for multiple water districts, communities, or States; and''; and

(5) in subsection (g), by striking ''$15,000,000, in the aggregate, for fiscal years 2022 through 2026'' and inserting ''$6,500,000 for each of fiscal years 2027 through 2031''.