

117TH CONGRESS
2D SESSION

S. 3533

To amend the John D. Dingell, Jr. Conservation, Management, and Recreation Act to improve the National Volcano Early Warning and Monitoring System, and for other purposes.

IN THE SENATE OF THE UNITED STATES

JANUARY 20, 2022

Mr. SCHATZ (for himself and Ms. MURKOWSKI) introduced the following bill; which was read twice and referred to the Committee on Commerce, Science, and Transportation

A BILL

To amend the John D. Dingell, Jr. Conservation, Management, and Recreation Act to improve the National Volcano Early Warning and Monitoring System, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Volcanic Ash and
5 Fumes Act of 2022”.

1 **SEC. 2. MODIFICATIONS TO NATIONAL VOLCANO EARLY**
 2 **WARNING AND MONITORING SYSTEM.**

3 (a) DEFINITIONS.—Subsection (a) of section 5001 of
 4 the John D. Dingell, Jr. Conservation, Management, and
 5 Recreation Act (43 U.S.C. 31k) is amended—

6 (1) by redesignating paragraph (2) as para-
 7 graph (3);

8 (2) by inserting after paragraph (1) the fol-
 9 lowing:

10 “(2) SECRETARY OF COMMERCE.—The term
 11 ‘Secretary of Commerce’ means the Secretary of
 12 Commerce, acting through the Under Secretary of
 13 Commerce for Oceans and Atmosphere.”; and

14 (3) by adding at the end the following:

15 “(4) VOLCANIC ASH ADVISORY CENTER.—The
 16 term ‘Volcanic Ash Advisory Center’ means an enti-
 17 ty designated by the International Civil Aviation Or-
 18 ganization that is responsible for informing aviation
 19 interests about the presence of volcanic ash in the
 20 airspace.”.

21 (b) PURPOSES.—Subsection (b)(1)(B) of such section
 22 is amended—

23 (1) in clause (i), by striking “and” at the end;

24 (2) in clause (ii), by striking the period at the
 25 end and inserting “; and”; and

26 (3) by adding at the end the following:

1 “(iii) to strengthen the warning and
 2 monitoring systems of volcano observ-
 3 atories in the United States by integrating
 4 relevant capacities of the National Oceanic
 5 and Atmospheric Administration, including
 6 with the Volcanic Ash Advisory Centers lo-
 7 cated in Anchorage, Alaska, and Wash-
 8 ington, DC, to observe and model emis-
 9 sions of gases, aerosols, and ash, atmos-
 10 pheric dynamics and chemistry, and ocean
 11 chemistry resulting from volcanic erup-
 12 tions.”.

13 (c) SYSTEM COMPONENTS.—Subsection (b)(2) of
 14 such section is amended—

15 (1) in subparagraph (B)—

16 (A) by striking “and” before “spectrom-
 17 etry”; and

18 (B) by inserting “, and unoccupied aerial
 19 vehicles” after “emissions”; and

20 (2) by adding at the end the following:

21 “(C) MEMORANDUM OF UNDER-
 22 STANDING.—The Secretary and the Secretary
 23 of Commerce shall develop and execute a memo-
 24 randum of understanding to establish coopera-
 25 tive support for the activities of the System

from the National Oceanic and Atmospheric Administration, including environmental observations, modeling, and temporary duty assignments of personnel to support emergency activities, as necessary or appropriate.”.

(d) MANAGEMENT.—Subsection (b)(3) of such section is amended—

(1) in subparagraph (A), by adding at the end the following:

“(iii) UPDATE.—

“(I) NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION COST ESTIMATES.—The Secretary of Commerce shall submit to the Secretary annual cost estimates for modernization activities and support of the System for the National Oceanic and Atmospheric Administration.

“(II) UPDATE OF MANAGEMENT PLAN.—The Secretary shall update the management plan submitted under clause (i) to include the cost estimates submitted under subclause (I).”; and

(2) by adding at the end the following:

1 “(E) COLLABORATION.—The Secretary of
 2 Commerce shall collaborate with the Secretary
 3 to implement activities carried out under this
 4 section related to the expertise of the National
 5 Oceanic and Atmospheric Administration, in-
 6 cluding observations and modeling of emissions
 7 of gases, aerosols, and ash, atmospheric dynam-
 8 ics and chemistry, and ocean chemistry result-
 9 ing from volcanic eruptions.”.

10 (e) FUNDING.—Subsection (c) of such section is
 11 amended—

12 (1) in paragraph (1)—

13 (A) in the paragraph heading, by inserting
 14 “, UNITED STATES GEOLOGICAL SURVEY” after
 15 “APPROPRIATIONS”; and

16 (B) by inserting “to the United States Ge-
 17 ological Survey” after “appropriated”;

18 (2) by redesignating paragraph (2) as para-
 19 graph (3);

20 (3) by inserting after paragraph (1) the fol-
 21 lowing:

22 “(2) AUTHORIZATION OF APPROPRIATIONS, NA-
 23 TIONAL OCEANIC AND ATMOSPHERIC ADMINISTRA-
 24 TION.—There is authorized to be appropriated to the
 25 National Oceanic and Atmospheric Administration

1 to carry out this section such sums as may be nec-
2 essary for the period of fiscal years 2022 through
3 2023.”; and

4 (4) in paragraph (3), as redesignated by para-
5 graph (2)—

6 (A) by striking “United States Geological
7 Survey”; and

8 (B) by inserting “of the United States Ge-
9 ological Survey and the National Oceanic and
10 Atmospheric Administration” after “programs”.

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