



AMENDMENT NO. \_\_\_\_\_ Calendar No. \_\_\_\_\_

Purpose: To require the Under Secretary of Commerce for Oceans and Atmosphere to identify a consistent, Federal set of best available forward-looking meteorological information and to require the Director of the National Institute of Standards and Technology to convene an effort to make such set available, with advice and technical assistance, to standards-developing organizations.

**IN THE SENATE OF THE UNITED STATES—116th Cong., 2d Sess.**

**S. 4462**

To establish a national integrated flood information system within the National Oceanic and Atmospheric Administration, and for other purposes.

Referred to the Committee on \_\_\_\_\_ and  
ordered to be printed

Ordered to lie on the table and to be printed

AMENDMENT intended to be proposed by Ms. BALDWIN

Viz:

- 1 At the end, add the following:
- 2 **SEC. 14. IDENTIFICATION AND DISSEMINATION OF CON-**
- 3 **SISTENT, FEDERAL SET OF BEST AVAILABLE**
- 4 **FORWARD-LOOKING METEOROLOGICAL IN-**
- 5 **FORMATION.**
- 6 (a) DEFINITIONS.—In this section:

1           (1) DIRECTOR.—The term “Director” means  
2           the Director of the National Institute of Standards  
3           and Technology.

4           (2) EXTREME WEATHER.—The term “extreme  
5           weather” includes observed or anticipated severe and  
6           unseasonable atmospheric conditions, including  
7           drought, heavy precipitation, hurricanes, tornadoes  
8           and other windstorms (including derechos), extreme  
9           heat, extreme cold, flooding, sustained temperatures  
10          or precipitation that deviate substantially from his-  
11          torical averages, and any other weather event that  
12          the Under Secretary determines qualifies as extreme  
13          weather.

14          (3) OTHER ENVIRONMENTAL TRENDS.—The  
15          term “other environmental trends” means wildfires,  
16          coastal flooding, inland flooding, land subsidence,  
17          rising sea levels, and any other challenges relating to  
18          changes in environmental systems over time that the  
19          Under Secretary determines qualify as environ-  
20          mental challenges other than extreme weather.

21          (4) MITIGATION FRAMEWORK LEADERSHIP  
22          GROUP.—The term “Mitigation Framework Leader-  
23          ship Group” means the Mitigation Framework Lead-  
24          ership Group established pursuant to the Post-  
25          Katrina Emergency Management Reform Act of

1 2006 (Public Law 109–295; 6 U.S.C. 701 note), or  
2 successor group.

3 (5) UNITED STATES GLOBAL CHANGE RE-  
4 SEARCH PROGRAM.—The term “United States Glob-  
5 al Change Research Program” means the United  
6 States Global Change Research Program established  
7 under section 103 of the Global Change Research  
8 Act of 1990 (15 U.S.C. 2933).

9 (6) LONG-TERM.—The term “long-term” shall  
10 have such meaning as the Director, in consultation  
11 with the Under Secretary, considers appropriate for  
12 purposes of this section.

13 (b) IDENTIFICATION OF CONSISTENT, FEDERAL SET  
14 OF BEST AVAILABLE METEOROLOGICAL INFORMATION.—

15 (1) IN GENERAL.—The Under Secretary shall  
16 identify and support research that enables, a con-  
17 sistent, Federal set of forward-looking long-term me-  
18 teorological information that—

19 (A) models future extreme weather events,  
20 other environmental trends, projections, and  
21 up-to-date observations; and

22 (B) is suitable for use under subsection  
23 (c).

24 (2) MESOSCALE METEOROLOGICAL INFORMA-  
25 TION.—When the Under Secretary determines ap-

1       appropriate or upon request of the Director, the Under  
2       Secretary shall provide the Director with mesoscale  
3       meteorological information that is suitable for use  
4       under subsection (c).

5       (c) ADVICE, TECHNICAL ASSISTANCE, AND DISSEMI-  
6       NATION.—

7               (1) IN GENERAL.—The Director shall, in con-  
8       sultation with the Under Secretary—

9                       (A) make available to the public informa-  
10          tion identified under subsection (b);

11                      (B) identify Federal and non-Federal ef-  
12          forts to develop and adopt standards, building  
13          codes, and voluntary certifications; and

14                      (C) using the best available, consistent,  
15          Federal set of forward-looking long-term mete-  
16          orological information identified under sub-  
17          section (b)—

18                               (i) advise and provide technical assist-  
19          ance to organizations that develop stand-  
20          ards, model building codes, or voluntary  
21          certifications in order for such organiza-  
22          tions to appropriately incorporate forward-  
23          looking long-term meteorological informa-  
24          tion into such standards, building codes,  
25          and voluntary certifications; and

1                   (ii) take appropriate steps to make in-  
2                   formation identified under subsection (b)  
3                   available to the entities described in clause  
4                   (i) developing such standards, model build-  
5                   ing codes, and voluntary certifications.

6                   (2) REQUIREMENT.—The Director shall carry  
7                   out paragraph (1) through each of the following:

8                   (A) The Fire Research Center, established  
9                   under section 16 of the Act entitled “An Act to  
10                  establish the National Bureau of Standards”,  
11                  approved March 3, 1901 (15 U.S.C. 278f).

12                  (B) The National Windstorm Impact Re-  
13                  duction Program, established under section 204  
14                  of the National Windstorm Impact Reduction  
15                  Act of 2004 (42 U.S.C. 15703).

16                  (C) Such other statutory authorities as the  
17                  Director considers appropriate.

18                  (d) WORKING GROUP.—In order to identify and sup-  
19                  port research that enable information as required under  
20                  subsection (b), the Director of the Office of Science and  
21                  Technology Policy, in coordination with the United States  
22                  Global Change Research Program and the Mitigation  
23                  Framework Leadership Group, shall designate a working  
24                  group consisting of representatives from such Federal

1 agencies as the Director of the Office of Science and Tech-  
2 nology Policy considers appropriate.