



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

Purpose: To make several changes to the bill.

**IN THE SENATE OF THE UNITED STATES—114th Cong., 1st Sess.**

**H. R. 34**

To authorize and strengthen the tsunami detection, forecast, warning, research, and mitigation program of 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

AMENDMENTS intended to be proposed by Mr. SCHATZ

Viz:

1 On page 4, strike lines 17 through 19 and insert the  
2 following:

3 (5) by amending paragraph (5), as redesignated  
4 by paragraph (3), to read as follows:

5 “(5) provide tsunami forecasting capability  
6 based on models and measurements, including tsu-  
7 nami inundation models and maps for use in in-  
8 creasing the preparedness of communities and safe-  
9 guarding port and harbor operations, that incor-  
10 porate inputs, including—

1           “(A) the United States and global ocean  
2           and coastal observing system;

3           “(B) the global Earth observing system;

4           “(C) the global seismic network;

5           “(D) the Advanced National Seismic sys-  
6           tem;

7           “(E) tsunami model validation using his-  
8           torical and paleotsunami data;

9           “(F) digital elevation models and bathym-  
10          etry; and

11          “(G) newly developing tsunami detection  
12          methodologies using satellites and airborne re-  
13          mote sensing;”;

14          On page 18, line 5, insert “, including paleotsunami  
15          data” after “region”.

16          On page 18, between lines 22 and 23, insert the fol-  
17          lowing:

18                 “(G) Evaluation of the effect of tsunami  
19                 currents on the foundations of closely-spaced,  
20                 coastal high-rise structures.”

21                 <sup>21</sup> On page ~~20~~, line ~~28~~, insert “, including the integra-  
22                 tion of tsunami sensors into Federal and commercial sub-

1 marine telecommunication cables if practicable” after  
2 “~~areas~~<sup>systems</sup>”.

3 On page 21, between lines 16 and 17, insert the fol-  
4 lowing:

5 “(7) Formation of regional coastal risk manage-  
6 ment coalitions of Federal, State, local and tribal  
7 governments, community groups, academic institu-  
8 tions, and non-governmental groups to advance the  
9 goals of this section for communities facing common  
10 coastal hazards and risks. Such coalitions may enter  
11 into an agreement with an organization described in  
12 section 501(c)(3) of the Internal Revenue Code of  
13 1986 to establish a nonprofit foundation in order to  
14 accept gifts and donations to support of the goals of  
15 this section.”

16 On page 25, line 21, strike “array” and insert  
17 “array, integration of tsunami sensors into commercial  
18 and Federal telecommunications cables,”.