

Bill Nelson

AMENDMENT NO. _____ Calendar No. _____

Purpose: To make several amendments to the bill.

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

S. 1331

To help enhance commence through improved seasonal forecasts, 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 _____

Viz:

1 On page 2, line 20, insert “coastal inundation, winter
2 storms, high impact weather,” before “or other”.

3 Beginning on page 11, strike lines 1 through 13 and
4 insert the following:

5 (i) IN GENERAL.—Except as provided
6 in clause (ii) and notwithstanding any
7 other provision of law, the Administrator
8 of the National Oceanic and Atmospheric
9 Administration and the Administrator of
10 the National Aeronautics and Space Ad-
11 ministration may—

1 (I) acquire all the polar weather
2 satellites for use by the National Oce-
3 anic and Atmospheric Administration
4 in a program phase via a single pro-
5 curement action; and

6 (II) acquire all the geostationary
7 weather satellites for use by the Na-
8 tional Oceanic and Atmospheric Ad-
9 ministration in a program phase via a
10 single procurement action.

11 Beginning on page 14, strike lines 4 through 17.

12 At the appropriate place, insert the following:

13 **SEC. ____ . NATIONAL WEATHER SERVICE; OPERATIONS**
14 **AND WORKFORCE ANALYSIS.**

15 The Administrator shall contract or continue to part-
16 ner with an external organization to conduct a baseline
17 analysis of the National Weather Service operations and
18 workforce.

19 **SEC. ____ . WATER RESOURCES.**

20 (a) NATIONAL WATER CENTER.—

21 (1) ESTABLISHMENT.—The Administrator of
22 the National Oceanic and Atmospheric Administra-
23 tion shall maintain a National Water Center.

1 (2) FUNCTIONS.—The National Water Center
2 may—

3 (A) facilitate collaboration across Federal
4 and State departments and agencies, academia,
5 and the private sector to improve understanding
6 of water resources;

7 (B) make recommendations to water re-
8 source managers;

9 (C) make recommendations to improve
10 water resource forecasts; and

11 (D) facilitate the transition of water re-
12 search into applications.

13 (b) TOTAL WATER PREDICTION.—The Under Sec-
14 retary of Commerce for Oceans and Atmosphere, through
15 the National Water Center, shall—

16 (1) initiate research and development activities
17 to develop operational water resource prediction
18 products;

19 (2) collaborate with, and provide decision-sup-
20 port regarding total water prediction to, other rel-
21 evant Federal and State agencies, including—

22 (A) Army Corps of Engineers;

23 (B) United States Geological Survey;

24 (C) Federal Emergency Management Asso-
25 ciation;

- 1 (D) National Science Foundation;
2 (E) Environmental Protection Agency;
3 (F) State water resource agencies; and
4 (G) State emergency management agen-
5 cies; and

6 (3) in carrying out the responsibilities described
7 in paragraphs (1) and (2), develop capabilities nec-
8 essary for total water predictive capacity, including
9 observations, modeling, data management, super-
10 computing, social science, and communications.

11 (c) REPORT.—

12 (1) IN GENERAL.—Not later than 3 years after
13 the date of enactment of this Act, the National
14 Water Center shall submit to the Assistant Sec-
15 retary of the Army for Civil Works a report on total
16 water predictive capabilities and products.

17 (2) CONTENTS.—The report may include rec-
18 ommendations to improve engineering, design, oper-
19 ations, and management of civil works projects, in-
20 cluding the Central and Southern Florida Project
21 and any project in the Apalachicola-Chattahoochee-
22 Flint River System, to optimize water management,
23 including the implications of total water predictive
24 products for—

- 1 (A) environmental protection and restora-
- 2 tion, including restoration of water quality,
- 3 water flows, fish and other aquatic species;
- 4 (B) reduced flood risk; and
- 5 (C) improved recreation.