

AMENDMENT TO H.R. 6093
OFFERED BY MR. FROST OF FLORIDA and Mr.
Webster of Florida

Page 82, line 2, strike “section” and insert “sections”.

Page 83, beginning line 7, insert the following:

1 “(4) PILOT STUDY FOR HURRICANE HAZARD
2 COMMUNICATION.—

3 “(A) IN GENERAL.—To further research
4 into communications regarding hazardous
5 weather or water events, the Under Secretary,
6 in coordination with the hurricane forecast im-
7 provement program under section 104, shall
8 seek to enter into an agreement with an appro-
9 priate entity, as determined by the Under Sec-
10 retary, to conduct a pilot study using a mixed
11 methods approach, such as surveys, focus
12 groups, and interviews, to gather information
13 from hurricane prone population areas regard-
14 ing the levels of preparedness of such areas for

15 hurricanes or in response to the National Oce-
16 anic and Atmospheric Administration’s early
1 forecasts and warnings. Such study shall evalu-
2 ate the following:

3 “(i) Possession of disaster supplies.

4 “(ii) Evacuation decisions.

5 “(iii) Levels of trust of tropical cy-
6 clone information and hurricane path pre-
7 diction from various sources.

8 “(iv) Access to tropical cyclone and
9 hurricane warnings in such study partici-
10 pant’s first language.

11 “(v) Determination regarding such
12 study participant’s reasoning that may
13 hinder the ability of such a participant to
14 evacuate or willingness to evacuate.

15 “(B) ADDITIONAL CRITERIA.—The pilot
16 study described in subparagraph (A) shall de-
17 fine its methodology and be made publicly avail-
18 able on a website of the National Oceanic and
19 Atmospheric Administration.”.

Page 83, line 19, strike the closing quotes and sec-
ond period.

Page 83, beginning line 20, insert the following:

20 “(e) HURRICANE SOCIAL, BEHAVIORAL, AND ECO-
21 NOMIC SCIENCES.—As part of the program carried out
1 under subsection (d), the Under Secretary shall carry out
2 research and development activities to improve how the
3 public receives, interprets, responds to, and values hurri-
4 cane forecasts and warnings. In conducting such activities,
5 the Under Secretary shall—

6 “(1) conduct a comprehensive review of what is
7 known about how the public receives, interprets, re-
8 sponds to, and makes decisions regarding hurricane
9 forecasts and warnings, including—

10 “(A) how the connections between weather
11 observations, downstream models, and processes
12 affect the decision tools or products derived
13 from such hurricane forecasts and warnings;

14 “(B) how such hurricane forecasts and
15 warnings generated by decision tools and prod-
16 ucts are used by emergency managers, govern-
17 ments, and other users to benefit the public and
18 stakeholder groups;

19 “(C) how past experiences with hurricanes
20 impacts decision making;

21 “(D) how the source of such hurricane
22 forecasts and warnings affects interpretation;

23 “(E) how tropical cyclone warnings and

24 watches are received and interpreted;

1 “(F) how understanding of and response
2 to such hurricane forecasts and warnings vary
3 across demographic groups, including the elder-
4 ly, people with disabilities, and other vulnerable
5 populations;

6 “(G) language barriers; and

7 “(H) how understanding and response to
8 such hurricane forecasts and warnings varies
9 across geographic areas, including rural, urban,
10 and suburban areas;

11 “(2) identify communication data gaps based on
12 the review conducted pursuant to paragraph (1);

13 “(3) carry out research, including data collec-
14 tion and baseline assessments, in coordination with
15 the hurricane forecast improvement program under
16 section 104 to evaluate and quantify the economic
17 value of extending lead times of tropical cyclone and
18 hurricane warnings and watches, including identi-
19 fying the most effected or vulnerable populations
20 and potential impacts to those populations;

21 “(4) as part of post-storm surveys and assess-
22 ments conducted under section 406 of the Weather
23 Act Reauthorization Act of 2023, conduct retrospec-

24 tive or ex ante assessments of previous hurricane
25 forecasts and warnings with improvements to better
1 understand the key components, including expected
2 actions or behavior changes, of the value of the fore-
3 casts and warnings provided;

4 “(5) conduct cost benefit analysis of forecasts
5 and warnings improvement alternatives developed
6 through the hurricane forecast improvement pro-
7 gram under section 104; and

8 “(6) conduct risk assessments for pre-, during,
9 and post-storm periods in regions and communities
10 with significant elderly populations, including retire-
11 ment communities.”.

Page 93, beginning line 6, insert the following:

12 (e) POLICIES AND PROCEDURES.—The Under Sec-
13 retary shall establish policies and procedures for the collec-
14 tion, archiving, and stewardship of data on community re-
15 sponse, including the response of effected or vulnerable
16 populations, to hazardous weather or water events.

