

**AMENDMENT TO THE AMENDMENT IN THE  
NATURE OF A SUBSTITUTE TO H.R. 5781  
OFFERED BY MR. GARCIA OF CALIFORNIA**

Page 14, strike line 20 and all that follows through  
page 16, line 11 and insert the following:

1           (4) WILDFIRE FORECASTING AND DETEC-  
2           TION.—

3           (A) ESTABLISHMENT.—The Administrator  
4           of the National Oceanic and Atmospheric Ad-  
5           ministration, in collaboration with the United  
6           States weather industry and such academic en-  
7           tities as the Administrator considers appro-  
8           priate, shall establish and maintain a program  
9           within such Administration to improve wildfire  
10          forecasting and detection.

11          (B) GOALS.—The goals of the program  
12          maintained under this paragraph shall be to de-  
13          velop and extend accurate wildfire forecasts and  
14          warnings in order to reduce loss of life, injury,  
15          property, and damage to the economy, with a  
16          focus on—

17                   (i) improving the prediction of inten-  
18                   sification and spread of wildfires;

1 (ii) improving the forecast and com-  
2 munication of smoke dispersion from  
3 wildfires;

4 (iii) improving information dissemina-  
5 tion and risk communication to create  
6 more effective watch and warning prod-  
7 ucts; and

8 (iv) improving the early detection of  
9 wildfires to contain their growth and miti-  
10 gate damages.

11 (C) ELEMENTS.—In order to meet the  
12 goals outlined in subparagraph (B), the Admin-  
13 istrator is authorized to conduct development,  
14 testing, and deployment activities related to—

15 (i) advanced satellite detection prod-  
16 ucts;

17 (ii) grid-based assessments and out-  
18 looks of fuel moisture and danger levels;

19 (iii) coupled atmosphere and fire mod-  
20 eling systems;

21 (iv) systems to link climate pre-  
22 dictions to achievable land management de-  
23 cisions; and

24 (v) improved spatial and temporal res-  
25 olution observations in high latitudes.

1 (5) CONSTRUCTION AUTHORIZATION.—

2 (A) ESTABLISHMENT.—Not later than 180  
3 days after the date of enactment of this Act,  
4 the Assistant Administrator for the Office of  
5 Oceanic and Atmospheric Research shall estab-  
6 lish a program to create one or more weather  
7 research testbeds, in partnership with industry  
8 and academic partners, to develop improved de-  
9 tection of and forecast capabilities for wildfire  
10 events and their impacts.

11 (B) RESOURCES.—In carrying out the pro-  
12 gram under this paragraph, the Assistant Ad-  
13 ministrator may not take resources for such  
14 testbeds from the National Oceanic and Atmos-  
15 pheric Administration cooperative institutes in  
16 existence as of the date of enactment of this  
17 Act.

18 (C) AUTHORIZATION OF APPROPRIA-  
19 TIONS.—There is authorized to be appropriated  
20 \$15,000,000 for fiscal year 2022 to carry out  
21 the program under this paragraph.

