

**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.

