

AMENDMENT TO H.R. 5089
OFFERED BY MR. BABIN OF TEXAS

Add at the end the following:

1 TITLE VI—PROJECT TO IM-
2 PROVE FORECASTS OF
3 COASTAL MARINE FOG

4 SEC. 601. PROJECT TO IMPROVE FORECASTS OF COASTAL
5 MARINE FOG.

6 (a) IN GENERAL.—The Under Secretary of Com-
7 merce for Oceans and Atmosphere shall conduct a project
8 to improve forecasts of coastal marine fog.

9 (b) GOAL.—The goal of the project required under
10 subsection (a) is to enhance vessel safety and reduce the
11 economic impact of coastal marine fog events, with a focus
12 on the following:

13 (1) Increasing the number of marine-based ob-
14 servations through additional Federal platforms and
15 commercially acquired observations in locations
16 where impacts from marine fog and reduced visi-
17 bility have major safety and economic impacts, in-
18 cluding through the use of the following:

19 (A) Buoys.

1 (B) Meteorological stations measuring visi-
2 bility, temperature, dewpoint, and wind speed
3 and direction as a stand-alone or co-located
4 with water level sensors, such as those that are
5 part of the physical oceanographic observation
6 system program of the National Oceanic and
7 Atmospheric Administration.

8 (C) Stationary platforms or drifting instru-
9 ments.

10 (D) Vessels.

11 (E) Unmanned systems.

12 (F) Remote sensing technologies, including
13 rapid refresh hyperspectral satellite imagery.

14 (G) Advanced algorithms that extract ac-
15 tionable information from observational data,
16 including early detection and regular moni-
17 toring of marine fog.

18 (2) Advancing geographic coverage, resolution,
19 skill, and accuracy of marine fog modeling, includ-
20 ing, when feasible, additional locations and advance-
21 ments in marine channel forecast capability.

22 (3) Improving communication of marine fog
23 advisories by the National Oceanic and Atmospheric
24 Administration.

1 (4) Communicating risks posed by hazardous
2 marine fog events in a way that maximizes informed
3 decision making by the public.

4 (5) Providing decision support services based on
5 environmental information that is actionable to the
6 recipient of a marine fog advisory.

7 (c) **STAKEHOLDER ENGAGEMENT.**—In implementing
8 the project required under subsection (a), the Under Sec-
9 retary of Commerce for Oceans and Atmosphere shall
10 meet with public and private stakeholders regarding the
11 planning, development, and implementation of the project.

12 (d) **TRIBAL ENGAGEMENT.**—The Under Secretary of
13 Commerce for Oceans and Atmosphere shall meet with In-
14 dian tribes (as defined in section 4 of the Indian Self-De-
15 termination and Education Assistance Act (25 U.S.C.
16 5304)) regarding the planning, development, and imple-
17 mentation of the project required under subsection (a).

18 (e) **PROJECT PLAN.**—Not later than one year after
19 the date of the enactment of this Act, the Under Secretary
20 of Commerce for Oceans and Atmosphere shall develop a
21 plan for the project required under subsection (a) that de-
22 tails the specific research, development, and technology
23 transfer activities, as well as corresponding resources and

- 1 timelines, necessary to achieve the goal specified under
- 2 subsection (b).

