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(Original Signature of Member)

117TH CONGRESS
2D SESSION

H. R. _____

To amend the National Windstorm Impact Reduction Act of 2004 to reauthorize the National Windstorm Impact Reduction Program, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

Mr. FOSTER (for himself and Mr. FEENSTRA) introduced the following bill;
which was referred to the Committee on _____

A BILL

To amend the National Windstorm Impact Reduction Act of 2004 to reauthorize the National Windstorm Impact Reduction Program, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “National Windstorm
5 Impact Reduction Program Reauthorization Act of 2022”.

1 **SEC. 2. NATIONAL WINDSTORM IMPACT REDUCTION PRO-**
2 **GRAM.**

3 The National Windstorm Impact Reduction Act of
4 2004 is amended—

5 (1) in section 204 (42 U.S.C. 15703)—

6 (A) in subsection (a), by striking “the pur-
7 pose of which is to achieve” through “cost-ef-
8 fective mitigation measures to reduce those im-
9 pacts.” and inserting the following: “the pur-
10 pose of which is to—

11 “(1) achieve major measurable reductions in the
12 losses of life and property from windstorms through
13 a coordinated Federal effort, in cooperation with
14 other levels of government, academia, scientific orga-
15 nizations, and the private sector, aimed at improving
16 the understanding of windstorms and their impacts,
17 including wind-driven rain and storm surge impacts;

18 “(2) understand climate variability and climate
19 change impacts on windstorms and the changing na-
20 ture of windstorm risks and to provide the scientific
21 basis for model building codes to be informed by fu-
22 ture projections of storm frequency, intensity, and
23 other factors; and

24 “(3) develop and encourage the implementation
25 of cost-effective mitigation measures to reduce the
26 impacts described in paragraphs (1) and (2), which

1 can be applied to communities with different types
2 of housing and infrastructure in urban and rural
3 areas across the United States.”;

4 (B) in subsection (b)—

5 (i) in paragraph (1)—

6 (I) in subparagraph (A), by in-
7 serting “, including with respect to ex-
8 isting buildings and manufactured
9 housing” before the semicolon;

10 (II) by redesignating subpara-
11 graphs (B), (C), (D), and (E) as sub-
12 paragraphs (C), (F), (G), and (H), re-
13 spectively;

14 (III) by inserting after subpara-
15 graph (A) the following new subpara-
16 graph:

17 “(B) ensure the Program supports inter-
18 disciplinary research, including collaborations
19 that include social scientists and emergency
20 managers, and collaborations between atmos-
21 pheric scientists and engineers, that seek to in-
22 crease the relevance of atmospheric measure-
23 ments and models for buildings engineering ap-
24 plications;”; and

1 (IV) by inserting after subpara-
2 graph (C), as so redesignated, the fol-
3 lowing new subparagraphs:

4 “(D) support integration of emerging tools
5 and technologies in research and engineering
6 activities carried out by the Program, including
7 relating to machine learning, advanced manu-
8 facturing technologies, and new materials;

9 “(E) support property owner utilization of
10 products and construction methods which
11 strengthen residential and commercial prop-
12 erties from the impact of windstorms, wind-
13 driven rain, and storm surge impacts, including
14 building methodologies and certification stand-
15 ards;”;

16 (ii) in paragraph (2), by inserting “to
17 increase resilience to windstorms and re-
18 sulting wind-driven rain and storm surge
19 impacts” before the period;

20 (iii) in paragraph (3)—

21 (I) in the matter preceding sub-
22 paragraph (A), by striking “support
23 research in”;

24 (II) in subparagraph (A)—

1 (aa) by inserting “support
2 research in” before “engineering
3 and the atmospheric sciences”;
4 and

5 (bb) by striking “and” after
6 the semicolon;

7 (III) by amending subparagraph
8 (B) to read as follows:

9 “(B) support research in economic, behav-
10 ioral, and social factors influencing develop-
11 ment, implementation, and adoption of wind-
12 storm and resulting wind-driven rain and storm
13 surge impacts risk assessment, risk communica-
14 tion, and risk reduction measures by individ-
15 uals, property owners, communities, and policy-
16 makers; and”;

17 (IV) by adding at the end the fol-
18 lowing new subparagraph:

19 “(C) support an analysis of the scientific
20 need, opportunity, and challenges to supporting
21 the design, development, and construction of a
22 tornado research facility for the study of tor-
23 nado impacts on buildings at scale.”;

24 (iv) in paragraph (4), by striking “be-
25 havior of windstorms and their impact on”

1 and inserting “behavior of windstorms, and
2 resulting wind-driven rain and storm
3 surge, and their impacts on”; and

4 (v) in paragraph (5)—

5 (I) in subparagraph (A)(i), by in-
6 sserting “, maintenance, and updat-
7 ing” after “development”; and

8 (II) in subparagraph (B), by in-
9 sserting “and scientific organizations”
10 after “National Institutes of Stand-
11 ards and Technology”;

12 (C) in subsection (c)—

13 (i) in paragraph (2), by striking “and
14 infrastructure” and inserting “infrastruc-
15 ture, and community response”;

16 (ii) in paragraph (3)—

17 (I) in subparagraph (B), by
18 striking “and” after the semicolon;

19 (II) in subparagraph (C), by
20 striking the period and inserting “;
21 and”; and

22 (III) by adding at the end the
23 following new subparagraph:

1 “(D) research and development to enhance
2 understanding of factors that influence public
3 responses to windstorm risks.”; and

4 (iii) in paragraph (4)(C), by inserting
5 “academia, scientific organizations,” after
6 “construction industry,”; and

7 (D) in subsection (e)—

8 (i) in paragraph (2)(A)—

9 (I) in clause (iv), by striking
10 “and” after the semicolon; and

11 (II) by adding at the end the fol-
12 lowing new clause:

13 “(vi) the Department of Housing and
14 Urban Development; and”;

15 (ii) in paragraph (5)—

16 (I) in the matter preceding sub-
17 paragraph (A), by striking “not later
18 than 1 year after September 30,
19 2015,” and inserting “not later than
20 September 30, 2024,”;

21 (II) in subparagraph (A), by in-
22 serting “and resulting wind-driven
23 rain and storm surge impacts” before
24 the semicolon;

1 (III) in subparagraph (C), by in-
2 serting “, including efforts to cooper-
3 ate with other levels of government,
4 academia, scientific organizations, and
5 the private sector” before the semi-
6 colon;

7 (IV) in subparagraph (D), by
8 striking the semicolon;

9 (V) by redesignating subpara-
10 graph (E) as subparagraph (F); and

11 (VI) by inserting after subpara-
12 graph (D) the following new subpara-
13 graph:

14 “(E) an analysis of future research infra-
15 structure needs in support of the Program, and
16 a plan for meeting such needs; and”;

17 (iii) in paragraph (6)—

18 (I) in the matter preceding sub-
19 paragraph (A), by striking “Not later
20 than 18 months after September 30,
21 2015,” and inserting “Not later than
22 March 30, 2025,”;

23 (II) in subparagraph (B), by in-
24 serting “and” after the semicolon;

1 (III) in subparagraph (C), by
2 striking “; and” and inserting a pe-
3 riod; and

4 (IV) by striking subparagraph
5 (D); and

6 (2) in section 207 (42 U.S.C. 15706)—

7 (A) in subsection (a), by striking para-
8 graphs (1) through (3) and inserting the fol-
9 lowing new paragraphs:

10 “(1) \$6,246,000 for fiscal year 2023;

11 “(2) \$6,652,000 for fiscal year 2024;

12 “(3) \$7,085,000 for fiscal year 2025;

13 “(4) \$7,545,000 for fiscal year 2026; and

14 “(5) \$8,035,000 for fiscal year 2027.”;

15 (B) in subsection (b), by striking para-
16 graphs (1) through (3) and inserting the fol-
17 lowing new paragraphs:

18 “(1) \$46,745,000 for fiscal year 2023;

19 “(2) \$49,082,000 for fiscal year 2024;

20 “(3) \$51,536,000 for fiscal year 2025;

21 “(4) \$54,113,000 for fiscal year 2026; and

22 “(5) \$56,819,000 for fiscal year 2027.”;

23 (C) in subsection (c), by striking para-
24 graphs (1) through (3) and inserting the fol-
25 lowing new paragraphs:

1 “(1) \$6,390,000 for fiscal year 2023;
2 “(2) \$6,805,000 for fiscal year 2024;
3 “(3) \$7,248,000 for fiscal year 2025;
4 “(4) \$7,719,000 for fiscal year 2026; and
5 “(5) \$8,221,000 for fiscal year 2027.”; and

6 (D) in subsection (d), by striking para-
7 graphs (1) through (3) and inserting the fol-
8 lowing new paragraphs:

9 “(1) \$16,964,000 for fiscal year 2023;
10 “(2) \$17,812,000 for fiscal year 2024;
11 “(3) \$18,703,000 for fiscal year 2025;
12 “(4) \$19,638,000 for fiscal year 2026; and
13 “(5) \$20,620,000 for fiscal year 2027.”.