

117TH CONGRESS  
2D SESSION

# H. R. 9582

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

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## IN THE HOUSE OF REPRESENTATIVES

DECEMBER 15, 2022

Mr. FOSTER (for himself and Mr. FEENSTRA) introduced the following bill; which was referred to the Committee on Science, Space, and Technology, and in addition to the Committee on Transportation and Infrastructure, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned

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## 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 serting “, maintenance, and updat-  
7 ing” after “development”; and

8 (II) in subparagraph (B), by in-  
9 serting “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:

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

(iii) in paragraph (4)(C), by inserting “academia, scientific organizations,” after “construction industry,”; and  
(D) in subsection (e)—

(i) in paragraph (2)(A)—

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

(II) by adding at the end the following new clause:

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

(ii) in paragraph (5)—

(I) in the matter preceding subparagraph (A), by striking “not later than 1 year after September 30, 2015,” and inserting “not later than September 30, 2024,”;

(II) in subparagraph (A), by inserting “and resulting wind-driven rain and storm surge impacts” before 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.”.

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