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(Original Signature of Member)

119TH CONGRESS  
1ST SESSION

**H. R.** \_\_\_\_\_

To amend the Department of Energy Organization Act to reestablish an  
office relating to fusion.

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**IN THE HOUSE OF REPRESENTATIVES**

Mr. BEYER introduced the following bill; which was referred to the Committee  
on \_\_\_\_\_

\_\_\_\_\_  
**A BILL**

To amend the Department of Energy Organization Act to  
reestablish an office relating to fusion.

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 “Office of Fusion Act  
5       of 2025”.

1   **SEC. 2. REESTABLISHMENT OF DEPARTMENT OF ENERGY**  
2                   **OFFICE RELATING TO FUSION.**

3           (a) OFFICE OF FUSION.—Title II of the Department  
4 of Energy Organization Act is amended by inserting after  
5 section 215 (42 U.S.C. 7144b) the following:

6   **“SEC. 216. OFFICE OF FUSION.**

7           “(a) ESTABLISHMENT.—The Secretary shall estab-  
8 lish the Office of Fusion (referred to in this section as  
9 the ‘Office’) within the Department to advance near-term  
10 and long-term fusion energy science and technology to  
11 meet the energy, environmental, and economic needs of  
12 the United States.

13          “(b) PURPOSES.—The purposes of the Office shall  
14 be—

15               “(1) to enhance the economic and energy secu-  
16 rity of the United States;

17               “(2) to maintain United States leadership in fu-  
18 sion energy technologies;

19               “(3) to advance fusion energy, in partnership  
20 with the private sector, to accelerate research, devel-  
21 opment, demonstration, deployment, and market  
22 adoption of fusion technologies;

23               “(4) to manage public-private partnerships with  
24 the United States fusion industry to accelerate suc-  
25 cessful deployment of first commercial fusion power  
26 plants, with a goal to start construction of more

1       than 1 private-sector fusion power plant not later  
2       than December 31, 2028;

3               “(5) to ensure an adequate national fusion sup-  
4       ply chain infrastructure, including manufacturing  
5       capabilities;

6               “(6) to serve in a coordination role to align the  
7       capabilities of the Office of Science for basic re-  
8       search, the Advanced Research Projects Agency—  
9       Energy for early technology development, and the  
10      National Nuclear Security Administration for fusion-  
11      relevant technologies to serve a single goal of accel-  
12      erating commercial plant deployment while meeting  
13      high standards for safety;

14              “(7) to expand international fusion energy co-  
15      operation to support commercialization of fusion en-  
16      ergy;

17              “(8) to ensure the availability of a well-trained  
18      workforce to support the fusion industry;

19              “(9) to provide technical expertise to regulators  
20      of fusion machines at the Federal, State, and inter-  
21      national levels; and

22              “(10) to partner with other agencies to support  
23      programs and initiatives to facilitate international  
24      market opportunities for the United States commer-  
25      cial fusion industry.

1       “(c) DIRECTOR.—The head of the Office shall be a  
2 Director selected by the Secretary.

3       “(d) CONSOLIDATION OF FUSION OFFICES.—The  
4 Secretary shall—

5           “(1) transfer all programs previously stewarded  
6 by the Fusion Energy Sciences program of the Of-  
7 fice of Science as of November 19, 2025, to the Of-  
8 fice; and

9           “(2) develop a timeline for transferring the pro-  
10 grams identified under paragraph (1).

11       “(e) CONSULTATION.—In carrying out the duties of  
12 the Office, the Director shall consult with the private sec-  
13 tor, National Laboratories, institutions of higher edu-  
14 cation, and the public as to how to optimize the organiza-  
15 tion of the various programs within the Department.

16       “(f) FUSION DEMONSTRATION PROGRAM VISION.—

17           “(1) IN GENERAL.—Not later than one year  
18 after the date of enactment of the Office of Fusion  
19 Act of 2025, the Secretary and the Director shall  
20 submit to Congress a commercial deployment road-  
21 map that—

22           “(A) identifies key barriers; and

23           “(B) describes specific activities to over-  
24 come those barriers and meet key deployment  
25 milestones, including activities such as early-

1 stage technology development, regulatory  
2 streamlining, demonstration projects, and sup-  
3 ply chain manufacturing.

4 “(2) PERIODIC REPORT.—The Secretary and  
5 the Director shall submit to Congress an updated  
6 roadmap under paragraph (1)—

7 “(A) every 4 years; or

8 “(B) appended to another periodic energy  
9 report, as determined by the Secretary and the  
10 Director.

11 “(g) COORDINATION AND NONDUPLICATION.—

12 “(1) IN GENERAL.—To the maximum extent  
13 practicable, the Director shall ensure that the activi-  
14 ties of the Office are coordinated with, and do not  
15 duplicate the efforts of, other programs and labora-  
16 tories within the Department and other relevant re-  
17 search agencies.

18 “(2) TECHNOLOGY TRANSFER COORDINA-  
19 TION.—To the extent appropriate, the Director may  
20 coordinate with the Chief Commercialization Officer  
21 appointed under section 1001(a)(4) of the Energy  
22 Policy Act of 2005 (42 U.S.C. 16391(a)(4)).”.

23 (b) FUSION ENERGY UNDER ASSISTANT SEC-  
24 RETARY.—Section 203(a)(2) of the Department of Energy  
25 Organization Act (42 U.S.C. 7133(a)(2)) is amended—

1           (1) by redesignating subparagraphs (C), (D),  
2           and (E) as subparagraphs (D), (E), and (F), respec-  
3           tively; and

4           (2) by inserting after subparagraph (B) the fol-  
5           lowing:

6                     “(C) fusion energy resources;”.

7           (c) CLERICAL AMENDMENT.—The table of contents  
8           for the Department of Energy Organization Act (Public  
9           Law 95–91; 91 Stat. 565; 119 Stat. 764; 133 Stat. 2199)  
10          is amended by inserting after the item relating to section  
11          215 the following:

          “Sec. 216. Office of Fusion.”.