

AMENDMENT NO. \_\_\_\_\_ Calendar No. \_\_\_\_\_

Purpose: To impose limits and prohibitions on imports of low-enriched uranium, support research, development, demonstration, and deployment of advanced nuclear reactor supply chain infrastructure, and enhance programs to build workforce capacity to meet critical mission needs of the Department of Energy.

**IN THE SENATE OF THE UNITED STATES—118th Cong., 1st Sess.**

**S. 452**

To require the Secretary of Energy to establish a Nuclear Fuel Security Program, expand the American Assured Fuel Supply Program, and submit a report on a civil nuclear credit program, and for other purposes.

Referred to the Committee on \_\_\_\_\_ and  
ordered to be printed

Ordered to lie on the table and to be printed

AMENDMENT intended to be proposed by \_\_\_\_\_

Viz:

1 At the end, add the following:

2 **SEC. 4. AMENDMENTS TO THE USEC PRIVATIZATION ACT.**

3 (a) PROHIBITION ON IMPORTS.—Section 3112A of  
4 the USEC Privatization Act (42 U.S.C. 2297h–10a) is  
5 amended by adding at the end the following:

6 “(d) PROHIBITION ON IMPORTS OF LOW-ENRICHED  
7 URANIUM.—

1           “(1) PROHIBITION.—Beginning on the date  
2           that is 90 days after the date of the enactment of  
3           this subsection, and subject to paragraphs (2) and  
4           (3), the following may not be imported into the  
5           United States:

6                   “(A) Unirradiated low-enriched uranium  
7                   that is produced in the Russian Federation or  
8                   by a Russian entity.

9                   “(B) Unirradiated low-enriched uranium  
10                  that is determined to have been exchanged with,  
11                  swapped for, or otherwise obtained in lieu of  
12                  unirradiated low-enriched uranium described in  
13                  subparagraph (A) in a manner designed to cir-  
14                  cumvent the restrictions under this section.

15           “(2) WAIVER.—

16                   “(A) IN GENERAL.—Subject to subpara-  
17                   graphs (B) and (C), the Secretary of Energy, in  
18                   consultation with the Secretary of State and the  
19                   Secretary of Commerce, may waive the applica-  
20                   tion of paragraph (1) to authorize the importa-  
21                   tion of low-enriched uranium described in that  
22                   paragraph if the Secretary of Energy deter-  
23                   mines that—

24                           “(i) no alternative viable source of  
25                           low-enriched uranium is available to sus-

1           tain the continued operation of a nuclear  
2           reactor or a United States nuclear energy  
3           company; or

4                   “(ii) importation of low-enriched ura-  
5           nium described in paragraph (1) is in the  
6           national interest.

7                   “(B) LIMITATION ON AMOUNTS OF IM-  
8           PORTS OF LOW-ENRICHED URANIUM.—

9                           “(i) IN GENERAL.—The importation  
10           into the United States of low-enriched ura-  
11           nium described in paragraph (1), including  
12           low-enriched uranium obtained under con-  
13           tracts for separative work units, whether  
14           or not such low-enriched uranium is de-  
15           rived from highly enriched uranium of  
16           weapons origin, may not exceed—

17                                   “(I) in calendar year 2023,  
18                                   578,877 kilograms;

19                                   “(II) in calendar year 2024,  
20                                   476,536 kilograms;

21                                   “(III) in calendar year 2025,  
22                                   470,376 kilograms;

23                                   “(IV) in calendar year 2026,  
24                                   464,183 kilograms; and

1                   “(V) in calendar year 2027,  
2                   459,083 kilograms.

3                   “(ii) ADMINISTRATION.—The Sec-  
4                   retary of Commerce shall—

5                   “(I) administer the import limita-  
6                   tions described in clause (i) in accord-  
7                   ance with the provisions of the Sus-  
8                   pension Agreement, including the pro-  
9                   visions described in subsection  
10                  (c)(2)(B)(i);

11                  “(II) be responsible for enforcing  
12                  the import limitations described in  
13                  clause (i); and

14                  “(III) enforce the import limita-  
15                  tions described in clause (i) in a man-  
16                  ner that imposes a minimal burden on  
17                  the commercial nuclear industry.

18                  “(C) TERMINATION.—Any waiver issued  
19                  under subparagraph (A) shall terminate not  
20                  later than January 1, 2028.

21                  “(D) NOTIFICATION TO CONGRESS.—

22                  “(i) IN GENERAL.—Upon issuing a  
23                  waiver under subparagraph (A), the Sec-  
24                  retary of Energy shall submit to the com-  
25                  mittees specified in clause (ii) a notifica-

1                   tion that a waiver has been issued, which  
2                   shall include identification of the recipient  
3                   of the waiver.

4                   “(ii) COMMITTEES SPECIFIED.—The  
5                   committees specified in this clause are—

6                                 “(I) the Committee on Energy  
7                                 and Natural Resources and the Com-  
8                                 mittee on Finance of the Senate; and

9                                 “(II) the Committee on Energy  
10                                and Commerce and the Committee on  
11                                Ways and Means of the House of  
12                                Representatives.

13                   “(3) APPLICABILITY.—This subsection does not  
14                   apply to imports—

15                                 “(A) by or under contract to the Depart-  
16                                 ment of Energy for national security or non-  
17                                 proliferation purposes; or

18                                 “(B) of non-uranium isotopes.

19                   “(4) TERMINATION.—The provisions of this  
20                   subsection shall terminate on December 31, 2040.

21                   “(5) RUSSIAN ENTITY DEFINED.—In this sub-  
22                   section, the term ‘Russian entity’ means an entity  
23                   organized under the laws of or otherwise subject to  
24                   the jurisdiction of the Government of the Russian  
25                   Federation.”.

1 (b) CONFORMING AMENDMENTS.—

2 (1) IN GENERAL.—Section 3112A(c) of the  
3 USEC Privatization Act (42 U.S.C. 2297h–10a(c))  
4 is amended—

5 (A) in paragraph (2)—

6 (i) in subparagraph (A)—

7 (I) in clause (viii), by inserting  
8 “and” after the semicolon at the end;

9 (II) in clause (ix), by striking the  
10 semicolon and inserting a period; and

11 (III) by striking clauses (x)  
12 through (xxvii); and

13 (ii) in subparagraph (C)(i), by strik-  
14 ing “paragraph (10)” and inserting “para-  
15 graph (9)”;

16 (B) in paragraph (3), by striking “United  
17 States” and all that follows through “for proc-  
18 essing” and inserting “United States for proc-  
19 essing”;

20 (C) by striking paragraph (5);

21 (D) by redesignating paragraphs (6)  
22 through (12) as paragraphs (5) through (11),  
23 respectively;

24 (E) in paragraph (5), as redesignated by  
25 subparagraph (D), by striking “In addition to

1 the adjustment under paragraph (5)(A), the”  
2 and inserting “The”;

3 (F) in subparagraph (A) of paragraph (7),  
4 as so redesignated, by striking “paragraph  
5 (10)” and inserting “paragraph (9)”;

6 (G) in paragraph (8), as so redesignated,  
7 by striking “December 31, 2040” and inserting  
8 “the date described in subsection (d)(1)”;

9 (H) in subparagraph (A) of paragraph (9),  
10 as so redesignated, by striking “paragraphs  
11 (2)(C) and (8)” and inserting “paragraphs  
12 (2)(C) and (7)”.

13 (2) EFFECTIVE DATE.—The amendment to sec-  
14 tion 3112A(c)(2)(A)(x) of the USEC Privatization  
15 Act (42 U.S.C. 2297h–10a(c)(2)(A)(x)) made by  
16 paragraph (1)(A) of this subsection shall take effect  
17 on the date that is 90 days after the date of the en-  
18 actment of this Act.

19 **SEC. 5. SUPPLY CHAIN INFRASTRUCTURE AND WORK-**  
20 **FORCE CAPACITY BUILDING.**

21 (a) SUPPLY CHAIN INFRASTRUCTURE.—Section  
22 10781(b)(1) of Public Law 117–167 (commonly known as  
23 the “CHIPS and Science Act of 2022”) (42 U.S.C.  
24 19351(b)(1)) is amended by striking “and demonstration  
25 of advanced nuclear reactors” and inserting “demonstra-

1 tion, and deployment of advanced nuclear reactors and as-  
2 sociated supply chain infrastructure”.

3 (b) WORKFORCE CAPACITY BUILDING.—Section  
4 954(b) of the Energy Policy Act of 2005 (42 U.S.C.  
5 16274(b)) is amended—

6 (1) in the subsection heading, by striking  
7 “Graduate”;

8 (2) by striking “graduate” each place it ap-  
9 pears;

10 (3) in paragraph (2)(A), by inserting “commu-  
11 nity colleges, trade schools, registered apprenticeship  
12 programs, pre-apprenticeship programs,” after “uni-  
13 versities,”;

14 (4) in paragraph (3), by striking “2021  
15 through 2025” and inserting “2023 through 2027”;

16 (5) by redesignating paragraph (3) as para-  
17 graph (4); and

18 (6) by inserting after paragraph (2) the fol-  
19 lowing:

20 “(3) FOCUS AREAS.—In carrying out the sub-  
21 program under this subsection, the Secretary may  
22 implement traineeships in focus areas that, in the  
23 determination of the Secretary, are necessary to sup-  
24 port the nuclear energy sector in the United States,  
25 including—



- 1                   “(A) research and development;
- 2                   “(B) construction and operation;
- 3                   “(C) associated supply chains; and
- 4                   “(D) workforce training and retraining to
- 5                   support transitioning workforces.”.