

## Calendar No. 604

117TH CONGRESS  
2D SESSION

# S. 4064

To facilitate the development of a whole-of-government strategy for nuclear cooperation and nuclear exports.

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### IN THE SENATE OF THE UNITED STATES

APRIL 7, 2022

Mr. MANCHIN (for himself and Mr. RISCH) introduced the following bill; which was read twice and referred to the Committee on Foreign Relations

DECEMBER 7, 2022

Reported by Mr. MENENDEZ, with an amendment

[Strike out all after the enacting clause and insert the part printed in *italie*]

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## A BILL

To facilitate the development of a whole-of-government strategy for nuclear cooperation and nuclear exports.

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 “~~International Nuclear~~  
5 ~~Energy Act of 2022~~”.

6 **SEC. 2. DEFINITIONS.**

7 ~~In this Act:~~

1           (1) ~~ADVANCED NUCLEAR REACTOR.~~—The term  
2           “advanced nuclear reactor” has the meaning given  
3           the term in section 951(b) of the Energy Policy Act  
4           of 2005 (42 U.S.C. 16271(b)).

5           (2) ~~ALLY OR PARTNER NATION.~~—The term  
6           “ally or partner nation” means the Government of  
7           each of the following:

8                   (A) A country that is a member of the  
9                   North Atlantic Treaty Organization.

10                   (B) Japan.

11                   (C) The Republic of Korea.

12                   (D) Australia.

13                   (E) Switzerland.

14                   (F) Sweden.

15                   (G) Finland.

16                   (H) Any other country designated as an  
17                   ally or partner nation by the Secretary of State  
18                   for purposes of this Act.

19           (3) ~~ASSISTANT.~~—The term “Assistant” means  
20           the Assistant to the President and Director for Nu-  
21           clear Energy Policy described in section 3(a)(3)(A).

22           (4) ~~ASSOCIATED ENTITY.~~—The term “associ-  
23           ated entity” means an entity that—

24                   (A) is owned, controlled, or dominated  
25                   by—

1 (i) an ally or partner nation; or

2 (ii) an associated individual; or

3 (B) is organized under the laws of, or oth-  
 4 erwise subject to the jurisdiction of, a country  
 5 described in any of subparagraphs (A) through  
 6 (H) of paragraph (2); including a corporation  
 7 that is incorporated in a country described in  
 8 any of those subparagraphs.

9 (5) ASSOCIATED INDIVIDUAL.—The term “asso-  
 10 ciated individual” means an alien who is a national  
 11 of a country described in any of subparagraphs (A)  
 12 through (H) of paragraph (2).

13 (6) CENTER.—The term “Center” means the  
 14 Advanced Reactor Coordination and Resource Cen-  
 15 ter established under section 11.

16 (7) EMBARKING CIVIL NUCLEAR ENERGY NA-  
 17 TION.—The term “embarking civil nuclear energy  
 18 nation” means a country that—

19 (A) does not have a civil nuclear program;

20 (B) is in the process of developing or ex-  
 21 panding a civil nuclear program, including safe-  
 22 guards and a legal and regulatory framework,  
 23 for—

24 (i) nuclear safety;

25 (ii) nuclear security;

- 1 (iii) radioactive waste management;  
 2 (iv) civil nuclear energy;  
 3 (v) nuclear liability; or  
 4 (vi) advanced nuclear reactor licens-  
 5 ing; or

6 (C) is in the process of selecting, devel-  
 7 oping, constructing, or utilizing advanced light  
 8 water reactors, advanced nuclear reactors, or  
 9 advanced nuclear technologies.

10 (8) HIGH-ASSAY LOW-ENRICHED URANIUM.—

11 The term “high-assay low-enriched uranium” has  
 12 the meaning given the term in section 2001(d) of  
 13 the Energy Act of 2020 (42 U.S.C. 16281(d)).

14 (9) LOW-ENRICHED URANIUM.—The term “low-  
 15 enriched uranium” means each of—

16 (A) low-enriched uranium (as defined in  
 17 section 3102 of the USEC Privatization Act  
 18 (42 U.S.C. 2297h)); and

19 (B) low-enriched uranium (as defined in  
 20 section 3112A(a) of that Act (42 U.S.C.  
 21 2297h–10a(a))).

22 (10) NATIONAL STRATEGIC URANIUM RE-  
 23 SERVE.—The term “National Strategic Uranium Re-  
 24 serve” means the National Strategic Uranium Re-  
 25 serve established under section 16(c)(1)(A).

1           (11) NUCLEAR SAFETY.—The term “nuclear  
2 safety” means issues relating to—

3           (A) the safe operation of nuclear reactors  
4 and other nuclear facilities;

5           (B) radiological protection of—

6           (i) members of the public;

7           (ii) workers; and

8           (iii) the environment;

9           (C) nuclear waste management;

10          (D) emergency preparedness;

11          (E) nuclear liability; and

12          (F) the safe transportation of nuclear ma-  
13 terials.

14          (12) SECRETARY.—The term “Secretary”  
15 means the Secretary of Energy.

16          (13) SPENT NUCLEAR FUEL.—The term “spent  
17 nuclear fuel” has the meaning given the term in sec-  
18 tion 2 of the Nuclear Waste Policy Act of 1982 (42  
19 U.S.C. 10101).

20          (14) TEAM USA.—The term “Team USA”  
21 means the interagency initiative to identify opportu-  
22 nities in emerging economies, embarking civil nu-  
23 clear energy nations, and ally or partner nations for  
24 topics such as—

25          (A) nuclear plant construction;

- 1                    (B) nuclear fuel services;
- 2                    (C) nuclear energy financing;
- 3                    (D) nuclear plant operations;
- 4                    (E) nuclear plant regulation;
- 5                    (F) nuclear medicine;
- 6                    (G) infrastructure support for nuclear en-
- 7                    ergy;
- 8                    (H) nuclear plant decommissioning;
- 9                    (I) nuclear liability;
- 10                   (J) storage and disposal of spent nuclear
- 11                   fuel; and
- 12                   (K) technology related to the matters de-
- 13                   scribed in subparagraphs (A) through (J).

14                   (15) U.S. NUCLEAR ENERGY COMPANY.—The

15                   term “U.S. nuclear energy company” means a com-

16                   pany that—

- 17                   (A) is organized under the laws of, or oth-
- 18                   erwise subject to the jurisdiction of, the United
- 19                   States; and
- 20                   (B) is involved in the nuclear energy indus-
- 21                   try.

22 **SEC. 3. CIVIL NUCLEAR COORDINATION AND STRATEGY.**

23                   (a) OFFICE OF THE ASSISTANT TO THE PRESIDENT

24                   AND DIRECTOR FOR NUCLEAR ENERGY POLICY.—

1           (1) ESTABLISHMENT.—There is established in  
 2 the Executive Office of the President an office, to be  
 3 known as the “Office of the Assistant to the Presi-  
 4 dent and Director for Nuclear Energy Policy” (re-  
 5 ferred to in this subsection as the “Office”).

6           (2) MISSION.—The Office shall act as the sin-  
 7 gle coordinating office for—

8                   (A) civil nuclear cooperation; and

9                   (B) civil nuclear export strategy.

10          (3) LEADERSHIP.—

11                   (A) ASSISTANT.—

12                   (i) IN GENERAL.—The Office shall be  
 13 headed by the Assistant to the President  
 14 and Director for Nuclear Energy Policy,  
 15 who shall be appointed by the President.

16                   (ii) REPORTING.—The Assistant shall  
 17 report directly to the President.

18                   (B) DEPUTY ASSISTANT.—

19                   (i) IN GENERAL.—The Assistant shall  
 20 appoint a Deputy Assistant with experi-  
 21 ence in advising on civil nuclear project de-  
 22 velopment and financing.

23                   (ii) REPORTING.—The Deputy Assist-  
 24 ant shall report directly to the Assistant.

25          (4) DUTIES.—

1           (A) IN GENERAL.—The Assistant, in con-  
2           sultation with the Deputy Assistant, shall—

3                   (i) coordinate the civil nuclear export  
4                   policy of the United States;

5                   (ii) develop a cohesive Federal strat-  
6                   egy for engagement with foreign govern-  
7                   ments (including ally or partner nations  
8                   and the governments of embarking civil  
9                   nuclear energy nations); associated enti-  
10                  ties; associated individuals; and inter-  
11                  national lending institutions with respect  
12                  to civil nuclear exports;

13                  (iii) coordinate with the officials de-  
14                  scribed in subparagraph (B) to ensure that  
15                  necessary framework agreements and trade  
16                  controls relating to civil nuclear materials  
17                  and technologies are in place for key mar-  
18                  kets; and

19                  (iv) develop—

20                           (I) a whole-of-government coordi-  
21                           nating strategy for civil nuclear co-  
22                           operation;

23                           (II) a whole-of-government strat-  
24                           egy for civil nuclear exports; and

1                   (III) a whole-of-government ap-  
2                   proach to support foreign investment  
3                   in domestic construction projects.

4                   (B) OFFICIALS DESCRIBED.—The officials  
5                   referred to in subparagraph (A)(iii) are—

6                   (i) the appropriate officials of—

7                   (I) the Department of State;

8                   (II) the Department of Energy;

9                   (III) the Department of Com-  
10                  merce;

11                  (IV) the Nuclear Regulatory  
12                  Commission;

13                  (V) the Department of Defense;

14                  (VI) the National Security Coun-  
15                  cil;

16                  (VII) the National Economic  
17                  Council;

18                  (VIII) the Office of the United  
19                  States Trade Representative;

20                  (IX) the Office of Management  
21                  and Budget;

22                  (X) the Office of the Director of  
23                  National Intelligence;

24                  (XI) the Export-Import Bank of  
25                  the United States;

1                   (XII) the United States Inter-  
2                   national Development Finance Cor-  
3                   poration;

4                   (XIII) the United States Trade  
5                   and Development Agency; and

6                   (XIV) the Office of Science and  
7                   Technology Policy; and

8                   (ii) appropriate officials representing  
9                   foreign countries and governments, includ-  
10                  ing—

11                   (I) ally or partner nations;

12                   (II) embarking civil nuclear en-  
13                   ergy nations; and

14                   (III) any other country or gov-  
15                   ernment that the Assistant, in con-  
16                   sultation with the Deputy Assistant  
17                   and the officials described in clause  
18                   (i), determines to be appropriate.

19                  (5) STAFF.—

20                   (A) SENIOR ADVISORS.—

21                   (i) IN GENERAL.—The Assistant shall  
22                   select a staff of not fewer than 4, and not  
23                   more than 6, Senior Advisors to assist in  
24                   the mission of the Office.

1           (ii) REQUIREMENT.—The Senior Ad-  
2 visors selected under clause (i) shall be  
3 composed of individuals with diverse indus-  
4 try and government backgrounds, including  
5 individuals with backgrounds in—

6           (I) project financing;

7           (II) construction development  
8 and management;

9           (III) contract structuring, risk  
10 allocation, and nuclear liability;

11           (IV) regulatory, licensing, and  
12 safeguards processes;

13           (V) civil nuclear electric and non-  
14 electric applications of nuclear tech-  
15 nologies;

16           (VI) government-to-government  
17 negotiations;

18           (VII) social acceptance and envi-  
19 ronmental justice;

20           (VIII) human infrastructure de-  
21 velopment;

22           (IX) major project development;

23           (X) international infrastructure  
24 financing; and

1                   (XI) nuclear safety and security  
2                   requirements.

3                   (B) OTHER STAFF.—The Assistant may  
4                   hire such other additional personnel as may be  
5                   necessary to carry out the mission of the Office.

6                   (6) AUTHORIZATION OF APPROPRIATIONS.—  
7                   There is authorized to be appropriated to carry out  
8                   this subsection \$2,000,000 for each of fiscal years  
9                   2023 through 2027.

10                  (b) NUCLEAR EXPORTS WORKING GROUP.—

11                   (1) ESTABLISHMENT.—There is established a  
12                   working group, to be known as the “Nuclear Ex-  
13                   ports Working Group” (referred to in this subsection  
14                   as the “working group”).

15                   (2) COMPOSITION.—The working group shall be  
16                   composed of—

17                   (A) senior-level Federal officials, selected  
18                   internally by the applicable Federal agency or  
19                   organization, from—

- 20                   (i) the Department of State;  
21                   (ii) the Department of Commerce;  
22                   (iii) the Department of Energy;  
23                   (iv) the Department of the Treasury;  
24                   (v) the Export-Import Bank of the  
25                   United States;

1                   (vi) the United States International  
2                   Development Finance Corporation;

3                   (vii) the Nuclear Regulatory Commis-  
4                   sion;

5                   (viii) the Office of the United States  
6                   Trade Representative; and

7                   (ix) the United States Trade and De-  
8                   velopment Agency;

9                   (B) other senior-level Federal officials, se-  
10                  lected internally by the applicable Federal agen-  
11                  cy or organization, from any other Federal  
12                  agency or organization that the Secretary deter-  
13                  mines to be appropriate; and

14                  (C) any senior-level Federal official se-  
15                  lected by the Assistant from any Federal agen-  
16                  cy or organization.

17                  (3) REPORTING.—The working group shall re-  
18                  port to the Assistant.

19                  (4) DUTIES.—The working group shall—

20                         (A) provide direction and advice to the As-  
21                         sistant; and

22                         (B) submit to the Civil Nuclear Trade Ad-  
23                         visory Committee of the Department of Com-  
24                         merce and the Nuclear Energy Advisory Com-  
25                         mittee of the Department of Energy quarterly

1 reports on the standing of civil nuclear exports  
2 from the United States, including with respect  
3 to meeting the targets established as part of the  
4 5-year civil nuclear trade strategy described in  
5 paragraph (5)(A).

6 (5) STRATEGY.—

7 (A) IN GENERAL.—Not later than 1 year  
8 after the date of enactment of this Act, the  
9 working group shall establish a 10-year civil nu-  
10 clear trade strategy, including biennial targets  
11 for the export of civil nuclear technologies, in-  
12 cluding light water and non-light water reactors  
13 and associated equipment and technologies, civil  
14 nuclear materials, and nuclear fuel that align  
15 with meeting international energy demand while  
16 seeking to avoid or reduce emissions.

17 (B) COLLABORATION REQUIRED.—In es-  
18 tablishing the strategy under subparagraph (A),  
19 the working group shall collaborate with—

20 (i) the Secretary;

21 (ii) the Secretary of Commerce;

22 (iii) the Secretary of State;

23 (iv) the Secretary of the Treasury;

24 (v) the Nuclear Regulatory Commis-

25 sion;

- 1                   (vi) the President of the Export-Im-  
2                   port Bank of the United States;  
3                   (vii) the Chief Executive Officer of the  
4                   United States International Development  
5                   Finance Corporation;  
6                   (viii) the United States Trade Rep-  
7                   resentative; and  
8                   (ix) representatives of private indus-  
9                   try.

10 **SEC. 4. ENGAGEMENT WITH ALLY OR PARTNER NATIONS.**

11           (a) **IN GENERAL.**—The Secretary of State, in coordi-  
12 nation with the Secretary, the Nuclear Regulatory Com-  
13 mission, Team USA, and the Assistant, shall launch, in  
14 accordance with applicable nuclear technology export laws  
15 (including regulations), an international initiative to mod-  
16 ernize the civil nuclear outreach carried out by the United  
17 States for the purpose of establishing cooperative financ-  
18 ing relationships for the export of civil nuclear technology,  
19 components, materials, and infrastructure to countries in  
20 the coalition described in subsection (b).

21           (b) **COALITION DESCRIBED.**—The coalition referred  
22 to in subsection (a) is a coalition of countries that—  
23                   (1) is developed for purposes of carrying out  
24                   the initiative described in subsection (a); and

1           (2) includes each ally or partner nation that is  
2 willing to participate in the coalition.

3           (c) ACTIVITIES.—In carrying out the initiative de-  
4 scribed in subsection (a), the Secretary of State shall—

5           (1) assist nongovernmental organizations and  
6 appropriate offices, administrations, agencies, lab-  
7 oratories, and programs of the Department of En-  
8 ergy in providing education and training to foreign  
9 governments in nuclear safety, security, and safe-  
10 guards—

11           (A) through engagement with the Inter-  
12 national Atomic Energy Agency; or

13           (B) independently, if the applicable entity  
14 determines that it would be more advantageous  
15 under the circumstances to provide the applica-  
16 ble education and training independently;

17           (2) assist the efforts of the International Atom-  
18 ic Energy Agency to expand the support provided by  
19 the International Atomic Energy Agency to embark-  
20 ing civil nuclear energy nations for nuclear safety,  
21 security, and safeguards;

22           (3) expand outreach by the Assistant to the pri-  
23 vate investment community to create public-private  
24 financing relationships to assist in the export of civil

1 nuclear technology to countries in the coalition de-  
 2 scribed in subsection (b);

3 ~~(4) seek to coordinate, to the maximum extent~~  
 4 ~~practicable, the work carried out by each of—~~

5 ~~(A) the Nuclear Regulatory Commission;~~

6 ~~(B) the Department of Energy;~~

7 ~~(C) the Department of Commerce;~~

8 ~~(D) the International Atomic Energy~~  
 9 ~~Agency;~~

10 ~~(E) the Nuclear Energy Agency; and~~

11 ~~(F) the nuclear regulatory agencies and or-~~  
 12 ~~ganizations of embarking civil nuclear energy~~  
 13 ~~nations and ally or partner nations; and~~

14 ~~(5) improve the regulatory framework to allow~~  
 15 ~~for the expeditious exporting and importing of civil~~  
 16 ~~nuclear technologies and materials.~~

17 **SEC. 5. COOPERATIVE FINANCING RELATIONSHIPS WITH**  
 18 **ALLY OR PARTNER NATIONS AND EMBARK-**  
 19 **ING CIVIL NUCLEAR ENERGY NATIONS.**

20 ~~(a) IN GENERAL.—The Secretary, the Secretary of~~  
 21 ~~State, the Secretary of Commerce, the President of the~~  
 22 ~~Export-Import Bank of the United States, and the Chief~~  
 23 ~~Executive Officer of the United States International De-~~  
 24 ~~velopment Finance Corporation, in coordination with the~~  
 25 ~~Assistant, shall develop cooperative financing relationships~~

1 with ally or partner nations or embarking civil nuclear en-  
2 ergy nations to advance civil nuclear exports from the  
3 United States to ally or partner nations or embarking civil  
4 nuclear energy nations.

5 (b) UNITED STATES COMPETITIVENESS CLAUSES.—

6 (1) DEFINITION OF UNITED STATES COMPETI-  
7 TIVENESS CLAUSE.—In this subsection, the term  
8 “United States competitiveness clause” means any  
9 United States competitiveness provision in any  
10 agreement entered into by the Department of En-  
11 ergy, including—

12 (A) a cooperative agreement;

13 (B) a cooperative research and develop-  
14 ment agreement; and

15 (C) a patent waiver.

16 (2) CONSIDERATION.—In carrying out sub-  
17 section (a), the Secretary, the Secretary of State,  
18 the Secretary of Commerce, the President of the Ex-  
19 port-Import Bank of the United States, and the  
20 Chief Executive Officer of the United States Inter-  
21 national Development Finance Corporation shall  
22 consider the impact of United States competitiveness  
23 clauses on any cooperative financing relationships  
24 entered into or proposed to be entered into under  
25 that subsection.



1           (2) for widely deployed technologies available  
2           from multiple suppliers, such as light water reactor  
3           technology.

4 **SEC. 7. COOPERATION WITH ALLY OR PARTNER NATIONS**  
5                   **ON ADVANCED NUCLEAR REACTOR DEM-**  
6                   **ONSTRATION AND COOPERATIVE RESEARCH**  
7                   **FACILITIES.**

8           (a) **IN GENERAL.**—Not later than 2 years after the  
9           date of enactment of this Act, the Secretary of State, in  
10           coordination with the Secretary, the Secretary of Com-  
11           merce, and the Assistant, shall conduct bilateral and mul-  
12           tilateral meetings with not fewer than 5 ally or partner  
13           nations, with the aim of enhancing nuclear energy co-  
14           operation among those ally or partner nations and the  
15           United States, for the purpose of developing collaborative  
16           relationships with respect to research, development, licens-  
17           ing, and deployment of advanced nuclear reactor tech-  
18           nologies.

19           (b) **REQUIREMENT.**—The meetings described in sub-  
20           section (a) shall include—

21                   (1) a focus on cooperation to demonstrate and  
22                   deploy advanced nuclear reactors, with an emphasis  
23                   on U.S. nuclear energy companies, during the 10-  
24                   year period beginning on the date of enactment of

1 this Act to provide options for addressing climate  
2 change by 2050; and

3 ~~(2) a focus on developing a memorandum of un-~~  
4 ~~derstanding or any other appropriate agreement be-~~  
5 ~~tween the United States and ally or partner nations~~  
6 ~~with respect to—~~

7 (A) the demonstration and deployment of  
8 advanced nuclear reactors; and

9 (B) the development of cooperative re-  
10 search facilities.

11 ~~(c) FINANCING ARRANGEMENTS.—In conducting the~~  
12 ~~meetings described in subsection (a), the Secretary of~~  
13 ~~State, in coordination with the Secretary, the Secretary~~  
14 ~~of Commerce, and the Assistant, shall seek to develop fi-~~  
15 ~~nancing arrangements to share the costs of the demonstra-~~  
16 ~~tion and deployment of advanced nuclear reactors and the~~  
17 ~~development of cooperative research facilities with the ally~~  
18 ~~or partner nations participating in those meetings.~~

19 ~~(d) REPORT.—Not later than 1 year after the date~~  
20 ~~of enactment of this Act, the Secretary, the Secretary of~~  
21 ~~State, and the Secretary of Commerce shall jointly submit~~  
22 ~~to Congress a report highlighting potential partners—~~

23 ~~(1) for the establishment of cost-share arrange-~~  
24 ~~ments described in subsection (c); or~~

1           (2) with which the United States may enter  
2           into agreements with respect to—

3                   (A) the demonstration of advanced nuclear  
4           reactors; or

5                   (B) cooperative research facilities.

6 **SEC. 8. INTERNATIONAL NUCLEAR ENERGY COOPERATION.**

7           Section 959B of the Energy Policy Act of 2005 (42  
8 U.S.C. 16279b) is amended—

9                   (1) in the matter preceding paragraph (1), by  
10          striking “The Secretary” and inserting the fol-  
11          lowing:

12          “(a) **IN GENERAL.**—The Secretary”;

13                   (2) in subsection (a) (as so designated)—

14                           (A) in paragraph (1)—

15                                   (i) by striking “financing,”; and

16                                   (ii) by striking “and” after the semi-  
17          colon at the end;

18                           (B) in paragraph (2)—

19                                   (i) in subparagraph (A), by striking  
20          “preparations for”; and

21                                   (ii) in subparagraph (C)(v), by strik-  
22          ing the period at the end and inserting a  
23          semicolon; and

24                           (C) by adding at the end the following:

1           “(3) to support, in consultation with the Sec-  
2           retary of State, the safe, secure, and peaceful use of  
3           nuclear technology in countries developing nuclear  
4           energy programs, with a focus on countries that  
5           have increased civil nuclear cooperation with the  
6           Russian Federation or the People’s Republic of  
7           China; and

8           “(4) to promote the fullest utilization of United  
9           States reactors, fuel, equipment, services, and tech-  
10          nology in nuclear energy programs outside the  
11          United States through—

12               “(A) bilateral and multilateral arrange-  
13               ments that contain commitments for the utiliza-  
14               tion of United States reactors, fuel, equipment,  
15               services, and technology;

16               “(B) the designation of 1 or more U.S. nu-  
17               clear energy companies (as defined in section 2  
18               of the International Nuclear Energy Act of  
19               2022) to implement an arrangement under sub-  
20               paragraph (A) if the Secretary determines that  
21               the designation is necessary and appropriate to  
22               achieve the objectives of this section;

23               “(C) the waiver of any provision of law re-  
24               lating to competition with respect to any activ-  
25               ity related to an arrangement under subpara-

1 graph (A) if the Secretary, in consultation with  
2 the Attorney General and the Secretary of  
3 Commerce, determines that a waiver is nec-  
4 essary and appropriate to achieve the objectives  
5 of this section; and

6 “(D) the issuance of loans, loan guaran-  
7 tees, other financial assistance, or assistance in  
8 the form of an equity interest to carry out ac-  
9 tivities related to an arrangement under sub-  
10 paragraph (A), to the extent appropriated funds  
11 are available.”; and

12 (3) by adding at the end the following:

13 “(b) REQUIREMENTS.—The program under sub-  
14 section (a) shall—

15 “(1) with respect to the function described in  
16 subsection (a)(3), be modeled after the International  
17 Military Education and Training program of the De-  
18 partment of State; and

19 “(2) be carried out—

20 “(A) to facilitate, to the maximum extent  
21 practicable, workshops and expert-based ex-  
22 changes to engage industry, stakeholders, and  
23 foreign governments with respect to inter-  
24 national civil nuclear issues, such as—

25 “(i) training;

1                   “(ii) financing;  
2                   “(iii) safety;  
3                   “(iv) security;  
4                   “(v) safeguards;  
5                   “(vi) liability;  
6                   “(vii) advanced fuels;  
7                   “(viii) operations; and  
8                   “(ix) options for multinational co-  
9                   operation with respect to the disposal of  
10                  spent nuclear fuel (as defined in section 2  
11                  of the Nuclear Waste Policy Act of 1982  
12                  (42 U.S.C. 10101)); and  
13                  “(B) in coordination with—  
14                         “(i) the National Security Council;  
15                         “(ii) the Secretary of State;  
16                         “(iii) the Secretary of Commerce; and  
17                         “(iv) the Nuclear Regulatory Commis-  
18                         sion.

19                  “(e) AUTHORIZATION OF APPROPRIATIONS.—There  
20                  is authorized to be appropriated to the Secretary to carry  
21                  out subsection (a)(3) \$15,500,000 for each of fiscal years  
22                  2022 through 2026.”.

1 **SEC. 9. INTERNATIONAL CIVIL NUCLEAR PROGRAM SUP-**  
2 **PORT.**

3 (a) **IN GENERAL.**—Not later than 120 days after the  
4 date of enactment of this Act, the Secretary of State, in  
5 coordination with the Secretary and the Assistant, shall  
6 launch an international initiative (referred to in this sec-  
7 tion as the “initiative”) to provide grants, in accordance  
8 with this section—

9 (1) to embarking civil nuclear energy nations  
10 for activities relating to the development of civil nu-  
11 clear programs; and

12 (2) to ally or partner nations for the construc-  
13 tion of nuclear reactors and advanced nuclear reac-  
14 tors.

15 (b) **GRANTS.**—

16 (1) **IN GENERAL.**—In carrying out the initia-  
17 tive, the Secretary of State, in coordination with the  
18 Secretary and the Assistant, may award not more  
19 than 1 grant to each country, including each em-  
20 barking civil nuclear energy nation, each fiscal year.

21 (2) **AMOUNT.**—The amount of a grant awarded  
22 under the initiative shall be not more than  
23 \$5,500,000.

24 (3) **LIMITATION.**—The Secretary of State, in  
25 coordination with the Secretary and the Assistant,  
26 may award not more than a total of 5 grants under

1 the initiative to a single country, including each em-  
2 barking civil nuclear energy nation.

3 (c) SENIOR ADVISORS.—

4 (1) IN GENERAL.—In carrying out the initia-  
5 tive, the Secretary of State, in coordination with the  
6 Secretary and the Assistant, shall provide a grant to  
7 an embarking civil nuclear energy nation with the  
8 option for a U.S. nuclear energy company to hire 1  
9 or more senior advisors to assist the embarking civil  
10 nuclear energy nation in establishing a civil nuclear  
11 program.

12 (2) REQUIREMENT.—A senior advisor described  
13 in paragraph (1) shall seek to advise the embarking  
14 civil nuclear energy nation on, and facilitate on be-  
15 half of the embarking civil nuclear energy nation, 1  
16 or more of the following:

17 (A) The development of financing relation-  
18 ships.

19 (B) The development of a standardized fi-  
20 nancing and project management framework for  
21 the construction of nuclear power plants.

22 (C) The development of a standardized li-  
23 censing framework for—

24 (i) light water civil nuclear tech-  
25 nologies; and

1                   (ii) non-light water civil nuclear tech-  
2                   nologies and advanced nuclear reactors.

3                   ~~(D) The identification of qualified organi-~~  
4                   ~~zations and service providers.~~

5                   ~~(E) The identification of funds to support~~  
6                   ~~payment for services required to develop a civil~~  
7                   ~~nuclear program.~~

8                   ~~(F) Market analysis.~~

9                   ~~(G) The identification of the safety, secu-~~  
10                  ~~rity, safeguards, and nuclear governance re-~~  
11                  ~~quired for a civil nuclear program.~~

12                  ~~(H) Risk allocation, risk management, and~~  
13                  ~~nuclear liability.~~

14                  ~~(I) Technical assessments of nuclear reac-~~  
15                  ~~tors and technologies.~~

16                  ~~(J) The identification of actions necessary~~  
17                  ~~to participate in a global nuclear liability re-~~  
18                  ~~gime based on the Convention on Supple-~~  
19                  ~~mentary Compensation for Nuclear Damage,~~  
20                  ~~with Annex, done at Vienna September 12,~~  
21                  ~~1997 (TIAS 15-415).~~

22                  ~~(K) Stakeholder engagement.~~

23                  ~~(L) Management of spent nuclear fuel and~~  
24                  ~~nuclear waste.~~

1           (M) Any other major activities to support  
2           the establishment of a civil nuclear program,  
3           such as the establishment of export, financing,  
4           construction, training, operations, and edu-  
5           cation requirements.

6           (d) **AUTHORIZATION OF APPROPRIATIONS.**—There is  
7           authorized to be appropriated to the Secretary of State  
8           to carry out the initiative \$50,000,000 for each of fiscal  
9           years 2023 through 2027.

10 **SEC. 10. BIENNIAL NUCLEAR SAFETY, SECURITY, SAFE-**  
11 **GUARDS, AND SUSTAINABILITY SUMMIT.**

12           (a) **IN GENERAL.**—The Secretary, the Secretary of  
13           State, the Secretary of Defense, the Secretary of Com-  
14           merce, the Nuclear Regulatory Commission, and the As-  
15           sistant shall hold a biennial nuclear safety, security, safe-  
16           guards, and sustainability summit (referred to in this sec-  
17           tion as a “summit”), the first of which shall be held on  
18           the date that is 180 days after the date of enactment of  
19           this Act.

20           (b) **LOCATION.**—Each summit shall be held in—

21                   (1) Washington, DC; or

22                   (2) a country described in any of subpara-  
23           graphs (A) through (H) of section 2(2).

24           (c) **REQUIREMENT.**—Each summit shall—

1           (1) be a forum in which leaders of ally or part-  
 2           ner nations may engage with each other for the pur-  
 3           pose of reinforcing the commitment to nuclear safe-  
 4           ty, security, safeguards, and sustainability; and

5           (2) facilitate the development of—

6                   (A) joint commitments and goals to im-  
 7                   prove nuclear safety, security, safeguards, and  
 8                   sustainability;

9                   (B) stronger international institutions that  
 10                   support nuclear safety, security, safeguards,  
 11                   and sustainability; and

12                   (C) a global nuclear liability regime.

13           (d) INPUT FROM INDUSTRY AND GOVERNMENT.—

14           Each summit shall include a meeting that convenes nu-  
 15           clear industry leaders and leaders of government agencies  
 16           with expertise relating to nuclear safety, security, safe-  
 17           guards, or sustainability to discuss best practices relating  
 18           to—

19                   (1) the safe and secure use, storage, and trans-  
 20                   port of nuclear and radiological materials;

21                   (2) managing the evolving cyber threat to nu-  
 22                   clear and radiological security; and

23                   (3) the role that the nuclear industry should  
 24                   play in nuclear and radiological safety, security, and  
 25                   safeguards, including with respect to the safe and

1 secure use, storage, and transport of nuclear and ra-  
2 diological materials, including spent nuclear fuel and  
3 nuclear waste.

4 (e) REPORT.—

5 (1) IN GENERAL.—Not later than 120 days  
6 after the end of each summit, the Secretary, the  
7 Secretary of State, the Secretary of Defense, the  
8 Secretary of Commerce, the Nuclear Regulatory  
9 Commission, and the Assistant shall jointly submit  
10 to Congress a report highlighting—

11 (A) any commitments made by the United  
12 States or international partners of the United  
13 States, including an ally or partner nation, with  
14 respect to nuclear safety, security, safeguards,  
15 or sustainability; and

16 (B) the objectives that the parties to those  
17 commitments agreed to meet.

18 (2) REQUIREMENT.—The report under para-  
19 graph (1) shall detail—

20 (A) any current and continuing nuclear se-  
21 curity threat;

22 (B) any progress made toward advancing  
23 nuclear security-related treaties;

24 (C) any steps taken or needed to be  
25 taken—

1 (i) to fulfill any obligations of the  
 2 United States under existing nuclear secu-  
 3 rity and safeguard treaties;

4 (ii) to manage cyber threats; or

5 (iii) to prevent the theft, sabotage,  
 6 and illicit trafficking of nuclear materials,  
 7 facilities, and technology, as applicable;

8 (D) the role of the nuclear industry in pre-  
 9 venting nuclear proliferation; and

10 (E) any other topics discussed during the  
 11 summit that relate to nuclear safety, security,  
 12 safeguards, or sustainability.

13 **SEC. 11. ADVANCED REACTOR COORDINATION AND RE-**  
 14 **SOURCE CENTER.**

15 The Secretary, in coordination with the Secretary of  
 16 State, the Secretary of Commerce, the Chairman of the  
 17 Nuclear Regulatory Commission, the President of the Ex-  
 18 port-Import Bank of the United States, and the Chief Ex-  
 19 ecutive Officer of the United States International Develop-  
 20 ment Finance Corporation, shall establish a center, to be  
 21 known as the “Advanced Reactor Coordination and Re-  
 22 source Center”, for the purposes of—

23 (1) identifying qualified organizations and serv-  
 24 ice providers—

1           (A) for embarking civil nuclear energy na-  
2           tions;

3           (B) to develop and assemble documents,  
4           contracts, and related items required to estab-  
5           lish a civil nuclear program; and

6           (C) to develop a standardized model for  
7           the establishment of a civil nuclear program  
8           that can be used by the International Atomic  
9           Energy Agency;

10          (2) coordinating with countries participating in  
11          the Center and with the Nuclear Exports Working  
12          Group established under section 3(b)—

13               (A) to identify funds to support payment  
14               for services required to develop a civil nuclear  
15               program;

16               (B) to provide market analysis; and

17               (C) to create—

18                       (i) project structure models;

19                       (ii) models for electricity market anal-  
20                       ysis;

21                       (iii) models for nonelectric applica-  
22                       tions market analysis; and

23                       (iv) financial models;

1           (3) identifying and developing the safety, secu-  
2           rity, safeguards, and nuclear governance required  
3           for a civil nuclear program;

4           (4) supporting multinational regulatory stand-  
5           ards to be developed by countries with civil nuclear  
6           programs and experience;

7           (5) developing and strengthening communica-  
8           tions, engagement, and consensus-building;

9           (6) carrying out any other major activities to  
10          support export, financing, education, construction,  
11          training, and education requirements relating to the  
12          establishment of a civil nuclear program;

13          (7) developing mechanisms for how to fund and  
14          staff the Center; and

15          (8) determining mechanisms for the selection of  
16          the location or locations of the Center.

17 **SEC. 12. BIENNIAL CIVIL NUCLEAR VENDOR SUMMIT.**

18          (a) **IN GENERAL.**—The Secretary, the Secretary of  
19          State, the Secretary of Commerce, the President of the  
20          Export-Import Bank of the United States, the Chief Exec-  
21          utive Officer of the United States International Develop-  
22          ment Finance Corporation, and the Assistant shall hold  
23          a biennial civil nuclear vendor summit (referred to in this  
24          section as a “summit”); the first of which shall be held

1 on the date that is 180 days after the date of enactment  
2 of this Act.

3 (b) LOCATION.—Each summit shall be held in—

4 (1) Washington, DC; or

5 (2) a country described in any of subpara-  
6 graphs (A) through (H) of section 2(2).

7 (c) REQUIREMENT.—Each summit shall—

8 (1) be a forum in which leaders of ally or part-  
9 ner nations may engage with each other for the pur-  
10 pose of promoting the peaceful, responsible, and safe  
11 use of civil nuclear technologies; and

12 (2) facilitate—

13 (A) the development of—

14 (i) cooperative financing relationships  
15 to promote competitive alternatives to Chi-  
16 nese and Russian financing;

17 (ii) a standardized financing and  
18 project management framework for the  
19 construction of nuclear power plants;

20 (iii) a standardized licensing frame-  
21 work for civil nuclear technologies;

22 (iv) a strategy to change internal poli-  
23 cies of multinational development banks,  
24 such as the World Bank, to support the fi-  
25 nancing of civil nuclear projects;

- 1           (v) a document containing any lessons  
2 learned from countries that have partnered  
3 with the Russian Federation or the Peo-  
4 ple's Republic of China with respect to nu-  
5 clear power, including any detrimental out-  
6 comes resulting from that partnership; and  
7           (vi) a global nuclear liability regime;
- 8           (B) cooperation for enhancing the overall  
9 aspects of civil nuclear power, such as—
- 10           (i) nuclear safety, security, and safe-  
11 guards;
- 12           (ii) nuclear laws (including regula-  
13 tions);
- 14           (iii) waste management;
- 15           (iv) quality management systems;
- 16           (v) technology transfer;
- 17           (vi) human resources development;
- 18           (vii) localization;
- 19           (viii) reactor operations;
- 20           (ix) nuclear liability; and
- 21           (x) decommissioning; and
- 22           (C) the development and determination of  
23 the mechanisms described in paragraphs (7)  
24 and (8) of section 11.
- 25           (d) REPORT.—

1           (1) IN GENERAL.—Not later than 120 days  
2 after the end of each summit, the Secretary, the  
3 Secretary of State, the Secretary of Commerce, the  
4 President of the Export-Import Bank of the United  
5 States, the Chief Executive Officer of the United  
6 States International Development Finance Corpora-  
7 tion, and the Assistant shall jointly submit to Con-  
8 gress a report highlighting—

9           (A) any commitments made by the United  
10 States or international partners of the United  
11 States, including an ally or partner nation, with  
12 respect to international civil nuclear export  
13 practices; and

14           (B) the objectives that the parties to those  
15 commitments agreed to meet.

16           (2) REQUIREMENT.—The report under para-  
17 graph (1) shall detail—

18           (A) any steps taken to establish common  
19 financing relationships;

20           (B) any progress made toward establishing  
21 a standardized financing, project management,  
22 and licensing framework;

23           (C) any changes to the internal policies of  
24 multinational development banks, such as the  
25 World Bank, to support civil nuclear projects;

1           (D) any steps taken or needed to be  
2 taken—

3           (i) to rectify any obstacles that were  
4 identified after the applicable civil nuclear  
5 vendor summit but were unforeseen at the  
6 time of, and not discussed at, that summit;

7           (ii) to enable early-stage day-to-day  
8 support of embarking civil nuclear energy  
9 nations;

10           (iii) to address any gaps in the whole-  
11 of-government approach to international  
12 civil nuclear cooperation, exports, and in-  
13 vestment developed by the Assistant; or

14           (iv) to improve the role of the Assist-  
15 ant in international outreach;

16           (E) the role of the nuclear industry in es-  
17 tablishing cooperative relationships; and

18           (F) the competitiveness of available United  
19 States financing packages for civil nuclear ex-  
20 ports, relative to international competitors.

21 **SEC. 13. STRATEGIC INFRASTRUCTURE FUND WORKING**  
22 **GROUP.**

23           (a) **ESTABLISHMENT.**—There is established a work-  
24 ing group, to be known as the “Strategic Infrastructure

1 Fund Working Group” (referred to in this section as the  
2 “working group”).

3 (b) COMPOSITION.—The working group shall be—

4 (1) led by the Assistant; and

5 (2) composed of—

6 (A) senior-level Federal officials, selected  
7 by the head of the applicable Federal agency or  
8 organization, from—

9 (i) the Department of State;

10 (ii) the Department of the Treasury;

11 (iii) the Department of Commerce;

12 (iv) the Department of Energy;

13 (v) the Export-Import Bank of the  
14 United States;

15 (vi) the United States International  
16 Development Finance Corporation; and

17 (vii) the Nuclear Regulatory Commis-  
18 sion;

19 (B) other senior-level Federal officials, se-  
20 lected by the head of the applicable Federal  
21 agency or organization, from any other Federal  
22 agency or organization that the Secretary deter-  
23 mines to be appropriate; and

1           (C) any senior-level Federal official se-  
 2           lected by the Assistant from any Federal agen-  
 3           cy or organization.

4           (e) REPORTING.—The working group shall report to  
 5 the National Security Council.

6           (d) DUTIES.—The working group shall—

7           (1) provide direction and advice to the Assist-  
 8           ant with respect to the establishment of a Strategic  
 9           Infrastructure Fund (referred to in this subsection  
 10          as the “Fund”) to be used—

11           (A) to support those aspects of projects re-  
 12          lating to—

13           (i) civil nuclear technologies;

14           (ii) rare earth elements and critical  
 15          minerals (as defined in section 7002(a) of  
 16          the Energy Act of 2020 (30 U.S.C.  
 17          1606(a))); and

18           (iii) microprocessors; and

19           (B) for strategic investments identified by  
 20          the working group; and

21           (2) address critical areas in determining the ap-  
 22          propriate design for the Fund, including—

23           (A) transfer of assets to the Fund;

24           (B) transfer of assets from the Fund;

1           (C) how assets in the Fund should be in-  
2           vested; and

3           (D) governance and implementation of the  
4           Fund.

5       (e) REPORT REQUIRED.—

6           (1) IN GENERAL.—Not later than 1 year after  
7           the date of the enactment of this Act, the working  
8           group shall submit to the committees described in  
9           paragraph (2) a report on the findings of the work-  
10          ing group that includes suggested legislative text for  
11          how to establish and structure a Strategic Infra-  
12          structure Fund.

13          (2) COMMITTEES DESCRIBED.—The committees  
14          referred to in paragraph (1) are—

15               (A) the Committee on Foreign Relations,  
16               the Committee on Commerce, Science, and  
17               Transportation, the Committee on Armed Serv-  
18               ices, the Committee on Energy and Natural Re-  
19               sources, the Committee on Environment and  
20               Public Works, and the Committee on Finance  
21               of the Senate; and

22               (B) the Committee on Foreign Affairs, the  
23               Committee on Energy and Commerce, the Com-  
24               mittee on Armed Services, the Committee on  
25               Science, Space, and Technology, and the Com-

1           committee on Ways and Means of the House of  
2           Representatives.

3 **SEC. 14. INVESTMENT BY ALLIES AND PARTNERS OF THE**  
4           **UNITED STATES.**

5           (a) **COMMERCIAL LICENSES.**—Section 103 d. of the  
6 Atomic Energy Act of 1954 (42 U.S.C. 2133(d)) is  
7 amended; in the second sentence—

8           (1) by inserting “for a production facility” after  
9 “No license”; and

10          (2) by striking “any any” and inserting “any”.

11          (b) **MEDICAL THERAPY AND RESEARCH DEVELOP-**  
12 **MENT LICENSES.**—Section 104 d. of the Atomic Energy  
13 Act of 1954 (42 U.S.C. 2134(d)) is amended; in the sec-  
14 ond sentence; by inserting “for a production facility” after  
15 “No license”.

16 **SEC. 15. MODIFICATION OF POWERS AND FUNCTIONS OF**  
17           **THE EXPORT-IMPORT BANK OF THE UNITED**  
18           **STATES.**

19          (a) **MODIFICATION OF PROHIBITION ON FINANC-**  
20 **ING.**—Section 2(b)(5) of the Export-Import Bank Act of  
21 1945 (12 U.S.C. 635(b)(5)) is amended; in the first sen-  
22 tence; by striking “any liquid metal fast breeder nuclear  
23 reactor or”.

24          (b) **EXPANSION OF PROGRAM ON TRANS-**  
25 **FORMATIONAL EXPORTS.**—

1           (1) IN GENERAL.—Section 2(1) of the Export-  
2           Import Bank Act of 1945 (12 U.S.C. 635(1)) is  
3           amended—

4                   (A) in the subsection heading, by striking  
5           “CHINA AND”;

6                   (B) in paragraph (1)—

7                           (i) in the matter preceding subpara-  
8           graph (A)—

9                                   (I) by striking “The Bank shall  
10                                   establish a Program on China and”  
11                                   and inserting “Notwithstanding the  
12                                   Arrangement, the Bank shall establish  
13                                   a Program on”;

14                                   (II) by striking “conditions,” and  
15                                   inserting “conditions that, in the  
16                                   judgement of the Board of Directors  
17                                   of the Bank, offer sufficient likelihood  
18                                   of repayment to justify the loan, guar-  
19                                   antee, or insurance, as applicable,”;  
20                                   and

21                                   (III) by striking “by the People’s  
22                                   Republic of China or”;

23                           (ii) in subparagraph (A), by striking  
24           “by the People’s Republic of China or”;  
25           and

- 1 (iii) in subparagraph (B)—
- 2 (I) in the matter preceding clause
- 3 (i), by striking “the People’s Republic
- 4 of China” and inserting “covered
- 5 countries”;
- 6 (II) by redesignating clauses
- 7 (viii) through (xi) as clauses (ix)
- 8 through (xii), respectively; and
- 9 (III) by inserting after clause
- 10 (vii) the following:
- 11 “(viii) Civil nuclear facilities, material,
- 12 technologies, and related goods and serv-
- 13 ices that support the development of an ef-
- 14 fective nuclear energy sector.”;
- 15 (C) by striking paragraph (2);
- 16 (D) by redesignating paragraph (3) as
- 17 paragraph (2);
- 18 (E) in paragraph (2), as so redesignated—
- 19 (i) in subparagraph (A), by striking
- 20 “China and”;
- 21 (ii) in subparagraph (B)—
- 22 (I) in the matter preceding clause
- 23 (i), by striking “the People’s Republic
- 24 of China is” and inserting “the Peo-

- 1                   ple’s Republic of China and the Rus-  
 2                   sian Federation are”; and
- 3                   (H) in clause (i), by striking “;”,  
 4                   and” and inserting “; or”;
- 5                   (iii) in subparagraph (C)—
- 6                   (I) in the subparagraph heading,  
 7                   by striking “SUNSET AND”;
- 8                   (H) by striking the first sentence;  
 9                   and
- 10                  (III) by striking “4 years after  
 11                  enactment of this subsection” and in-  
 12                  serting “December 20, 2023”; and
- 13                  (iv) in subparagraph (D), by striking  
 14                  “China and”; and
- 15                  (F) by adding at the end the following:
- 16                  “(3) SUNSET.—The Program on Trans-  
 17                  formational Exports shall expire on December 31,  
 18                  2026.
- 19                  “(4) DEFINITIONS.—In this subsection:
- 20                    “(A) ARRANGEMENT.—The term ‘Arrange-  
 21                    ment’ means the Arrangement on Officially  
 22                    Supported Export Credits of the Organization  
 23                    for Economic Cooperation and Development.
- 24                    “(B) COVERED COUNTRY.—The term ‘cov-  
 25                    ered country’ means—

1 “(i) the People’s Republic of China;

2 “(ii) the Russian Federation; or

3 “(iii) any country that—

4 “(I) the Secretary of the Treas-  
5 ury designates as a covered country in  
6 a report to the Committee on Bank-  
7 ing, Housing, and Urban Development  
8 of the Senate and the Committee on  
9 Financial Services of the House of  
10 Representatives;

11 “(II) is not a participant in the  
12 Arrangement; and

13 “(III) is not in substantial com-  
14 pliance with the financial terms and  
15 conditions of the Arrangement.”.

16 (2) CONFORMING AMENDMENT.—Section 8(l) of  
17 the Export-Import Bank Act of 1945 (12 U.S.C.  
18 635g(1)) is amended—

19 (A) in the subsection heading, by striking  
20 “UNDER THE” and all that follows through  
21 “EXPORTS” and inserting “UNDER THE PRO-  
22 GRAM ON TRANSFORMATIONAL EXPORTS”; and

23 (B) by striking “China and”.

24 (c) REPORTING ON FINANCING RELATED TO PEO-  
25 PLE’S REPUBLIC OF CHINA AND RUSSIAN FEDERA-

1 TION.—Section 408 of title IV of division I of the Further  
 2 Consolidated Appropriations Act, 2020 (Public Law 116–  
 3 94; 12 U.S.C. 635 note) is amended—

4 (1) in the section heading, by striking “**CHINA**”  
 5 and inserting “**THE PEOPLE’S REPUBLIC OF**  
 6 **CHINA AND THE RUSSIAN FEDERATION**”;

7 (2) in subsection (a), in the matter preceding  
 8 paragraph (1), by striking “the government of  
 9 China” and inserting “the Government of the Peo-  
 10 ple’s Republic of China or the Government of the  
 11 Russian Federation”;

12 (3) in subsection (c)(1)(C), by striking “the  
 13 government of China” and inserting “the Govern-  
 14 ment of the People’s Republic of China or the Gov-  
 15 ernment of the Russian Federation”;

16 (4) by striking subsection (d) and inserting the  
 17 following:

18 “(d) DEFINITIONS.—In this section:

19 “(1) GOVERNMENT OF THE PEOPLE’S REPUB-  
 20 LIC OF CHINA.—The term ‘Government of the Peo-  
 21 ple’s Republic of China’ means any person that the  
 22 Bank has reason to believe is—

23 “(A) the state and the Government of the  
 24 People’s Republic of China, as well as any polit-

1           ical subdivision, agency, or instrumentality  
2           thereof;

3           “(B) any entity controlled, directly or indi-  
4           rectly, by any of the foregoing, including any  
5           partnership, association, or other entity in  
6           which any of the foregoing owns a 50 percent  
7           or greater interest or a controlling interest, and  
8           any entity which is otherwise controlled by any  
9           of the foregoing;

10           “(C) any person that is or has been acting  
11           or purporting to act, directly or indirectly, for  
12           or on behalf of any of the foregoing; and

13           “(D) any other person which the Secretary  
14           of the Treasury has notified the Bank is in-  
15           cluded in any of the foregoing.

16           “(2) GOVERNMENT OF THE RUSSIAN FEDERA-  
17           TION.—The term ‘Government of the Russian Fed-  
18           eration’ means any person that the Bank has reason  
19           to believe is—

20           “(A) the state and the Government of the  
21           Russian Federation, as well as any political  
22           subdivision, agency, or instrumentality thereof;

23           “(B) any entity controlled, directly or indi-  
24           rectly, by any of the foregoing, including any  
25           partnership, association, or other entity in

1 which any of the foregoing owns a 50 percent  
 2 or greater interest or a controlling interest, and  
 3 any entity which is otherwise controlled by any  
 4 of the foregoing;

5 “(C) any person that is or has been acting  
 6 or purporting to act, directly or indirectly, for  
 7 or on behalf of any of the foregoing; and

8 “(D) any other person which the Secretary  
 9 of the Treasury has notified the Bank is in-  
 10 cluded in any of the foregoing.”; and

11 (5) in subsection (e)(2), in the matter preceding  
 12 subparagraph (A), by striking “China is” and insert-  
 13 ing “the People’s Republic of China and the Russian  
 14 Federation are”.

15 **SEC. 16. U.S. NUCLEAR FUELS SECURITY INITIATIVE TO RE-**  
 16 **DUCE RELIANCE ON NUCLEAR FUELS FROM**  
 17 **RUSSIA AND CHINA.**

18 (a) OBJECTIVES.—The objectives of this section  
 19 are—

20 (1) to expeditiously increase domestic produc-  
 21 tion of low-enriched uranium (referred to in this sec-  
 22 tion as “LEU”) by an annual amount determined by  
 23 the Secretary to be appropriate to reduce the reli-  
 24 ance of the United States and ally or partner na-  
 25 tions on nuclear fuels from—

1 (A) the Russian Federation; and

2 (B) the People's Republic of China;

3 (2) to expeditiously increase domestic produc-  
4 tion of high-assay low-enriched uranium (referred to  
5 in this section as "HLEU") by an annual amount  
6 determined by the Secretary to be sufficient to meet  
7 the needs of the consortium established under sec-  
8 tion 2001(a)(2)(F) of the Energy Policy Act of 2020  
9 (42 U.S.C. 16281(a)(2)(F));

10 (3) to ensure the availability of domestically  
11 produced and converted uranium in an amount de-  
12 termined by the Secretary to be sufficient to address  
13 a reasonably anticipated supply disruption;

14 (4) to promote the domestic production, conver-  
15 sion, and enrichment of uranium; and

16 (5) to promote the deployment of United States  
17 uranium enrichment technology.

18 (b) DEFINITION OF PROGRAMS.—In this section, the  
19 term "Programs" means—

20 (1) the Nuclear Fuel Security Program estab-  
21 lished under subsection (c)(1);

22 (2) the National Strategic Uranium Reserve  
23 Program established under subsection (c)(2); and

24 (3) the American Assured Fuel Supply Pro-  
25 gram of the Department of Energy.

1 (c) ESTABLISHMENT.—The Secretary, consistent  
2 with the objectives described in subsection (a), shall estab-  
3 lish—

4 (1) a program, to be known as the “Nuclear  
5 Fuel Security Program”, to reduce the reliance of  
6 the United States and ally or partner nations on nu-  
7 clear fuels from the Russian Federation and the  
8 People’s Republic of China by increasing the  
9 amounts of LEU and HALEU produced by U.S. nu-  
10 clear energy companies; and

11 (2) a program, to be known as the “National  
12 Strategic Uranium Reserve Program”, to ensure the  
13 availability of domestically produced and converted  
14 uranium in the event of a supply disruption.

15 (d) NUCLEAR FUEL SECURITY PROGRAM.—In ear-  
16 rying out the Nuclear Fuel Security Program, the Sec-  
17 retary shall—

18 (1) not later than 1 year after the date of en-  
19 actment of this Act, select 1 or more U.S. nuclear  
20 energy companies to produce LEU in amounts and  
21 timeframes specified by the Secretary;

22 (2) not later than 1 year after the date of en-  
23 actment of this Act, select 1 or more U.S. nuclear  
24 energy companies to produce HALEU in amounts  
25 and timeframes specified by the Secretary;

1           (3) utilize only uranium produced and con-  
2           verted in the United States or a country described  
3           in any of subparagraphs (A) through (H) of section  
4           2(2);

5           (4) coordinate the operations of the Nuclear  
6           Fuel Security Program and the National Strategic  
7           Uranium Reserve Program as the Secretary deter-  
8           mines to be appropriate; and

9           (5) take other actions that the Secretary deter-  
10          mines to be necessary or appropriate to reduce the  
11          reliance of the United States and ally or partner na-  
12          tions on nuclear fuels from the Russian Federation  
13          and the People's Republic of China.

14          (e) NATIONAL STRATEGIC URANIUM RESERVE PRO-  
15          GRAM.—

16               (1) IN GENERAL.—In carrying out the National  
17               Strategic Uranium Reserve Program, the Secretary  
18               shall—

19                       (A) immediately on enactment of this Act,  
20                       use the funds reallocated by paragraph (2) to  
21                       initiate the establishment of a National Stra-  
22                       tegic Uranium Reserve;

23                       (B) make the National Strategic Uranium  
24                       Reserve operational by acquiring uranium in

1 amounts and timeframes specified by the Sec-  
2 retary;

3 ~~(C)~~ maintain, replenish, or increase the  
4 amount of uranium in the National Strategic  
5 Uranium Reserve in a manner determined by  
6 the Secretary to be consistent with the objec-  
7 tives described in subsection (a);

8 ~~(D)~~ utilize only uranium produced and  
9 converted in the United States;

10 ~~(E)~~ make uranium available from the Na-  
11 tional Strategic Uranium Reserve, subject to  
12 terms and conditions determined by the Sec-  
13 retary to be reasonable and appropriate;

14 ~~(F)~~ coordinate the operations of the Nu-  
15 clear Fuel Security Program and the National  
16 Strategic Uranium Reserve Program as the  
17 Secretary determines to be appropriate; and

18 ~~(G)~~ take other actions that the Secretary  
19 determines to be necessary or appropriate to  
20 address a uranium supply disruption.

21 ~~(2)~~ REALLOCATION.—Notwithstanding any  
22 other provision of law, amounts made available to  
23 the National Nuclear Security Administration for  
24 the Uranium Reserve Program by, and described in  
25 the first proviso in, the matter under the heading

1       “WEAPONS ACTIVITIES” under the heading “NA-  
2       TIONAL NUCLEAR SECURITY ADMINISTRA-  
3       TION” under the heading “ATOMIC ENERGY  
4       DEFENSE ACTIVITIES” in title III of division D  
5       of the Consolidated Appropriations Act, 2021 (Pub-  
6       lic Law 116–260; 134 Stat. 1369), that remain  
7       available as of the date of enactment of this Act  
8       shall be reallocated, as directed by the Secretary, for  
9       the purpose of establishing and initiating operation  
10      of the National Strategic Uranium Reserve by—

11               (A) continuing the activities initiated by  
12               the National Nuclear Security Administration  
13               using the amounts described in that proviso;

14               (B) carrying out other activities consistent  
15               with the purposes for which those amounts were  
16               made available under that Act; and

17               (C) carrying out activities in accordance  
18               with the objectives described in subsection (a).

19       (f) CONTINUATION OF THE AMERICAN ASSURED  
20 FUEL SUPPLY PROGRAM.—In carrying out the American  
21 Assured Fuel Supply Program, the Secretary shall—

22               (1) maintain, replenish, or increase the amount  
23               of uranium in the National Strategic Uranium Re-  
24               serve in a manner determined by the Secretary to be

1 consistent with the purposes of that program and  
2 the objectives described in subsection (a);

3 ~~(2) make uranium available from the American~~  
4 ~~Assured Fuel Supply, subject to terms and condi-~~  
5 ~~tions determined by the Secretary to be reasonable~~  
6 ~~and appropriate;~~

7 ~~(3) coordinate the operations of the National~~  
8 ~~Strategic Uranium Reserve Program and the Amer-~~  
9 ~~ican Assured Fuel Supply Program as the Secretary~~  
10 ~~determines to be appropriate;~~

11 ~~(4) if determined by the Secretary to be appro-~~  
12 ~~priate and consistent with the objectives described in~~  
13 ~~subsection (a), merge the operations of the National~~  
14 ~~Strategic Uranium Reserve Program and the Amer-~~  
15 ~~ican Assured Fuel Supply Program; and~~

16 ~~(5) take other actions that the Secretary deter-~~  
17 ~~mines to be necessary or appropriate to address the~~  
18 ~~purposes of the American Assured Fuel Supply Pro-~~  
19 ~~gram and the objectives described in subsection (a).~~

20 ~~(g) AUTHORITY.—~~

21 ~~(1) IN GENERAL.—In carrying out the Pro-~~  
22 ~~grams, the Secretary, in coordination with the Sec-~~  
23 ~~retary of State, may—~~

24 ~~(A) in addition to exercising the authority~~  
25 ~~granted to the Secretary under any other provi-~~

1           sion of law, enter into transactions (other than  
2           contracts, cooperative agreements, financial as-  
3           sistance agreements, or the provision of any  
4           other financial assistance) with an ally or part-  
5           ner nation, a U.S. energy company, or any  
6           other domestic or foreign entity for any activity  
7           to carry out the Programs, including the acqui-  
8           sition or provision of uranium, conversion serv-  
9           ices, enrichment services, LEU, HALEU, and  
10          related goods and services, in the same manner  
11          as the Secretary of Defense under section 4021  
12          of title 10, United States Code (other than sub-  
13          sections (b) and (f) of that section);

14                (B) make acquisitions for the Programs  
15                through the use of competitive selection proc-  
16                esses that the Secretary determines to be ap-  
17                propriate to achieve the objectives described in  
18                subsection (a) in an expeditious manner;

19                (C)(i) establish milestones for achieving  
20                specified objectives, including the production of  
21                LEU and HALEU in amounts and timeframes  
22                specified by the Secretary; and

23                (ii) provide awards and other forms of in-  
24                centives for meeting those milestones;

1           ~~(D)~~ provide loan guarantees, other finan-  
 2           cial assistance, or assistance in the form of rev-  
 3           enue guarantees or similar mechanisms;

4           ~~(E)~~ charge an amount for the provision of  
 5           uranium, conversion services, enrichment serv-  
 6           ices, LEU, HALEU, and other goods and serv-  
 7           ices that, in the opinion of the Secretary, pro-  
 8           vides reasonable compensation, taking into ac-  
 9           count fair market value and the objectives de-  
 10          scribed in subsection (a); and

11          ~~(F)~~ notwithstanding section 3302 of title  
 12          31, United States Code—

13                 (i) receive and retain revenues from  
 14                 the sale or transfer of uranium, LEU, or  
 15                 HALEU and from other activities related  
 16                 to the Programs; and

17                 (ii) expend those revenues for pur-  
 18                 poses related to the program from which  
 19                 the revenues are derived.

20          ~~(2) AVAILABILITY OF FUNDS.—~~The revenues  
 21          described in paragraph ~~(1)(F)~~ shall remain available  
 22          until expended.

23          ~~(h) DOMESTIC SOURCING CONSIDERATIONS.—~~

24                 ~~(1) IN GENERAL.—~~Except as provided in para-  
 25          graph ~~(2)~~, the Secretary may only carry out an ac-

1       tivity in connection with 1 or more of the Programs  
2       if—

3               (A) the activity promotes manufacturing in  
4       the United States; or

5               (B) the activity relies on resources, mate-  
6       rials, or equipment developed or produced—

7                       (i) in the United States; or

8                       (ii) in a country described in any of  
9       subparagraphs (A) through (H) of section  
10      2(2) by—

11                      (I) a U.S. nuclear energy com-  
12                      pany;

13                      (II) an ally or partner nation; or

14                      (III) an associated entity.

15               (2) WAIVER.—The Secretary may waive the re-  
16       quirements of paragraph (1) with respect to an ac-  
17       tivity if the Secretary determines a waiver to be nec-  
18       essary to achieve 1 or more of the objectives de-  
19       scribed in subsection (a).

20               (i) EXCLUSIONS.—The Secretary may not carry out  
21       an activity in connection with the Programs with an entity  
22       that is—

23                      (1) owned or controlled by the Government of  
24       the Russian Federation or the Government of the  
25       People's Republic of China; or

1           (2) organized under the laws of, or otherwise  
2           subject to the jurisdiction of, the Russian Federation  
3           or the People’s Republic of China.

4           (j) NUCLEAR REGULATORY COMMISSION.—The Nu-  
5           clear Regulatory Commission shall prioritize and expedite  
6           consideration of any action related to the Programs to the  
7           extent permitted under the Atomic Energy Act of 1954  
8           (42 U.S.C. 2011 et seq.) and related statutes.

9           (k) USEC PRIVATIZATION ACT.—

10           (1) IN GENERAL.—The requirements of section  
11           3112 of the USEC Privatization Act (42 U.S.C.  
12           2297h–10) shall not apply to activities related to the  
13           Programs.

14           (2) AMENDMENT.—Section 3112A(c)(2)(A) of  
15           the USEC Privatization Act (42 U.S.C. 2297h–  
16           10a(c)(2)(A)) is amended—

17                   (A) in clause (xii), by inserting “and” after  
18                   the semicolon at the end;

19                   (B) by striking clauses (xiii) through  
20                   (xxxvii); and

21                   (C) by adding at the end the following:

22                           “(xiii) in calendar year 2026 and each  
23                           calendar year thereafter, 0 kilograms.”.

1       (†) **AUTHORIZATION OF APPROPRIATIONS.**—In addi-  
2 tion to amounts otherwise available, there are authorized  
3 to be appropriated to the Secretary—

4           (1) for the Nuclear Fuel Security Program,  
5       \$3,500,000,000 for fiscal year 2023, to remain  
6       available until September 30, 2031; and

7           (2) for the National Strategic Uranium Reserve  
8       Program and the American Assured Fuel Supply  
9       Program, such sums as are necessary for the period  
10      of fiscal years 2023 through 2030, to remain avail-  
11      able until September 30, 2031.

12 **SECTION 1. SHORT TITLE.**

13       *This Act may be cited as the “International Nuclear*  
14 *Energy Act”.*

15 **SEC. 2. DEFINITIONS.**

16       *In this Act:*

17           (1) **ADVANCED NUCLEAR REACTOR.**—*The term*  
18       *“advanced nuclear reactor” has the meaning given the*  
19       *term in section 951(b) of the Energy Policy Act of*  
20       *2005 (42 U.S.C. 16271(b)).*

21           (2) **ALLY OR PARTNER NATION.**—*The term “ally*  
22       *or partner nation” means—*

23           (A) *the Government of any country that is*  
24       *a member of the Organisation for Economic Co-*  
25       *operation and Development;*

1           (B) *the Government of the Republic of*  
2           *India; and*

3           (C) *the Government of any country des-*  
4           *ignated as an ally or partner nation by the Sec-*  
5           *retary of State for purposes of this Act.*

6           (3) *APPROPRIATE COMMITTEES OF CONGRESS.—*  
7           *The term “appropriate committees of Congress”*  
8           *means—*

9           (A) *the Committees on Foreign Relations*  
10           *and Energy and Natural Resources of the Sen-*  
11           *ate; and*

12           (B) *the Committees on Foreign Affairs and*  
13           *Energy and Commerce of the House of Rep-*  
14           *resentatives.*

15           (4) *ASSISTANT.—The term “Assistant” means*  
16           *the Assistant to the President and Director for Inter-*  
17           *national Nuclear Energy Policy described in section*  
18           *3(a)(1)(D).*

19           (5) *ASSOCIATED ENTITY.—The term “associated*  
20           *entity” means an entity that—*

21           (A) *is owned, controlled, or operated by—*

22                   (i) *an ally or partner nation; or*

23                   (ii) *an associated individual; or*

24           (B) *is organized under the laws of, or other-*  
25           *wise subject to the jurisdiction of, a country de-*

1           *scribed in paragraph (2), including a corpora-*  
2           *tion that is incorporated in a country described*  
3           *in that paragraph.*

4           (6) *ASSOCIATED INDIVIDUAL.*—*The term “associ-*  
5           *ated individual” means a foreign national who is a*  
6           *national of a country described in paragraph (2).*

7           (7) *CIVIL NUCLEAR.*—*The term “civil nuclear”*  
8           *means activities relating to—*

9                     *(A) nuclear plant construction;*

10                    *(B) nuclear fuel services;*

11                    *(C) nuclear energy financing;*

12                    *(D) nuclear plant operations;*

13                    *(E) nuclear plant regulation;*

14                    *(F) nuclear medicine;*

15                    *(G) nuclear safety;*

16                    *(H) community engagement in areas in*  
17           *reasonable proximity to nuclear sites;*

18                    *(I) infrastructure support for nuclear en-*  
19           *ergy;*

20                    *(J) nuclear plant decommissioning;*

21                    *(K) nuclear liability;*

22                    *(L) safe storage and safe disposal of spent*  
23           *nuclear fuel;*

24                    *(M) environmental safeguards;*

1                   (N) nuclear nonproliferation and security;  
2                   and

3                   (O) technology related to the matters de-  
4                   scribed in subparagraphs (A) through (N).

5                   (8) *EMBARKING CIVIL NUCLEAR ENERGY NA-*  
6                   *TION.*—

7                   (A) *IN GENERAL.*—The term “*embarking*  
8                   *civil nuclear energy nation*” means a country  
9                   that—

10                   (i) does not have a civil nuclear pro-  
11                   gram;

12                   (ii) is in the process of developing or  
13                   expanding a civil nuclear program, includ-  
14                   ing safeguards and a legal and regulatory  
15                   framework, for—

16                                   (I) nuclear safety;

17                                   (II) nuclear security;

18                                   (III) radioactive waste manage-  
19                   ment;

20                                   (IV) civil nuclear energy;

21                                   (V) environmental safeguards;

22                                   (VI) community engagement in  
23                   areas in reasonable proximity to nu-  
24                   clear sites;

25                                   (VII) nuclear liability; or

1                   (VIII) *advanced nuclear reactor*  
2                   *licensing;*

3                   (iii) *is in the process of selecting, de-*  
4                   *veloping, constructing, or utilizing ad-*  
5                   *vanced light water reactors, advanced nu-*  
6                   *clear reactors, or advanced civil nuclear*  
7                   *technologies; and*

8                   (iv) *is eligible to receive development*  
9                   *lending from the World Bank.*

10                  (B) *EXCLUSIONS.—The term “embarking*  
11                  *civil nuclear energy nation” does not include—*

12                   (i) *the People’s Republic of China;*

13                   (ii) *the Russian Federation;*

14                   (iii) *the Republic of Belarus;*

15                   (iv) *the Islamic Republic of Iran;*

16                   (v) *the Democratic People’s Republic of*  
17                  *Korea;*

18                   (vi) *the Republic of Cuba;*

19                   (vii) *the Bolivarian Republic of Ven-*  
20                  *ezuela;*

21                   (viii) *the Syrian Arab Republic; or*

22                   (ix) *any other country—*

23                   (I) *the property or interests in*  
24                  *property of the government of which*  
25                  *are blocked pursuant to the Inter-*

1           *national Emergency Economic Powers*  
2           *Act (50 U.S.C. 1701 et seq.); or*

3           (ii) *the government of which the*  
4           *Secretary of State has determined has*  
5           *repeatedly provided support for acts of*  
6           *international terrorism for purposes*  
7           *of—*

8                   (aa) *section 620A(a) of the*  
9                   *Foreign Assistance Act of 1961*  
10                   *(22 U.S.C. 2371(a));*

11                   (bb) *section 40(d) of the*  
12                   *Arms Export Control Act (22*  
13                   *U.S.C. 2780(d));*

14                   (cc) *section 1754(c)(1)(A)(i)*  
15                   *of the Export Control Reform Act*  
16                   *of 2018 (50 U.S.C.*  
17                   *4813(c)(1)(A)(i)); or*

18                   (dd) *any other relevant pro-*  
19                   *vision of law.*

20           (9) *NUCLEAR SAFETY.—The term “nuclear safe-*  
21           *ty” means issues relating to the design, construction,*  
22           *operation, or decommissioning of nuclear facilities in*  
23           *a manner that ensures adequate protection of workers,*  
24           *the public, and the environment, including—*

- 1           (A) *the safe operation of nuclear reactors*  
2           *and other nuclear facilities;*  
3           (B) *radiological protection of—*  
4                 (i) *members of the public;*  
5                 (ii) *workers; and*  
6                 (iii) *the environment;*  
7           (C) *nuclear waste management;*  
8           (D) *emergency preparedness;*  
9           (E) *nuclear liability; and*  
10          (F) *the safe transportation of nuclear mate-*  
11          *rials.*

12          (10) *SECRETARY.—The term “Secretary” means*  
13          *the Secretary of Energy.*

14          (11) *SPENT NUCLEAR FUEL.—The term “spent*  
15          *nuclear fuel” has the meaning given the term in sec-*  
16          *tion 2 of the Nuclear Waste Policy Act of 1982 (42*  
17          *U.S.C. 10101).*

18          (12) *U.S. NUCLEAR ENERGY COMPANY.—The*  
19          *term “U.S. nuclear energy company” means a com-*  
20          *pany that—*

21                 (A) *is organized under the laws of, or other-*  
22                 *wise subject to the jurisdiction of, the United*  
23                 *States; and*

24                 (B) *is involved in the nuclear energy indus-*  
25                 *try.*

1 **SEC. 3. CIVIL NUCLEAR COORDINATION AND STRATEGY.**

2 (a) *WHITE HOUSE FOCAL POINT ON COORDINA-*  
3 *TION.—*

4 (1) *SENSE OF CONGRESS.—Given the critical*  
5 *importance of developing and implementing, with*  
6 *input from various agencies throughout the executive*  
7 *branch, a cohesive policy with respect to international*  
8 *efforts related to civil nuclear energy, it is the sense*  
9 *of Congress that—*

10 (A) *there should be a focal point within the*  
11 *White House, which may, if determined to be ap-*  
12 *propriate, report to the National Security Coun-*  
13 *cil, for coordination on issues relating to those*  
14 *efforts;*

15 (B) *to provide that focal point, the Presi-*  
16 *dent should establish, within the Executive Office*  
17 *of the President, an office, to be known as the*  
18 *“Office of the Assistant to the President and Di-*  
19 *rector for International Nuclear Energy Policy”*  
20 *(referred to in this subsection as the “Office”);*

21 (C) *the Office should act as a coordinating*  
22 *office for—*

23 (i) *international civil nuclear coopera-*  
24 *tion; and*

25 (ii) *civil nuclear export strategy;*

1           (D) the Office should be headed by an indi-  
2           vidual appointed as an Assistant to the Presi-  
3           dent with the title of “Director for International  
4           Nuclear Energy Policy”; and

5           (E) the Office should—

6           (i) coordinate civil nuclear export poli-  
7           cies for the United States;

8           (ii) develop, in coordination with the  
9           officials described in paragraph (2), a cohe-  
10          sive Federal strategy for engagement with  
11          foreign governments (including ally or part-  
12          ner nations and the governments of embark-  
13          ing civil nuclear energy nations), associated  
14          entities, and associated individuals with re-  
15          spect to civil nuclear exports;

16          (iii) coordinate with the officials de-  
17          scribed in paragraph (2) to ensure that nec-  
18          essary framework agreements and trade  
19          controls relating to civil nuclear materials  
20          and technologies are in place for key mar-  
21          kets; and

22          (iv) develop—

23               (I) a whole-of-government coordi-  
24               nating strategy for civil nuclear co-  
25               operation;

1                   (II) a whole-of-government strat-  
2                   egy for civil nuclear exports; and

3                   (III) a whole-of-government ap-  
4                   proach to support appropriate foreign  
5                   investment in civil nuclear energy  
6                   projects supported by the United States  
7                   in embarking civil nuclear energy na-  
8                   tions.

9                   (2) OFFICIALS DESCRIBED.—The officials re-  
10                  ferred to in paragraph (1)(E) are—

11                  (A) the appropriate officials of—

12                   (i) the Department of State;

13                   (ii) the Department of Energy;

14                   (iii) the Department of Commerce;

15                   (iv) the Department of Transportation;

16                   (v) the Nuclear Regulatory Commis-  
17                  sion;

18                   (vi) the Department of Defense;

19                   (vii) the National Security Council;

20                   (viii) the National Economic Council;

21                   (ix) the Office of the United States  
22                  Trade Representative;

23                   (x) the Office of Management and  
24                  Budget;

1                   *(xi) the Office of the Director of Na-*  
2                   *tional Intelligence;*

3                   *(xii) the Export-Import Bank of the*  
4                   *United States;*

5                   *(xiii) the United States International*  
6                   *Development Finance Corporation;*

7                   *(xiv) the United States Agency for*  
8                   *International Development;*

9                   *(xv) the United States Trade and De-*  
10                  *velopment Agency;*

11                  *(xvi) the Office of Science and Tech-*  
12                  *nology Policy; and*

13                  *(xvii) any other Federal agency that*  
14                  *the President determines to be appropriate;*  
15                  *and*

16                  *(B) appropriate officials representing for-*  
17                  *ign countries and governments, including—*

18                    *(i) ally or partner nations;*

19                    *(ii) embarking civil nuclear energy na-*  
20                    *tions; and*

21                    *(iii) any other country or government*  
22                    *that the Assistant (if appointed) and the of-*  
23                    *icials described in subparagraph (A) joint-*  
24                    *ly determine to be appropriate.*

25                  *(b) NUCLEAR EXPORTS WORKING GROUP.—*

1           (1) *ESTABLISHMENT.*—*There is established a*  
2 *working group, to be known as the “Nuclear Exports*  
3 *Working Group” (referred to in this subsection as the*  
4 *“working group”).*

5           (2) *COMPOSITION.*—*The working group shall be*  
6 *composed of—*

7           (A) *senior-level Federal officials, selected in-*  
8 *ternally by the applicable Federal agency or or-*  
9 *ganization, from—*

10                   (i) *the Department of State;*

11                   (ii) *the Department of Commerce;*

12                   (iii) *the Department of Energy;*

13                   (iv) *the Department of the Treasury;*

14                   (v) *the Export-Import Bank of the*  
15 *United States;*

16                   (vi) *the United States International*  
17 *Development Finance Corporation;*

18                   (vii) *the Nuclear Regulatory Commis-*  
19 *sion;*

20                   (viii) *the Office of the United States*  
21 *Trade Representative; and*

22                   (ix) *the United States Trade and De-*  
23 *velopment Agency; and*

24           (B) *other senior-level Federal officials, se-*  
25 *lected internally by the applicable Federal agen-*

1           *cy or organization, from any other Federal agen-*  
2           *cy or organization that the Secretary determines*  
3           *to be appropriate.*

4           (3) *REPORTING.*—*The working group shall re-*  
5           *port to the appropriate White House official, which*  
6           *may be the Assistant (if appointed).*

7           (4) *DUTIES.*—*The working group shall coordi-*  
8           *nate, not less frequently than quarterly, with the Civil*  
9           *Nuclear Trade Advisory Committee of the Department*  
10          *of Commerce, the Nuclear Energy Advisory Com-*  
11          *mittee of the Department of Energy, and other advi-*  
12          *sory or stakeholder groups, as necessary, to maintain*  
13          *an accurate and up-to-date knowledge of the standing*  
14          *of civil nuclear exports from the United States, in-*  
15          *cluding with respect to meeting the targets established*  
16          *as part of the 10-year civil nuclear trade strategy de-*  
17          *scribed in paragraph (5)(A).*

18          (5) *STRATEGY.*—

19                 (A) *IN GENERAL.*—*Not later than 1 year*  
20                 *after the date of enactment of this Act, the work-*  
21                 *ing group shall establish a 10-year civil nuclear*  
22                 *trade strategy, including biennial targets for the*  
23                 *export of civil nuclear technologies, including*  
24                 *light water and non-light water reactors and as-*  
25                 *sociated equipment and technologies, civil nu-*

1 clear materials, and nuclear fuel that align with  
2 meeting international energy demand while seek-  
3 ing to avoid or reduce emissions.

4 (B) *COLLABORATION REQUIRED.*—In estab-  
5 lishing the strategy under subparagraph (A), the  
6 working group shall collaborate with—

7 (i) the Secretary;

8 (ii) the Secretary of Commerce;

9 (iii) the Secretary of State;

10 (iv) the Secretary of the Treasury;

11 (v) the Nuclear Regulatory Commis-  
12 sion;

13 (vi) the President of the Export-Import  
14 Bank of the United States;

15 (vii) the Chief Executive Officer of the  
16 United States International Development  
17 Finance Corporation;

18 (viii) the United States Trade Rep-  
19 resentative; and

20 (ix) representatives of private industry.

21 **SEC. 4. ENGAGEMENT WITH ALLY OR PARTNER NATIONS.**

22 (a) *IN GENERAL.*—The President shall launch, in ac-  
23 cordance with applicable nuclear technology export laws  
24 (including regulations), an international initiative to mod-

1 *ernize the civil nuclear outreach to embarking civil nuclear*  
2 *energy nations.*

3       (b) *FINANCING.*—*In carrying out the initiative de-*  
4 *scribed in subsection (a), the President, acting through an*  
5 *appropriate Federal official, who may be the Assistant (if*  
6 *appointed) or the Chief Executive Officer of the Inter-*  
7 *national Development Finance Corporation, if determined*  
8 *to be appropriate, and in coordination with the officials*  
9 *described in section 3(a)(2), may, if the President deter-*  
10 *mines to be appropriate, seek to establish cooperative fi-*  
11 *ancing relationships for the export of civil nuclear tech-*  
12 *nology, components, materials, and infrastructure to em-*  
13 *barking civil nuclear energy nations.*

14       (c) *ACTIVITIES.*—*In carrying out the initiative de-*  
15 *scribed in subsection (a), the President shall—*

16               (1) *assist nongovernmental organizations and*  
17 *appropriate offices, administrations, agencies, labora-*  
18 *tories, and programs of the Department of Energy*  
19 *and other relevant Federal agencies and offices in*  
20 *providing education and training to foreign govern-*  
21 *ments in nuclear safety, security, and safeguards—*

22                       (A) *through engagement with the Inter-*  
23 *national Atomic Energy Agency; or*

24                       (B) *independently, if the applicable entity*  
25 *determines that it would be more advantageous*

1           *under the circumstances to provide the applica-*  
2           *ble education and training independently;*

3           *(2) assist the efforts of the International Atomic*  
4           *Energy Agency to expand the support provided by the*  
5           *International Atomic Energy Agency to embarking*  
6           *civil nuclear energy nations for nuclear safety, secu-*  
7           *rity, and safeguards;*

8           *(3) coordinate the work of the Chief Executive*  
9           *Officer of the United States International Develop-*  
10          *ment Finance Corporation to expand outreach to the*  
11          *private investment community to create public-pri-*  
12          *vate financing relationships to assist in the export of*  
13          *civil nuclear technology to embarking civil nuclear*  
14          *energy nations;*

15          *(4) seek to better coordinate, to the maximum ex-*  
16          *tent practicable, the work carried out by each of—*

17                 *(A) the Nuclear Regulatory Commission;*

18                 *(B) the Department of Energy;*

19                 *(C) the Department of Commerce;*

20                 *(D) the Nuclear Energy Agency;*

21                 *(E) the International Atomic Energy Agen-*  
22                 *cy; and*

23                 *(F) the nuclear regulatory agencies and or-*  
24                 *ganizations of embarking civil nuclear energy*  
25                 *nations and ally or partner nations; and*

1           (5) *improve the efficient and effective exporting*  
 2           *and importing of civil nuclear technologies and mate-*  
 3           *rials.*

4 **SEC. 5. COOPERATIVE FINANCING RELATIONSHIPS WITH**  
 5                           **ALLY OR PARTNER NATIONS AND EMBARKING**  
 6                           **CIVIL NUCLEAR ENERGY NATIONS.**

7           (a) *IN GENERAL.*—*The President shall designate an*  
 8           *appropriate White House official, who may be the Assistant*  
 9           *(if appointed), and the Chief Executive Officer of the United*  
 10           *States International Development Finance Corporation to*  
 11           *coordinate with the officials described in section 3(a)(2) to*  
 12           *develop, as the President determines to be appropriate, fi-*  
 13           *nancing relationships with ally or partner nations to ad-*  
 14           *vance civil nuclear exports from the United States or ally*  
 15           *or partner nations to embarking civil nuclear energy na-*  
 16           *tions.*

17           (b) *UNITED STATES COMPETITIVENESS CLAUSES.*—

18                   (1) *DEFINITION OF UNITED STATES COMPETI-*  
 19                   *TIVENESS CLAUSE.*—*In this subsection, the term*  
 20                   *“United States competitiveness clause” means any*  
 21                   *United States competitiveness provision in any agree-*  
 22                   *ment entered into by the Department of Energy, in-*  
 23                   *cluding—*

24                           (A) *a cooperative agreement;*

1                   (B) a cooperative research and development  
2                   agreement; and

3                   (C) a patent waiver.

4                   (2) *CONSIDERATION.*—*In carrying out subsection*  
5                   *(a), the relevant officials described in that subsection*  
6                   *shall consider the impact of United States competi-*  
7                   *tiveness clauses on any financing relationships en-*  
8                   *tered into or proposed to be entered into under that*  
9                   *subsection.*

10                  (3) *WAIVER.*—*The Secretary shall facilitate*  
11                  *waivers of United States competitiveness clauses as*  
12                  *necessary to facilitate financing relationships with*  
13                  *ally or partner nations under subsection (a).*

14 **SEC. 6. COOPERATION WITH ALLY OR PARTNER NATIONS**  
15                   **ON ADVANCED NUCLEAR REACTOR DEM-**  
16                   **ONSTRATION AND COOPERATIVE RESEARCH**  
17                   **FACILITIES FOR CIVIL NUCLEAR ENERGY.**

18                  (a) *IN GENERAL.*—*Not later than 2 years after the*  
19                  *date of enactment of this Act, the Secretary of State, in*  
20                  *coordination with the Secretary and the Secretary of Com-*  
21                  *merce, shall conduct bilateral and multilateral meetings*  
22                  *with not fewer than 5 ally or partner nations, with the aim*  
23                  *of enhancing nuclear energy cooperation among those ally*  
24                  *or partner nations and the United States, for the purpose*  
25                  *of developing collaborative relationships with respect to re-*

1 *search, development, licensing, and deployment of advanced*  
2 *nuclear reactor technologies for civil nuclear energy.*

3 (b) *REQUIREMENT.*—*The meetings described in sub-*  
4 *section (a) shall include—*

5 (1) *a focus on cooperation to demonstrate and*  
6 *deploy advanced nuclear reactors, with an emphasis*  
7 *on U.S. nuclear energy companies, during the 10-year*  
8 *period beginning on the date of enactment of this Act*  
9 *to provide options for addressing climate change by*  
10 *2050; and*

11 (2) *a focus on developing a memorandum of un-*  
12 *derstanding or any other appropriate agreement be-*  
13 *tween the United States and ally or partner nations*  
14 *with respect to—*

15 (A) *the demonstration and deployment of*  
16 *advanced nuclear reactors; and*

17 (B) *the development of cooperative research*  
18 *facilities.*

19 (c) *FINANCING ARRANGEMENTS.*—*In conducting the*  
20 *meetings described in subsection (a), the Secretary of State,*  
21 *in coordination with the Secretary and the Secretary of*  
22 *Commerce, shall seek to develop financing arrangements to*  
23 *share the costs of the demonstration and deployment of ad-*  
24 *vanced nuclear reactors and the development of cooperative*

1 *research facilities with the ally or partner nations partici-*  
 2 *pating in those meetings.*

3 *(d) REPORT.—Not later than 1 year after the date of*  
 4 *enactment of this Act, the Secretary, the Secretary of State,*  
 5 *and the Secretary of Commerce shall jointly submit to Con-*  
 6 *gress a report highlighting potential partners—*

7 *(1) for the establishment of cost-share arrange-*  
 8 *ments described in subsection (c); or*

9 *(2) with which the United States may enter into*  
 10 *agreements with respect to—*

11 *(A) the demonstration of advanced nuclear*  
 12 *reactors; or*

13 *(B) cooperative research facilities.*

14 **SEC. 7. INTERNATIONAL CIVIL NUCLEAR ENERGY CO-**  
 15 **OPERATION.**

16 *Section 959B of the Energy Policy Act of 2005 (42*  
 17 *U.S.C. 16279b) is amended—*

18 *(1) in the matter preceding paragraph (1), by*  
 19 *striking “The Secretary” and inserting the following:*  
 20 *“(a) IN GENERAL.—The Secretary”;*

21 *(2) in subsection (a) (as so designated)—*

22 *(A) in paragraph (1)—*

23 *(i) by striking “financing,”; and*

24 *(ii) by striking “and” after the semi-*  
 25 *colon at the end;*

1                   (B) in paragraph (2)—

2                   (i) in subparagraph (A), by striking  
3                   “preparations for”; and

4                   (ii) in subparagraph (C)(v), by strik-  
5                   ing the period at the end and inserting a  
6                   semicolon; and

7                   (C) by adding at the end the following:

8                   “(3) to support, in consultation with the Sec-  
9                   retary of State, the safe, secure, and peaceful use of  
10                  civil nuclear technology in countries developing nu-  
11                  clear energy programs, with a focus on countries that  
12                  have increased civil nuclear cooperation with the Rus-  
13                  sian Federation or the People’s Republic of China;  
14                  and

15                  “(4) to promote the fullest utilization of the reac-  
16                  tors, fuel, equipment, services, and technology of U.S.  
17                  nuclear energy companies (as defined in section 2 of  
18                  the International Nuclear Energy Act) in civil nu-  
19                  clear energy programs outside the United States  
20                  through—

21                  “(A) bilateral and multilateral arrange-  
22                  ments developed and executed in coordination  
23                  with the Secretary of State that contain commit-  
24                  ments for the utilization of the reactors, fuel,  
25                  equipment, services, and technology of U.S. nu-

1           *clear energy companies (as defined in that sec-*  
2           *tion);*

3           *“(B) the designation of 1 or more U.S. nu-*  
4           *clear energy companies (as defined in that sec-*  
5           *tion) to implement an arrangement under sub-*  
6           *paragraph (A) if the Secretary determines that*  
7           *the designation is necessary and appropriate to*  
8           *achieve the objectives of this section;*

9           *“(C) the waiver of any provision of law re-*  
10          *lating to competition with respect to any activ-*  
11          *ity related to an arrangement under subpara-*  
12          *graph (A) if the Secretary, in consultation with*  
13          *the Attorney General and the Secretary of Com-*  
14          *merce, determines that a waiver is necessary and*  
15          *appropriate to achieve the objectives of this sec-*  
16          *tion; and*

17          *“(D) the issuance of loans, loan guarantees,*  
18          *other financial assistance, or assistance in the*  
19          *form of an equity interest to carry out activities*  
20          *related to an arrangement under subparagraph*  
21          *(A), to the extent appropriated funds are avail-*  
22          *able.”; and*

23          *(3) by adding at the end the following:*

24          *“(b) REQUIREMENTS.—The program under subsection*  
25          *(a) shall—*

1           “(1) with respect to the function described in  
2 subsection (a)(3), be modeled after the International  
3 Military Education and Training program of the De-  
4 partment of State; and

5           “(2) be authorized and directed by the Secretary  
6 of State and implemented by the Secretary—

7           “(A) to facilitate, to the maximum extent  
8 practicable, workshops and expert-based ex-  
9 changes to engage industry, stakeholders, and  
10 foreign governments with respect to international  
11 civil nuclear issues, such as—

12                   “(i) training;

13                   “(ii) financing;

14                   “(iii) safety;

15                   “(iv) security;

16                   “(v) safeguards;

17                   “(vi) liability;

18                   “(vii) advanced fuels;

19                   “(viii) operations; and

20                   “(ix) options for multinational co-  
21 operation with respect to the disposal of  
22 spent nuclear fuel (as defined in section 2  
23 of the Nuclear Waste Policy Act of 1982 (42  
24 U.S.C. 10101)); and

25                   “(B) in coordination with—

1                   “(i) the National Security Council;  
2                   “(ii) the Secretary of State;  
3                   “(iii) the Secretary of Commerce; and  
4                   “(iv) the Nuclear Regulatory Commis-  
5                   sion.

6           “(c) *AUTHORIZATION OF APPROPRIATIONS.*—*There is*  
7 *authorized to be appropriated to the Secretary to carry out*  
8 *subsection (a)(3) \$15,500,000 for each of fiscal years 2023*  
9 *through 2027.”.*

10 **SEC. 8. INTERNATIONAL CIVIL NUCLEAR PROGRAM SUP-**  
11 **PORT.**

12           (a) *IN GENERAL.*—*Not later than 120 days after the*  
13 *date of enactment of this Act, the Secretary of State, in*  
14 *coordination with the Secretary and the Assistant (if ap-*  
15 *pointed), shall launch an international initiative (referred*  
16 *to in this section as the “initiative”) to provide financial*  
17 *assistance to, and facilitate the building of technical capac-*  
18 *ities by, in accordance with this section, embarking civil*  
19 *nuclear energy nations for activities relating to the develop-*  
20 *ment of civil nuclear energy programs.*

21           (b) *FINANCIAL ASSISTANCE.*—

22                 (1) *IN GENERAL.*—*In carrying out the initiative,*  
23 *the Secretary of State, in coordination with the Sec-*  
24 *retary and the Assistant (if appointed), may award*  
25 *grants of financial assistance to embarking civil nu-*

1       *clear energy nations in accordance with this sub-*  
2       *section—*

3               *(A) for activities relating to the development*  
4               *of civil nuclear energy programs; and*

5               *(B) to facilitate the building of technical ca-*  
6               *pacities for those activities.*

7               *(2) AMOUNT.—The amount of a grant of finan-*  
8               *cial assistance under paragraph (1) shall be not more*  
9               *than \$5,500,000.*

10              *(3) LIMITATIONS.—The Secretary of State, in co-*  
11              *ordination with the Secretary and the Assistant (if*  
12              *appointed), may award—*

13                      *(A) not more than 1 grant of financial as-*  
14                      *sistance under paragraph (1) to any 1 embark-*  
15                      *ing civil nuclear energy nation each fiscal year;*  
16                      *and*

17                      *(B) not more than a total of 5 grants of fi-*  
18                      *nancial assistance under paragraph (1) to any 1*  
19                      *embarking civil nuclear energy nation.*

20              *(c) SENIOR ADVISORS.—*

21                      *(1) IN GENERAL.—In carrying out the initiative,*  
22                      *the Secretary of State, in coordination with the Sec-*  
23                      *retary and the Assistant (if appointed), may provide*  
24                      *financial assistance to an embarking civil nuclear en-*  
25                      *ergy nation for the purpose of contracting with a*

1       *U.S. nuclear energy company to hire 1 or more senior*  
2       *advisors to assist the embarking civil nuclear energy*  
3       *nation in establishing a civil nuclear program.*

4               (2) *REQUIREMENT.—A senior advisor described*  
5       *in paragraph (1) shall have relevant experience and*  
6       *qualifications to advise the embarking civil nuclear*  
7       *energy nation on, and facilitate on behalf of the em-*  
8       *barking civil nuclear energy nation, 1 or more of the*  
9       *following activities:*

10               (A) *The development of financing relation-*  
11       *ships.*

12               (B) *The development of a standardized fi-*  
13       *nancing and project management framework for*  
14       *the construction of nuclear power plants.*

15               (C) *The development of a standardized li-*  
16       *censing framework for—*

17                       (i) *light water civil nuclear tech-*  
18       *nologies; and*

19                       (ii) *non-light water civil nuclear tech-*  
20       *nologies and advanced nuclear reactors.*

21               (D) *The identification of qualified organiza-*  
22       *tions and service providers.*

23               (E) *The identification of funds to support*  
24       *payment for services required to develop a civil*  
25       *nuclear program.*

1           (F) *Market analysis.*

2           (G) *The identification of the safety, secu-*  
3 *rity, safeguards, and nuclear governance re-*  
4 *quired for a civil nuclear program.*

5           (H) *Risk allocation, risk management, and*  
6 *nuclear liability.*

7           (I) *Technical assessments of nuclear reac-*  
8 *tors and technologies.*

9           (J) *The identification of actions necessary*  
10 *to participate in a global nuclear liability re-*  
11 *gime based on the Convention on Supplementary*  
12 *Compensation for Nuclear Damage, with Annex,*  
13 *done at Vienna September 12, 1997 (TIAS 15-*  
14 *415).*

15          (K) *Stakeholder engagement.*

16          (L) *Management of spent nuclear fuel and*  
17 *nuclear waste.*

18          (M) *Any other major activities to support*  
19 *the establishment of a civil nuclear program,*  
20 *such as the establishment of export, financing,*  
21 *construction, training, operations, and education*  
22 *requirements.*

23          (3) *CLARIFICATION.—Financial assistance under*  
24 *this subsection may be provided to an embarking civil*  
25 *nuclear energy nation in addition to any financial*

1        *assistance provided to that embarking civil nuclear*  
 2        *energy nation under subsection (b).*

3        *(d) LIMITATION ON ASSISTANCE TO EMBARKING CIVIL*  
 4        *NUCLEAR ENERGY NATIONS.—Not later than 1 year after*  
 5        *the date of enactment of this Act, the Offices of the Inspec-*  
 6        *tors General for the Department of State and the Depart-*  
 7        *ment of Energy shall coordinate—*

8                *(1) to establish and submit to the appropriate*  
 9                *committees of Congress a joint strategic plan to con-*  
 10              *duct comprehensive oversight of activities authorized*  
 11              *under this section to prevent fraud, waste, and abuse;*  
 12              *and*

13              *(2) to engage in independent and effective over-*  
 14              *sight of activities authorized under this section*  
 15              *through joint or individual audits, inspections, inves-*  
 16              *tigations, or evaluations.*

17        *(e) AUTHORIZATION OF APPROPRIATIONS.—There is*  
 18        *authorized to be appropriated to the Secretary of State to*  
 19        *carry out the initiative \$50,000,000 for each of fiscal years*  
 20        *2023 through 2027.*

21        **SEC. 9. BIENNIAL CABINET-LEVEL INTERNATIONAL CON-**  
 22                      **FERENCE ON NUCLEAR SAFETY, SECURITY,**  
 23                      **SAFEGUARDS, AND SUSTAINABILITY.**

24        *(a) IN GENERAL.—The President, in coordination*  
 25        *with international partners, as determined by the Presi-*

1 *dent, and industry, shall hold a biennial conference on civil*  
2 *nuclear safety, security, safeguards, and sustainability (re-*  
3 *ferred to in this section as a “conference”).*

4 *(b) CONFERENCE FUNCTIONS.—It is the sense of Con-*  
5 *gress that each conference should—*

6 *(1) be a forum in which ally or partner nations*  
7 *may engage with each other for the purpose of rein-*  
8 *forcing the commitment to—*

9 *(A) nuclear safety, security, safeguards, and*  
10 *sustainability;*

11 *(B) environmental safeguards; and*

12 *(C) local community engagement in areas*  
13 *in reasonable proximity to nuclear sites; and*

14 *(2) facilitate—*

15 *(A) the development of—*

16 *(i) joint commitments and goals to im-*  
17 *prove—*

18 *(I) nuclear safety, security, safe-*  
19 *guards, and sustainability;*

20 *(II) environmental safeguards;*  
21 *and*

22 *(III) local community engagement*  
23 *in areas in reasonable proximity to*  
24 *nuclear sites;*

- 1                   (ii) stronger international institutions  
2                   that support nuclear safety, security, safe-  
3                   guards, and sustainability;
- 4                   (iii) cooperative financing relation-  
5                   ships to promote competitive alternatives to  
6                   Chinese and Russian financing;
- 7                   (iv) a standardized financing and  
8                   project management framework for the con-  
9                   struction of civil nuclear power plants;
- 10                  (v) a standardized licensing framework  
11                  for civil nuclear technologies;
- 12                  (vi) a strategy to change internal poli-  
13                  cies of multinational development banks,  
14                  such as the World Bank, to support the fi-  
15                  nancing of civil nuclear projects;
- 16                  (vii) a document containing any les-  
17                  sons learned from countries that have  
18                  partnered with the Russian Federation or  
19                  the People's Republic of China with respect  
20                  to civil nuclear power, including any detri-  
21                  mental outcomes resulting from that part-  
22                  nership; and
- 23                  (viii) a global civil nuclear liability re-  
24                  gime;

1                   (B) cooperation for enhancing the overall  
2 aspects of civil nuclear power, such as—

3                   (i) nuclear safety, security, safeguards,  
4 and sustainability;

5                   (ii) nuclear laws (including regula-  
6 tions);

7                   (iii) waste management;

8                   (iv) quality management systems;

9                   (v) technology transfer;

10                  (vi) human resources development;

11                  (vii) localization;

12                  (viii) reactor operations;

13                  (ix) nuclear liability; and

14                  (x) decommissioning; and

15                  (C) the development and determination of  
16 the mechanisms described in paragraphs (7) and  
17 (8) of section 10(a), if the President intends to  
18 establish an Advanced Reactor Coordination and  
19 Resource Center as described in that section.

20                  (c) *INPUT FROM INDUSTRY AND GOVERNMENT.*—It is  
21 the sense of Congress that each conference should include  
22 a meeting that convenes nuclear industry leaders and lead-  
23 ers of government agencies with expertise relating to nu-  
24 clear safety, security, safeguards, or sustainability to dis-  
25 cuss best practices relating to—



1           (C) to develop a standardized model for the  
2           establishment of a civil nuclear program that  
3           can be used by the International Atomic Energy  
4           Agency;

5           (2) coordinating with countries participating in  
6           the Center and with the Nuclear Exports Working  
7           Group established under section 3(b)—

8           (A) to identify funds to support payment  
9           for services required to develop a civil nuclear  
10          program;

11          (B) to provide market analysis; and

12          (C) to create—

13               (i) project structure models;

14               (ii) models for electricity market anal-  
15               ysis;

16               (iii) models for nonelectric applica-  
17               tions market analysis; and

18               (iv) financial models;

19          (3) identifying and developing the safety, secu-  
20          rity, safeguards, and nuclear governance required for  
21          a civil nuclear program;

22          (4) supporting multinational regulatory stand-  
23          ards to be developed by countries with civil nuclear  
24          programs and experience;



1 tence, by inserting “for a production facility” after “No li-  
2 cense”.

3 **SEC. 12. STRATEGIC INFRASTRUCTURE FUND WORKING**  
4 **GROUP.**

5 (a) *ESTABLISHMENT.*—*There is established a working*  
6 *group, to be known as the “Strategic Infrastructure Fund*  
7 *Working Group” (referred to in this section as the “working*  
8 *group”).*

9 (b) *COMPOSITION.*—*The working group shall be—*

10 (1) *led by a White House official, who may be*  
11 *the Assistant (if appointed), who shall serve as the*  
12 *White House focal point with respect to matters relat-*  
13 *ing to the working group; and*

14 (2) *composed of—*

15 (A) *senior-level Federal officials, selected by*  
16 *the head of the applicable Federal agency or or-*  
17 *ganization, from—*

18 (i) *the Department of State;*

19 (ii) *the Department of the Treasury;*

20 (iii) *the Department of Commerce;*

21 (iv) *the Department of Energy;*

22 (v) *the Export-Import Bank of the*  
23 *United States;*

24 (vi) *the United States International*  
25 *Development Finance Corporation; and*

1                   (vii) the Nuclear Regulatory Commis-  
2                   sion;

3                   (B) other senior-level Federal officials, se-  
4                   lected by the head of the applicable Federal agen-  
5                   cy or organization, from any other Federal agen-  
6                   cy or organization that the Secretary determines  
7                   to be appropriate; and

8                   (C) any senior-level Federal official selected  
9                   by the White House official described in para-  
10                  graph (1) from any Federal agency or organiza-  
11                  tion.

12               (c) *REPORTING.*—The working group shall report to  
13               the National Security Council.

14               (d) *DUTIES.*—The working group shall—

15                   (1) provide direction and advice to the officials  
16                   described in section 3(a)(2)(A) and appropriate Fed-  
17                   eral agencies, as determined by the working group,  
18                   with respect to the establishment of a Strategic Infra-  
19                   structure Fund (referred to in this subsection as the  
20                   “Fund”) to be used—

21                           (A) to support those aspects of projects re-  
22                           lating to—

23                                   (i) civil nuclear technologies;

24                                   (ii) rare earth elements and critical  
25                                   minerals (as defined in section 7002(a) of

1           *the Energy Act of 2020 (30 U.S.C.*  
2           *1606(a)); and*

3                   *(iii) microprocessors; and*

4                   *(B) for strategic investments identified by*  
5           *the working group; and*

6           (2) *address critical areas in determining the ap-*  
7           *propriate design for the Fund, including—*

8                   *(A) transfer of assets to the Fund;*

9                   *(B) transfer of assets from the Fund;*

10                  *(C) how assets in the Fund should be in-*  
11           *vested; and*

12                  *(D) governance and implementation of the*  
13           *Fund.*

14           (e) *REPORT REQUIRED.—*

15                  (1) *IN GENERAL.—Not later than 1 year after*  
16           *the date of the enactment of this Act, the working*  
17           *group shall submit to the committees described in*  
18           *paragraph (2) a report on the findings of the working*  
19           *group that includes suggested legislative text for how*  
20           *to establish and structure a Strategic Infrastructure*  
21           *Fund.*

22                  (2) *COMMITTEES DESCRIBED.—The committees*  
23           *referred to in paragraph (1) are—*

24                    (A) *the Committee on Foreign Relations, the*  
25            *Committee on Commerce, Science, and Transpor-*

1            *tation, the Committee on Armed Services, the*  
2            *Committee on Energy and Natural Resources,*  
3            *the Committee on Environment and Public*  
4            *Works, and the Committee on Finance of the*  
5            *Senate; and*

6                    *(B) the Committee on Foreign Affairs, the*  
7            *Committee on Energy and Commerce, the Com-*  
8            *mittee on Armed Services, the Committee on*  
9            *Science, Space, and Technology, and the Com-*  
10           *mittee on Ways and Means of the House of Rep-*  
11           *resentatives.*

12            *(3) ADMINISTRATION OF THE FUND.—The report*  
13           *submitted under paragraph (1) shall include sug-*  
14           *gested legislative language requiring all expenditures*  
15           *from a Strategic Infrastructure Fund established in*  
16           *accordance with this section to be administered by the*  
17           *Secretary of State (or a designee of the Secretary of*  
18           *State).*

19    **SEC. 13. BRIEFINGS ON SAFETY AND SECURITY OF NEW EX-**  
20                    **PORTS OF ADVANCED NUCLEAR REACTORS.**

21            *Before the United States may export an advanced nu-*  
22           *clear reactor to a country that has not previously received*  
23           *an advanced nuclear reactor from the United States, the*  
24           *Secretary, in coordination with the Secretary of State, shall*

1 *provide a briefing to the appropriate committees of Con-*  
2 *gress that addresses whether the country—*

3 *(1) is technically equipped to safely operate and*  
4 *maintain the advanced nuclear reactor; and*

5 *(2) has a transparency plan in place for over-*  
6 *sight of any assistance received from the United*  
7 *States Government for the purpose of purchasing the*  
8 *advanced nuclear reactor.*

9 **SEC. 14. ENSURING CONTINUED SAFETY AND SECURITY**

10 **OVERSIGHT OF ENHANCED ENERGY CO-**  
11 **OPERATION.**

12 *(a) BRIEFING REQUIRED.—*

13 *(1) IN GENERAL.—Not later than 60 days after*  
14 *the date of the enactment of this Act, the Secretary of*  
15 *State, the Secretary of Defense, and the Secretary*  
16 *shall jointly brief the committees of Congress described*  
17 *in paragraph (2) on the procedures being used to*  
18 *mitigate any nuclear proliferation risks of—*

19 *(A) any recommendations for enhanced en-*  
20 *ergy cooperation that may emerge from the meet-*  
21 *ings described in section 6(a); or*

22 *(B) any new exports of advanced nuclear*  
23 *reactors.*

1           (2) *COMMITTEES OF CONGRESS DESCRIBED.*—

2           *The committees of Congress referred to in paragraph*

3           (1) *are—*

4                     (A) *the Committees on Foreign Relations,*  
5                     *Energy and Natural Resources, and Armed Serv-*  
6                     *ices of the Senate; and*

7                     (B) *the Committees on Foreign Affairs, En-*  
8                     *ergy and Commerce, and Armed Services of the*  
9                     *House of Representatives.*

10          (b) *PROHIBITION ON EXPORTS OF NUCLEAR REAC-*  
11          *TORS TO CERTAIN COUNTRIES.*—*On and after the date of*  
12          *the enactment of this Act, an advanced nuclear reactor may*  
13          *not be exported from the United States to a country unless*  
14          *that country—*

15                     (1) *has signed an additional protocol to its com-*  
16                     *prehensive safeguards agreement with the Inter-*  
17                     *national Atomic Energy Agency; or*

18                     (2) *has put in place a comprehensive safeguards*  
19                     *agreement and is working toward signing an addi-*  
20                     *tional protocol with the International Atomic Energy*  
21                     *Agency.*

1 **SEC. 15. JOINT ASSESSMENT BETWEEN THE UNITED**  
2 **STATES AND INDIA ON NUCLEAR LIABILITY**  
3 **RULES.**

4 (a) *IN GENERAL.*—*The Secretary of State, in consulta-*  
5 *tion with the heads of other relevant Federal departments*  
6 *and agencies, shall establish and maintain within the U.S.-*  
7 *India Strategic Security Dialogue a joint consultative*  
8 *mechanism with the Government of the Republic of India*  
9 *that convenes on a recurring basis—*

10 (1) *to assess the implementation of the Agree-*  
11 *ment for Cooperation between the Government of the*  
12 *United States of America and the Government of*  
13 *India Concerning Peaceful Uses of Nuclear Energy,*  
14 *signed at Washington October 10, 2008 (TIAS 08-*  
15 *1206);*

16 (2) *to discuss opportunities for the Republic of*  
17 *India to align domestic nuclear liability rules with*  
18 *international norms; and*

19 (3) *to develop a strategy for the United States*  
20 *and the Republic of India to pursue bilateral and*  
21 *multilateral diplomatic engagements related to ana-*  
22 *lyzing and implementing those opportunities.*

23 (b) *REPORT.*—*Not later than 180 days after the date*  
24 *of the enactment of this Act, and annually thereafter for*  
25 *5 years, the Secretary of State, in consultation with the*  
26 *heads of other relevant Federal departments and agencies,*

1 *shall submit to the appropriate committees of Congress a*  
2 *report that describes the joint assessment developed pursu-*  
3 *ant to subsection (a)(1).*

4 **SEC. 16. LESSONS LEARNED FROM THE ZAPORIZHZHIA NU-**  
5 **CLEAR POWER PLANT.**

6 (a) *BRIEFING.*—

7 (1) *IN GENERAL.*—*Not later than 60 days after*  
8 *the date of enactment of this Act, the Secretary of*  
9 *State shall provide a briefing to the appropriate com-*  
10 *mittees of Congress regarding the capture of the*  
11 *Zaporizhzhia nuclear power plant by Russian armed*  
12 *forces.*

13 (2) *REQUIREMENTS.*—*The briefing required by*  
14 *paragraph (1) shall focus on—*

15 (A) *events leading up to the capture of the*  
16 *Zaporizhzhia nuclear power plant by Russian*  
17 *armed forces;*

18 (B) *ongoing efforts to ensure the continued*  
19 *operation of the reactor and the safety and secu-*  
20 *rity of the plant;*

21 (C) *efforts to mitigate potential risks to the*  
22 *surrounding civilian population; and*

23 (D) *any safety and security measures im-*  
24 *plemented since the capture.*

25 (b) *REPORT.*—

1           (1) *IN GENERAL.*—Not later than 120 days after  
2           the date of enactment of this Act, the Secretary of  
3           State shall submit to the appropriate committees of  
4           Congress a report outlining lessons learned from at-  
5           tacks on the Zaporizhzhia nuclear power plant, in-  
6           cluding—

7                     (A) the efforts to ensure the safety and secu-  
8                     rity of the Zaporizhzhia nuclear power plant;

9                     (B) how those lessons can be applied to  
10                    other nuclear sites in Ukraine while there is an  
11                    ongoing threat of armed conflict in Ukraine; and

12                    (C) how those lessons could apply to other  
13                    nuclear power plants in the event of armed con-  
14                    flict.

15           (2) *FORM OF REPORT.*—The report required by  
16           paragraph (1) shall be submitted in unclassified form  
17           but may include a classified annex.



Calendar No. 604

117<sup>TH</sup> CONGRESS  
2<sup>D</sup> SESSION

**S. 4064**

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**A BILL**

To facilitate the development of a whole-of-government strategy for nuclear cooperation and nuclear exports.

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DECEMBER 7, 2022

Reported with an amendment