

111TH CONGRESS
2D SESSION

H. R. 5866

IN THE SENATE OF THE UNITED STATES

DECEMBER 1, 2010

Received; read twice and referred to the Committee on Energy and Natural
Resources

AN ACT

To amend the Energy Policy Act of 2005 requiring the Secretary of Energy to carry out initiatives to advance innovation in nuclear energy technologies, to make nuclear energy systems more competitive, to increase efficiency and safety of civilian nuclear power, and for other purposes.

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

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Nuclear Energy Re-
5 search and Development Act of 2010”.

6 **SEC. 2. OBJECTIVES.**

7 Section 951(a) of the Energy Policy Act of 2005 (42
8 U.S.C. 16271(a)) is amended—

9 (1) by redesignating paragraphs (2) through
10 (8) as paragraphs (5) through (11), respectively;

11 (2) by inserting after paragraph (1) the fol-
12 lowing new paragraphs:

13 “(2) Reducing the costs of nuclear reactor sys-
14 tems.

15 “(3) Reducing used nuclear fuel and nuclear
16 waste products generated by civilian nuclear energy.

17 “(4) Supporting technological advances in areas
18 that industry by itself is not likely to undertake be-
19 cause of technical and financial uncertainty.”; and

20 (3) by inserting after paragraph (11), as so re-
21 designated, the following new paragraph:

22 “(12) Researching and developing technologies
23 and processes so as to improve and streamline the
24 process by which nuclear power systems meet Fed-
25 eral and State requirements and standards.”.

1 **SEC. 3. FUNDING.**

2 Section 951 of the Energy Policy Act of 2005 (42
3 U.S.C. 16271) is further amended—

4 (1) in subsection (b), by striking paragraphs
5 (1) through (3) and inserting the following:

6 “(1) \$419,000,000 for fiscal year 2011;

7 “(2) \$429,000,000 for fiscal year 2012; and

8 “(3) \$439,000,000 for fiscal year 2013.”; and

9 (2) in subsection (d)—

10 (A) by striking “under subsection (a)” and
11 inserting “under subsection (b)”;

12 (B) by amending paragraph (1) to read as
13 follows:

14 “(1) For activities under section 953—

15 “(A) \$201,000,000 for fiscal year 2011;

16 “(B) \$201,000,000 for fiscal year 2012;

17 and

18 “(C) \$201,000,000 for fiscal year 2013.”;

19 and

20 (C) by inserting after paragraph (3) the
21 following new paragraphs:

22 “(4) For activities under section 952, other
23 than those described in section 952(d)—

24 “(A) \$64,000,000 for fiscal year 2011;

25 “(B) \$64,000,000 for fiscal year 2012; and

26 “(C) \$64,000,000 for fiscal year 2013.

- 1 “(5) For activities under section 952(d)—
2 “(A) \$55,000,000 for fiscal year 2011;
3 “(B) \$65,000,000 for fiscal year 2012; and
4 “(C) \$75,000,000 for fiscal year 2013.
5 “(6) For activities under section 958—
6 “(A) \$99,000,000 for fiscal year 2011;
7 “(B) \$99,000,000 for fiscal year 2012; and
8 “(C) \$99,000,000 for fiscal year 2013.”.

9 **SEC. 4. PROGRAM OBJECTIVES STUDY.**

10 Section 951 of the Energy Policy Act of 2005 (42
11 U.S.C. 16271) is amended by adding at the end the fol-
12 lowing new subsection:

13 “(f) PROGRAM OBJECTIVES STUDY.—In furtherance
14 of the program objectives listed in subsection (a) of this
15 section, the Secretary shall, within one year after the date
16 of enactment of this subsection, transmit to the Congress
17 a report on the results of a study on the scientific and
18 technical merit of major State requirements and stand-
19 ards, including moratoria, that delay or impede the further
20 development and commercialization of nuclear power, and
21 how the Department in implementing the programs can
22 assist in overcoming such delays or impediments.”.

1 **SEC. 5. NUCLEAR ENERGY RESEARCH AND DEVELOPMENT**
2 **PROGRAMS.**

3 Section 952 of the Energy Policy Act of 2005 (42
4 U.S.C. 16272) is amended by striking subsections (c)
5 through (e) and inserting the following:

6 “(c) REACTOR CONCEPTS.—

7 “(1) IN GENERAL.—The Secretary shall carry
8 out a program of research, development, demonstra-
9 tion, and commercial application to advance nuclear
10 power systems as well as technologies to sustain cur-
11 rently deployed systems.

12 “(2) DESIGNS AND TECHNOLOGIES.—In con-
13 ducting the program under this subsection, the Sec-
14 retary shall examine advanced reactor designs and
15 nuclear technologies, including those that—

16 “(A) are economically competitive with
17 other electric power generation plants;

18 “(B) have higher efficiency, lower cost, and
19 improved safety compared to reactors in oper-
20 ation as of the date of enactment of the Nu-
21 clear Energy Research and Development Act of
22 2010;

23 “(C) utilize passive safety features;

24 “(D) minimize proliferation risks;

25 “(E) substantially reduce production of
26 high-level waste per unit of output;

1 “(F) increase the life and sustainability of
2 reactor systems currently deployed;

3 “(G) use improved instrumentation;

4 “(H) are capable of producing large-scale
5 quantities of hydrogen or process heat; or

6 “(I) minimize water usage or use alter-
7 natives to water as a cooling mechanism.

8 “(3) INTERNATIONAL COOPERATION.—In car-
9 rying out the program under this subsection, the
10 Secretary shall seek opportunities to enhance the
11 progress of the program through international co-
12 operation through such organizations as the Genera-
13 tion IV International Forum, or any other inter-
14 national collaboration the Secretary considers appro-
15 priate.

16 “(4) EXCEPTIONS.—No funds authorized to be
17 appropriated to carry out the activities described in
18 this subsection shall be used to fund the activities
19 authorized under sections 641 through 645.”.

20 **SEC. 6. SMALL MODULAR REACTOR PROGRAM.**

21 Section 952 of the Energy Policy Act of 2005 (42
22 U.S.C. 16272) is further amended by adding at the end
23 the following new subsection:

24 “(d) SMALL MODULAR REACTOR PROGRAM.—

25 “(1) IN GENERAL.—

1 “(A) The Secretary shall carry out a small
2 modular reactor program to promote research,
3 development, demonstration, and commercial
4 application of small modular reactors, including
5 through cost-shared projects for commercial ap-
6 plication of reactor systems designs.

7 “(B) The Secretary shall consult with and
8 utilize the expertise of the Secretary of the
9 Navy in establishing and carrying out such pro-
10 gram.

11 “(C) Activities may also include develop-
12 ment of advanced computer modeling and sim-
13 ulation tools, by Federal and non-Federal enti-
14 ties, which demonstrate and validate new design
15 capabilities of innovative small modular reactor
16 designs.

17 “(2) DEFINITION.—For the purposes of this
18 subsection, the term ‘small modular reactor’ means
19 a nuclear reactor—

20 “(A) with a rated capacity of less than 300
21 electrical megawatts;

22 “(B) with respect to which most parts can
23 be factory assembled and shipped as modules to
24 a reactor plant site for assembly; and

1 “(C) that can be constructed and operated
2 in combination with similar reactors at a single
3 site.

4 “(3) LIMITATION.—Demonstration activities
5 carried out under this section shall be limited to in-
6 dividual technologies and systems, and shall not in-
7 clude demonstration of full reactor systems or full
8 plant operations.

9 “(4) ADMINISTRATION.—In conducting the
10 small modular reactor program, the Secretary may
11 enter into cooperative agreements to support small
12 modular reactor designs that enable—

13 “(A) lower capital costs or increased access
14 to private financing in comparison to current
15 large reactor designs;

16 “(B) reduced long-term radiotoxicity,
17 mass, or decay heat of the nuclear waste pro-
18 duced by generation;

19 “(C) increased operating safety of nuclear
20 facilities;

21 “(D) reduced dependence of reactor sys-
22 tems on water resources;

23 “(E) increased seismic resistance of nu-
24 clear generation;

1 “(F) reduced proliferation risks through
2 integrated safeguards and security proliferation
3 controls; and

4 “(G) increased efficiency in reactor manu-
5 facturing and construction.

6 “(5) APPLICATION.—To be eligible to enter into
7 a cooperative agreement with the Secretary under
8 this subsection, an applicant shall submit to the Sec-
9 retary a proposal for the small modular reactor
10 project to be undertaken. The proposal shall docu-
11 ment—

12 “(A) all partners and suppliers that will be
13 active in the small modular reactor project, in-
14 cluding a description of each partner or sup-
15 plier’s anticipated domestic and international
16 activities;

17 “(B) measures to be undertaken to enable
18 cost-effective implementation of the small mod-
19 ular reactor project;

20 “(C) an accounting structure approved by
21 the Secretary;

22 “(D) all known assets that shall be con-
23 tributed to satisfy the cost-sharing requirement
24 under paragraph (6); and

1 “(E) the extent to which the proposal will
2 increase domestic manufacturing activity, ex-
3 ports, or employment.

4 “(6) COST SHARING.—Notwithstanding section
5 988, the Secretary shall require the parties to a co-
6 operative agreement under this subsection to be re-
7 sponsible for not less than 50 percent of the costs
8 of the small modular reactor project.

9 “(7) CALCULATION OF COST SHARING
10 AMOUNT.—A recipient of financial assistance under
11 this section may not satisfy the cost sharing require-
12 ment under paragraph (6) by using funds received
13 from the Federal Government through appropriation
14 Acts.

15 “(8) PROJECT SELECTION CRITERIA.—The Sec-
16 retary shall consider the following factors in entering
17 into a cooperative agreement under this subsection:

18 “(A) The domestic manufacturing capabili-
19 ties of the parties to the cooperative agreement
20 and their partners and suppliers.

21 “(B) The viability of the reactor design
22 and the business plan or plans of the parties to
23 the cooperative agreement.

24 “(C) The parties to the cooperative agree-
25 ment’s potential to continue the development of

1 small modular reactors without Federal sub-
2 sidies or loan guarantees.

3 “(D) The cost share to be provided.

4 “(E) The degree to which the following
5 goals will be advanced:

6 “(i) Lower capital costs or increased
7 access to private financing in comparison
8 to current large reactor designs.

9 “(ii) Reduced long-term radiotoxicity,
10 mass, or decay heat of the nuclear waste
11 produced by generation.

12 “(iii) Increased operating safety of
13 nuclear facilities.

14 “(iv) Reduced dependence of reactor
15 systems on water resources.

16 “(v) Increased seismic resistance of
17 nuclear generation.

18 “(vi) Reduced proliferation risks
19 through integrated safeguards and security
20 proliferation controls.

21 “(vii) Increased efficiency in reactor
22 manufacturing and construction.”.

1 **SEC. 7. CONVENTIONAL IMPROVEMENTS TO NUCLEAR**
2 **POWER PLANTS.**

3 Section 952 of the Energy Policy Act of 2005 (42
4 U.S.C. 16272) is further amended by adding at the end
5 the following new subsection:

6 “(e) CONVENTIONAL IMPROVEMENTS TO NUCLEAR
7 POWER PLANTS.—

8 “(1) IN GENERAL.—The Secretary may carry
9 out a Nuclear Energy Research Initiative for re-
10 search and development related to steam-side im-
11 provements to nuclear power plants to promote the
12 research, development, demonstration, and commer-
13 cial application of—

14 “(A) cooling systems;

15 “(B) turbine technologies;

16 “(C) heat exchangers and pump design;

17 “(D) special coatings to improve lifetime of
18 components and performance of heat exchang-
19 ers; and

20 “(E) advanced power conversion systems
21 for advanced reactor technologies.

22 “(2) ADMINISTRATION.—The Secretary may
23 undertake initiatives under this subsection only when
24 the goals are relevant and proper to enhance the
25 performance of technologies developed under sub-
26 section (c). Not more than \$10,000,000 of funds au-

1 thorized for this section may be used for carrying
2 out this subsection.”.

3 **SEC. 8. FUEL CYCLE RESEARCH AND DEVELOPMENT.**

4 (a) AMENDMENTS.—Section 953 of the Energy Pol-
5 icy Act of 2005 (42 U.S.C. 16273) is amended—

6 (1) in the section heading by striking “**AD-**
7 **VANCED FUEL CYCLE INITIATIVE**” and inserting
8 “**FUEL CYCLE RESEARCH AND DEVELOPMENT**”;

9 (2) by striking subsection (a);

10 (3) by redesignating subsections (b) through (d)
11 as subsections (e) through (g), respectively; and

12 (4) by inserting before subsection (e), as so re-
13 designated by paragraph (3) of this subsection, the
14 following new subsections:

15 “(a) IN GENERAL.—The Secretary shall conduct a
16 fuel cycle research, development, demonstration, and com-
17 mercial application program (referred to in this section as
18 the ‘program’) on fuel cycle options that improve uranium
19 resource utilization, maximize energy generation, minimize
20 nuclear waste creation, improve safety, mitigate risk of
21 proliferation, and improve waste management in support
22 of a national strategy for spent nuclear fuel and the reac-
23 tor concepts research, development, demonstration, and
24 commercial application program under section 952(c).

1 “(b) FUEL CYCLE OPTIONS.—Under this section the
2 Secretary may consider implementing the following initia-
3 tives:

4 “(1) OPEN CYCLE.—Developing fuels, including
5 the use of nonuranium materials, for use in reactors
6 that increase energy generation and minimize the
7 amount of nuclear waste produced in an open fuel
8 cycle.

9 “(2) MODIFIED OPEN CYCLE.—Developing fuel
10 forms, reactors, and limited separation and trans-
11 mutation methods that increase fuel utilization and
12 reduce nuclear waste in a modified open fuel cycle.

13 “(3) FULL RECYCLE.—Developing advanced re-
14 cycling technologies, including Generation IV Reac-
15 tors, to reduce the risk of proliferation, radiotoxicity,
16 mass, and decay heat to the greatest extent possible.

17 “(4) ADVANCED STORAGE METHODS.—Devel-
18 oping advanced storage technologies for both onsite
19 and long-term storage that substantially prolong the
20 effective life of current storage devices or that sub-
21 stantially improve upon existing nuclear waste stor-
22 age technologies and methods, including repositories.

23 “(5) ALTERNATIVE AND DEEP BOREHOLE
24 STORAGE METHODS.—Developing alternative storage
25 methods for long-term storage, including deep

1 boreholes into stable crystalline rock formations and
2 mined repositories in a range of geologic media.

3 “(6) OTHER TECHNOLOGIES.—Developing any
4 other technology or initiative that the Secretary de-
5 termines is likely to advance the objectives of the
6 program established under subsection (a).

7 “(c) ADDITIONAL ADVANCED RECYCLING AND
8 CROSSCUTTING ACTIVITIES.—In addition to and in sup-
9 port of the specific initiatives described in paragraphs (1)
10 through (6), the Secretary may support the following ac-
11 tivities:

12 “(1) Development and testing of integrated
13 process flow sheets for advanced nuclear fuel recy-
14 cling processes.

15 “(2) Research to characterize the byproducts
16 and waste streams resulting from fuel recycling
17 processes.

18 “(3) Research and development on reactor con-
19 cepts or transmutation technologies that improve re-
20 source utilization or reduce the radiotoxicity of waste
21 streams.

22 “(4) Research and development on waste treat-
23 ment processes and separations technologies, ad-
24 vanced waste forms, and quantification of prolifera-
25 tion risks.

1 “(5) Identification and evaluation of test and
2 experimental facilities necessary to successfully im-
3 plement the advanced fuel cycle initiative.

4 “(6) Advancement of fuel cycle-related modeling
5 and simulation capabilities.

6 “(d) BLUE RIBBON COMMISSION REPORT.—

7 “(1) In carrying out this section, the Secretary
8 shall give consideration to the final report on a long-
9 term nuclear waste solution produced by the Blue
10 Ribbon Commission on America’s Nuclear Future.

11 “(2) Not later than 180 days after the release
12 of the Blue Ribbon Commission on America’s Nu-
13 clear Future final report, the Secretary shall trans-
14 mit to Congress a report, which shall include—

15 “(A) any plans the Department may have
16 to incorporate any relevant recommendations
17 from this report into the program; and

18 “(B) how those recommendations for long-
19 term nuclear waste solutions that will be incor-
20 porated into the plan compare with plans for a
21 long-term nuclear waste solution of a repository
22 at Yucca Mountain, that may or may not be in-
23 corporated into the plan, with regard to the
24 safety, security, legal, cost, and technological
25 and site readiness factors associated with any

1 recommendations related to final disposition
2 pathways for spent nuclear fuel and high-level
3 radioactive waste to the same factors associated
4 with permanent deep geological disposal at the
5 Yucca Mountain waste repository.

6 “(3) The analysis described in paragraph
7 (2)(B) shall be conducted using scientific and tech-
8 nical materials and information used to support pol-
9 icy actions related to the Yucca Mountain project.”.

10 (b) CONFORMING AMENDMENT.—The item relating
11 to section 953 in the table of contents of the Energy Policy
12 Act of 2005 is amended to read as follows:

“Sec. 953. Fuel cycle research and development.”.

13 **SEC. 9. NUCLEAR ENERGY ENABLING TECHNOLOGIES PRO-**
14 **GRAM.**

15 (a) AMENDMENT.—Subtitle E of title IX of the En-
16 ergy Policy Act of 2005 (42 U.S.C. 16271 et seq.) is
17 amended by adding at the following new section:

18 **“SEC. 958. NUCLEAR ENERGY ENABLING TECHNOLOGIES.**

19 “(a) IN GENERAL.—The Secretary shall conduct a
20 program to support the integration of activities under-
21 taken through the reactor concepts research, development,
22 demonstration, and commercial application program under
23 section 952(c) and the fuel cycle research and development
24 program under section 953, and support crosscutting nu-
25 clear energy concepts. Activities commenced under this

1 section shall be concentrated on broadly applicable re-
2 search and development focus areas.

3 “(b) ACTIVITIES.—Activities conducted under this
4 section may include research involving—

5 “(1) advanced reactor materials;

6 “(2) advanced radiation mitigation methods;

7 “(3) advanced proliferation and security risk
8 assessment methods;

9 “(4) advanced sensors and instrumentation;

10 “(5) advanced nuclear manufacturing methods;

11 or

12 “(6) any crosscutting technology or trans-
13 formative concept aimed at establishing substantial
14 and revolutionary enhancements in the performance
15 of future nuclear energy systems that the Secretary
16 considers relevant and appropriate to the purpose of
17 this section.

18 “(c) REPORT.—The Secretary shall submit, as part
19 of the annual budget submission of the Department, a re-
20 port on the activities of the program conducted under this
21 section, which shall include a brief evaluation of each ac-
22 tivity’s progress.”.

23 (b) CONFORMING AMENDMENT.—The table of con-
24 tents of the Energy Policy Act of 2005 is amended by

1 adding at the end of the items for subtitle E of title IX
2 the following new item:

“Sec. 958. Nuclear energy enabling technologies.”.

3 **SEC. 10. EMERGENCY RISK ASSESSMENT AND PREPARED-**
4 **NESS REPORT.**

5 Not later than 180 days after the date of enactment
6 of this Act, the Secretary shall transmit to the Congress
7 a report summarizing quantitative risks associated with
8 the potential of a severe accident arising from the use of
9 civilian nuclear energy technology, including reactor tech-
10 nology deployed or likely to be deployed as of the date
11 of enactment of this Act, and outlining the technologies
12 currently available to mitigate the consequences of such
13 an accident. The report shall include recommendations of
14 areas of technological development that should be pursued
15 to reduce the potential public harm arising from such an
16 incident.

17 **SEC. 11. NEXT GENERATION NUCLEAR PLANT.**

18 (a) PROTOTYPE PLANT LOCATION.—Section
19 642(b)(3) of the Energy Policy Act of 2005 (42 U.S.C.
20 16022(b)(3)) is amended to read as follows:

21 “(3) PROTOTYPE PLANT LOCATION.—The pro-
22 totype nuclear reactor and associated plant shall be
23 constructed at a location determined by the consor-
24 tium through an open and transparent competitive
25 selection process.”.

1 (b) REPORT.—

2 (1) REQUIREMENT.—Not later than 1 year
3 after the date of enactment of this Act, the Comp-
4 troller General shall transmit to the Congress a re-
5 port providing a status update of the Next Genera-
6 tion Nuclear Plant program that provides analysis
7 of—

8 (A) its progress;

9 (B) how Federal funds appropriated for
10 the project have been distributed and spent;
11 and

12 (C) the current and expected participation
13 by non-Federal entities.

14 (2) CONTENTS.—The report shall include—

15 (A) an analysis of the proposed facility's
16 technical capabilities and remaining techno-
17 logical development challenges, and a cost esti-
18 mate and construction schedule;

19 (B) an assessment of the advantages and
20 disadvantages of funding a pilot-scale research
21 reactor project in lieu of a full-scale commercial
22 power reactor;

23 (C) an assessment of alternative construc-
24 tion sites proposed by private industry;

1 (D) an assessment of the extent to which
2 the Department of Energy is working with in-
3 dustry and the Nuclear Regulatory Commission
4 to ensure that the Next Generation Nuclear
5 Plant program meets industry expectations for
6 long-term application of technologies and ad-
7 dresses potential licensing procedures for de-
8 ployment;

9 (E) an assessment of the known or antici-
10 pated challenges to securing private non-Fed-
11 eral cost share funds and any measures to over-
12 come these challenges, including any alternative
13 funding approaches such as front loading the
14 Federal share;

15 (F) an assessment of project risks, includ-
16 ing those related to—

17 (i) project scope, schedule, and re-
18 sources;

19 (ii) the formation of partnerships or
20 agreements between the Department and
21 the private sector necessary for the
22 project's success; and

23 (iii) the Department's capabilities to
24 identify and manage such risks; and

1 (G) an assessment of what is known about
2 the potential impact of natural gas and other
3 fossil fuel prices on private entity participation
4 in the project.

5 **SEC. 12. TECHNICAL STANDARDS COLLABORATION.**

6 (a) IN GENERAL.—The Director of the National In-
7 stitute of Standards and Technology shall establish a nu-
8 clear energy standards committee (in this section referred
9 to as the “technical standards committee”) to facilitate
10 and support, consistent with the National Technology
11 Transfer and Advancement Act of 1995, the development
12 or revision of technical standards for new and existing nu-
13 clear power plants and advanced nuclear technologies.

14 (b) MEMBERSHIP.—

15 (1) IN GENERAL.—The technical standards
16 committee shall include representatives from appro-
17 priate Federal agencies and the private sector, and
18 be open to materially affected organizations involved
19 in the development or application of nuclear energy-
20 related standards.

21 (2) CO-CHAIRS.—The technical standards com-
22 mittee shall be co-chaired by a representative from
23 the National Institute of Standards and Technology
24 and a representative from a private sector standards
25 organization.

1 (c) DUTIES.—The technical standards committee
2 shall, in cooperation with appropriate Federal agencies—

3 (1) perform a needs assessment to identify and
4 evaluate the technical standards that are needed to
5 support nuclear energy, including those needed to
6 support new and existing nuclear power plants and
7 advanced nuclear technologies;

8 (2) formulate, coordinate, and recommend pri-
9 orities for the development of new technical stand-
10 ards and the revision of existing technical standards
11 to address the needs identified under paragraph (1);

12 (3) facilitate and support collaboration and co-
13 operation among standards developers to address the
14 needs and priorities identified under paragraphs (1)
15 and (2);

16 (4) as appropriate, coordinate with other na-
17 tional, regional, or international efforts on nuclear
18 energy-related technical standards in order to avoid
19 conflict and duplication and to ensure global com-
20 patibility; and

21 (5) promote the establishment and maintenance
22 of a database of nuclear energy-related technical
23 standards.

24 (d) AUTHORIZATION OF APPROPRIATIONS.—There
25 are authorized to be appropriated \$1,000,000 for each of

1 fiscal years 2011 through 2013 to the Director of the Na-
2 tional Institute for Standards and Technology for activi-
3 ties under this section.

4 **SEC. 13. EVALUATION OF LONG-TERM OPERATING NEEDS.**

5 (a) IN GENERAL.—The Secretary of Energy shall
6 enter into an arrangement with the National Academies
7 to conduct an evaluation of the scientific and technological
8 challenges to the long-term maintenance and safe oper-
9 ation of currently deployed nuclear power reactors up to
10 and beyond the specified design-life of reactor systems.

11 (b) REPORT.—Not later than 1 year after the date
12 of enactment of this Act, the Secretary shall transmit to
13 the Congress, and make publically available, the results
14 of the evaluation undertaken by the Academies pursuant
15 to subsection (a).

16 **SEC. 14. AVAILABLE FACILITIES DATABASE.**

17 The Secretary of Energy shall prepare a database of
18 non-Federal user facilities receiving Federal funds that
19 may be used for unclassified nuclear energy research.
20 The Secretary shall make this database accessible on the
21 Department of Energy's website.

22 **SEC. 15. NUCLEAR WASTE DISPOSAL.**

23 To the extent consistent with the requirements of
24 current law, the Department of Energy shall be respon-
25 sible for disposal of high-level radioactive waste or spent

- 1 nuclear fuel generated by reactors under the programs au-
- 2 thorized in this Act, or the amendments made by this Act.

Passed the House of Representatives November 30,
2010.

Attest: LORRAINE C. MILLER,
Clerk.