

## Calendar No. 417

111<sup>TH</sup> CONGRESS  
2<sup>D</sup> SESSION**S. 3457**

To authorize appropriations for fiscal year 2011 for defense activities of the Department of Energy, and for other purposes.

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## IN THE SENATE OF THE UNITED STATES

JUNE 4, 2010

Mr. LEVIN, from the Committee on Armed Services reported, under authority of the order of the Senate of May 28 (legislative day, May 26), 2010, the following original bill; which was read twice and placed on the calendar

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**A BILL**

To authorize appropriations for fiscal year 2011 for defense activities of the Department of Energy, 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 “Department of Energy  
5 National Security Act for Fiscal Year 2011”.

6 **SEC. 2. TABLE OF CONTENTS.**

7 The table of contents for this Act is as follows:

- Sec. 1. Short title.
- Sec. 2. Table of contents.
- Sec. 3. Congressional defense committees.

DIVISION C—DEPARTMENT OF ENERGY NATIONAL SECURITY  
AUTHORIZATIONS AND OTHER AUTHORIZATIONS

TITLE XXXI—DEPARTMENT OF ENERGY NATIONAL SECURITY  
PROGRAMS

Subtitle A—National Security Programs Authorizations

- Sec. 3101. National Nuclear Security Administration.
- Sec. 3102. Defense environmental cleanup.
- Sec. 3103. Other defense activities.

Subtitle B—Program Authorizations, Restrictions, and Limitations

- Sec. 3111. Assessment of adequacy of budget requests with respect to maintaining the nuclear weapons stockpile.
- Sec. 3112. Biennial plan on modernization and refurbishment of the nuclear security complex.
- Sec. 3113. Future-years defense environmental management plan.
- Sec. 3114. Notification of cost overruns for certain Department of Energy projects.
- Sec. 3115. Authority to purchase or lease aircraft necessary to support the mission of the National Nuclear Security Administration.
- Sec. 3116. Limitation on use of funds for establishment of centers of excellence in countries outside of the former Soviet Union.
- Sec. 3117. Extension of authority of Secretary of Energy for appointment of certain scientific, engineering, and technical personnel.
- Sec. 3118. Extension of authority of Secretary of Energy to enter into transactions to carry out certain research projects.
- Sec. 3119. Extension of deadline for cooperation with the Russian Federation with respect to development of nuclear materials protection, control, and accounting program.
- Sec. 3120. Repeal of sunset provision for modification of minor construction threshold for plant projects.
- Sec. 3121. Extension of deadline for transfer of parcels of land to be conveyed to Los Alamos County, New Mexico, and held in trust for the Pueblo of San Ildefonso.

Subtitle C—Other Matters

- Sec. 3131. Department of Energy energy parks program.
- Sec. 3132. Reclassification of certain appropriations for the National Nuclear Security Administration.

TITLE XXXII—DEFENSE NUCLEAR FACILITIES SAFETY BOARD

- Sec. 3201. Authorization.

TITLE XXXIII—MARITIME ADMINISTRATION

- Sec. 3301. Maritime Administration.

DIVISION D—FUNDING TABLES

Sec. 4001. Authorization of amounts in funding tables.

TITLE XLVI—DEPARTMENT OF ENERGY NATIONAL SECURITY  
PROGRAMS

Sec. 4601. Department of Energy national security programs.

1 **SEC. 3. CONGRESSIONAL DEFENSE COMMITTEES.**

2 For purposes of this Act, the term “congressional de-  
3 fense committees” has the meaning given that term in sec-  
4 tion 101(a)(16) of title 10, United States Code.

5 **DIVISION C—DEPARTMENT OF**  
6 **ENERGY NATIONAL SECURITY**  
7 **AUTHORIZATIONS AND**  
8 **OTHER AUTHORIZATIONS**  
9 **TITLE XXXI—DEPARTMENT OF**  
10 **ENERGY NATIONAL SECURITY**  
11 **PROGRAMS**

12 **Subtitle A—National Security**  
13 **Programs Authorizations**

14 **SEC. 3101. NATIONAL NUCLEAR SECURITY ADMINISTRA-**  
15 **TION.**

16 (a) AUTHORIZATION OF APPROPRIATIONS.—Funds  
17 are hereby authorized to be appropriated to the Depart-  
18 ment of Energy for fiscal year 2011 for the activities of  
19 the National Nuclear Security Administration in carrying  
20 out programs as specified in the funding table in section  
21 4601.

22 (b) AUTHORIZATION OF NEW PLANT PROJECTS.—  
23 From funds referred to in subsection (a) that are available

1 for carrying out plant projects, the Secretary of Energy  
2 may carry out new plant projects for the National Nuclear  
3 Security Administration as follows:

4 (1) For readiness in technical base and facili-  
5 ties, the following new plant project:

6 Project 11–D–801, TA55 Reinvestment  
7 Project–Phase II, Los Alamos National Labora-  
8 tory, Los Alamos, New Mexico, \$20,000,000.

9 (2) For site stewardship, the following new  
10 plant project:

11 Project 11–D–601, sanitary effluent rec-  
12 lamation facility expansion, Los Alamos Na-  
13 tional Laboratory, Los Alamos, New Mexico,  
14 \$15,000,000.

15 **SEC. 3102. DEFENSE ENVIRONMENTAL CLEANUP.**

16 Funds are hereby authorized to be appropriated to  
17 the Department of Energy for fiscal year 2011 for defense  
18 environmental cleanup activities in carrying out programs  
19 as specified in the funding table in section 4601.

20 **SEC. 3103. OTHER DEFENSE ACTIVITIES.**

21 Funds are hereby authorized to be appropriated to  
22 the Department of Energy for fiscal year 2011 for other  
23 defense activities in carrying out programs as specified in  
24 the funding table in section 4601.

1 **Subtitle B—Program Authoriza-**  
2 **tions, Restrictions, and Limita-**  
3 **tions**

4 **SEC. 3111. ASSESSMENT OF ADEQUACY OF BUDGET RE-**  
5 **QUESTS WITH RESPECT TO MAINTAINING**  
6 **THE NUCLEAR WEAPONS STOCKPILE.**

7 (a) IN GENERAL.—Section 3255 of the National Nu-  
8 clear Security Administration Act (50 U.S.C. 2455) is  
9 amended to read as follows:

10 **“SEC. 3255. ASSESSMENT OF ADEQUACY OF BUDGET RE-**  
11 **QUESTS WITH RESPECT TO MAINTAINING**  
12 **THE NUCLEAR WEAPONS STOCKPILE.**

13 “(a) ASSESSMENT OF ADEQUACY OF BUDGET RE-  
14 QUESTS.—

15 “(1) IN GENERAL.—The Administrator shall in-  
16 clude with the nuclear security budget materials sub-  
17 mitted for each fiscal year an assessment by the Ad-  
18 ministrator of whether the budget materials specified  
19 in paragraph (2) provide for funding of the nuclear  
20 security complex and programs and activities to be  
21 carried out during that fiscal year at a level ade-  
22 quate to support the plans, programs, and activities  
23 described in the plan for maintaining the nuclear  
24 weapons stockpile required by section 4203 of the  
25 Atomic Energy Defense Act (50 U.S.C. 2523).

1           “(2) BUDGET MATERIALS SPECIFIED.—The  
2 budget materials specified in this paragraph are the  
3 budget for a fiscal year and the future-years nuclear  
4 security program submitted to Congress in relation  
5 to that budget under section 3253.

6           “(b) ASSESSMENT OF RISKS AND IMPLICATIONS OF  
7 INADEQUATE FUNDING.—

8           “(1) IN GENERAL.—If the Administrator deter-  
9 mines under subsection (a) that funding requested  
10 for a fiscal year for the nuclear security complex is  
11 inadequate to support the plans, programs, and ac-  
12 tivities referred to in subsection (a), the Adminis-  
13 trator shall include with the nuclear security budget  
14 materials for that fiscal year an assessment of the  
15 risks and implications of inadequate funding with re-  
16 spect to the ability of the nuclear security complex—

17                   “(A) to support the annual certification of  
18 the nuclear weapons stockpile under section  
19 4203 of the Atomic Energy Defense Act; and

20                   “(B) to maintain the long-term safety, se-  
21 curity, and reliability of the nuclear weapons  
22 stockpile.

23           “(2) COORDINATION.—In making the assess-  
24 ment described in paragraph (1), the Administrator  
25 shall coordinate in advance with the Secretary of

1 Defense and the Commander of the United States  
2 Strategic Command.

3 “(c) DEFINITIONS.—In this section:

4 “(1) BUDGET.—The term ‘budget’ means the  
5 budget for a fiscal year that is submitted to Con-  
6 gress by the President under section 1105(a) of title  
7 31, United States Code.

8 “(2) NUCLEAR SECURITY BUDGET MATE-  
9 RIALS.—The term ‘nuclear security budget mate-  
10 rials’ means the materials submitted to Congress by  
11 the Administrator in support of the budget for a fis-  
12 cal year.

13 “(3) NUCLEAR SECURITY COMPLEX.—The term  
14 ‘nuclear security complex’ means the physical facili-  
15 ties, technology, and human capital of the following:

16 “(A) The national security laboratories.

17 “(B) The Kansas City Plant, Kansas City,  
18 Missouri.

19 “(C) The Nevada Test Site, Nevada.

20 “(D) The Savannah River Site, Aiken,  
21 South Carolina.

22 “(E) The Y-12 National Security Complex,  
23 Oak Ridge, Tennessee.

24 “(F) The Pantex Plant, Amarillo, Texas.”.

1 (b) CLERICAL AMENDMENT.—The table of contents  
 2 for the National Nuclear Security Administration Act is  
 3 amended by striking the item relating to section 3255 and  
 4 inserting the following new item:

“Sec. 3255. Assessment of adequacy of budget requests with respect to main-  
 taining the nuclear weapons stockpile.”.

5 **SEC. 3112. BIENNIAL PLAN ON MODERNIZATION AND RE-**  
 6 **FURBISHMENT OF THE NUCLEAR SECURITY**  
 7 **COMPLEX.**

8 (a) IN GENERAL.—Subtitle A of title XLII of the  
 9 Atomic Energy Defense Act (50 U.S.C. 2521 et seq.) is  
 10 amended by inserting after section 4203 the following new  
 11 section:

12 **“SEC. 4203A. BIENNIAL PLAN ON MODERNIZATION AND RE-**  
 13 **FURBISHMENT OF THE NUCLEAR SECURITY**  
 14 **COMPLEX.**

15 “(a) IN GENERAL.—In each even-numbered year be-  
 16 ginning after the date of the enactment of the National  
 17 Defense Authorization Act for Fiscal Year 2011, the Sec-  
 18 retary of Energy, acting through the Administrator for  
 19 Nuclear Security, shall include in the plan for maintaining  
 20 the nuclear weapons stockpile required by section 4203 a  
 21 plan for the modernization and refurbishment of the nu-  
 22 clear security complex.

23 “(b) PLAN DESIGN.—



1           “(1) IN GENERAL.—The plan required by sub-  
2           section (a) shall be designed to ensure that the nu-  
3           clear security complex is capable of supporting the  
4           following:

5                   “(A) Except as provided in paragraph (2),  
6           the national security strategy of the United  
7           States as set forth in the most recent national  
8           security strategy report of the President under  
9           section 108 of the National Security Act of  
10          1947 (50 U.S.C. 404a).

11                   “(B) The nuclear posture of the United  
12          States as set forth in the most recent Nuclear  
13          Posture Review.

14           “(2) EXCEPTION.—If, at the time the plan is  
15          submitted under subsection (a), a national security  
16          strategy report has not been submitted to Congress  
17          under section 108 of the National Security Act of  
18          1947, the plan required by subsection (a) shall be  
19          designed to ensure that the nuclear security complex  
20          is capable of supporting the national defense strat-  
21          egy recommended in the report of the most recent  
22          Quadrennial Defense Review.

23           “(c) PLAN ELEMENTS.—The plan required by sub-  
24          section (a) shall include the following:

1           “(1) A description of the modernization and re-  
2 refurbishment measures the Secretary determines nec-  
3 essary to meet the requirements of—

4                   “(A) the national security strategy of the  
5 United States as set forth in the most recent  
6 national security strategy report of the Presi-  
7 dent under section 108 of the National Security  
8 Act of 1947 or the national defense strategy  
9 recommended in the report of the most recent  
10 Quadrennial Defense Review, as applicable  
11 under subsection (b); and

12                   “(B) the Nuclear Posture Review.

13           “(2) A schedule for implementing the measures  
14 described in paragraph (1) during the ten years fol-  
15 lowing the date on which the plan for maintaining  
16 the nuclear weapons stockpile required by section  
17 4203 and into which the plan required by subsection  
18 (a) is incorporated is submitted to Congress under  
19 section 4203(c).

20           “(3) An estimate of the annual funds the Ad-  
21 ministrator determines necessary to carry out the  
22 plan required by subsection (a), including a discus-  
23 sion of the criteria, evidence, and strategies on which  
24 the estimate is based.

25           “(d) DEFINITIONS.—In this section:

1           “(1) NUCLEAR SECURITY COMPLEX.—The term  
2           ‘nuclear security complex’ means the physical facili-  
3           ties, technology, and human capital of the following:

4                   “(A) The national security laboratories (as  
5                   defined in section 3281 of the National Nuclear  
6                   Security Administration Act (50 U.S.C. 2471)).

7                   “(B) The Kansas City Plant, Kansas City,  
8                   Missouri.

9                   “(C) The Nevada Test Site, Nevada.

10                  “(D) The Savannah River Site, Aiken,  
11                  South Carolina.

12                  “(E) The Y-12 National Security Complex,  
13                  Oak Ridge, Tennessee.

14                  “(F) The Pantex Plant, Amarillo, Texas.

15           “(2) QUADRENNIAL DEFENSE REVIEW.—The  
16           term ‘Quadrennial Defense Review’ means the re-  
17           view of the defense programs and policies of the  
18           United States that is carried out every four years  
19           under section 118 of title 10, United States Code.”.

20           (b) CLERICAL AMENDMENT.—The table of contents  
21           for the Atomic Energy Defense Act is amended by insert-  
22           ing after the item relating to section 4203 the following  
23           new item:

          “Sec. 4203A. Biennial plan on modernization and refurbishment of the nuclear  
          security complex.”.

1 **SEC. 3113. FUTURE-YEARS DEFENSE ENVIRONMENTAL**  
2 **MANAGEMENT PLAN.**

3 (a) IN GENERAL.—Title XLIV of the Atomic Energy  
4 Defense Act (50 U.S.C. 2581 et seq.) is amended by in-  
5 serting after section 4402 the following new section:

6 **“SEC. 4402A. FUTURE-YEARS DEFENSE ENVIRONMENTAL**  
7 **MANAGEMENT PLAN.**

8 “(a) IN GENERAL.—The Secretary of Energy shall  
9 submit to Congress each year, at or about the same time  
10 that the President’s budget is submitted to Congress for  
11 a fiscal year under section 1105(a) of title 31, United  
12 States Code, a future-years defense environmental man-  
13 agement plan that—

14 “(1) reflects the estimated expenditures and  
15 proposed appropriations included in that budget for  
16 the Department of Energy for environmental man-  
17 agement; and

18 “(2) covers a period that includes the fiscal  
19 year for which that budget is submitted and not less  
20 than the four succeeding fiscal years.

21 “(b) ELEMENTS.—Each future-years defense envi-  
22 ronmental management plan required by subsection (a)  
23 shall contain the following:

24 “(1) A detailed description of the projects and  
25 activities relating to defense environmental manage-  
26 ment to be carried out during the period covered by

1 the plan at the sites specified in subsection (c) and  
2 with respect to the activities specified in subsection  
3 (d).

4 “(2) A statement of proposed budget authority,  
5 estimated expenditures, and proposed appropriations  
6 necessary to support such projects and activities.

7 “(3) With respect to each site specified in sub-  
8 section (c), the following:

9 “(A) A statement of each milestone in-  
10 cluded in an enforceable agreement governing  
11 cleanup and waste remediation for that site for  
12 each fiscal year covered by the plan.

13 “(B) For each such milestone, a statement  
14 with respect to whether each such milestone will  
15 be met in each such fiscal year.

16 “(C) For any milestone that will not be  
17 met, an explanation of why the milestone will  
18 not be met and the date by which the milestone  
19 is expected to be met.

20 “(c) SITES SPECIFIED.—The sites specified in this  
21 subsection are the following:

22 “(1) The Idaho National Laboratory, Idaho.

23 “(2) The Waste Isolation Pilot Plant, Carlsbad,  
24 New Mexico.

1           “(3) The Savannah River Site, Aiken, South  
2           Carolina.

3           “(4) The Oak Ridge National Laboratory, Oak  
4           Ridge, Tennessee.

5           “(5) The Hanford Site, Richland, Washington.

6           “(6) Any defense closure site of the Depart-  
7           ment of Energy.

8           “(7) Any site of the National Nuclear Security  
9           Administration.

10          “(d) ACTIVITIES SPECIFIED.—The activities specified  
11          in this subsection are the following:

12                 “(1) Program support.

13                 “(2) Program direction.

14                 “(3) Safeguards and security.

15                 “(4) Technology development and deployment.

16                 “(5) Federal contributions to the Uranium En-  
17                 richment Decontamination and Decommissioning  
18                 Fund established under section 1801 of the Atomic  
19                 Energy Act of 1954 (42 U.S.C. 2297g).”.

20          (b) CLERICAL AMENDMENT.—The table of contents  
21          for the Atomic Energy Defense Act is amended by insert-  
22          ing after the item relating to section 4402 the following  
23          new item:

“Sec. 4402A. Future-years defense environmental management plan.”.

1 **SEC. 3114. NOTIFICATION OF COST OVERRUNS FOR CER-**  
2 **TAIN DEPARTMENT OF ENERGY PROJECTS.**

3 (a) IN GENERAL.—Subtitle A of title XLVII of the  
4 Atomic Energy Defense Act (50 U.S.C. 2741 et seq.) is  
5 amended by adding at the end the following new section:

6 **“SEC. 4713. NOTIFICATION OF COST OVERRUNS FOR CER-**  
7 **TAIN DEPARTMENT OF ENERGY PROJECTS.**

8 “(a) ESTABLISHMENT OF COST AND SCHEDULE  
9 BASELINES.—

10 “(1) STOCKPILE LIFE EXTENSION PROJECTS.—

11 “(A) IN GENERAL.—The Administrator for  
12 Nuclear Security shall establish a cost and  
13 schedule baseline for each nuclear stockpile life  
14 extension project of the National Nuclear Secu-  
15 rity Administration.

16 “(B) PER UNIT COST.—The cost baseline  
17 developed under subparagraph (A) shall in-  
18 clude, with respect to each life extension  
19 project, an estimated cost for each warhead in  
20 the project.

21 “(C) NOTIFICATION TO CONGRESSIONAL  
22 DEFENSE COMMITTEES.—Not later than 30  
23 days after establishing a cost and schedule  
24 baseline under subparagraph (A), the Adminis-  
25 trator shall submit the cost and schedule base-  
26 line to the congressional defense committees.

1           “(2)     DEFENSE-FUNDED     CONSTRUCTION  
2     PROJECTS.—

3           “(A) IN GENERAL.—The Secretary of En-  
4     ergy shall establish a cost and schedule baseline  
5     under the project management protocols of the  
6     Department of Energy for each construction  
7     project carried out by the Department using  
8     funds authorized to be appropriated for a fiscal  
9     year pursuant to a DOE national security au-  
10    thorization.

11          “(B) NOTIFICATION TO CONGRESSIONAL  
12    DEFENSE COMMITTEES.—Not later than 30  
13    days after establishing a cost and schedule  
14    baseline under subparagraph (A), the Secretary  
15    shall submit the cost and schedule baseline to  
16    the congressional defense committees.

17          “(3) DEFENSE ENVIRONMENTAL MANAGEMENT  
18    PROJECTS.—

19          “(A) IN GENERAL.—The Secretary shall  
20    establish a cost and schedule baseline under the  
21    project management protocols of the Depart-  
22    ment of Energy for each defense environmental  
23    management project carried out by the Depart-  
24    ment pursuant to such protocols.



1           “(B) NOTIFICATION TO CONGRESSIONAL  
2           DEFENSE COMMITTEES.—Not later than 30  
3           days after establishing a cost and schedule  
4           baseline under subparagraph (A) for a project  
5           with a total cost in excess of \$100,000,000, the  
6           Secretary shall submit the cost and schedule  
7           baseline to the congressional defense commit-  
8           tees.

9           “(b) NOTIFICATION OF COSTS OR SCHEDULE EX-  
10          CEEDING BASELINE.—The Administrator or the Sec-  
11          retary, as applicable, shall notify the congressional defense  
12          committees not later than 30 days after determining  
13          that—

14               “(1) the total cost for a project referred to in  
15               paragraph (1), (2), or (3) of subsection (a) will ex-  
16               ceed an amount that is equal to 125 percent of the  
17               cost baseline established under subsection (a) for  
18               that project;

19               “(2) the total time required to complete such a  
20               project will be longer than 125 percent of the time  
21               specified in the schedule baseline established under  
22               subsection (a) for that project; and

23               “(3) in the case of a stockpile life extension  
24               project referred to in subsection (a)(1), the cost for  
25               any warhead in the project will exceed an amount

1 that is equal to 125 percent of the cost baseline es-  
2 tablished under subsection (a)(1)(B) for each war-  
3 head in that project.

4 “(c) NOTIFICATION OF DETERMINATION WITH RE-  
5 SPECT TO TERMINATION OR CONTINUATION OF  
6 PROJECTS.—Not later than 90 days after submitting a  
7 notification under subsection (b) with respect to a project,  
8 the Administrator or the Secretary, as applicable, shall—

9 “(1) notify the congressional defense commit-  
10 tees with respect to whether the project will be ter-  
11 minated or continued; and

12 “(2) if the project will be continued, certify to  
13 the congressional defense committees that—

14 “(A) a revised cost and schedule baseline  
15 has been established for the project and, in the  
16 case of a stockpile life extension project referred  
17 to in subsection (a)(1), a revised estimate of the  
18 cost for each warhead in the project has been  
19 made;

20 “(B) the continuation of the project is nec-  
21 essary to the mission of the Department of En-  
22 ergy and there is no alternative to the project  
23 that would meet the requirements of that mis-  
24 sion; and

1           “(C) a management structure is in place  
2           adequate to manage and control the cost and  
3           schedule of the project.

4           “(d) **APPLICABILITY OF REQUIREMENTS TO REVISED**  
5 **COST AND SCHEDULE BASELINES.**—A revised cost and  
6 schedule baseline established under subsection (c) shall—

7           “(1) be submitted to the congressional defense  
8           committees with the certification submitted under  
9           subsection (c)(2); and

10           “(2) be subject to the notification requirements  
11           of subsections (b) and (c) in the same manner and  
12           to the same extent as a cost and schedule baseline  
13           established under subsection (a).”.

14           (b) **CLERICAL AMENDMENT.**—The table of contents  
15 for the Atomic Energy Defense Act is amended by insert-  
16 ing after the item relating to section 4712 the following  
17 new item:

          “Sec. 4713. Notification of cost overruns for certain Department of Energy  
          projects.”.

18 **SEC. 3115. AUTHORITY TO PURCHASE OR LEASE AIRCRAFT**  
19           **NECESSARY TO SUPPORT THE MISSION OF**  
20           **THE NATIONAL NUCLEAR SECURITY ADMIN-**  
21           **ISTRATION.**

22           The Administrator for Nuclear Security may obligate  
23 and expend amounts authorized to be appropriated by sec-  
24 tion 3101 or amounts otherwise made available to the Na-

1 tional Nuclear Security Administration for any fiscal year  
2 before fiscal year 2012 and available for obligation to pur-  
3 chase or lease aircraft necessary to support the mission  
4 of the Administration.

5 **SEC. 3116. LIMITATION ON USE OF FUNDS FOR ESTABLISH-**  
6 **MENT OF CENTERS OF EXCELLENCE IN**  
7 **COUNTRIES OUTSIDE OF THE FORMER SO-**  
8 **VIET UNION.**

9 None of the funds authorized to be appropriated by  
10 section 3101 and made available by the funding table in  
11 section 4501 for defense nuclear nonproliferation activities  
12 may be obligated or expended to establish a center of ex-  
13 cellence in a country that is not a state of the former So-  
14 viet Union until the date that is 15 days after the date  
15 on which the Administrator for Nuclear Security submits  
16 to the congressional defense committees a report that in-  
17 cludes the following:

18 (1) An identification of the country in which  
19 the center will be located.

20 (2) A description of the purpose for which the  
21 center will be established.

22 (3) The agreement under which the center will  
23 operate.

24 (4) A funding plan for the center, including—

1 (A) the amount of funds to be provided by  
2 the government of the country in which the cen-  
3 ter will be located; and

4 (B) the percentage of the total cost of es-  
5 tablishing and operating the center the funds  
6 described in subparagraph (A) will cover.

7 **SEC. 3117. EXTENSION OF AUTHORITY OF SECRETARY OF**  
8 **ENERGY FOR APPOINTMENT OF CERTAIN**  
9 **SCIENTIFIC, ENGINEERING, AND TECHNICAL**  
10 **PERSONNEL.**

11 Section 4601(c)(1) of the Atomic Energy Defense Act  
12 (50 U.S.C. 2701(c)(1)) is amended by striking “Sep-  
13 tember 30, 2011” and inserting “September 30, 2016”.

14 **SEC. 3118. EXTENSION OF AUTHORITY OF SECRETARY OF**  
15 **ENERGY TO ENTER INTO TRANSACTIONS TO**  
16 **CARRY OUT CERTAIN RESEARCH PROJECTS.**

17 Section 646(g)(10) of the Department of Energy Or-  
18 ganization Act (42 U.S.C. 7256(g)(10)) is amended by  
19 striking “September 30, 2010” and inserting “September  
20 30, 2015”.

1 **SEC. 3119. EXTENSION OF DEADLINE FOR COOPERATION**  
2 **WITH THE RUSSIAN FEDERATION WITH RE-**  
3 **SPECT TO DEVELOPMENT OF NUCLEAR MA-**  
4 **TERIALS PROTECTION, CONTROL, AND AC-**  
5 **COUNTING PROGRAM.**

6 Section 3156(b)(1) of the Bob Stump National De-  
7 fense Authorization Act for Fiscal Year 2003 (50 U.S.C.  
8 2343(b)(1)) is amended by striking “January 1, 2013”  
9 and inserting “January 1, 2017”.

10 **SEC. 3120. REPEAL OF SUNSET PROVISION FOR MODIFICA-**  
11 **TION OF MINOR CONSTRUCTION THRESHOLD**  
12 **FOR PLANT PROJECTS.**

13 Section 3118 of the National Defense Authorization  
14 Act for Fiscal Year 2010 (Public Law 111–84; 123 Stat.  
15 2709) is amended—

16 (1) by striking subsection (b);

17 (2) by redesignating subsection (c) as sub-  
18 section (b); and

19 (3) in subsection (b), as so redesignated, by  
20 striking “during fiscal year 2010”.

21 **SEC. 3121. EXTENSION OF DEADLINE FOR TRANSFER OF**  
22 **PARCELS OF LAND TO BE CONVEYED TO LOS**  
23 **ALAMOS COUNTY, NEW MEXICO, AND HELD IN**  
24 **TRUST FOR THE PUEBLO OF SAN ILDEFONSO.**

25 Section 632 of the Departments of Commerce, Jus-  
26 tice, and State, the Judiciary, and Related Agencies Ap-

1 appropriations Act, 1998 (42 U.S.C. 2391 note) is amend-  
2 ed—

3 (1) in subsection (d)(2), by striking “November  
4 26, 2012” and inserting “September 30, 2022”; and

5 (2) in subsection (g)(3)(B), by striking “No-  
6 vember 26, 2012” and inserting “September 30,  
7 2022”.

## 8 **Subtitle C—Other Matters**

### 9 **SEC. 3131. DEPARTMENT OF ENERGY ENERGY PARKS PRO-** 10 **GRAM.**

11 (a) IN GENERAL.—The Secretary of Energy may es-  
12 tablish a program to permit the establishment of energy  
13 parks on former defense nuclear facilities.

14 (b) OBJECTIVES.—The objectives for establishing en-  
15 ergy parks pursuant to subsection (a) are the following:

16 (1) To provide locations to carry out a broad  
17 range of projects relating to the development and de-  
18 ployment of energy technologies and related ad-  
19 vanced manufacturing technologies.

20 (2) To provide locations for the implementation  
21 of pilot programs and demonstration projects for  
22 new and developing energy technologies and related  
23 advanced manufacturing technologies.

24 (3) To set a national example for the develop-  
25 ment and deployment of energy technologies and re-

1       lated advanced manufacturing technologies in a  
2       manner that will promote energy security, energy  
3       sector employment, and energy independence.

4               (4) To create a business environment that en-  
5       courages collaboration and interaction between the  
6       public and private sectors.

7       (c) CONSULTATION.—In establishing an energy park  
8       pursuant to subsection (a), the Secretary shall consult  
9       with—

10              (1) the local government with jurisdiction over  
11       the land on which the energy park will be located;

12              (2) the local governments of adjacent areas;  
13       and

14              (3) any community reuse organization recog-  
15       nized by the Secretary at the former defense nuclear  
16       facility on which the energy park will be located.

17       (d) REPORT REQUIRED.—Not later than 120 days  
18       after the date of the enactment of this Act, the Secretary  
19       shall submit to the Committee on Armed Services of the  
20       Senate and the Committee on Armed Services of the  
21       House of Representatives a report on the implementation  
22       of the program under subsection (a). The report shall in-  
23       clude such recommendations for additional legislative ac-  
24       tions as the Secretary considers appropriate to facilitate



1 the development of energy parks on former defense nu-  
2 clear facilities.

3 (e) DEFENSE NUCLEAR FACILITY DEFINED.—In  
4 this section, the term “defense nuclear facility” has the  
5 meaning given the term “Department of Energy defense  
6 nuclear facility” in section 318 of the Atomic Energy Act  
7 of 1954 (42 U.S.C. 2286g).

8 **SEC. 3132. RECLASSIFICATION OF CERTAIN APPROPRIA-**  
9 **TIONS FOR THE NATIONAL NUCLEAR SECUR-**  
10 **RITY ADMINISTRATION.**

11 (a) FISCAL YEAR 2009 APPROPRIATIONS.—The mat-  
12 ter under the heading “WEAPONS ACTIVITIES” under the  
13 heading “NATIONAL NUCLEAR SECURITY ADMINISTRA-  
14 TION” under the heading “ATOMIC ENERGY DE-  
15 FENSE ACTIVITIES” under the heading “DEPART-  
16 MENT OF ENERGY” under title III of division C of the  
17 Omnibus Appropriations Act, 2009 (Public Law 111–8;  
18 123 Stat. 621) is amended by striking “the 09–D–007  
19 LANSCE Refurbishment, PED,” and inserting “capital  
20 equipment acquisition, installation, and associated design  
21 funds for LANSCE,”.

22 (b) FISCAL YEAR 2010 APPROPRIATIONS.—The  
23 amount appropriated under the heading “WEAPONS AC-  
24 TIVITIES” under the heading “NATIONAL NUCLEAR  
25 SECURITY ADMINISTRATION” under the heading

1 “ATOMIC ENERGY DEFENSE ACTIVITIES” under  
2 the heading “DEPARTMENT OF ENERGY” under title  
3 III of the Energy and Water Development and Related  
4 Agencies Appropriations Act, 2010 (Public Law 111–85;  
5 123 Stat. 2866) and made available for LANSCE Rein-  
6 vestment, PED, Los Alamos National Laboratory, Los Al-  
7 amos, New Mexico, shall be made available instead for  
8 capital equipment acquisition, installation, and associated  
9 design funds for LANSCE, Los Alamos National Labora-  
10 tory, Los Alamos, New Mexico.

11 **TITLE XXXII—DEFENSE NU-**  
12 **CLEAR FACILITIES SAFETY**  
13 **BOARD**

14 **SEC. 3201. AUTHORIZATION.**

15 There are authorized to be appropriated for fiscal  
16 year 2011, \$33,640,000 for the operation of the Defense  
17 Nuclear Facilities Safety Board under chapter 21 of the  
18 Atomic Energy Act of 1954 (42 U.S.C. 2286 et seq.).

19 **TITLE XXXIII—MARITIME**  
20 **ADMINISTRATION**

21 **SEC. 3301. MARITIME ADMINISTRATION.**

22 Section 109 of title 49, United States Code, is  
23 amended to read as follows:

1 **“§ 109. Maritime Administration**

2 “(a) ORGANIZATION.—The Maritime Administration  
3 is an administration in the Department of Transportation.

4 “(b) MARITIME ADMINISTRATOR.—The head of the  
5 Maritime Administration is the Maritime Administrator,  
6 who is appointed by the President by and with the advice  
7 and consent of the Senate.—The Administrator shall re-  
8 port directly to the Secretary of Transportation and carry  
9 out the duties prescribed by the Secretary.

10 “(c) DEPUTY MARITIME ADMINISTRATOR.—The  
11 Maritime Administration shall have a Deputy Maritime  
12 Administrator, who is appointed in the competitive service  
13 by the Secretary, after consultation with the Adminis-  
14 trator. The Deputy Administrator shall carry out the du-  
15 ties prescribed by the Administrator. The Deputy Admin-  
16 istrator shall be Acting Administrator during the absence  
17 or disability of the Administrator and, unless the Sec-  
18 retary designates another individual, during a vacancy in  
19 the office of Administrator.

20 “(d) DUTIES AND POWERS VESTED IN SEC-  
21 RETARY.—All duties and powers of the Maritime Adminis-  
22 tration are vested in the Secretary.

23 “(e) REGIONAL OFFICES.—The Maritime Adminis-  
24 tration shall have regional offices for the Atlantic, Gulf,  
25 Great Lakes, and Pacific port ranges, and may have other  
26 regional offices as necessary. The Secretary shall appoint

1 a qualified individual as Director of each regional office.  
2 The Secretary shall carry out appropriate activities and  
3 programs of the Maritime Administration through the re-  
4 gional offices.

5 “(f) INTERAGENCY AND INDUSTRY RELATIONS.—  
6 The Secretary shall establish and maintain liaison with  
7 other agencies, and with representative trade organiza-  
8 tions throughout the United States, concerned with the  
9 transportation of commodities by water in the export and  
10 import foreign commerce of the United States, for the pur-  
11 pose of securing preference to vessels of the United States  
12 for the transportation of those commodities.

13 “(g) DETAILING OFFICERS FROM ARMED FORCES.—  
14 To assist the Secretary in carrying out duties and powers  
15 relating to the Maritime Administration, not more than  
16 five officers of the armed forces may be detailed to the  
17 Secretary at any one time, in addition to details author-  
18 ized by any other law. During the period of a detail, the  
19 Secretary shall pay the officer an amount that, when  
20 added to the officer’s pay and allowances as an officer in  
21 the armed forces, makes the officer’s total pay and allow-  
22 ances equal to the amount that would be paid to an indi-  
23 vidual performing work the Secretary considers to be of  
24 similar importance, difficulty, and responsibility as that  
25 performed by the officer during the detail.

1       “(h) CONTRACTS, COOPERATIVE AGREEMENTS, AND  
2 AUDITS.—

3               “(1) CONTRACTS AND COOPERATIVE AGREE-  
4 MENTS.—In the same manner that a private cor-  
5 poration may make a contract within the scope of its  
6 authority under its charter, the Secretary may make  
7 contracts and cooperative agreements for the United  
8 States Government and disburse amounts to—

9               “(A) carry out the Secretary’s duties and  
10 powers under this section, subtitle V of title 46,  
11 and all other Maritime Administration pro-  
12 grams; and

13               “(B) protect, preserve, and improve collat-  
14 eral held by the Secretary to secure indebted-  
15 ness.

16               “(2) AUDITS.—The financial transactions of  
17 the Secretary under paragraph (1) shall be audited  
18 by the Comptroller General. The Comptroller Gen-  
19 eral shall allow credit for an expenditure shown to  
20 be necessary because of the nature of the business  
21 activities authorized by this section or subtitle V of  
22 title 46. At least once a year, the Comptroller Gen-  
23 eral shall report to Congress any departure by the  
24 Secretary from this section or subtitle V of title 46.

1       “(i) GRANT ADMINISTRATIVE EXPENSES.—Except as  
2 otherwise provided by law, the administrative and related  
3 expenses for the administration of any grant programs by  
4 the Maritime Administrator may not exceed 3 percent.

5       “(j) AUTHORIZATION OF APPROPRIATIONS.—

6           “(1) IN GENERAL.—Except as otherwise pro-  
7 vided in this subsection, there are authorized to be  
8 appropriated such amounts as may be necessary to  
9 carry out the duties and powers of the Secretary re-  
10 lating to the Maritime Administration.

11           “(2) LIMITATIONS.—Only those amounts spe-  
12 cifically authorized by law may be appropriated for  
13 the use of the Maritime Administration for—

14           “(A) acquisition, construction, or recon-  
15 struction of vessels;

16           “(B) construction-differential subsidies in-  
17 cident to the construction, reconstruction, or re-  
18 conditioning of vessels;

19           “(C) costs of national defense features;

20           “(D) payments of obligations incurred for  
21 operating-differential subsidies;

22           “(E) expenses necessary for research and  
23 development activities, including reimbursement  
24 of the Vessel Operations Revolving Fund for

1 losses resulting from expenses of experimental  
2 vessel operations;

3 “(F) the Vessel Operations Revolving  
4 Fund;

5 “(G) National Defense Reserve Fleet ex-  
6 penses;

7 “(H) expenses necessary to carry out part  
8 B of subtitle V of title 46; and

9 “(I) other operations and training expenses  
10 related to the development of waterborne trans-  
11 portation systems, the use of waterborne trans-  
12 portation systems, and general administration.

13 “(3) TRAINING VESSELS.—Amounts may not be  
14 appropriated for the purchase or construction of  
15 training vessels for State maritime academies unless  
16 the Secretary has approved a plan for sharing train-  
17 ing vessels between State maritime academies.”.

# TITLE XLVI—DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS

## SEC. 4601. DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS.

Program	FY 2011 Request	Senate Change	Senate Authorized
<b>DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS</b> (In Thousands of Dollars)			
<b>Electricity Delivery &amp; Energy Reliability</b>			
<b>Electricity Delivery &amp; Energy Reliability</b>			
Infrastructure security & energy restoration .....	6,188	-6,188	0
<b>Weapons Activities</b>			
<b>Directed stockpile work</b>			
<b>Life extension programs</b>			
W76 Life extension program .....	249,463	-15,000	234,463
<b>Total, Life extension programs</b> .....	<b>249,463</b>	<b>-15,000</b>	<b>234,463</b>
<b>Stockpile systems</b>			
B61 Stockpile systems .....	317,136		317,136
W76 Stockpile systems .....	64,521		64,521
W78 Stockpile systems .....	85,898		85,898
W80 Stockpile systems .....	34,193		34,193
B83 Stockpile systems .....	39,349		39,349
W87 Stockpile systems .....	62,603		62,603



W88 Stockpile systems .....	45,666	45,666	
<b>Total, Stockpile systems</b> .....	<b>649,366</b>	<b>649,366</b>	<b>0</b>
<b>Weapons dismantlement and disposition</b>			
Operations and maintenance .....	58,025	58,025	
<b>Total, Weapons dismantlement and disposition</b> .....	<b>58,025</b>	<b>58,025</b>	<b>0</b>
<b>Stockpile services</b>			
Production support .....	309,761	309,761	
Research and development support .....	38,582	38,582	
R&D certification and safety .....	209,053	209,053	
Management, technology, and production .....	193,811	193,811	10,000
Plutonium infrastructure sustainment .....	190,318	190,318	-20,000
<b>Total, Stockpile services</b> .....	<b>941,525</b>	<b>941,525</b>	<b>-10,000</b>
<b>Total, Directed stockpile work</b> .....	<b>1,898,379</b>	<b>1,898,379</b>	<b>-25,000</b>
<b>Campaigns:</b>			
<b>Science campaign</b>			
Advanced certification .....	76,972	76,972	
Primary assessment technologies .....	85,723	85,723	
Dynamic materials properties .....	96,984	96,984	
Advanced radiography .....	23,594	23,594	
Secondary assessment technologies .....	81,949	81,949	
<b>Total, Science campaign</b> .....	<b>365,222</b>	<b>365,222</b>	<b>0</b>
<b>Engineering campaign</b>			
Enhanced surety .....	42,429	42,429	
Weapon systems engineering assessment technology .....	13,530	13,530	
Nuclear survivability .....	19,786	19,786	
Enhanced surveillance .....	66,175	66,175	
<b>Total, Engineering campaign</b> .....	<b>141,920</b>	<b>141,920</b>	<b>0</b>
<b>Inertial confinement fusion ignition and high yield campaign</b>			
Ignition .....	109,506	109,506	

**DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**  
(In Thousands of Dollars)

Program	FY 2011 Request	Senate Change	Senate Authorized
NIF diagnostics, cryogenics and experimental support .....	102,649	3,000	105,649
Pulsed power inertial confinement fusion .....	5,000		5,000
Joint program in high energy density laboratory plasmas .....	4,000		4,000
Facility operations and target production .....	260,393		260,393
<b>Total, Inertial confinement fusion and high yield campaign .....</b>	<b>481,548</b>	<b>3,000</b>	<b>484,548</b>
<b>Advanced simulation and computing campaign .....</b>	<b>615,748</b>		<b>615,748</b>
<b>Readiness Campaign</b>			
Stockpile readiness .....	18,941		18,941
High explosives and weapon operations .....	3,000		3,000
Nonnuclear readiness .....	21,864		21,864
Tritium readiness .....	50,187	-5,000	45,187
Advanced design and production technologies .....	18,100		18,100
<b>Total, Readiness campaign .....</b>	<b>112,092</b>	<b>-5,000</b>	<b>107,092</b>
<b>Total, Campaigns .....</b>	<b>1,716,530</b>	<b>-2,000</b>	<b>1,714,530</b>
<b>Readiness in technical base and facilities (RTBF)</b>			
<b>Operations of facilities</b>			
Operations of facilities .....	1,257,991	0	1,257,991
Kansas City Plant-KCRIMS .....		-30,000	-30,000
Pantex .....		10,000	10,000
Y-12 .....		10,000	10,000
Los Alamos National Lab PP-4 .....		10,000	10,000
<b>Total, Operations of facilities .....</b>	<b>1,257,991</b>	<b>0</b>	<b>1,257,991</b>
Program readiness .....	69,309		69,309
Material recycle and recovery .....	70,429		70,429
Containers .....	27,992		27,992
Storage .....	24,233		24,233

<b>Subtotal, Readiness in technical base and facilities (RTBF)</b> .....	<b>1,449,954</b>	<b>0</b>	<b>1,449,954</b>
<b>Construction:</b>			
11-D-801, TA-55 Reinvestment project II, Los Alamos National Laboratory, Los Alamos, NM .....	20,000		20,000
09-D-107, LANSCE Refurbishment, Los Alamos National Laboratory, Los Alamos, NM .....	20,000	20,000	20,000
08-D-802, High explosive Pressing Facility, Pantex Plant, Amarillo, TX .....	30,000	10,000	40,000
07-D-140, Project engineering and design (PED), various locations .....	5,000	5,000	5,000
06-D-140, Project engineering and design (PED), various locations .....	4,000	4,000	4,000
06-D-141, Project engineering & design (PED), Uranium Processing Facility, Y-12 National Security Complex, Oakridge, TN .....	115,016		115,016
04-D-125, Chemistry and Metallurgy Research Facility replacement project, Los Alamos National Laboratory, Los Alamos, NM .....	225,000		225,000
<b>Total, Construction</b> .....	<b>399,016</b>	<b>30,000</b>	<b>429,016</b>
<b>Total, Readiness in technical base and facilities</b> .....	<b>1,848,970</b>	<b>30,000</b>	<b>1,878,970</b>
<b>Secure transportation asset</b>			
Operation and equipment .....	149,018		149,018
Program direction .....	99,027		99,027
<b>Total, Secure transportation asset</b> .....	<b>248,045</b>	<b>0</b>	<b>248,045</b>
<b>Nuclear counterterrorism incident response</b> .....	<b>233,134</b>		<b>233,134</b>
<b>Facilities and infrastructure recapitalization program</b>			
<b>Operations and maintenance:</b>			
Operations and maintenance .....	94,000	25,000	119,000
<b>Total, Operations and maintenance</b> .....	<b>94,000</b>	<b>25,000</b>	<b>119,000</b>
<b>Total, Facilities and infrastructure recapitalization program</b> .....	<b>94,000</b>	<b>25,000</b>	<b>119,000</b>
<b>Site stewardship</b>			
<b>Operations of facilities</b>			
Operations and maintenance .....	90,478		90,478
<b>Total, Operations of facilities</b> .....	<b>90,478</b>	<b>0</b>	<b>90,478</b>
<b>Construction</b>			
11-D-601, Sanitary effluent reclamation facility, Los Alamos National Laboratory, Los Alamos, NM .....	15,000		15,000
<b>Total, Construction</b> .....	<b>15,000</b>	<b>0</b>	<b>15,000</b>

**DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**  
(In Thousands of Dollars)

Program	FY 2011 Request	Senate Change	Senate Authorized
Total, Site stewardship .....	105,478	0	105,478
<b>Safeguards and security</b>			
<b>Defense nuclear security</b>			
<b>Operations and maintenance:</b>			
Operations and maintenance .....	667,954		667,954
<b>Total, Operations and maintenance</b> .....	<b>667,954</b>	<b>0</b>	<b>667,954</b>
<b>Construction:</b>			
08-D-701, Nuclear materials safety and security upgrade project, phase II, Los Alamos National Laboratory, Los Alamos, NM .....	52,000		52,000
<b>Total, Construction</b> .....	<b>52,000</b>	<b>0</b>	<b>52,000</b>
<b>Total, Defense nuclear security</b> .....	<b>719,954</b>	<b>0</b>	<b>719,954</b>
Cyber security .....	124,345		124,345
<b>Total, Safeguards and security</b> .....	<b>844,299</b>	<b>0</b>	<b>844,299</b>
<b>Science, technology and engineering capability</b> .....	<b>20,000</b>		<b>20,000</b>
<b>Subtotal, Weapons activities</b> .....	<b>7,008,835</b>	<b>28,000</b>	<b>7,036,835</b>
<b>Adjustments</b>			
Use of prior year balances .....	0	-21,812	-21,812
<b>Total, Adjustments</b> .....	<b>0</b>	<b>-21,812</b>	<b>-21,812</b>
<b>Total, Weapons Activities</b> .....	<b>7,008,835</b>	<b>6,188</b>	<b>7,015,023</b>
<b>Defense Nuclear Nonproliferation</b>			
<b>Nonproliferation and verification R&amp;D</b>			
<b>Operations and maintenance:</b>			
Operations and maintenance .....	351,568	8,000	359,568
<b>Total, Operations and maintenance</b> .....	<b>351,568</b>	<b>8,000</b>	<b>359,568</b>
<b>Total, Nonproliferation &amp; verification R&amp;D</b> .....	<b>351,568</b>	<b>8,000</b>	<b>359,568</b>

Nonproliferation and international security .....	155,930	-4,000	151,930
GHP .....		[-4,000]	
International nuclear materials protection and cooperation .....	590,118	20,000	610,118
Megaports .....		[20,000]	
Fissile materials disposition			
U.S. surplus fissile materials disposition			
Operations and maintenance:			
U.S. plutonium disposition .....	278,940	20,000	298,940
U.S. uranium disposition .....	25,985		25,985
<b>Total, Operations and maintenance</b> .....	<b>304,925</b>	<b>20,000</b>	<b>324,925</b>
<b>Construction:</b>			
99-D-143, Mixed oxide fuel fabrication facility, Savannah River Site, SC .....	475,788		475,788
99-D-141-01, Pit disassembly and conversion facility, Savannah River Site, SC .....	80,000	-40,000	40,000
99-D-141-02, Waste solidification building, Savannah River Site, SC .....	57,000		57,000
<b>Total, Construction</b> .....	<b>612,788</b>	<b>-40,000</b>	<b>572,788</b>
<b>Total, U.S. surplus fissile materials disposition</b> .....	<b>917,713</b>	<b>-20,000</b>	<b>897,713</b>
Russian surplus materials disposition .....	113,000		113,000
<b>Total, Fissile materials disposition</b> .....	<b>1,030,713</b>	<b>-20,000</b>	<b>1,010,713</b>
Global threat reduction initiative .....	558,838	-4,000	554,838
Gap material .....		[-4,000]	
Subtotal, Defense Nuclear Nonproliferation .....	2,687,167	0	2,687,167
Use of prior year balances .....	0		0
<b>Total, Defense Nuclear Nonproliferation</b> .....	<b>2,687,167</b>	<b>0</b>	<b>2,687,167</b>
Naval Reactors			
Naval reactors development			
Operations and maintenance	997,886		997,886
Operations and maintenance .....		0	
<b>Total, Operations and maintenance</b> .....	<b>997,886</b>	<b>0</b>	<b>997,886</b>

**DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**  
(In Thousands of Dollars)

Program	FY 2011 Request	Senate Change	Senate Authorized
Construction:			
10-D-903, Security upgrades, KAPL .....	400		400
10-D-904, NRF infrastructure upgrades, Idaho .....	500		500
09-D-902, NRF Office Building #2 ECC Upgrade, Idaho .....	4,000		4,000
08-D-190 Expanded Core Facility M-290 recovering discharge station, Naval Reactor Facility, ID .....	25,000		25,000
07-D-190 Materials research technology complex (MRTC) .....	2,700		2,700
<b>Total, Construction</b> .....	<b>32,600</b>	<b>0</b>	<b>32,600</b>
<b>Total, Naval reactors development</b> .....	<b>1,030,486</b>	<b>0</b>	<b>1,030,486</b>
Program direction .....	40,000		40,000
<b>Total, Naval Reactors</b> .....	<b>1,070,486</b>	<b>0</b>	<b>1,070,486</b>
<b>Office Of The Administrator</b>			
Office of the administrator .....	448,267		448,267
<b>Subtotal, Office of the Administrator</b> .....	<b>448,267</b>	<b>0</b>	<b>448,267</b>
<b>Adjustments:</b>			
Use of prior year balances .....	0		0
<b>Subtotal, Office of the Administrator</b> .....	<b>448,267</b>	<b>0</b>	<b>448,267</b>
<b>Total, Office Of The Administrator</b> .....	<b>448,267</b>	<b>0</b>	<b>448,267</b>
<b>Defense Environmental Cleanup</b>			
<b>Closure sites:</b>			
Closure sites administration .....	6,375		6,375
<b>Total, Closure sites</b> .....	<b>6,375</b>	<b>0</b>	<b>6,375</b>
<b>Central plateau remediation</b>			
Nuclear material stabilization and disposition PFP .....	64,969		64,969
SNF stabilization and disposition .....	94,016		94,016
Solid waste stabilization and disposition 2035 .....	135,026		135,026

Soil and water remediation—groundwater vadose zone 2035 .....	129,629	129,629
<b>Total, Central plateau remediation .....</b>	<b>423,640</b>	<b>423,640</b>

**River corridor and other cleanup operations**

Nuclear facility D&D—remainder of Hanford 2035 .....	139,641	139,641
Nuclear facility D&D river corridor closure project .....	386,028	386,028
Richland community and regulatory support .....	19,620	19,620
<b>Total, River corridor &amp; other cleanup operations .....</b>	<b>545,289</b>	<b>545,289</b>
<b>Total, Hanford site .....</b>	<b>968,929</b>	<b>968,929</b>

**Idaho National Laboratory:**

SNF stabilization and disposition—2012 .....	43,337	43,337
Solid waste stabilization and disposition .....	172,631	172,631
Radioactive liquid tank waste stabilization and disposition .....	111,773	111,773

**Construction:**

06-D-401 Sodium bearing waste treatment project, Idaho .....	6,500	6,500
<b>Total, Construction .....</b>	<b>6,500</b>	<b>6,500</b>
Soil and water remediation—2012 .....	68,959	68,959
Idaho community and regulatory support .....	3,900	3,900
<b>Total, Idaho National Laboratory .....</b>	<b>407,100</b>	<b>407,100</b>

**NNSA sites**

Lawrence Livermore National Laboratory .....	635	635
NNSA Service Center/SPRU .....	15,547	15,547
Nevada .....	66,000	66,000
California site support .....	238	238
Los Alamos National Laboratory .....	196,953	196,953
<b>Total, NNSA sites and Nevada off-sites .....</b>	<b>279,373</b>	<b>279,373</b>

**Oak Ridge Reservation:**

Building 3019 .....	50,001	50,001
Nuclear facility D & D ORNL .....	58,101	58,101
Nuclear facility D & D Y-12 .....	63,775	63,775
Nuclear facility D & D, E. Tennessee technology park .....	87	87

**DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**  
(In Thousands of Dollars)

Program	FY 2011 Request	Senate Change	Senate Authorized
OR reservation community and regulatory support .....	6,409		6,409
Solid waste stabilization and disposition—2012 .....	23,925		23,925
<b>Total, Oak Ridge Reservation .....</b>	<b>202,298</b>	<b>0</b>	<b>202,298</b>
<b>Office of River Protection:</b>			
<b>Waste treatment and immobilization plant</b>			
<b>Construction:</b>			
01-D-416, Waste treatment and immobilization plant, Hanford, WA .....			
01-D-16 A-D, facilities .....	370,178		370,178
01-D-16E, Pretreatment facility .....	370,000		370,000
<b>Total, Construction .....</b>	<b>740,178</b>	<b>0</b>	<b>740,178</b>
<b>Total, Waste treatment and immobilization plant .....</b>	<b>740,178</b>	<b>0</b>	<b>740,178</b>
<b>Tank farm activities</b>			
Rad liquid tank waste stabilization and disposition .....	418,000		418,000
<b>Total, Tank farm activities .....</b>	<b>418,000</b>	<b>0</b>	<b>418,000</b>
<b>Total, Office of River protection .....</b>	<b>1,158,178</b>	<b>0</b>	<b>1,158,178</b>
<b>Cleanup and waste disposition</b>			
Savannah River Community and regulatory support .....	18,330		18,330
<b>Total, Cleanup and waste disposition .....</b>	<b>18,330</b>	<b>0</b>	<b>18,330</b>
<b>Site risk management operations</b>			
<b>Radioactive liquid tank waste</b>			
NM stabilization and disposition .....	370,042		370,042
SNF stabilization and disposition .....	23,194		23,194
<b>Total, Radioactive liquid tank waste .....</b>	<b>393,236</b>	<b>0</b>	<b>393,236</b>
<b>Radioactive liquid tank waste stabilization</b>			



Radioactive liquid tank waste stabilization and disposition .....	549,282	549,282	549,282
<b>Construction:</b>			
05-D-405 Salt waste processing facility, Savannah River .....	256,951	256,951	256,951
<b>Total, Construction</b> .....	<b>256,951</b>	<b>256,951</b>	<b>256,951</b>
<b>Total, Radioactive liquid tank waste</b> .....	<b>806,233</b>	<b>806,233</b>	<b>806,233</b>
<b>Total, Site risk management operations</b> .....	<b>1,199,469</b>	<b>1,199,469</b>	<b>1,199,469</b>
<b>Total, Savannah River site</b> .....	<b>1,217,799</b>	<b>1,217,799</b>	<b>1,217,799</b>
<b>Waste Isolation Pilot Plant</b>			
Waste isolation pilot plant .....	134,999	134,999	134,999
Central characterization project .....	25,797	25,797	25,797
Transportation .....	30,678	30,678	30,678
Community and regulatory support .....	28,771	28,771	28,771
<b>Total, Waste Isolation Pilot Plant</b> .....	<b>220,245</b>	<b>220,245</b>	<b>220,245</b>
Program direction .....	323,825	323,825	323,825
Program support .....	25,143	25,143	25,143
<b>Safeguards and Security:</b>			
Oak Ridge Reservation .....	17,300	17,300	17,300
Paducah .....	8,496	8,496	8,496
Portsmouth .....	15,979	15,979	15,979
Richland/Hanford Site .....	69,234	69,234	69,234
Savannah River Site .....	132,064	132,064	132,064
Waste Isolation Pilot Project .....	4,755	4,755	4,755
West Valley .....	1,926	1,926	1,926
<b>Total, Safeguards and Security</b> .....	<b>249,754</b>	<b>249,754</b>	<b>249,754</b>
Technology development .....	32,320	32,320	32,320
Uranium enrichment D&D fund contribution .....	496,700	496,700	496,700
<b>Subtotal, Defense environmental cleanup</b> .....	<b>5,588,039</b>	<b>5,588,039</b>	<b>5,588,039</b>
<b>Total, Defense Environmental Cleanup</b> .....	<b>5,588,039</b>	<b>5,588,039</b>	<b>5,588,039</b>

**DEPARTMENT OF ENERGY NATIONAL SECURITY PROGRAMS**  
(In Thousands of Dollars)

Program	FY 2011 Request	Senate Change	Senate Authorized
<b>Other Defense Activities</b>			
<b>Health, safety and security</b>			
Health, safety and security .....	356,471		356,471
Program direction .....	107,740		107,740
<b>Total, Health, safety and security .....</b>	<b>464,211</b>	<b>0</b>	<b>464,211</b>
<b>Office of Legacy Management</b>			
Legacy management .....	176,122		176,122
Program direction .....	12,504		12,504
<b>Total, Office of Legacy Management .....</b>	<b>188,626</b>	<b>0</b>	<b>188,626</b>
<b>Defense-related activities</b>			
<b>Infrastructure</b>			
Idaho statewide safeguards and security .....	88,200		88,200
<b>Total, Infrastructure .....</b>	<b>88,200</b>	<b>0</b>	<b>88,200</b>
<b>Total, Defense-related activities .....</b>	<b>88,200</b>	<b>0</b>	<b>88,200</b>
<b>Defense related administrative support</b>	<b>118,836</b>		<b>118,836</b>
Acquisitions workforce improvement .....	11,892		11,892
Office of hearings and appeals .....	6,444		6,444
<b>Total, Other Defense Activities .....</b>	<b>878,209</b>	<b>0</b>	<b>878,209</b>
<b>Total, Atomic Energy Defense Activities .....</b>	<b>17,681,003</b>	<b>6,188</b>	<b>17,687,191</b>
<b>Total, Department of Energy .....</b>	<b>17,687,191</b>	<b>0</b>	<b>17,687,191</b>



Calendar No. 417

11<sup>TH</sup> CONGRESS  
2<sup>D</sup> SESSION  
**S. 3457**

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**A BILL**

To authorize appropriations for fiscal year 2011 for defense activities of the Department of Energy, and for other purposes.

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JUNE 4, 2010

Read twice and placed on the calendar