

Calendar No. 636113TH CONGRESS
2^D SESSION**S. 1971****[Report No. 113–296]**

To establish an interagency coordination committee or subcommittee with the leadership of the Department of Energy and the Department of the Interior, focused on the nexus between energy and water production, use, and efficiency, and for other purposes.

IN THE SENATE OF THE UNITED STATES

JANUARY 29, 2014

Ms. MURKOWSKI (for herself, Mr. WYDEN, Mr. UDALL of New Mexico, Ms. LANDRIEU, Mr. SCHATZ, and Ms. BALDWIN) introduced the following bill; which was read twice and referred to the Committee on Energy and Natural Resources

DECEMBER 10, 2014

Reported by Ms. LANDRIEU, with an amendment

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

A BILL

To establish an interagency coordination committee or subcommittee with the leadership of the Department of Energy and the Department of the Interior, focused on the nexus between energy and water production, use, and efficiency, 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 “Nexus of Energy and
 5 Water for Sustainability Act of 2014” or the “NEWS Act
 6 of 2014”.

7 **SEC. 2. DEFINITIONS.**

8 In this Act:

9 (1) **DIRECTOR.**—The term “Director” means
 10 the Director of the Office of Science and Technology
 11 Policy.

12 (2) ~~ENERGY-WATER NEXUS.~~—The term “en-
 13 ergy-water nexus” means the link between—

14 (A) energy efficiency and the quantity of
 15 water needed to produce fuels and energy; and

16 (B) the quantity of energy needed to trans-
 17 port, reclaim, and treat water.

18 (3) **NSTC.**—The term “NSTC” means the Na-
 19 tional Science and Technology Council.

20 (4) **COMMITTEE OR SUBCOMMITTEE.**—The term
 21 “Committee or Subcommittee” means the Com-
 22 mittee on Energy-Water Nexus for Sustainability or
 23 the Subcommittee on Energy-Water Nexus for Sus-
 24 tainability, whichever is established by section 3(a).

1 **SEC. 3. INTERAGENCY COORDINATION COMMITTEE.**

2 (a) ~~ESTABLISHMENT.~~—The Director shall establish
 3 either a committee or a subcommittee under the NSTC,
 4 to be known as either the Committee on Energy-Water
 5 Nexus for Sustainability or the Subcommittee on Energy-
 6 Water Nexus for Sustainability, to carry out the duties
 7 described in subsection (c).

8 (b) ~~ADMINISTRATION.~~—

9 (1) ~~CHAIRS.~~—The Secretary of Energy and
 10 Secretary of the Interior shall serve as co-chairs of
 11 the Committee or Subcommittee.

12 (2) ~~MEMBERSHIP; STAFFING.~~—Membership and
 13 staffing shall be determined by the NSTC.

14 (c) ~~DUTIES.~~—The Committee or Subcommittee
 15 shall—

16 (1) serve as a forum for developing common
 17 Federal goals and plans on energy-water nexus
 18 issues;

19 (2) promote coordination of the activities of all
 20 Federal departments and agencies on energy-water
 21 nexus issues, including the activities of—

22 (A) the Department of Energy;

23 (B) the Department of the Interior;

24 (C) the Corps of Engineers;

25 (D) the Department of Agriculture;

26 (E) the Department of Defense;

- 1 (F) the Department of State;
- 2 (G) the Environmental Protection Agency;
- 3 (H) the Council on Environmental Quality;
- 4 (I) the National Institute of Standards and
- 5 Technology;
- 6 (J) the National Oceanic and Atmospheric
- 7 Administration;
- 8 (K) the National Science Foundation;
- 9 (L) the Office of Management and Budget;
- 10 (M) the Office of Science and Technology
- 11 Policy; and
- 12 (N) such other Federal departments and
- 13 agencies as the Director or the Committee or
- 14 Subcommittee consider appropriate; and
- 15 (3)(A) coordinate and develop capabilities for
- 16 data collection, categorization, and dissemination of
- 17 data from and to other Federal departments and
- 18 agencies; and
- 19 (B) engage in information exchange between
- 20 Federal departments and agencies—
- 21 (i) to identify and document Federal and
- 22 non-Federal programs and funding opportuni-
- 23 ties that support basic and applied research, de-
- 24 velopment, and demonstration proposals to ad-

1 vance the state of energy-water nexus related
2 science and technologies;

3 (ii) if practicable, to leverage existing pro-
4 grams by encouraging joint solicitations, block
5 grants, and matching programs with non-Fed-
6 eral entities; and

7 (iii) to identify opportunities for public-pri-
8 vate partnerships, innovative financing mecha-
9 nisms, and grant challenges.

10 (d) REVIEW; TERMINATION.—At the end of the 10-
11 year period beginning on the date on which the Committee
12 or Subcommittee is established, the Director—

13 (1) shall review the activities of the Committee
14 or Subcommittee and determine the relevance and
15 effectiveness of the Committee or Subcommittee; and

16 (2) based on the determination made under
17 paragraph (1), may terminate the Committee or
18 Subcommittee.

19 **SEC. 4. CROSSCUT BUDGET.**

20 Not later than 30 days after the President submits
21 the budget of the United States Government under section
22 1105 of title 31, United States Code, the Director of the
23 Office of Management and Budget shall submit to the
24 Committee on Energy and Natural Resources of the Sen-
25 ate and the Committee on Energy and Commerce and the

1 Committee on Natural Resources of the House of Rep-
2 resentatives a report that contains—

3 (1) an interagency budget crosscut report
4 that—

5 (A) displays the budget proposed, including
6 any interagency or intraagency transfer, for
7 each of the Federal agencies that carry out en-
8 ergy-water nexus projects for the upcoming fis-
9 cal year, separately showing funding requested
10 under both preexisting authorities and under
11 the new authorities granted by this Act; and

12 (B) identifies all expenditures since 2011
13 by the Federal and State governments on en-
14 ergy-water nexus projects;

15 (2) a detailed accounting of all funds received
16 and obligated by all Federal agencies and State
17 agencies responsible for implementing energy-water
18 nexus projects during the previous fiscal year;

19 (3) a budget for the proposed energy-water
20 nexus projects (including a description of the
21 project, authorization level, and project status) to be
22 carried out in the upcoming fiscal year with the Fed-
23 eral portion of funds for energy-water nexus pro-
24 grams; and

1 (4) a listing of all energy-water nexus projects
 2 to be undertaken in the upcoming fiscal year with
 3 the Federal portion of funds for those projects.

4 **SECTION 1. SHORT TITLE.**

5 *This Act may be cited as the “Nexus of Energy and*
 6 *Water for Sustainability Act of 2014” or the “NEWS Act*
 7 *of 2014”.*

8 **SEC. 2. DEFINITIONS.**

9 *In this Act:*

10 (1) *COMMITTEE OR SUBCOMMITTEE.*—*The term*
 11 *“Committee or Subcommittee” means the Committee*
 12 *on the Nexus of Energy and Water for Sustainability*
 13 *(or the “NEWS Committee”) or the Subcommittee on*
 14 *the Nexus of Energy and Water for Sustainability (or*
 15 *the “NEWS Subcommittee”), whichever is established*
 16 *by section 3(a).*

17 (2) *DIRECTOR.*—*The term “Director” means the*
 18 *Director of the Office of Science and Technology Pol-*
 19 *icy.*

20 (3) *ENERGY-WATER NEXUS.*—*The term “energy-*
 21 *water nexus” means the links between—*

22 (A) *the water needed to produce fuels, elec-*
 23 *tricity, and other forms of energy; and*

24 (B) *the energy needed to transport, reclaim,*
 25 *and treat water and wastewater.*

1 (4) *GRAND CHALLENGES.*—*The term “Grand*
2 *Challenges” means the 21st Century Grand Chal-*
3 *lenges program coordinated by the Office of Science*
4 *and Technology Policy.*

5 (5) *NSTC.*—*The term “NSTC” means the Na-*
6 *tional Science and Technology Council.*

7 (6) *RD&D ACTIVITIES.*—*The term “RD&D ac-*
8 *tivities” means research, development, and dem-*
9 *onstration activities.*

10 **SEC. 3. INTERAGENCY COORDINATION COMMITTEE.**

11 (a) *ESTABLISHMENT.*—*The Director shall establish ei-*
12 *ther a committee or a subcommittee under the NSTC, to*
13 *be known as either the Committee on the Nexus of Energy*
14 *and Water for Sustainability (or the “NEWS Committee”)*
15 *or the Subcommittee on the Nexus of Energy and Water*
16 *for Sustainability (or the “NEWS Subcommittee”), to carry*
17 *out the duties described in subsection (c).*

18 (b) *ADMINISTRATION.*—

19 (1) *CHAIRS.*—*The Secretary of Energy and Sec-*
20 *retary of the Interior shall serve as co-chairs of the*
21 *Committee or Subcommittee.*

22 (2) *MEMBERSHIP; STAFFING.*—*Membership and*
23 *staffing shall be determined by the NSTC.*

24 (c) *DUTIES.*—*The Committee or Subcommittee shall—*

1 (1) *serve as a forum for developing common Fed-*
2 *eral goals and plans on energy-water nexus RD&D*
3 *activities;*

4 (2) *not later than 1 year after the date of enact-*
5 *ment of this Act, and biannually thereafter, issue a*
6 *strategic plan on energy-water nexus RD&D activi-*
7 *ties priorities and objectives;*

8 (3) *promote coordination of the activities of Fed-*
9 *eral departments and agencies on energy-water nexus*
10 *RD&D activities, including the activities of—*

11 (A) *the Department of Energy;*

12 (B) *the Department of the Interior;*

13 (C) *the Corps of Engineers;*

14 (D) *the Department of Agriculture;*

15 (E) *the Department of Defense;*

16 (F) *the Department of State;*

17 (G) *the Environmental Protection Agency;*

18 (H) *the Council on Environmental Quality;*

19 (I) *the National Institute of Standards and*
20 *Technology;*

21 (J) *the National Oceanic and Atmospheric*
22 *Administration;*

23 (K) *the National Science Foundation;*

24 (L) *the Office of Management and Budget;*

1 (M) *the Office of Science and Technology*
2 *Policy; and*

3 (N) *such other Federal departments and*
4 *agencies as the Director or the Committee or*
5 *Subcommittee consider appropriate; and*

6 (4)(A) *coordinate and develop capabilities and*
7 *methodologies for data collection, management, and*
8 *dissemination of information related to energy-water*
9 *nexus RD&D activities from and to other Federal de-*
10 *partments and agencies ; and*

11 (B) *promote information exchange between Fed-*
12 *eral departments and agencies—*

13 (i) *to identify and document Federal and*
14 *non-Federal programs and funding opportunities*
15 *that support basic and applied research, develop-*
16 *ment, and demonstration proposals to advance*
17 *energy-water nexus related science and tech-*
18 *nologies;*

19 (ii) *if practicable, to leverage existing pro-*
20 *grams by encouraging joint solicitations, block*
21 *grants, and matching programs with non-Fed-*
22 *eral entities; and*

23 (iii) *to identify opportunities for domestic*
24 *and international public-private partnerships,*

1 *innovative financing mechanisms, information*
2 *and data exchange, and Grand Challenges.*

3 *(d) REVIEW; REPORT.—At the end of the 10-year pe-*
4 *riod beginning on the date on which the Committee or Sub-*
5 *committee is established, the Director—*

6 *(1) shall review the activities, relevance, and ef-*
7 *fectiveness of the Committee or Subcommittee; and*

8 *(2) submit to the Committee on Energy and Nat-*
9 *ural Resources of the Senate and the Committees on*
10 *Science, Space, and Technology, Energy and Com-*
11 *merce, and Natural Resources of the House of Rep-*
12 *resentatives, a report describing the results of the re-*
13 *view conducted under paragraph (1) and a rec-*
14 *ommendation on whether the Committee or Sub-*
15 *committee should continue.*

16 **SEC. 4. CROSSCUT BUDGET.**

17 *Not later than 30 days after the President submits the*
18 *budget of the United States Government under section 1105*
19 *of title 31, United States Code, the Director of the Office*
20 *of Management and Budget shall submit to the Committee*
21 *on Energy and Natural Resources of the Senate and the*
22 *Committees on Science, Space, and Technology, Energy and*
23 *Commerce, and Natural Resources of the House of Rep-*
24 *resentatives, an interagency budget crosscut report that dis-*
25 *plays at the program-, project-, and activity-level for each*

1 *of the Federal agencies that carry out or support (including*
2 *through grants, contracts, interagency and intraagency*
3 *transfers, multiyear and no-year funds) basic and applied*
4 *RD&D activities to advance the energy-water nexus related*
5 *science and technologies—*

6 (1) *the budget proposed in the budget request of*
7 *the President for the upcoming fiscal year;*

8 (2) *expenditures and obligations for the prior fis-*
9 *cal year; and*

10 (3) *estimated expenditures and obligations for*
11 *the current fiscal year.*

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To establish an interagency coordination committee or subcommittee with the leadership of the Department of Energy and the Department of the Interior, focused on the nexus between energy and water production, use, and efficiency, and for other purposes.

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