

113TH CONGRESS
2D SESSION

S. 2225

To provide for a smart water resource management pilot program.

IN THE SENATE OF THE UNITED STATES

APRIL 9, 2014

Mr. UDALL of New Mexico (for himself and Mr. CHAMBLISS) introduced the following bill; which was read twice and referred to the Committee on Environment and Public Works

A BILL

To provide for a smart water resource management pilot program.

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 “Smart Water Resource
5 Management Conservation and Efficiency Act of 2014”.

6 **SEC. 2. SMART WATER RESOURCE MANAGEMENT PILOT**
7 **PROGRAM.**

8 (a) DEFINITIONS.—In this section:

9 (1) ELIGIBLE ENTITY.—The term “eligible enti-
10 ty” means—

- 1 (A) a utility;
- 2 (B) a municipality;
- 3 (C) a water district; and
- 4 (D) any other authority that provides
- 5 water, wastewater, or water reuse services.

6 (2) SECRETARY.—The term “Secretary” means

7 the Secretary of Energy.

8 (3) SMART WATER RESOURCE MANAGEMENT

9 PILOT PROGRAM.—The term “smart water resource

10 management pilot program” or “pilot program”

11 means the pilot program established under sub-

12 section (b).

13 (b) SMART WATER RESOURCE MANAGEMENT PILOT

14 PROGRAM.—

15 (1) IN GENERAL.—The Secretary shall establish

16 and carry out a smart water resource management

17 pilot program in accordance with this section.

18 (2) PURPOSE.—The purpose of the smart water

19 resource management pilot program is to award

20 grants to eligible entities to demonstrate novel and

21 innovative technology-based solutions that will—

22 (A) increase the energy and water effi-

23 ciency of water, wastewater, and water reuse

24 systems;

1 (B) improve water, wastewater, and water
2 reuse systems to help communities across the
3 United States make significant progress in con-
4 serving water, saving energy, and reducing
5 costs; and

6 (C) support the implementation of innova-
7 tive processes and the installation of advanced
8 automated systems that provide real-time data
9 on energy and water.

10 (3) PROJECT SELECTION.—

11 (A) IN GENERAL.—The Secretary shall
12 make competitive, merit-reviewed grants under
13 the pilot program to not less than 3, but not
14 more than 5, eligible entities.

15 (B) SELECTION CRITERIA.—In selecting an
16 eligible entity to receive a grant under the pilot
17 program, the Secretary shall consider—

18 (i) energy and cost savings;

19 (ii) the novelty of the technology to be
20 used;

21 (iii) the degree to which the project
22 integrates next-generation sensors, soft-
23 ware, analytics, and management tools;

24 (iv) the anticipated cost-effectiveness
25 of the pilot project in terms of energy effi-

1 ciency savings, water savings or reuse, and
2 infrastructure costs averted;

3 (v) whether the technology can be de-
4 ployed in a variety of geographic regions
5 and the degree to which the technology can
6 be implemented on a smaller or larger
7 scale; and

8 (vi) whether the project will be com-
9 pleted in 5 years or less.

10 (C) APPLICATIONS.—

11 (i) IN GENERAL.—Subject to clause
12 (ii), an eligible entity seeking a grant
13 under the pilot program shall submit to
14 the Secretary an application at such time,
15 in such manner, and containing such infor-
16 mation as the Secretary determines to be
17 necessary.

18 (ii) CONTENTS.—An application under
19 clause (i) shall, at a minimum, include—

20 (I) a description of the project;

21 (II) a description of the tech-
22 nology to be used in the project;

23 (III) the anticipated results, in-
24 cluding energy and water savings, of
25 the project;

1 (IV) a comprehensive budget for
2 the project;

3 (V) the names of the project lead
4 organization and any partners;

5 (VI) the number of users to be
6 served by the project; and

7 (VII) any other information that
8 the Secretary determines to be nec-
9 essary to complete the review and se-
10 lection of a grant recipient.

11 (4) ADMINISTRATION.—

12 (A) IN GENERAL.—Not later than 300
13 days after the date of enactment of this Act,
14 the Secretary shall select grant recipients under
15 this section.

16 (B) EVALUATIONS.—The Secretary shall
17 annually carry out an evaluation of each project
18 for which a grant is provided under this section
19 that—

20 (i) evaluates the progress and impact
21 of the project; and

22 (ii) assesses the degree to which the
23 project is meeting the goals of the pilot
24 program.

1 (C) TECHNICAL AND POLICY ASSIST-
2 ANCE.—On the request of a grant recipient, the
3 Secretary shall provide technical and policy as-
4 sistance.

5 (D) BEST PRACTICES.—The Secretary
6 shall make available to the public—

7 (i) a copy of each evaluation carried
8 out under subparagraph (B); and

9 (ii) a description of any best practices
10 identified by the Secretary as a result of
11 those evaluations.

12 (E) REPORT TO CONGRESS.—The Sec-
13 retary shall submit to Congress a report con-
14 taining the results of each evaluation carried
15 out under subparagraph (B).

16 (c) FUNDING.—

17 (1) IN GENERAL.—The Secretary shall use not
18 less than \$7,500,000 of amounts made available to
19 the Secretary to carry out this section.

20 (2) PRIORITIZATION.—In funding activities
21 under this section, the Secretary shall prioritize
22 funding in the following manner:

23 (A) Any unobligated amounts made avail-
24 able to the Secretary to carry out the activities

1 of the Energy Efficiency and Renewable Energy
2 Office.

3 (B) Any unobligated amounts (other than
4 those described in subparagraph (A)) made
5 available to the Secretary.

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