

113TH CONGRESS  
2D SESSION

# H. R. 5149

To provide for a smart water management pilot program.

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## IN THE HOUSE OF REPRESENTATIVES

JULY 17, 2014

Mr. MCNERNEY (for himself and Mr. KINZINGER of Illinois) introduced the following bill; which was referred to the Committee on Energy and Commerce, and in addition to the Committees on Science, Space, and Technology, Natural Resources, and Transportation and Infrastructure, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned

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## A BILL

To provide for a smart water 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 Manage-  
5 ment Conservation and Efficiency Act of 2014”.

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

7 (a) DEFINITIONS.—In this section:

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

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

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

8 the Secretary of Energy.

9 (3) SMART WATER MANAGEMENT PILOT PRO-

10 GRAM.—The term “smart water management pilot

11 program” or “pilot program” means the pilot pro-

12 gram established under subsection (b).

13 (b) SMART WATER MANAGEMENT PILOT PRO-

14 GRAM.—

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

16 and carry out a smart water management pilot pro-

17 gram in accordance with this section.

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

19 management pilot program is to award grants to eli-

20 gible entities to demonstrate and deploy novel and

21 innovative technology-based solutions that will—

22 (A) increase the energy and water effi-

23 ciency of drinking water, wastewater treatment,

24 and water reuse systems;

1 (B) improve drinking water, water reuse,  
2 and wastewater treatment systems to help com-  
3 munities across the United States make signifi-  
4 cant progress in conserving water, saving en-  
5 ergy, and reducing 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 ASSISTANCE.—On the re-  
2 quest of a grant recipient, the Secretary shall  
3 provide technical assistance.

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

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

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

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

15 (c) FUNDING.—

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

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

22 (A) Any unobligated amounts made avail-  
23 able to the Secretary to carry out the activities  
24 of the Energy Efficiency and Renewable Energy  
25 Office.

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

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