Calendar No. 299

107TH CONGRESS
1ST SESSION

H. R. 3178

IN THE SENATE OF THE UNITED STATES

DECEMBER 19 (legislative day, DECEMBER 18), 2001

Received; read twice and placed on the calendar

AN ACT

To authorize the Environmental Protection Agency to provide funding to support research and development projects for the security of water infrastructure.

1   *Be it enacted by the Senate and House of Representa-*

2 *tives of the United States of America in Congress assembled,*

SECTION 1. SHORT TITLE.

This Act may be cited as the "Water Infrastructure Security and Research Development Act".

SEC. 2. DEFINITIONS.

For purposes of this Act—

    (1) the term "Administrator" means the Administrator of the Environmental Protection Agency;

    (2) the term "research organization" means a public or private institution or entity, including a national laboratory, State or local agency, university, or association of water management professionals, or a consortium of such institutions or entities, that has the expertise to conduct research to improve the security of water supply systems; and

    (3) the term "water supply system" means a public water system, as defined in section 1401(4) of the Safe Drinking Water Act (42 U.S.C. 300f(4)), and a treatment works, as defined in section 212 of the Federal Water Pollution Control Act (33 U.S.C. 1292), that is publicly owned or principally treating municipal waste water or domestic sewage.

SEC. 3. WATER SUPPLY SYSTEM SECURITY RESEARCH AS-
        SISTANCE.

(a) IN GENERAL.—The Administrator, in consultation and coordination with other relevant Federal agencies, shall establish a program of research and develop-

1 ment activities to achieve short-term and long-term im-
2 provements to technologies and related processes for the
3 security of water supply systems. In carrying out the pro-
4 gram, the Administrator shall make grants to or enter into
5 cooperative agreements, interagency agreements, or con-
6 tracts with research organizations.

7 (b) PROJECTS.—Awards provided under this section
8 shall be used by a research organization to—

9   (1) conduct research related to or develop vul-
10   nerability assessment technologies and related proc-
11   esses for water supply systems to assess physical
12   vulnerabilities (including biological, chemical, and
13   radiological contamination) and information systems
14   vulnerabilities;

15   (2) conduct research related to or develop tech-
16   nologies and related processes for protecting the
17   physical assets and information systems of water
18   supply systems from threats;

19   (3) develop programs for appropriately dissemi-
20   nating the results of research and development to
21   the public to increase awareness of the nature and
22   extent of threats to water supply systems, and to
23   managers of water supply systems to increase the
24   use of technologies and related processes for re-
25   sponding to those threats;

1   (4) develop scientific protocols for physical and

2 information systems security at water supply sys-

3 tems;

4   (5) conduct research related to or develop real-

5 time monitoring systems to protect against chemical,

6 biological, and radiological attacks;

7   (6) conduct research related to or develop tech-

8 nologies and related processes for mitigation of, re-

9 sponse to, and recovery from biological, chemical,

10 and radiological contamination of water supply sys-

11 tems; or

12   (7) carry out other research and development

13 activities the Administrator considers appropriate to

14 improve the security of water supply systems.

15 (c) GUIDELINES, PROCEDURES, AND CRITERIA.—

16   (1) REQUIREMENT.—The Administrator shall,

17 in consultation with representatives of relevant Fed-

18 eral and State agencies, water supply systems, and

19 other appropriate public and private entities, publish

20 application and selection guidelines, procedures, and

21 criteria for awards under this section.

22   (2) REPORT TO CONGRESS.—Not later than 90

23 days before publication under paragraph (1), the

24 Administrator shall transmit to Congress the guide-

1 lines, procedures, and criteria proposed to be pub-

2 lished under paragraph (1).

3 (3) DIVERSITY OF AWARDS.—The Adminis-

4 trator shall ensure that, to the maximum extent

5 practicable, awards under this section are made for

6 a wide variety of projects described in subsection (b)

7 to meet the needs of water supply systems of various

8 sizes and are provided to geographically, socially,

9 and economically diverse recipients.

10 (4) SECURITY.—The Administrator shall in-

11 clude as a condition for receiving an award under

12 this section requirements to ensure that the recipient

13 has in place appropriate security measures regarding

14 the entities and individuals who carry out research

15 and development activities under the award.

16 (5) DISSEMINATION.—The Administrator shall

17 include as a condition for receiving an award under

18 this section requirements to ensure the appropriate

19 dissemination of the results of activities carried out

20 under the award.

21 **SEC. 4. EFFECT ON OTHER AUTHORITIES.**

22 Nothing in this Act limits or preempts authorities of

23 the Administrator under other provisions of law (including

24 the Safe Drinking Water Act and the Federal Water Pol-

25 lution Control Act) to award grants or to enter into inter-

1 agency agreements, cooperative agreements, or contracts

2 for the types of projects and activities described in this

3 Act.

SEC. 5. AUTHORIZATION OF APPROPRIATIONS.

5 (a) IN GENERAL.—There are authorized to be appro-

6 priated to the Administrator to carry out this Act

7 $12,000,000 for each of the fiscal years 2002, 2003, 2004,

8 2005, and 2006.

9 (b) AVAILABILITY.—Funds appropriated under sub-

10 section (a) shall remain available until expended.

Passed the House of Representatives December 18, 2001.

Attest: JEFF TRANDAHL,

Clerk.

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