

107TH CONGRESS  
1ST SESSION

# H. R. 3178

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## AN ACT

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



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## 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,*

1 **SECTION 1. SHORT TITLE.**

2 This Act may be cited as the “Water Infrastructure  
3 Security and Research Development Act”.

4 **SEC. 2. DEFINITIONS.**

5 For purposes of this Act—

6 (1) the term “Administrator” means the Ad-  
7 ministrator of the Environmental Protection Agency;

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

15 (3) the term “water supply system” means a  
16 public water system, as defined in section 1401(4) of  
17 the Safe Drinking Water Act (42 U.S.C. 300f(4)),  
18 and a treatment works, as defined in section 212 of  
19 the Federal Water Pollution Control Act (33 U.S.C.  
20 1292), that is publicly owned or principally treating  
21 municipal waste water or domestic sewage.

22 **SEC. 3. WATER SUPPLY SYSTEM SECURITY RESEARCH AS-**  
23 **SISTANCE.**

24 (a) IN GENERAL.—The Administrator, in consulta-  
25 tion and coordination with other relevant Federal agen-  
26 cies, 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.

4 **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:

*Clerk.*