

Calendar No. 375

104TH CONGRESS
2D Session

S. 811

[Report No. 104-254]

A BILL

To authorize research into the desalinization and reclamation of water and authorize a program for States, cities, or qualifying agencies desiring to own and operate a water desalinization or reclamation facility to develop such facilities, and for other purposes.

APRIL 18, 1996

Reported with an amendment

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To authorize research into the desalinization and reclamation of water and authorize a program for States, cities, or qualifying agencies desiring to own and operate a water desalinization or reclamation facility to develop such facilities, and for other purposes.

IN THE SENATE OF THE UNITED STATES

MAY 17 (legislative day, MAY 15), 1995

Mr. SIMON (for himself, Mr. REID, Mr. MOYNIHAN, Mr. BROWN, Mr. BRYAN, Mr. CAMPBELL, Mr. MACK, Mr. GRAHAM, Mrs. BOXER, Mrs. FEINSTEIN, and Mr. ROBB) introduced the following bill; which was read twice and referred to the Committee on Environment and Public Works

APRIL 18, 1996

Reported by Mr. CHAFEE, with an amendment

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

A BILL

To authorize research into the desalinization and reclamation of water and authorize a program for States, cities, or qualifying agencies desiring to own and operate a water desalinization or reclamation facility to develop such facilities, 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 “Water Desalinization
5 Research and Development Act of 1995”.

6 **SEC. 2. DECLARATION OF POLICY.**

7 In view of the increasing shortage of usable surface
8 and ground water in many parts of the United States and
9 the world, it is the policy of the United States to—

10 (1) perform research to develop low-cost alter-
11 natives for desalinization of saline water and rec-
12 lamation of nonusable nonsaline water to provide
13 water of a quality suitable for environmental en-
14 hancement, agricultural, industrial, municipal, and
15 other beneficial consumptive or nonconsumptive
16 uses; and

17 (2) provide, through cooperative activities with
18 local sponsors, desalinization and water reclamation
19 processes and facilities that provide proof-of-concept
20 demonstrations of advanced technologies for the pur-
21 pose of developing and conserving the water re-
22 sources of this Nation and the world.

23 **SEC. 3. DEFINITIONS.**

24 In this Act:

1 (1) DESALINIZATION.—The term “desaliniza-
2 tion” means the use of any process or technique (by
3 itself or in conjunction with other processes or tech-
4 niques) for the removal and, when feasible, adapta-
5 tion to beneficial use, of organic and inorganic ele-
6 ments and compounds from saline water.

7 (2) NONUSABLE NONSALINE WATER.—The
8 term “nonusable nonsaline water” that is not saline
9 water but, because it contains biological or other im-
10 purities, is not usable water.

11 (3) RECLAMATION.—The term “reclamation”
12 means the use of any process or techniques (by itself
13 or in conjunction with other processes or techniques)
14 for the removal and, when feasible, adaptation to
15 beneficial use, of organic and inorganic elements and
16 compounds from nonusable nonsaline water.

17 (4) SALINE WATER.—The term “saline water”
18 means sea water, brackish water, and other mineral-
19 ized or chemically impaired water.

20 (5) SPONSOR.—The term “sponsor” means a
21 local, State, or interstate agency responsible for the
22 sale and delivery of usable water that has the legal
23 and financial authority and capability to provide the
24 financial and real property requirements needed for
25 a desalinization or reclamation facility.

1 (6) UNITED STATES.—The term “United
 2 States” means the States of the United States, the
 3 District of Columbia, the Commonwealth of Puerto
 4 Rico, and the territories and possessions of the Unit-
 5 ed States.

6 (7) USABLE WATER.—The term “usable water”
 7 means water of a high quality suitable for environ-
 8 mental enhancement, agricultural, industrial, munic-
 9 ipal, and other beneficial consumptive or non-
 10 consumptive uses.

11 **SEC. 4. RESEARCH AND DEVELOPMENT.**

12 (a) IN GENERAL.—In order to gain basic knowledge
 13 concerning the most efficient means by which usable water
 14 can be produced from saline or nonusable nonsaline water,
 15 the Secretary of the Interior, in consultation with the Sec-
 16 retary of the Army, shall conduct a basic research and
 17 development program under this section.

18 (b) CONTENTS OF PROGRAM.—For the basic research
 19 and development program, the Secretary of the Interior
 20 shall—

21 (1) conduct, encourage, and promote fundamen-
 22 tal scientific research and basic studies to develop
 23 the best and most economical processes and methods
 24 for converting saline water and nonusable nonsaline

1 water into usable water through research grants and
2 contracts—

3 (A) to conduct research and technical de-
4 velopment work;

5 (B) to make studies in order to ascertain
6 the optimum mix of investment and operating
7 costs;

8 (C) to determine the best designs for dif-
9 ferent conditions of operation; and

10 (D) to investigate increasing the economic
11 efficiency of desalinization or reclamation pro-
12 cesses by using the processes as dual-purpose co-
13 facilities with other processes involving the use
14 of water;

15 (2) study methods for the recovery of byprod-
16 ucts resulting from the desalinization or reclamation
17 of water to offset the costs of treatment and to re-
18 duce the environmental impact from those byprod-
19 ucts; and

20 (3) prepare a management plan for conduct of
21 the research and development program established
22 under this section.

23 (e) COORDINATION WITH OTHER AGENCIES.—

1 (1) IN GENERAL.—The Secretary of the Inte-
 2 rior shall conduct activities under this section in co-
 3 ordination with—

4 (A) the Department of Commerce, specifi-
 5 cally with respect to marketing and inter-
 6 national competition; and

7 (B)(i) the Departments of Defense, Agri-
 8 culture, State, Health and Human Services,
 9 and Energy;

10 (ii) the Environmental Protection Agency;

11 (iii) the Agency for International Develop-
 12 ment; and

13 (iv) other concerned public and private en-
 14 tities.

15 (2) OTHER AGENCIES.—In addition to the
 16 agencies identified in paragraph (1), other interested
 17 agencies may furnish appropriate resources to the
 18 Secretary of the Interior to further the activities in
 19 which such other agencies are interested.

20 (d) AVAILABILITY OF RESEARCH.—All research
 21 sponsored or funded under this section shall be carried
 22 out in such a manner that information, products, proc-
 23 esses, and other developments resulting from Federal ex-
 24 penditures or authorities shall (with exceptions necessary

1 for national defense and the protection of patent rights)
 2 be available to the general public.

3 ~~(c) RELATIONSHIP TO ANTITRUST LAWS.—Section~~
 4 ~~10 of the Federal Nonnuclear Energy Research and Devel-~~
 5 ~~opment Act of 1974 (42 U.S.C. 5909) shall apply to the~~
 6 ~~activities of persons in connection with grants and con-~~
 7 ~~tracts made by the Secretary of the Interior under this~~
 8 ~~section.~~

9 **SEC. 5. DESALINIZATION DEVELOPMENT PROGRAM.**

10 ~~(a) IN GENERAL.—The Secretary of the Interior and~~
 11 ~~the Secretary of the Army shall jointly—~~

12 ~~(1) conduct a desalinization development pro-~~
 13 ~~gram; and~~

14 ~~(2) in connection with the program, design and~~
 15 ~~construct desalination facilities.~~

16 ~~(b) SELECTION OF DESALINIZATION DEVELOPMENT~~
 17 ~~FACILITIES.—~~

18 ~~(1) APPLICATION.—A sponsor shall submit to~~
 19 ~~the Secretary of the Interior and Secretary of the~~
 20 ~~Army an application for the design and construction~~
 21 ~~of a facility and certification that the sponsor will~~
 22 ~~provide the required cost sharing.~~

23 ~~(2) SELECTION.—Facilities shall be selected~~
 24 ~~subject to availability of Federal funds.~~

25 ~~(c) COST SHARING.—~~

1 (1) ~~INITIAL COST.~~—The initial cost of a facility
2 shall include—

3 (A) ~~design costs;~~

4 (B) ~~construction costs;~~

5 (C) ~~lands, easements, and rights-of-way~~
6 ~~costs; and~~

7 (D) ~~relocation costs.~~

8 (2) ~~MINIMUM SPONSOR SHARE.~~—The sponsor
9 for a facility under the desalinization development
10 program shall pay, during construction, at least 25
11 percent of the initial cost of the facility, including
12 providing all lands, easements, and rights-of-way
13 and performing all related necessary relocations.

14 (3) ~~MAXIMUM FEDERAL SHARE.~~—The Sec-
15 retary of the Interior and Secretary of the Army
16 shall pay not more than \$10,000,000 of the initial
17 cost of a facility.

18 (d) ~~OPERATION AND MAINTENANCE.~~—Operation,
19 maintenance, repair, and rehabilitation of a desalinization
20 facility shall be the responsibility of the sponsor of the
21 facility.

22 (e) ~~REVENUE.~~—All revenue generated from the sale
23 of usable water from a desalinization facility shall be re-
24 tained by the sponsor of the facility.

1 **SEC. 6. MISCELLANEOUS AUTHORITIES.**

2 In carrying out sections 5 and 6, the Secretary of
3 the Interior and the Secretary of the Army may—

4 (1) accept technical and administrative assist-
5 ance from a State or other public entities and from
6 private persons in connection with research and de-
7 velopment activities relating to desalinization and
8 reclamation of water;

9 (2) enter into contracts or agreements stating
10 the purpose for which the assistance is contributed
11 and, in appropriate circumstances, providing for the
12 sharing of costs between the Secretary and such en-
13 tities or persons;

14 (3) make grants to educational and scientific
15 institutions;

16 (4) contract with educational and scientific in-
17 stitutions and engineering and industrial firms;

18 (5) by competition or noncompetitive contract
19 or any other means, engage the services of necessary
20 personnel, industrial and engineering firms, and edu-
21 cational institutions;

22 (6) use the facilities and personnel of Federal,
23 State, municipal, and private scientific laboratories;

24 (7) contract for or establish and operate facili-
25 ties and tests to conduct research, testing, and de-
26 velopment necessary for the purposes of this Act;

1 (8) acquire processes, data, inventions, patent
2 applications, patents, licenses, lands, interests in
3 lands and water, facilities, and other property by
4 purchase, license, lease, or donation;

5 (9) assemble and maintain domestic and foreign
6 scientific literature and issue pertinent biblio-
7 graphical data;

8 (10) conduct inspections and evaluations of do-
9 mestic and foreign facilities and cooperate and par-
10 ticipate in their development;

11 (11) conduct and participate in regional, na-
12 tional, and international conferences relating to the
13 desalinization of water;

14 (12) coordinate, correlate, and publish informa-
15 tion which will advance the development of the desa-
16 linization of water; and

17 (13) cooperate with Federal, State, and munici-
18 pal departments, agencies and instrumentalities, and
19 with private persons, firms, educational institutions,
20 and other organizations, including foreign govern-
21 ments, departments, agencies, companies, and in-
22 strumentalities, in effectuating the purposes of this
23 Act.

1 **SEC. 7. DESALINIZATION CONFERENCE.**

2 ~~(a) ESTABLISHMENT.~~—The President is requested to
3 instruct the Administrator of the Agency for International
4 Development to sponsor an international desalinization
5 conference within 1 year after the date of enactment of
6 this Act.

7 ~~(b) PARTICIPANTS.~~—Participants in the conference
8 under subsection (a) should include scientists; private in-
9 dustry experts; desalinization experts and operators; gov-
10 ernment officials from the nations that use and conduct
11 research on desalinization; and government officials from
12 nations that could benefit from low-cost desalinization
13 technology (particularly nations in the developing world);
14 and international financial institutions.

15 ~~(c) PURPOSE.~~—The conference under subsection (a)
16 shall—

17 ~~(1)~~ explore promising new technologies and
18 methods to make affordable desalinization a reality
19 in the near term; and

20 ~~(2)~~ propose a research agenda and a plan of ac-
21 tion to guide longer-term development of practical
22 desalinization applications.

23 ~~(d) FUNDING.~~—

24 ~~(1) AID FUNDS.~~—Funding for the conference
25 under subsection (a) may come from operating or

1 program funds of the Agency for International De-
2 velopment.

3 ~~(2) OTHER NATIONS.~~—The Agency for Inter-
4 national Development shall encourage financial and
5 other support from other nations, including those
6 that have desalinization technology and those that
7 might benefit from such technology.

8 **SEC. 8. REPORTS.**

9 ~~(a) IN GENERAL.~~—Not later than 1 year after follow-
10 ing the date of enactment of this Act, and annually there-
11 after, the Secretary of the Interior, in consultation with
12 the Secretary of the Army, shall prepare a report to the
13 President and Congress concerning the administration of
14 this Act.

15 ~~(b) CONTENTS.~~—A report under subsection (a) shall
16 describe—

17 ~~(1)~~ the actions taken by the Secretary of the
18 Interior and the Secretary of the Army during the
19 calendar year preceding the year in the report is
20 submitted; and

21 ~~(2)~~ the actions planned for the following cal-
22 endar year.

23 **SEC. 11. AUTHORIZATION OF APPROPRIATIONS.**

24 ~~(a) RESEARCH AND DEVELOPMENT.~~—There are au-
25 thorized to be appropriated to carry out section 4—

- 1 (1) \$5,000,000 for fiscal year 1996;
- 2 (2) \$10,000,000 for fiscal year 1997; and
- 3 (3) such sums as are necessary for fiscal years
- 4 1998, 1999, and 2000.

5 (b) DESALINIZATION DEVELOPMENT PROGRAM.—

6 There are authorized to be appropriated to carry out sec-
 7 tion 5 such sums as are necessary, up to a total of
 8 \$50,000,000, for fiscal years 1996, 1997, 1998, 1999, and
 9 2000, of which 50 percent shall be made available to the
 10 Department of the Interior and 50 percent shall be made
 11 available to the civil works program of the Army Corps
 12 of Engineers.

13 **SECTION 1. SHORT TITLE.**

14 *This Act may be cited as the “Water Desalinization*
 15 *Research and Development Act of 1996”.*

16 **SEC. 2. DECLARATION OF POLICY.**

17 *In view of the increasing shortage of usable surface and*
 18 *ground water in many parts of the United States and the*
 19 *world, it is the policy of the United States to—*

- 20 (1) *perform research to develop low-cost alter-*
- 21 *natives for desalinization of saline water and rec-*
- 22 *lamation of nonusable nonsaline water to provide*
- 23 *water of a quality suitable for environmental en-*
- 24 *hancement, agricultural, industrial, municipal, and*

1 *other beneficial consumptive or nonconsumptive uses;*
 2 *and*

3 *(2) provide, through cooperative activities with*
 4 *local sponsors, desalinization and water reclamation*
 5 *processes and facilities that provide proof-of-concept*
 6 *demonstrations of advanced technologies for the pur-*
 7 *pose of developing and conserving the water resources*
 8 *of this Nation and the world.*

9 **SEC. 3. DEFINITIONS.**

10 *In this Act:*

11 *(1) DESALINIZATION.—The term “desaliniza-*
 12 *tion” means the use of any process or technique (by*
 13 *itself or in conjunction with other processes or tech-*
 14 *niques) for the removal and, when feasible, adapta-*
 15 *tion to beneficial use, of organic and inorganic ele-*
 16 *ments and compounds from saline water.*

17 *(2) NONUSABLE NONSALINE WATER.—The term*
 18 *“nonusable nonsaline water” means water that is not*
 19 *saline water but, because it contains biological or*
 20 *other impurities, is not usable water.*

21 *(3) RECLAMATION.—The term “reclamation”*
 22 *means the use of any process or technique (by itself*
 23 *or in conjunction with other processes or techniques)*
 24 *for the removal and, when feasible, adaptation to ben-*

1 *eficial use, of organic and inorganic elements and*
 2 *compounds from nonusable nonsaline water.*

3 (4) *SALINE WATER.*—*The term “saline water”*
 4 *means sea water, brackish water, and other mineral-*
 5 *ized or chemically impaired water.*

6 (5) *SPONSOR.*—*The term “sponsor” means a*
 7 *local, State, or qualifying agency responsible for the*
 8 *sale and delivery of usable water that has the legal*
 9 *authority and financial capability to provide the fi-*
 10 *nancial and real property requirements needed for a*
 11 *desalinization or reclamation facility.*

12 (6) *UNITED STATES.*—*The term “United States”*
 13 *means the States of the United States, the District of*
 14 *Columbia, the Commonwealth of Puerto Rico, and the*
 15 *territories and possessions of the United States.*

16 (7) *USABLE WATER.*—*The term “usable water”*
 17 *means water of a high quality suitable for environ-*
 18 *mental enhancement, agricultural, industrial, munic-*
 19 *ipal, and other beneficial consumptive or non-*
 20 *consumptive uses.*

21 **SEC. 4. RESEARCH AND DEVELOPMENT.**

22 (a) *IN GENERAL.*—*In order to gain basic knowledge*
 23 *concerning the most efficient means by which usable water*
 24 *can be produced from saline or nonusable nonsaline water,*
 25 *the Secretary of the Interior, in consultation with the Sec-*

1 *retary of the Army, shall conduct a basic research and de-*
 2 *velopment program under this section.*

3 *(b) CONTENTS OF PROGRAM.—For the basic research*
 4 *and development program, the Secretary of the Interior*
 5 *shall—*

6 *(1) conduct, encourage, and promote fundamen-*
 7 *tal scientific research and basic studies to develop the*
 8 *best and most economical processes and methods for*
 9 *converting saline water and nonusable nonsaline*
 10 *water into usable water through research grants and*
 11 *contracts—*

12 *(A) to conduct research and technical devel-*
 13 *opment work;*

14 *(B) to make studies in order to ascertain*
 15 *the optimum mix of investment and operating*
 16 *costs;*

17 *(C) to determine the best designs for dif-*
 18 *ferent conditions of operation; and*

19 *(D) to investigate increasing the economic*
 20 *efficiency of desalinization or reclamation proc-*
 21 *esses by using the processes as dual-purpose co-*
 22 *facilities with other processes involving the use of*
 23 *water;*

24 *(2) study methods for the recovery of byproducts*
 25 *resulting from the desalinization or reclamation of*

1 *water to offset the costs of treatment and to reduce the*
 2 *environmental impact from those byproducts; and*

3 *(3) prepare a management plan for conduct of*
 4 *the research and development program established*
 5 *under this section.*

6 *(c) COORDINATION WITH OTHER AGENCIES.—*

7 *(1) IN GENERAL.—The Secretary of the Interior*
 8 *shall conduct activities under this section in coordi-*
 9 *nation with—*

10 *(A) the Department of Commerce, specifi-*
 11 *cally with respect to marketing and inter-*
 12 *national competition; and*

13 *(B)(i) the Departments of Defense, Agri-*
 14 *culture, State, Health and Human Services, and*
 15 *Energy;*

16 *(ii) the Environmental Protection Agency;*

17 *(iii) the Agency for International Develop-*
 18 *ment; and*

19 *(iv) other concerned public and private en-*
 20 *tities.*

21 *(2) OTHER AGENCIES.—In addition to the agen-*
 22 *cies identified in paragraph (1), other interested*
 23 *agencies may furnish appropriate resources to the*
 24 *Secretary of the Interior to further the activities in*
 25 *which such other agencies are interested.*

1 (d) *AVAILABILITY OF RESEARCH.*—All research spon-
 2 sored or funded under this section shall be carried out in
 3 such a manner that information, products, processes, and
 4 other developments resulting from Federal expenditures or
 5 authorities shall (with exceptions necessary for national de-
 6 fense and the protection of patent rights) be available to
 7 the general public.

8 (e) *RELATIONSHIP TO ANTITRUST LAWS.*—Section 10
 9 of the Federal Nonnuclear Energy Research and Develop-
 10 ment Act of 1974 (42 U.S.C. 5909) shall apply to the activi-
 11 ties of persons in connection with grants and contracts
 12 made by the Secretary of the Interior under this section.

13 ***SEC. 5. DESALINIZATION DEVELOPMENT PROGRAM.***

14 (a) *IN GENERAL.*—The Secretary of the Interior and
 15 the Secretary of the Army shall jointly—

16 (1) *conduct a desalinization development pro-*
 17 *gram; and*

18 (2) *in connection with the program, design and*
 19 *construct desalinization facilities.*

20 (b) *SELECTION OF DESALINIZATION DEVELOPMENT*
 21 *FACILITIES.*—

22 (1) *APPLICATION.*—A sponsor shall submit to the
 23 Secretary of the Interior and Secretary of the Army
 24 an application for the design and construction of a

1 *desalinization facility and certification that the spon-*
 2 *sor will provide the required cost sharing.*

3 (2) *SELECTION.—Facilities shall be selected sub-*
 4 *ject to availability of Federal funds.*

5 (c) *COST SHARING.—*

6 (1) *INITIAL COST.—The initial cost of a facility*
 7 *shall include—*

8 (A) *design costs;*

9 (B) *construction costs;*

10 (C) *lands, easements, and rights-of-way*
 11 *costs; and*

12 (D) *relocation costs.*

13 (2) *MINIMUM SPONSOR SHARE.—The sponsor for*
 14 *a facility under the desalinization development pro-*
 15 *gram shall pay, during construction, at least 25 per-*
 16 *cent of the initial cost of the facility, including pro-*
 17 *viding all lands, easements, and rights-of-way and*
 18 *performing all related necessary relocations.*

19 (3) *MAXIMUM FEDERAL SHARE.—The Secretary*
 20 *of the Interior and Secretary of the Army shall pay*
 21 *not more than \$10,000,000 of the initial cost of a fa-*
 22 *cility.*

23 (d) *OPERATION AND MAINTENANCE.—Operation,*
 24 *maintenance, repair, and rehabilitation of a desalinization*

1 *facility shall be the responsibility of the sponsor of the facil-*
 2 *ity.*

3 *(e) REVENUE.—All revenue generated from the sale of*
 4 *usable water from a desalinization facility shall be retained*
 5 *by the sponsor of the facility.*

6 **SEC. 6. MISCELLANEOUS AUTHORITIES.**

7 *In carrying out sections 4 and 5, the Secretary of the*
 8 *Interior and the Secretary of the Army may—*

9 *(1) accept technical and administrative assist-*
 10 *ance from a State or other public entities and from*
 11 *private persons in connection with research and de-*
 12 *velopment activities relating to desalinization and*
 13 *reclamation of water;*

14 *(2) enter into contracts or agreements stating the*
 15 *purpose for which the assistance is contributed and,*
 16 *in appropriate circumstances, providing for the shar-*
 17 *ing of costs between the Secretary and such entities or*
 18 *persons;*

19 *(3) make grants to educational and scientific in-*
 20 *stitutions;*

21 *(4) contract with educational and scientific in-*
 22 *stitutions and engineering and industrial firms;*

23 *(5) by competition or noncompetitive contract or*
 24 *any other means, engage the services of necessary per-*

1 *sonnel, industrial and engineering firms, and edu-*
2 *cational institutions;*

3 *(6) use the facilities and personnel of Federal,*
4 *State, municipal, and private scientific laboratories;*

5 *(7) contract for or establish and operate facilities*
6 *and tests to conduct research, testing, and develop-*
7 *ment necessary for the purposes of this Act;*

8 *(8) acquire processes, data, inventions, patent*
9 *applications, patents, licenses, lands, interests in land*
10 *and water, facilities, and other property by purchase,*
11 *license, lease, or donation;*

12 *(9) assemble and maintain domestic and foreign*
13 *scientific literature and issue pertinent biblio-*
14 *graphical data;*

15 *(10) conduct inspections and evaluations of do-*
16 *mestic and foreign facilities and cooperate and par-*
17 *ticipate in their development;*

18 *(11) conduct and participate in regional, na-*
19 *tional, and international conferences relating to the*
20 *desalinization of water;*

21 *(12) coordinate, correlate, and publish informa-*
22 *tion that will advance the development of the desalin-*
23 *ization of water; and*

24 *(13) cooperate with Federal, State, and municipi-*
25 *pal departments, agencies, and instrumentalities, and*

1 with private persons, firms, educational institutions,
 2 and other organizations, including foreign govern-
 3 ments, departments, agencies, companies, and instru-
 4 mentalities, in effectuating the purposes of this Act.

5 **SEC. 7. DESALINIZATION CONFERENCE.**

6 (a) *ESTABLISHMENT.*—The President is requested to
 7 instruct the Administrator of the Agency for International
 8 Development to sponsor an international desalinization
 9 conference within 1 year after the date of enactment of this
 10 Act.

11 (b) *PARTICIPANTS.*—Participants in the conference
 12 under subsection (a) should include scientists, private in-
 13 dustry experts, desalinization experts and operators, gov-
 14 ernment officials from the nations that use and conduct re-
 15 search on desalinization, and government officials from na-
 16 tions that could benefit from low-cost desalinization tech-
 17 nology (particularly nations in the developing world), and
 18 international financial institutions.

19 (c) *PURPOSE.*—The conference under subsection (a)
 20 shall—

21 (1) explore promising new technologies and
 22 methods to make affordable desalinization a reality in
 23 the near term; and

1 (2) *propose a research agenda and a plan of ac-*
 2 *tion to guide longer-term development of practical de-*
 3 *salinization applications.*

4 (d) *FUNDING.—*

5 (1) *AID FUNDS.—Funding for the conference*
 6 *under subsection (a) may come from operating or*
 7 *program funds of the Agency for International Devel-*
 8 *opment.*

9 (2) *OTHER NATIONS.—The Agency for Inter-*
 10 *national Development shall encourage financial and*
 11 *other support from other nations, including those that*
 12 *have desalinization technology and those that might*
 13 *benefit from such technology.*

14 **SEC. 8. REPORTS.**

15 (a) *IN GENERAL.—Not later than 1 year after the date*
 16 *of enactment of this Act, and annually thereafter, the Sec-*
 17 *retary of the Interior, in consultation with the Secretary*
 18 *of the Army, shall prepare a report to the President and*
 19 *Congress concerning the administration of this Act.*

20 (b) *CONTENTS.—A report under subsection (a) shall*
 21 *describe—*

22 (1) *the actions taken by the Secretary of the In-*
 23 *terior and the Secretary of the Army during the cal-*
 24 *endar year preceding the year in which the report is*
 25 *submitted; and*

1 (2) *the actions planned for the following cal-*
 2 *endar year.*

3 **SEC. 9. AUTHORIZATION OF APPROPRIATIONS.**

4 (a) *RESEARCH AND DEVELOPMENT.*—*There are au-*
 5 *thorized to be appropriated to carry out section 4—*

6 (1) *\$5,000,000 for fiscal year 1997; and*

7 (2) *\$7,500,000 for each of fiscal years 1998*
 8 *through 2001.*

9 (b) *DESALINIZATION DEVELOPMENT PROGRAM.*—
 10 *There are authorized to be appropriated to carry out section*
 11 *5 such sums as are necessary, up to a total of \$40,000,000*
 12 *for the period consisting of fiscal years 1997 through 2001,*
 13 *of which 50 percent shall be made available to the Depart-*
 14 *ment of the Interior and 50 percent shall be made available*
 15 *to the civil works program of the Army Corps of Engineers.*