103D CONGRESS 1ST SESSION

S. 978

To establish programs to promote environmental technology, and for other purposes.

IN THE SENATE OF THE UNITED STATES

MAY 18 (legislative day, APRIL 19), 1993

Mr. Baucus (for himself, Mr. Lieberman, Ms. Mikulski, Mr. Kerry, Mr. Wofford, and Mr. Lautenberg) introduced the following bill; which was read twice and referred to the Committee on Environment and Public Works

A BILL

To establish programs to promote environmental technology, 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; TABLE OF CONTENTS.
- 4 (a) SHORT TITLE.—This Act may be cited as the
- 5 "National Environmental Technology Act of 1993".
- 6 (b) Table of Contents.—The table of contents of
- 7 this Act is as follows:
 - Sec. 1. Short title; table of contents.
 - Sec. 2. Findings.
 - Sec. 3. Definitions.

TITLE I—NATIONAL ENVIRONMENTAL TECHNOLOGY PANEL

- Sec. 101. Establishment.
- Sec. 102. Membership.
- Sec. 103. National environmental technology strategy.
- Sec. 104. Coordination of budget requests for environmental technology.
- Sec. 105. Report to Congress.
- Sec. 106. Termination.

TITLE II—NATIONAL ENVIRONMENTAL TECHNOLOGIES INSTITUTE; CLEARINGHOUSE

Sec. 201. Purposes.

Subtitle A-National Environmental Technologies Institute

- Sec. 211. Establishment.
- Sec. 212. Reports.
- Sec. 213. Environmental technology trade promotion.

Subtitle B—Environmental Technology Clearinghouse

Sec. 221. Database.

TITLE III—ENVIRONMENTAL INNOVATION RESEARCH PROGRAM; TECHNOLOGY TESTING

Sec. 301. Findings; purpose.

Subtitle A—Environmental Innovation Research Program

- Sec. 311. Environmental innovation research program.
- Sec. 312. Guidelines and regulations of the environmental innovation research program.

Subtitle B—Innovative Technology Testing

Sec. 321. Program.

TITLE IV—ADDITIONAL PROGRAMS

Subtitle A—Verification of Environmental Technologies

Sec. 401. Program.

Subtitle B—Environmental Technology Advisory Council

- Sec. 411. Establishment.
- Sec. 412. Report by the Comptroller General.

Subtitle C—Coordination With National Institute of Standards and Technology

- Sec. 421. Coordination with National Institute of Standards and Technology.
- Sec. 422. Coordination with other federally supported extension programs.

1 SEC. 2. FINDINGS.

2 Congress finds that—

- 1 (1) environmental problems facing the world 2 pose a threat to the environmental and economic se-3 curity of the United States and other nations;
 - (2) promoting a sound economy while maintaining a healthy environment is among the urgent public policy challenges of the United States, on both domestic and international levels;
 - (3) the development and deployment of environmental technologies will both enhance global environmental security and the economic standing of the United States in the world marketplace;
 - (4) the growing demand for environmentally sound products and processes, and for cost-effective environmental cleanup and pollution control technologies, presents strategic business opportunities;
 - (5) advances in environmental cleanup, pollution control, and pollution prevention technologies could significantly reduce Government and private cleanup expenditures and improve cleanup results;
 - (6) innovative environmental technologies face barriers to commercialization and diffusion, and are often slow to be adopted;
 - (7) while the Federal Government, research institutes, universities, and industries are conducting

1	substantial relevant basic environmental research
2	and development—
3	(A) environmental concerns must become a
4	more pervasive and central dimension of tech-
5	nology research and development; and
6	(B) Federal environmental technology re-
7	search and development programs should be
8	better coordinated and better aligned with long-
9	term, strategic environmental needs and busi-
10	ness opportunities; and
11	(8) a coordinated, up-to-date, interagency strat-
12	egy for environmental technology will greatly help
13	the United States develop critical environmental
14	technology that can respond to environmental pro-
15	grams and create jobs and new sources of income.
16	SEC. 3. DEFINITIONS.
17	As used in this Act:
18	(1) Administrator.—The term "Adminis-
19	trator" means the Administrator of the Environ-
20	mental Protection Agency.
21	(2) Covered federal agency.—The term
22	"covered Federal agency" means a Federal agency
23	for which, for a fiscal year, an amount greater than
24	\$50,000,000 is made available for environmental
25	cleanup.

1	(3) Critical environmental tech-
2	NOLOGY.—The term "critical environmental tech-
3	nology'' means environmental technology that—
4	(A) embodies a significant technical ad-
5	vance;
6	(B) has the potential to bring about large,
7	cost-effective reductions in risk to human health
8	or the environment;
9	(C) is generically applicable at the
10	precommercial stage; and
11	(D) if adopted, would result in a favorable
12	ratio of social to private returns.
13	(4) DIRECTOR.—The term "Director" means
14	the head of the National Environmental Technology
15	Institute established under section 211.
16	(5) Environmental innovation re-
17	SEARCH.—The term "environmental innovation re-
18	search" means research related to the development,
19	application, or commercialization of environmental
20	technology.
21	(6) Environmental technology.—The term
22	"environmental technology" means a technology,
23	product, or process that reduces environmental risks
24	by—

- 1 (A) fulfilling a function other than protec-2 tion of the environment with less impact during 3 its manufacture, use, or disposal on the envi-4 ronment than other technologies, products, and 5 processes; and
 - (B) protecting or enhancing the environment through pollution control, prevention, or environmental remediation.
 - (7) Fund.—The term "Fund" means the Environmental Advanced Research Projects Revolving Fund established under section 211(f).
 - (8) Funding agreement.—The term "funding agreement" means a contract, cooperative agreement, grant agreement, patent agreement, royalty agreement, license agreement, equity agreement, or other appropriate legal agreement between the head of a covered Federal agency and a private business concern to provide funding and support to carry out environmental innovation research.
 - (9) Institute.—The term "Institute" means the National Environmental Technologies Institute established under section 211.
 - (10) SMALL BUSINESS CONCERN.—The term "small business concern" means a business concern that is recognized as a small business concern under

1	section 3(a) of the Small Business Act (15 U.S.C.
2	632(a)).
3	TITLE I—NATIONAL ENVI-
4	RONMENTAL TECHNOLOGY
5	PANEL
6	SEC. 101. ESTABLISHMENT.
7	There is established within the Office of Science and
8	Technology Policy a National Environmental Technology
9	Panel (referred to in this section as the "Panel"), to oper-
10	ate as a Presidential initiative panel of the Federal Coordi-
11	nating Council for Science, Engineering, and Technology.
12	The Panel shall be responsible for coordinating environ-
13	mental technology programs within the Federal Govern-
14	ment and the development of a National environmental
15	technology strategy.
16	SEC. 102. MEMBERSHIP.
17	The Panel shall consist of—
18	(1) the Administrator;
19	(2) the Director of the National Science Foun-
20	dation;
21	(3) the Administrator of the National Oceanic
22	and Atmospheric Agency of the Department of Com-
23	merce;
24	(4) the Secretary of Energy;
25	(5) the Secretary of the Interior;

1	(6) the Administrator of the National Aero-
2	nautics and Space Administration;
3	(7) the Secretary of Agriculture;
4	(8) the Secretary of Defense;
5	(9) the Secretary of Health and Human Serv-
6	ices;
7	(10) the Secretary of Commerce;
8	(11) the Secretary of Transportation;
9	(12) the United States Trade Representative;
10	(13) the Director of the National Environ-
11	mental Technologies Institute; and
12	(14) the Director of the Office of Science and
13	Technology Policy, who shall serve as the Chair-
14	person of the Panel (referred to in this title as the
15	"Chairperson").
16	SEC. 103. NATIONAL ENVIRONMENTAL TECHNOLOGY
17	STRATEGY.
18	(a) Development of National Environmental
19	TECHNOLOGY STRATEGY.—Not later than 1 year after
20	the date of enactment of this Act, the Panel shall develop
21	a National Environmental Technology Strategy.
22	(b) Strategy Requirements.—The Strategy
23	shall—
24	(1) identify critical environmental technologies
25	for focused governmental support;

- 1 (2) prioritize the technologies identified in para-2 graph (1) based on trends in global and domestic en-3 vironmental problems and the potential for economic 4 benefits;
 - (3) recommend effective public and private partnership arrangements for the development and diffusion of environmental technologies;
 - (4) recommend approaches to encourage the commercialization and diffusion of environmental technologies, with special attention to small- and medium-sized business concerns:
 - (5) identify economic, regulatory, and other barriers and incentives to the development, deployment, and trade in environmental technologies;
 - (6) recommend administrative actions to remove barriers to and create incentives for the development and diffusion of environmental technology;
 - (7) recommend administrative actions to promote and assist trade in United States environmental technology; and
 - (8) recommend, as appropriate, changes in Federal procurement guidelines to promote the purchase of environmental technology.

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1	(c) REVISION OF STRATEGY.—The Panel shall review
2	and revise the Strategy not less frequently than once every
3	3 years.
4	(d) Coordination With Other Groups.—
5	(1) IN GENERAL.—The Panel shall consult with
6	organizations involved in formulating Federal tech-
7	nology policy, organizations involved in technology
8	development and commercialization, and organiza-
9	tions involved in making recommendations for
10	redirecting research on military applications to civil-
11	ian uses, including—
12	(A) the National Critical Technologies
13	Panel established under section 601 of the Na-
14	tional Science and Technology Policy, Organiza-
15	tion, and Priorities Act of 1976 (42 U.S.C.
16	6681);
17	(B) the Advanced Manufacturing Council
18	of the Federal Council established under section
19	401 of such Act (42 U.S.C. 6651);
20	(C) the Defense Technology Conversion
21	Council of the Advanced Research Projects
22	Agency of the Department of Defense;
23	(D) the Advanced Research Projects Agen-
24	cy of the Department of Defense:

	
1	(E) the Advanced Technology Program es-
2	tablished under section 28 of the National In-
3	stitutes of Standards and Technology Act (15
4	U.S.C. 278n);
5	(F) the Strategic Environmental Research
6	and Development Program Council established
7	under section 2902 of title 10, United States
8	Code;
9	(G) the Environmental Technology Advi-
10	sory Council established under section 411; and
11	(H) the environmental innovation and re-
12	search program established under section 311.
13	(2) RECOMMENDATIONS.—The Panel shall
14	make recommendations to the organizations covered
15	in paragraph (1) to avoid duplication of efforts and
16	to promote coordination of environmental technology
17	efforts.
18	(3) TECHNICAL SUPPORT.—The Chairperson
19	shall provide technical assistance regarding policy
20	formulation to the Panel and may request technical
21	and policy assistance from members of the Panel
22	and other organizations, including the Academies of

Science and Engineering.

1	SEC. 104. COORDINATION OF BUDGET REQUESTS FOR EN-
2	VIRONMENTAL TECHNOLOGY.
3	(a) Status of Federal Activity.—Not later than
4	180 days after the date of enactment of this Act, and an-
5	nually thereafter, the Chairperson, in consultation with
6	the Director of the Office of Management and Budget,
7	shall—
8	(1) submit to Congress a listing of all federally
9	funded activities that promote, develop, or support
10	environmental technology; and
11	(2) review the budget summary to determine
12	whether the summary is consistent with the strategy
13	developed under section 103.
14	(b) Report.—The Chairperson shall report any com-
15	ments or views of the Panel regarding the budget sum-
16	mary to the Director of the Office of Management and
17	Budget.
18	(c) Consideration by Director of Office of
19	Management and Budget.—The Director of the Office
20	of Management and Budget shall—
21	(1) consider all Federal agency requests for re-
22	search related to environmental technology as one
23	integrated, coherent, and multiagency request; and
24	(2) review the budget summary developed in
25	subsection (a) and the comments submitted in sub-

1	section (b) prior to submission of the annual budget
2	request of the President.
3	SEC. 105. REPORT TO CONGRESS.
4	Not later than 1 year after the date of enactment
5	of this Act, and annually thereafter, the Chairperson shall
6	submit a report to Congress that includes—
7	(1) a summary of all Panel activities;
8	(2) the most recently prepared version of the
9	strategy developed under section 103;
10	(3) any major findings of the Panel;
11	(4) the interagency budget summary developed
12	under section 104 with any comments submitted by
13	the Chairperson;
14	(5) descriptions of significant research initia-
15	tives in environmental technology;
16	(6) a listing of all public and private partner-
17	ships in critical environmental technology, including
18	projects funded by—
19	(A) the Advanced Research Projects Agen-
20	cy of the Department of Defense, excluding any
21	classified information;
22	(B) the Advanced Technology Program es-
23	tablished under section 28 of the National In-
24	stitutes of Standards and Technology Act (15
25	U.S.C. 278n);

1	(C) the National Environmental Tech-
2	nologies Institute established under section 211;
3	and
4	(D) the environmental innovations research
5	program under section 311; and
6	(7) a listing of all federally funded activities
7	that promote, develop, or support critical environ-
8	mental technology identified under section
9	103(b)(1).
10	SEC. 106. TERMINATION.
11	The authority provided by this title shall terminate
12	on the date that is 7 years after the date of enactment
13	of this Act.
14	TITLE II—NATIONAL ENVIRON-
15	MENTAL TECHNOLOGIES IN-
16	STITUTE; CLEARINGHOUSE
17	SEC. 201. PURPOSES.
18	It is the purpose of this title to improve the environ-
19	ment and strengthen the economic competitiveness of the
20	United States through—
21	(1) assisting private industry, universities, non-
22	profit research centers, and Government laboratories
	profit research contents, and dovernment laboratories
23	in developing and commercializing environmental

1	(2) facilitating the diffusion, adoption, and ex-
2	port of environmental technologies by improving the
3	information available on new environmental tech-
4	nologies.
5	Subtitle A—National Environ-
6	mental Technologies Institute
7	SEC. 211. ESTABLISHMENT.
8	(a) In General.—
9	(1) Establishment of institute.—There is
10	established within the Environmental Protection
11	Agency the National Environmental Technologies
12	Institute (referred to in this section as the "Insti-
13	tute'').
14	(2) DIRECTOR.—The Institute shall be headed
15	by a Director who shall be appointed by the Presi-
16	dent, with the advice and consent of the Senate.
17	(3) Conforming Amendment.—Section 5316
18	of title 5, United States Code, is amended by adding
19	at the end the following:
20	"Director of the National Environmental Tech-
21	nologies Institute, Environmental Protection Agen-
22	cy.''.
23	(b) FUNCTIONS.—The Director shall—
24	(1) in cooperation with the heads of other agen-
25	cies, support and assist the development of products

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- oriented research, development, and demonstration of environmental technology at the precommercial stage by industrial, academic, governmental, and nongovernmental entities;
 - (2) monitor on a continuing basis the research and development being conducted on environmental technologies by private industry in the United States and provide technical assistance to private industry conducting environmental research;
 - (3) in cooperation with the heads of other agencies, develop and transfer environmental technologies and mechanisms to address international environmental problems;
 - (4) develop and maintain a clearinghouse, as established under subtitle B, to provide information to private and public concerns that develop, apply, or export environmental technology;
 - (5) advise other officials, as appropriate, within the Environmental Protection Agency, and within other Federal departments and agencies, on programs and strategies for promoting the development and diffusion of environmental technology, including program managers for the environmental innovation research program established under subtitle A of title III, as appropriate;

1	(6) to the extent allowable by law, in coopera-
2	tion with the Administrator or the head of any other
3	Federal agency that the Director determines to be
4	appropriate, ensure the availability of an initial mar-
5	ket for critical environmental technologies;
6	(7) make recommendations for changes in Fed-
7	eral procurement guidelines to ensure the availability
8	of an initial market for environmental technology;
9	and
10	(8) consult with the Panel established under
11	title I and the programs established under title III.
12	(c) Cooperative Agreements and Other Ar-
13	RANGEMENTS.—
14	(1) IN GENERAL.—In carrying out the func-
15	tions of the Institute under this subtitle, the Direc-
16	tor may enter into cooperative agreements or other
17	arrangements with—
18	(A) any department, agency, or independ-
19	ent establishment of the United States;
20	(B) any unit of State or local government;
21	(C) any educational institution;
22	(D) any company that is a United States-
23	owned company; or
24	(E) any company that the Secretary finds
25	is incorporated in the United States and has a

1	parent company that is incorporated in a coun-
2	try that—
3	(i) affords to United States-owned
4	companies opportunities, comparable to
5	those afforded to any other company, to
6	participate in any cooperative agreement
7	similar to those authorized under this sub-
8	section;
9	(ii) affords to United States-owned
10	companies local investment opportunities
11	comparable to those afforded to any other
12	company; and
13	(iii) affords adequate and effective
14	protection for the intellectual property
15	rights of United States-owned companies.
16	(2) AUTHORITY TO REQUIRE PAYMENT.—
17	(A) IN GENERAL.—A cooperative agree-
18	ment or other arrangement entered into under
19	paragraph (1) may include a provision that re-
20	quires a person or other entity to make a pay-
21	ment or payments to the Institute (or any other
22	department, agency, or independent establish-
23	ment of the United States) as a condition of re-
24	ceiving assistance from the Institute under the
25	agreement or other arrangement.

1	(B) Amount of payment.—The amount
2	of any payment received by a department, agen-
3	cy, or independent establishment of the United
4	States pursuant to paragraph (1) shall be cred-
5	ited to the Fund in such amount as the Direc-
6	tor specifies.
7	(C) Nonduplication and other condi-
8	TIONS.—The Director shall ensure that, to the
9	extent practicable, a cooperative agreement or
10	other arrangement entered into under this sec-
11	tion—
12	(i) does not provide for research that
13	duplicates research being conducted under
14	other programs carried out by the private
15	sector or by a department, agency, or inde-
16	pendent establishment of the United
17	States; and
18	(ii) requires the other party to the
19	agreement or arrangement to share the
20	cost of the project or activity concerned.
21	(d) Federal Share.—
22	(1) In general.—Subject to paragraph (2),
23	the Federal share of the cost of a research and de-
24	velopment project under this section may not exceed
25	50 percent.

1	(2) Small business exception.—The Fed-
2	eral share of the cost of a research and development
3	project conducted pursuant to a cooperative agree-
4	ment or other arrangement entered into with a small
5	business concern under subsection (c) may not ex-
6	ceed 75 percent.
7	(e) Program Requirements.—
8	(1) Selection criteria.—
9	(A) IN GENERAL.—Not later than 180
10	days after the date of enactment of this section,
11	the Director shall publish in the Federal Reg-
12	ister proposed criteria, and not later than 1
13	year after the date of enactment of this section,
14	following a public comment period, final cri-
15	teria, for the selection of recipients of contracts,
16	leases, grants, and cooperative agreements
17	under this section.
18	(B) Criteria.—Selection criteria under
19	subparagraph (A) shall—
20	(i) include requirements outlining
21	business plans;
22	(ii) address the advancement of Unit-
23	ed States environmental technology and
24	the promotion of the competitiveness of
25	businesses of the United States: and

1	(iii) give special consideration to the
2	needs of small business concerns.
3	(2) Administration of program funds.—In
4	cooperation with the heads of other agencies, the Di-
5	rector shall—
6	(A) determine categories of projects to be
7	funded by the National Environmental Tech-
8	nologies Institute;
9	(B) issue solicitations for projects to be
10	funded by the Institute;
11	(C) receive and evaluate proposals result-
12	ing from solicitations;
13	(D) select participants for funding agree-
14	ments of the Institute;
15	(E) administer the funding agreements of
16	the Institute; and
17	(F) make payments to recipients of fund-
18	ing agreements on the basis of progress toward,
19	or completion of, the funding agreement re-
20	quirements.
21	(3) CONSULTATION.—The Director shall, as ap-
22	propriate, consult with the Panel established in title
23	I and with the Environmental Technology Advisory
24	Council established in subtitle B of title IV.

1	(4) Financial reporting and auditing.—
2	The Director, in consultation with the chief financial
3	officer of the Environmental Protection Agency,
4	shall establish financial reporting and auditing pro-
5	cedures to ensure that contracts and awards—
6	(A) are used for the purposes specified in
7	this section;
8	(B) are made in accordance with sound ac-
9	counting practices; and
10	(C) are not used for research programs ex-
11	isting or planned on the date of enactment of
12	this section that would be substantially con-
13	ducted in the same time period in the absence
14	of financial assistance under this subtitle.
15	(5) Dissemination of Research Results.—
16	The Director shall provide for the dissemination of
17	research results of the programs of the Institute es-
18	tablished under this subtitle through the database
19	established under section 221.
20	(6) Contracts or awards; criteria; re-
21	STRICTIONS.—
22	(A) In general.—No contract or award
23	may be made under this section until the re-
24	search project in question has been subject to
25	a merit review by the Environmental Tech-

1	nology Advisory Council established under sec-
2	tion 411, and has, in the opinion of the review-
3	ers, been shown to have scientific and technical
4	merit.
5	(B) DIRECT COSTS ONLY.—Federal funds
6	made available under this subtitle shall be used
7	only for direct costs and not for indirect costs,
8	profits, or management fees of any contractor.
9	(C) Consideration.—In determining
10	whether to make an award to a joint venture,
11	the Director shall consider whether the mem-
12	bers of the joint venture have provided for the
13	appropriate participation of small businesses of
14	the United States in the joint venture.
15	(D) Administrative procedure.—Sec-
16	tion 552 of title 5, United States Code, shall
17	not apply to the following information obtained
18	by the Federal Government on a confidential
19	basis in connection with the activities of any
20	business or joint venture that receives funding
21	under this section:
22	(i) Information on the business oper-
23	ation of a member of the business or joint

venture.

- 1 (ii) Trade secrets possessed by any 2 business or by a member of the joint ven-3 ture.
 - (E) INTELLECTUAL PROPERTY.—Intellectual property owned and developed by a business or joint venture that receives funding under this subtitle or by any member of such a joint venture may not be disclosed by any officer or employee of the United States except in accordance with a written agreement between the owner or developer and the Director.
 - (F) LICENSING FEES AND ROYALTIES.—
 The United States shall be entitled to a share of the licensing fees and royalty payments made to and retained by a business or joint venture to which the United States contributes under this section in an amount that is proportionate to the Federal share of the costs incurred by the business or joint venture, as determined by an independent audit.
 - (G) DISCONTINUANCE.—A contract or award under this subtitle shall contain appropriate provisions for the discontinuance of the project and the return of the unspent Federal funds to the Institute (after payment of all al-

lowable costs and an audit) if it appears that, due to technical difficulties, financial difficulty on the part of the recipient, or for any other reason, the recipient is not making satisfactory progress toward successful completion of the project.

(H) DISSOLUTION; RESIDUAL ASSETS.—
Upon dissolution of a joint venture that receives funding under this section or at a time otherwise agreed upon, the United States shall be entitled to a share of the residual assets of a joint venture that is proportionate to the Federal share of the costs of the joint venture, as determined by an independent audit.

(f) REVOLVING FUND.—

- (1) ESTABLISHMENT.—There is established in the Treasury of the United States a revolving fund to be known as the "Environmental Advanced Research Projects Revolving Fund" (referred to in this section as the "Fund"), that shall consist of such amounts as are appropriated or credited to the Fund from time to time.
- (2) EXPENDITURES FROM THE FUND.— Amounts in the Fund shall be available, as provided in appropriations Acts, to carry out this section.

1	(3) Loans, grants, loan guarantees, and
2	OTHER FINANCIAL ASSISTANCE.—
3	(A) IN GENERAL.—The Director may use
4	the Fund for the purpose of making loans,
5	grants, loan guarantees (of both principal and
6	interest), and other financial assistance to in-
7	dustrial and nonprofit research centers, univer-
8	sities, and other entities that serve the long-
9	term environmental security needs of the Unit-
10	ed States, to carry out this subtitle.
11	(B) Repayment schedule.—A loan
12	made under this section shall—
13	(i) have a repayment schedule and
14	maturity date determined by the Secretary
15	of the Treasury;
16	(ii) bear interest at a rate determined
17	by the Secretary of the Treasury (as of the
18	close of the calendar month preceding the
19	month in which the loan is made) to be 3
20	percent less than the current market yield
21	on outstanding marketable obligations of
22	the United States with remaining periods
23	to maturity comparable to the period for
24	which the loan is made.

1	(C) REPAYMENTS.—Repayments on a loan
2	made under this section and the proceeds from
3	any other agreement entered into by the Direc-
4	tor under this subtitle shall be credited to the
5	Fund.
6	(4) Management of fund.—
7	(A) IN GENERAL.—The Secretary of the
8	Treasury shall manage the Fund and, after
9	consultation with the Director, report to Con-
10	gress each year on the financial condition and
11	the results of the operation of the Fund during
12	the preceding fiscal year and on the expected
13	condition and operations of the Fund during
14	the next 5 fiscal years.
15	(B) INVESTMENT.—
16	(i) Authority to invest.—Subject
17	to clause (ii), the Secretary of the Treas-
18	ury shall invest the portion of the Fund
19	that is not, in the judgment of the Sec-
20	retary, required to meet current withdraw-
21	als.
22	(ii) Limitation.—Investments of
23	moneys in the Fund may be made only in
24	interest-bearing obligations of the United

States.

1	(g) AUTHORIZATION OF APPROPRIATIONS.—
2	(1) Amounts.—There are authorized to be ap-
3	propriated to the Institute to carry out this sec-
4	tion—
5	(A) \$36,000,000 for fiscal year 1994;
6	(B) \$80,000,000 for fiscal year 1995; and
7	(C) \$120,000,000 for fiscal year 1996.
8	(2) Limitation on use.—Of amounts appro-
9	priated to the Institute, not more than 5 percent
10	may be used to pay for administrative expenses of
11	the Institute.
12	(3) Federal cooperative agreements.—
13	The Director shall allocate a significant percentage
14	of the amounts made available to the Institute for
15	the purpose of entering into cooperative agreements
16	with departments, agencies, or independent estab-
17	lishments of the United States pursuant to sub-
18	section (c)(1).
19	SEC. 212. REPORTS.
20	(a) IN GENERAL.—The Director shall, not less fre-
21	quently than annually, and at such other times as the Di-
22	rector considers to be appropriate, submit a report to the
23	Committees on Environment and Public Works and Ap-
24	propriations of the Senate, and the Committees or

1	Science, Space, and Technology and Appropriations of the
2	House of Representatives describing—
3	(1) the activities of the Institute, including de-
4	scriptions and funding levels of all projects devel-
5	oped with assistance from the Institute;
6	(2) each phase of the implementation and oper-
7	ation of the environmental innovation research pro-
8	grams administered by the Director and the heads
9	of covered Federal agencies under subtitle A of title
10	III;
11	(3) the plans of the Institute for future activi-
12	ties;
13	(4) the manner and extent to which tech-
14	nologies developed with assistance from the Institute
15	have been commercialized and used; and
16	(5) the extent to which the technologies have
17	been transferred to foreign nations.
18	(b) RECOMMENDATIONS.—Each report submitted
19	under this section shall include such recommendations for
20	program improvements as the Director considers to be ap-
21	propriate.
22	SEC. 213. ENVIRONMENTAL TECHNOLOGY TRADE PRO
23	MOTION.
24	The Director shall—

1	(1) collect and disseminate through the clear-
2	inghouse established under subtitle B, information
3	useful for promoting the export of environmental
4	technology, including information concerning—
5	(A) sources of financial assistance;
6	(B) sources of technical assistance; and
7	(C) the environmental needs of foreign na-
8	tions;
9	(2) as appropriate, consult with the heads of
10	other Federal agencies to facilitate the export of en-
11	vironmental technologies; and
12	(3) consult with—
13	(A) the Working Group on the Environ-
14	ment of the Trade Promotion Coordinating
15	Council; and
16	(B) the National Environmental Tech-
17	nology Trade Initiative within the Department
18	of Commerce,
19	regarding the appropriate administrative actions for
20	the promotion of trade in environmental technology.
21	Subtitle B—Environmental
22	Technology Clearinghouse
23	SEC. 221. DATABASE.
24	(a) Establishment.—Not later than 2 years after
25	the date of enactment of this section, the Administrator

1	shall establish an operational electronic database to serve
2	as a clearinghouse for the collection and dissemination of
3	nonproprietary information on environmental technology.
4	(b) CONTENTS.—The database shall include—
5	(1) descriptions of environmental technologies
6	verified under the program established under section
7	401;
8	(2) descriptions of environmental technologies
9	tested under the program established under section
10	321;
11	(3) descriptions of environmental technologies
12	developed under programs of the Institute under sec-
13	tion 311;
14	(4) descriptions of environmental technologies
15	developed under the environmental innovation re-
16	search programs established under title III;
17	(5) analytical test results, costs, vendor infor-
18	mation, performance specifications, and other appro-
19	priate information for all environmental technologies
20	described in the database;
21	(6) information useful for promoting the export
22	of environmental technology, including information
23	concerning—
24	(A) sources of financial assistance;
25	(B) sources of technical assistance; and

1	(C) the environmental needs of foreign na-
2	tions; and
3	(7) other relevant information on environmental
4	technology.
5	(c) Access to Clearinghouse.—The clearinghouse
6	shall be made available through an electronic data system
7	(such as a computer bulletin board) and in paper report
8	format, and shall be accessible to all persons and groups
9	interested in environmental technology, including—
10	(1) industries that may use the evaluated envi-
11	ronmental technologies either for compliance with
12	any applicable regulations or voluntarily;
13	(2) Federal, State, and local programs likely to
14	review permit applications proposing use of environ-
15	mental technologies; and
16	(3) Federal, State, and local programs respon-
17	sible for developing regulations establishing a level of
18	performance or specific equipment for the preven-
19	tion, mitigation, or abatement of environmental pol-
20	lution.
21	(d) Administration.—
22	(1) UPDATING.—The data stored in the clear-
23	inghouse shall be updated continuously as new infor-
24	mation is made available, but not less often than
25	every 12 months.

1	(2) Existing resources.—The clearinghouse
2	shall build on existing data sources and, to the ex-
3	tent feasible, shall be integrated with other tech-
4	nology databases maintained by the Environmental
5	Protection Agency on the date of enactment of this
6	section.
7	(3) OUTREACH.—The Administrator shall con-
8	duct appropriate outreach efforts to advertise, de-
9	liver, and disseminate the information stored in the
10	clearinghouse.
11	(e) Authorization of Appropriations.—There
12	are authorized to be appropriated such sums as are nec-
13	essary to carry out this section.
14	TITLE III—ENVIRONMENTAL IN-
15	NOVATION RESEARCH PRO-
16	GRAM; TECHNOLOGY TEST-
17	ING
18	SEC. 301. FINDINGS; PURPOSE.
19	(a) FINDINGS.—Congress finds that:
20	(4)
	(1) estimates of the cost to clean up the con-
21	(1) estimates of the cost to clean up the contaminated sites in the United States range as high
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	taminated sites in the United States range as high
22	taminated sites in the United States range as high as \$1,000,000,000 over the next 30 years;

1	nants from groundwater plumes and deeply buried
2	soils;
3	(3) new technologies are needed to address
4	these serious contamination problems in a more
5	timely and cost-effective manner, with an enormous
6	potential savings for the Government and private in-
7	dustry;
8	(4) the use of innovative technologies at certain
9	contaminated sites has reduced site cleanup costs by
10	more than half; and
11	(5) demonstration and testing of environmental
12	technologies for performance and cost characteristics
13	is often a barrier to successful commercialization of
14	environmental technology.
15	(b) Purpose.—It is the purpose of this title to re-
16	duce Federal and private cleanup costs by promoting the
17	development and commercialization of environmental tech-
18	nologies.
19	Subtitle A—Environmental
20	Innovation Research Program
21	SEC. 311. ENVIRONMENTAL INNOVATION RESEARCH PRO-
22	GRAM.
23	(a) Establishment.—The head of each covered
24	Federal agency shall establish an environmental innova-
25	tion research program for the development and commer-

1	cialization of environmental technology to further the
2	progress of cleanup, pollution prevention, or abatement ac-
3	tivities of the agency.
4	(b) Funding.—
5	(1) IN GENERAL.—The head of each covered
6	Federal agency shall annually—
7	(A) notwithstanding any other provision of
8	law—
9	(i) set aside not less than 1.25 per-
10	cent of the amount of funds made available
11	to the agency for environmental cleanup;
12	and
13	(ii) reserve the amount set aside
14	under clause (i) for awards to private con-
15	cerns or other entities for the development
16	and commercialization of environmental
17	technology through a uniform process as
18	described in subsection (e); and
19	(B) consult with the Environmental Tech-
20	nology Advisory Council established under sec-
21	tion 411 and the Panel established under title
22	I concerning the expenditure of the funds set
23	aside pursuant to subparagraph (A).
24	(2) Construction.—Nothing in this Act shall
25	be construed to limit the amount of funds that a

1	covered Federal agency may spend on the research
2	development, or commercialization of environmental
3	technology or any other environmental activity.
4	(c) Duties of Heads of Covered Federal
5	AGENCIES.—In carrying out an environmental innovation
6	research program established under this section, the head
7	of each covered Federal agency shall, in accordance with
8	the requirements of this section—
9	(1) certify annually the amount of agency funds
10	set aside in accordance with subsection $(b)(1)(A)$;
11	(2) determine categories of projects to be in-
12	cluded in the environmental innovation research pro-
13	gram of the agency;
14	(3) issue environmental innovation research so-
15	licitations;
16	(4) receive and evaluate proposals resulting
17	from the solicitations;
18	(5) select participants for the environmental in-
19	novation research funding agreements of the covered
20	Federal agency;
21	(6) in administering paragraphs (3), (4), and
22	(5), consider the needs of small business concerns
23	(7) administer the environmental innovation re-
24	search funding agreements of the covered agency (or
25	delegate the administration to another agency);

- 1 (8) make payments to recipients of environ-2 mental innovation research funding agreements on 3 the basis of progress toward, or completion of, the 4 funding agreement requirements; and
 - (9) submit an annual report on the environmental innovation research program to the National Environmental Technologies Institute established in section 211 and the Office of Science and Technology Policy, which shall include—
 - (A) an accounting of the number and amount of awards made under the environmental innovation research program, classified by categories of projects; and
 - (B) the amount of funds awarded to projects for environmental cleanup, expressed as a percentage of the total funds awarded.
- (d) COOPERATIVE AGREEMENTS.—The head of each covered Federal agency may enter into a cooperative agreement with the head of another Federal agency for the provision of technical assistance and other appropriate assistance to business concerns or other entities conducting an approved project.
- 23 (e) Phases of Environmental Innovation Re-24 Search Program.—The head of each covered Federal

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- 1 agency shall carry out an environmental innovation re-2 search program consisting of the following 3 phases:
- (1)(A) A first phase for determining, insofar as possible, the scientific and technical merit and feasibility of ideas that appear to have commercial potential, submitted pursuant to environmental innovation research program solicitations.
 - (B) With respect to the first phase, the head of the covered Federal agency may enter into funding agreements with governmental, industrial, academic, and other nongovernmental entities, each of which shall be in an amount not to exceed \$250,000.
 - (2)(A) A second phase to further develop proposals that meet particular program needs, and with respect to which awards shall be made on the basis of the scientific and technical merit and feasibility of each proposal, as evidenced by the first phase (as described in paragraph (1)), taking into consideration, among other considerations, the commercial potential of each proposal, as evidenced by—
 - (i) the record of the private concern or other entity of successfully commercializing environmental innovation research or other research;

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1	(ii) the existence of funding commitments
2	for the second phase carried out under this
3	paragraph from the private sector or sources
4	other than the environmental innovation re-
5	search programs to fund the development
6	phase;
7	(iii) the existence of follow-on commit-
8	ments for the third phase carried out under
9	paragraph (3) for research conducted pursuant
10	to this clause; and
11	(iv) the presence of other indicators of the
12	commercial potential of the proposal.
13	(B) With respect to the second phase, the head
14	of the covered Federal agency may enter into fund-
15	ing agreements with private concerns or other enti-
16	ties, each of which shall be in an amount not to ex-
17	ceed \$750,000, unless the head of the covered Fed-
18	eral agency finds that additional funding is nec-
19	essary and appropriate.
20	(3)(A) If appropriate, a third phase, in which—
21	(i) environmental innovation research fund-
22	ing is used to continue development activity
23	that has demonstrated outstanding commercial

potential in the second phase of the environ-

- 1 mental research program and merits further en-2 vironmental innovation research funding;
 - (ii) awards from funding sources other than the environmental innovation research programs are used for the continuation of research or research and development that has been competitively selected using peer review or scientific review criteria; or
 - (iii) commercial applications of research or research and development funded by environmental innovation research programs are funded by non-Federal sources of capital or, for products or services intended for use by the Federal Government, by Federal funding sources other than environmental innovation research programs.
 - (B) With respect to a research and development project funded under subparagraph (A)(i), the Federal share shall not exceed 50 percent of the total cost of the project.
 - (C) With respect to the assistance provided under this paragraph, the covered Federal agency may also assist the private concern or other entity in pursuing funding or procurement from other Federal cleanup programs and in pursuing financial and

1	technical assistance for the export of technology de-
2	veloped under the environmental innovation research
3	program.
4	(4) Funding agreements authorized under para-
5	graphs (2) and (3)(A)(i) may make available, if ap-
6	propriate, funds to test environmental technology in
7	the program established under section 321.
8	SEC. 312. GUIDELINES AND REGULATIONS OF THE ENVI-
9	RONMENTAL RESEARCH PROGRAM.
10	(a) GUIDELINES.—Not later than 180 days after the
11	date of enactment of this Act, the Director shall promul-
12	gate guidelines for environmental innovation research con-
13	ducted by covered Federal agencies pursuant to this sub-
14	title.
15	(b) CONTENTS.—The guidelines promulgated by the
16	Director under subsection (a) shall, at a minimum, provide
17	for—
18	(1) simplified, standardized, and timely solicita-
19	tions of project proposals;
20	(2) a simplified, standardized funding process
21	that provides for—
22	(A) the timely receipt and review of pro-
23	posals;
24	(B) the protection of proprietary informa-
25	tion provided in project proposals;

1	(C) the selection of environmental tech-
2	nology projects;
3	(D) the retention of rights in data gen-
4	erated in the performance of a contract or other
5	agreement by the private concern under the en-
6	vironmental technology research project;
7	(E) to the extent allowable by law, the
8	transfer of title to property provided by a Fed-
9	eral agency to the private concern conducting
10	an environmental research project, if the trans-
11	fer would be more cost-effective than recovery
12	of the property by the Federal agency;
13	(F) cost sharing; and
14	(G) cost principles and payment schedules;
15	(3) exemptions from the requirements of para-
16	graph (2) in any case in which national security or
17	intelligence functions would be jeopardized; and
18	(4) to the extent allowable by law and as appro-
19	priate, minimizing the regulatory burden of each pri-
20	vate concern that participates in an environmental
21	technology research project to improve the cost-ef-
22	fectiveness of the environmental technology research
23	and development conducted under the program.
24	(c) REGULATIONS.—The head of each covered Fed-
25	eral agency shall, on the basis of the guidelines issued

- 1 under subsection (a), promulgate such regulations as are
- 2 necessary to ensure that the environmental innovation re-
- 3 search program of the covered Federal agency meets the
- 4 requirements of the guidelines.

5 Subtitle B—Innovative Technology

6 Testing

- 7 SEC. 321. PROGRAM.
- 8 (a) ESTABLISHMENT.—In consultation with other ap-
- 9 propriate Federal departments and agencies, the Adminis-
- 10 trator shall establish a program for testing environmental
- 11 technology at federally owned facilities and sites listed on
- 12 the National Priorities List established under section
- 13 105(a)(8)(B) of the Comprehensive Environmental Re-
- 14 sponse, Compensation, and Liability Act of 1980 (42
- 15 U.S.C. 9605(a)(8)(B)), and the inventory of Federal agen-
- 16 cy hazardous waste facilities under section 3016 of the
- 17 Resource Conservation and Recovery Act of 1976 (42
- 18 U.S.C. 6937) (referred to in this section as "applicable
- 19 sites").
- 20 (b) DESCRIPTION.—As part of the program, the Ad-
- 21 ministrator shall—
- (1) enter into cooperative agreements with
- other Federal departments and agencies for the pur-
- 24 pose of testing environmental technology at applica-
- 25 ble sites;

- (2) solicit and accept applications to test environmental technology suitable for prevention, control, or remediation of contamination at applicable sites, subject to the guidelines established under subsection (c);
 - (3) in consultation and cooperation with other Federal departments and agencies, State and local governments, industry consortia, and other groups interested in control, prevention, and remediation of environmental pollution at any applicable site, manage and oversee testing and evaluation of environmental technology at applicable sites subject to the guidelines established under subsection (c);
 - (4) document the performance and cost characteristics provided by any environmental technology tested at an applicable site;
 - (5) list and disseminate, through the clearing-house established under section 221, nonproprietary information regarding the performance and cost characteristics of environmental technology that has been tested at one or more applicable sites and has been determined to be effective by the appropriate criteria in the guidelines established under subsection (c); and

1	(6) build upon, not duplicate, and, to the extent
2	feasible, incorporate existing Environmental Protec-
3	tion Agency programs that facilitate testing of envi-
4	ronmental technology at applicable sites, including
5	the alternative or innovative treatment technology
6	research and demonstration program established
7	under section 311(b) of the Comprehensive Environ-
8	mental Response, Compensation, and Liability Act
9	of 1980 (42 U.S.C. 9660(b)).
10	(c) Guidelines.—Not later than 2 years after the
11	date of enactment of this section, the Administrator shall,
12	after notice and opportunity for comment, promulgate
13	guidelines for the operation of the program established
14	under this section. The guidelines shall include—
15	(1) an initial listing of applicable sites poten-
16	tially available for testing of environmental tech-
17	nology categorized by site characteristics, including
18	site geology and site contaminants;
19	(2) the criteria designating eligibility of appli-
20	cants to the program established under this section,
21	including—
22	(A) any business concern or consortium;
23	(B) any small business concern or consor-
24	tium; or

1	(C) any nonprofit group, university, or
2	State or local government entity or consortium;
3	(3) the application procedures for entities des-
4	ignated under paragraph (2) desiring to apply for
5	testing of environmental technology at an applicable
6	site including data, equipment, and findings or dem-
7	onstrations required in a complete application for
8	testing, including—
9	(A) appropriate testing and analytical pro-
10	cedures to demonstrate the effectiveness of an
11	environmental technology;
12	(B) required data, findings, equipment, or
13	demonstrations for a complete application for
14	testing;
15	(C) provisions for sharing the costs of test-
16	ing with applicants designated under subpara-
17	graph (B) or (C) of paragraph (2) that limit
18	the Federal share to not more than 50 percent
19	of the total cost of testing;
20	(D) a business plan that includes—
21	(i) the environmental problem the en-
22	vironmental technology is proposed to ad-
23	dress;
24	(ii) the means by which the technology
25	will be commercialized and marketed; and

1	(iii) the estimated benefits of the tech-
2	nology, including—
3	(I) quantitative or qualitative es-
4	timates of reductions in health and
5	environmental risks; and
6	(II) the estimated number of jobs
7	created if the technology is success-
8	fully commercialized; and
9	(iv) the projected capitalization costs
10	and income; and
11	(E) provisions that provide special consid-
12	eration to the needs of small business concerns;
13	(4) criteria for verification of the efficacy of
14	tested environmental technologies, including—
15	(A) the efficiency of destruction or removal
16	of contaminants;
17	(B) the reduction in the volume, toxicity,
18	or mobility of contaminants;
19	(C) the operational and capital costs; and
20	(D) the operational reliability;
21	(5) specific procedures for the management and
22	oversight of testing at applicable sites, including pro-
23	cedures for consultation or entering mutual agree-
24	ments with—

1	(A) other Federal departments and agen-
2	cies responsible for management and remedi-
3	ation of applicable sites;
4	(B) potentially responsible parties respon-
5	sible for management and remediation of appli-
6	cable sites;
7	(C) State and local government entities;
8	(D) private citizens or citizen groups con-
9	cerned with management and remediation of
10	applicable sites;
11	(E) nonprofit organizations concerned with
12	management and remediation of applicable
13	sites; or
14	(F) any persons or business concerns inter-
15	ested in investing in the commercialization of
16	tested environmental technology; and
17	(6) appropriate provisions to limit the liability
18	and, to the extent feasible, indemnify successful ap-
19	plicants to the program established under this sec-
20	tion.
21	(d) Listing of Verified Technology.—In the
22	case of a technology tested under the program established
23	by this section, the Administrator shall publish the test
24	results, cost information, and a general description of the
25	tested environmental technology and disseminate the in-

1	formation through the clearinghouse established under
2	section 221.
3	(e) AUDIT.—Not later than 3 years after the date of
4	enactment of this Act, the Administrator shall audit the
5	performance of the program and report the results of the
6	audit to Congress, including—
7	(1) the number of sites where environmental
8	technologies have been tested, classified by the type
9	of problem remedied and the technology tested;
10	(2) the number of environmental technologies
11	tested that have subsequently become commercially
12	viable;
13	(3) the number of sites for which environmental
14	technologies tested have been selected in a forma
15	agency record of decision;
16	(4) the number of sites that have been fully
17	remedied with environmental technologies tested in
18	the program;
19	(5) the cost in terms of labor and contract

- (5) the cost in terms of labor and contract funds expended by the agency on the program;
- (6) the estimated number of jobs and increased income associated with the development and commercialization of the environmental technologies tested;

1	(7) the estimated risk reduced through the use
2	of environmental technologies tested; and
3	(8) the appropriateness of expanding the pro-
4	gram to additional sites.
5	(f) Incorporation of Demonstrated Tech-
6	NOLOGY.—Where practicable, the covered Federal agency
7	shall incorporate the demonstrated technology in the pre-
8	vention, control, or remediation of contamination at appli-
9	cable sites.
10	(g) Funding.—Evaluations conducted by the Admin-
11	istrator under this section are eligible for funding under
12	section 311.
13	TITLE IV—ADDITIONAL
14	PROGRAMS
15	Subtitle A—Verification of
16	Environmental Technologies
17	SEC. 401. PROGRAM.
18	(a) ESTABLISHMENT.—The Administrator shall es-
19	tablish a program to evaluate, verify, and disseminate per-
20	formance and cost information on environmental tech-
21	nologies appropriate for compliance with regulations pro-
22	mulgated under—
23	(1) the Clean Air Act (42 U.S.C. 7401 et seq.)

1	(2) the Federal Water Pollution Control Act
2	(commonly referred to as the "Clean Water Act")
3	(33 U.S.C. 1251 et seq.);
4	(3) title XIV of the Public Health Service Act
5	(commonly referred to as the "Safe Drinking Water
6	Act'') (42 U.S.C. 300f et seq.);
7	(4) the Resource Conservation and Recovery
8	Act of 1976 (42 U.S.C. 6901 et seq.); and
9	(5) other laws that the Administrator deter-
10	mines appropriate,
11	collectively referred to in this section as "applicable regu-
12	lations".
13	(b) Functions.—As part of the program, the Ad-
14	ministrator shall—
15	(1) accept applications to evaluate environ-
16	mental technology subject to the guidelines estab-
17	lished under subsection (c);
18	(2) evaluate and verify the performance and
19	cost information on any environmental technology
20	provided by an applicant subject to the guidelines
21	established under subsection (c);
22	(3) develop protocols, test procedures, and qual-
23	ity assurance procedures to ensure quality, credibil-
24	ity, and comparability of data and information devel-
25	oped by applicants; and

(4) list and disseminate information regarding 1 2 environmental technology that meets or exceeds the appropriate criteria in the guidelines established 3 under subsection (c) through the clearinghouse established under section 221. 5 6 (c) Guidelines.— (1) IN GENERAL.—Not later than 18 months 7 after the date of enactment of this Act, the Adminis-8 9 trator shall, after notice and opportunity for comment, promulgate guidelines for the operation of the 10 11 program. DESCRIPTION.—The guidelines shall in-12 clude— 13 (A) criteria for determining eligibility of 14 15 applicants to the program, including— 16 (i) any large business concern; 17 (ii) any small business concern; or 18 (iii) any nonprofit group, university, 19 or State or local government entity; 20 (B) application requirements and procedures for submitting data and information for 21 22 evaluation and verification, including appropriate specifications, protocols, and quality as-23

surance requirements relating to data and in-

1	formation development and presentation, in-
2	cluding—
3	(i) appropriate, independently verified,
4	analytical testing procedures to dem-
5	onstrate compliance with the applicable
6	regulations;
7	(ii) required data and findings; and
8	(iii) appropriate equipment or dem-
9	onstrations;
10	(C) provisions excluding from verification
11	any environmental technology that causes sig-
12	nificant increases in environmental pollution in
13	any media or is determined by the Adminis-
14	trator to have other unacceptable side effects;
15	(D) general criteria for verification and
16	listing of environmental technologies, includ-
17	ing—
18	(i) compliance with any applicable
19	regulation at a lower cost than the esti-
20	mated cost of the technology used to estab-
21	lish the applicable regulation; or
22	(ii) compliance with any applicable
23	regulation with additional pollution preven-
24	tion, control, or remediation benefits than

1	the technology used to establish an appli-
2	cable regulation;
3	(E) a schedule of fees for applications to
4	cover the costs of the program, including—
5	(i) a sliding scale of fees based on the
6	category of eligible applicants defined in
7	subparagraph (A); and
8	(ii) lower fees for applicants defined
9	in clause (ii) or (iii) of subparagraph (A);
10	and
11	(F) provisions that provide special consid-
12	eration to the needs of small business concerns.
13	(d) Listing of Technology.—For technologies
14	that the Administrator finds, through the evaluation pro-
15	cedure established in subsection (c), meet or exceed all of
16	the verification criteria established in subsection (c), the
17	Administrator shall publish the results of the evaluation
18	and a description of the evaluated environmental tech-
19	nology and disseminate the information through the clear-
20	inghouse established under section 221.
21	(e) Administration.—
22	(1) Use of fees.—All fees collected by the
23	Administrator through the operation of the program
24	established under this section shall be used to sup-
25	port the operation of the program.

1	(2) EVALUATION DEADLINE.—All evaluations
2	conducted under the program established under this
3	section shall be completed, and the applicant notified
4	of the results, not later than 6 months after the re-
5	ceipt of a complete application.
6	(f) No Revision of Applicable Regulations.—
7	Nothing in this section shall be construed to revise any
8	applicable regulation or release any person subject to an
9	applicable regulation from the duty to fully comply with
10	the applicable regulation.
11	(g) Authorization of Appropriations.—There
12	are authorized to be appropriated such sums as are nec-
13	essary to carry out this section.
14	Subtitle B—Environmental
15	Technology Advisory Council
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16	SEC. 411. ESTABLISHMENT.
17	
17 18	(a) ESTABLISHMENT.—There is established the Envi-
17 18	(a) Establishment.—There is established the Environmental Technology Advisory Council (referred to in
17 18 19	(a) ESTABLISHMENT.—There is established the Environmental Technology Advisory Council (referred to in this section as the "Advisory Council").
17 18 19 20 21	(a) ESTABLISHMENT.—There is established the Environmental Technology Advisory Council (referred to in this section as the "Advisory Council").(b) MEMBERSHIP.—The Director shall appoint the
17 18 19 20 21	(a) ESTABLISHMENT.—There is established the Environmental Technology Advisory Council (referred to in this section as the "Advisory Council").(b) MEMBERSHIP.—The Director shall appoint the members of the Advisory Council. The individuals ap-
117 118 119 220 221	 (a) ESTABLISHMENT.—There is established the Environmental Technology Advisory Council (referred to in this section as the "Advisory Council"). (b) Membership.—The Director shall appoint the members of the Advisory Council. The individuals appointed as members of the Advisory Council shall—

1	education, management consulting, environment, or
2	international relations;
3	(2) be selected solely on the basis of established
4	records of distinguished service;
5	(3) not be employees of the Federal Govern-
6	ment; and
7	(4) include—
8	(A) at least 1 representative of a leading
9	consortium of manufacturing and technology
10	firms;
11	(B) at least 1 representative of small busi-
12	ness concerns;
13	(C) at least 1 representative of a State
14	government;
15	(D) at least one representative of a local
16	government body; and
17	(E) at least one representative of a non-
18	governmental public interest organization.
19	(c) Chairperson and Vice Chairperson.—
20	(1) Selection.—The Advisory Council shall
21	appoint from among the members of the Advisory
22	Council a person to serve as Chairperson and a per-
23	son to serve as Vice Chairperson, each of whom shall
24	serve as Chairperson or Vice Chairperson, respec-
25	tively, for a term of 1 year and shall not thereafter

- be eligible to serve as Chairperson or Vice Chairperson, respectively, until 1 year has elapsed after the end of the term.
 - (2) VICE CHAIRPERSON.—The Vice Chairperson of the Advisory Council shall perform the duties of the Chairperson in the absence of the Chairperson.
 - (d) DUTIES.—The Advisory Committee shall—
 - (1) review and make recommendations regarding general policy for the Institute established under title II, and the organization, budget, and programs of the Institute within the framework of national policies set forth by the President and Congress;
 - (2) review guidelines and regulations of the environmental innovative research program established under title III;
 - (3) on the basis of the reviews conducted under paragraphs (1) and (2), make recommendations to the Administrator, the Director, and the head of each covered Federal agency regarding the merits of the distribution of the funds under proposed funding agreements to fund proposed projects under the environmental innovation research program established under title III;
 - (4) establish merit review panels consisting of members with technical expertise and related busi-

- ness experience to review proposals for funding submitted to the Institute;
- (5) consult with the heads of Federal agencies covered by the environmental innovation research program established under title III concerning the expenditure of funds from programs established under section 311;
 - (6) consult with the Panel established under title I in the development of the national environmental technology strategy;
 - (7) review the effectiveness of the clearinghouse established in section 221;
 - (8) make recommendations to the Director to improve the effective dissemination by the clearing-house of research information and results; and
- 16 (9) make recommendations to the Director re-17 garding administrative actions to promote the export 18 of environmental technologies.

19 SEC. 412. REPORT BY THE COMPTROLLER GENERAL.

- Not later than 2 years after the date of enactment
- 21 of this Act, the Comptroller General of the United States
- 22 shall submit to the Committees on Environment and Pub-
- 23 lic Works and Appropriations of the Senate and the Com-
- 24 mittee on Science, Space, and Technology and Appropria-
- 25 tions of the House of Representatives a report concerning

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1	the implementation of the programs established under ti-
2	tles II and III, including a description of the research con-
3	ducted under the programs.
4	Subtitle C—Coordination With Na-
5	tional Institute of Standards
6	and Technology
7	SEC. 421. COORDINATION WITH NATIONAL INSTITUTE OF
8	STANDARDS AND TECHNOLOGY.
9	(a) AGREEMENTS.—Not later than 180 days after
10	the date of enactment of this section, the Administrator
11	and the Secretary of Commerce shall enter into such
12	agreements as may be necessary to permit the Environ-
13	mental Protection Agency to provide technical assistance
14	and support to the Manufacturing Technology Centers ad-
15	ministered by the National Institute of Standards and
16	Technology of the Department of Commerce.
17	(b) Assistance.—The assistance shall include—
18	(1) the preparation of environmental assistance
19	packages for small business concerns generally and
20	where appropriate, for specific small business sec-
21	tors, including information on—
22	(A) environmental compliance require-
23	ments and methods for achieving compliance;
24	(B) new environmental technologies;

1	(C) alternatives for preventing pollution
2	that are generally applicable to the small busi-
3	ness sectors;
4	(D) guidance for identifying and applying
5	opportunities for preventing pollution at indi-
6	vidual facilities;
7	(2) providing technical assistance to small busi-
8	ness concerns seeking to act on the information pro-
9	vided under paragraph (1);
10	(3) coordinating with the National Institute of
11	Standards and Technology to identify those small
12	business sectors that need improvement in environ-
13	mental compliance or in developing methods to pre-
14	vent pollution; and
15	(4) developing and implementing an action plan
16	for providing assistance to improve environmental
17	performance of small business sectors in need of im-
18	provement.
19	SEC. 422. COORDINATION WITH OTHER FEDERALLY SUP-
20	PORTED EXTENSION PROGRAMS.
21	The Administrator may coordinate with representa-
22	tives of small business and agricultural extension pro-
23	grams and centers, as appropriate, to provide environ-
24	mental assistance to small husinesses

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