# Public Law 95-467
# 95th Congress

## An Act

To promote a more adequate and responsive national program of water research and development, and for other purposes.

Oct. 17, 1978
[S. 2704]

*Be it enacted by the Senate and House of Representatives of the United States of America in Congress assembled*, This Act may be cited as the "Water Research and Development Act of 1978".

Water Research and Development Act of 1978. 42 USC 7801 note.

SEC. 2. The Congress finds and declares that—

42 USC 7801.

(a) providing for the protection of the Nation's water resources, assuring an adequate supply of water of good quality for the production of food, materials, and energy for the Nation's needs, and increasing the efficient use of the Nation's water resources are essential to national economic stability and growth, and to the well-being of our people;

(b) the Nation's capabilities for technological assessment and planning and for policy formulation for water resources must be strengthened at both the Federal and State levels;

(c) there should be a continuing national investment in water-related research and technology which is commensurate with growing national needs; and

(d) the manpower pool of scientists, engineers, and technicians trained in fields related to water resources constitutes an invaluable natural resource which should be increased, fully utilized, and regularly replenished.

42 USC 7802.

SEC. 3. It is the purpose of this Act to assist the Nation and the States through water resources science and technology—

(a) to provide a supply of water sufficient in quantity and quality to meet the Nation's expanding needs for the production of food, materials, and energy;

(b) to preserve and enhance our water resources and the water-related environment;

(c) to promote conservation and efficient use of the Nation's water resources;

(d) to promote research and development, demonstration, and technology transfer dealing with both quality and quantity of water resources;

(e) to identify and find practical solutions to the Nation's water and water resources related problems;

(f) to promote the training of scientists, engineers, and other skilled personnel in the fields related to water resources;

(g) to foster and supplement present programs for the conduct of research, technology development and transfer, and innovative water resources management, conservation, and operating practices;

(h) to provide for research, development, technology demonstration, and transfer with respect to converting saline and other impaired waters to waters suitable for municipal, agricultural, industrial, recreational, or other beneficial uses;

(i) to disseminate information through the maintenance of a water resources scientific information center with adequate information bases so that the Nation's water research community, by utilizing the center, can be fully informed of research activi-

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ties and other types of information necessary for them to effectively conduct their work;

(j) to better coordinate the Nation's water resources and development programs; and

(k) to enhance the capacity of the Federal water establishment, and of water interests nationwide for recommending to the President and the Congress changes in national water resources research and technology policy as appropriate.

## TITLE I—WATER RESOURCES RESEARCH AND DEVELOPMENT

**Research and technology institutes.**
**42 USC 7811.**

SEC. 101. (a) The Secretary of the Interior (hereafter in this Act referred to as the "Secretary") is hereby authorized and directed to assist in carrying on the work of a competent and qualified water resources research and technology institute, center, or equivalent agency (hereinafter referred to as "institute") at one college or university in each State, which college or university shall be a college or university established in accordance with the Act approved July 2, 1862 (12 Stat. 503; 7 U.S.C. 301ff), entitled "An Act donating public lands to the several States and territories which may provide colleges for the benefit of agriculture and the mechanic arts" or some other institution designated by Act of the legislature of the State concerned: *Provided*, That (1) if there is more than one such college or university in a State established in accordance with said Act of July 2, 1862, funds under this section shall, in the absence of a designation to the contrary by act of the legislature of the State, be paid to the one such college or university designated by the Governor of the State to receive the same, subject to the Secretary's determination that such college or university has, or may reasonably be expected to have the capability of doing effective work under this title; (2) two or more States may cooperate in the designation of a single institute or regional institute, in which event the sums assignable to all of the cooperating States shall be paid to such institute; (3) the designated State institute shall cooperate closely with other colleges and universities in the State with demonstrated research, information dissemination, and gradaute training capabilities in developing a statewide program directed to resolving State and regional water and related land problems; and (4) the designated State institute shall cooperate closely with regional consortia, as may be designated by the Secretary, to increase the effectiveness of the nationwide network of institutes and for the purpose of regional coordination, particularly with river basin commissions and other interagency river basin organizations as may be established by the Congress.

**7 USC 301.**

**Duties.**

(b) (1) It shall be the duty of each such institute to plan and conduct and/or arrange for a component or components of the college or university with which it is affiliated or other qualified colleges or universities within the State, to conduct competent research and development including investigations and experiments of either a basic or practical nature, or both, in relation to water resources, to promote dissemination and application of the results of these efforts, and to provide for the training of scientists and engineers through such research, investigations, and experiments.

(2) The research, investigations, experiments, and training may include, without being limited to, aspects of the hydrologic cycle; supply and demand for water; saline water conversion; conservation and best use of available supplies of water and methods of increasing such supplies; water reuse; and economic, legal, social, engineering, recreational, biological, geographic, ecological, and other aspects of water problems; scientific information dissemination activities, including identifying, assembling, and interpreting the results of scientific and engineering research on water resources problems; and providing means for improved communication of research results, having due regard for the varying conditions and needs for the respective States and regions, for water research and development projects now being conducted by agencies of the Federal and State governments, the agricultural and engineering experiment stations, and other university research centers and for the need to avoid undue displacement of scientists and engineers elsewhere engaged in water resources research and development.

**Annual programs and reports, submittal to Secretary of the Interior.**

(3) The annual program submitted by the State institutes to the Secretary for approval shall include assurances satisfactory to the Secretary, that such programs were developed in close consultation and collaboration with leading water resources officials within the State and region to promote research, training, information dissemination and other work meeting the needs of the State. Additionally, it shall be the duty of each State institute to provide the Secretary with periodic information, at the Secretary's discretion, on water resources research and development activities, needs, and priorities within the State which shall be coordinated with State, local, regional and river basin entities, and to cooperate with the Secretary in preparing periodic reports of ongoing research within the State and its funding by both Federal and non-Federal organizations. Institutes are required to see that notices of research projects are submitted to the center referred to under title III, section 302.

(4) The designated State institutes shall cooperate with the Secretary in the development of five-year water resources research and development goals and objectives.

(5) The designated institutes will receive comment on and transmit all research and development proposals from the academic community to the Secretary for consideration and funding.

**Information dissemination program.**

(c) There is further hereby authorized a program of technology transfer and/or information dissemination to be carried out by the State institutes. Such funds, as are appropriated for this purpose, shall be made available on a competitive basis to the State institutes, based on the merit of project or program proposals submitted to the Secretary, for the purpose of transferring research and development results to other organizations for further development, demonstration, and practical application.

**Publication of program results. 42 USC 7812.**

SEC. 102. Funds appropriated pursuant to this title, in addition to being available for expenses for research and development experiments, and training conducted under authority of this title, shall also be available for printing and publishing the results thereof in the furtherance of technology transfer and for planning and direction. The institutes are hereby authorized and encouraged to plan and conduct programs financed under this title in cooperation with each other and with such other agencies and individuals as may contribute to the solution of the water problems involved, and funds appropriated

pursuant to this title shall be available for paying the necessary expenses of planning, coordinating, and conducting such cooperative research.

Responsibilities.
42 USC 7813.

SEC. 103. (a) The Secretary is hereby charged with the responsibility for the proper administration of this title and, after full consultation with other interested Federal agencies, may prescribe such procedures, rules, and policies as may be necessary to carry out its provisions. He shall require a showing that institutes designated to receive funds have, or may reasonably be expected to have, the capability of doing effective work. He shall furnish such advice and assistance as will best promote the purposes of this title, participate in coordinating research initiated by the institutes under this title, indicate to them such lines of inquiry as to him seem most important, and assist the establishment and maintenance of cooperation among the institutes, other research organizations, the United States Department of the Interior, and other Federal establishments.

(b) The Secretary shall develop a five-year water resources research program in cooperation with the institutes and appropriate water entities, indicating goals, objectives, priorities, and funding requirements.

(c) The Secretary shall annually ascertain that the requirements of subsection 101(b) have been met as to each institute, whether it is entitled to receive its share of the annual appropriations for water resources research and development under section 401(a) of this Act and the amount which it is entitled to receive.

42 USC 7814.

SEC. 104. Nothing in this title shall be construed to impair or modify the legal relation existing between any of the colleges or universities under whose direction an institute is established and the government of the State in which it is located, and nothing in this title shall in any way be construed to authorize Federal control or direction of education at any college or university.

Grants.
42 USC 7815.

SEC. 105. (a) The Secretary is authorized to make grants to institutes to match, on a dollar-for-dollar basis, funds available to institutes from non-Federal sources to meet the necessary expenses of specific water and related land resources research projects which the institute could not otherwise undertake, including the expenses of planning and coordinating regional projects by two or more institutes. Each application for a grant pursuant to this subsection shall, among other things, state the nature of the project to be undertaken, the period during which it will be pursued, the qualifications of the personnel who will direct and conduct it, the importance of the project to the Nation, region, and State concerned, its relation to other known research projects theretofore pursued or currently being pursued, and the extent to which it will provide opportunity for training of water resources scientists. No grant shall be made under this subsection except for a project approved by the Secretary, and all grants shall be made upon the basis of the merit of the project, the need for the knowledge which it is expected to produce when completed, and the opportunity it provides for the training of water resources scientists.

Contract authority.

(b) The Secretary is authorized to make grants to, and finance contracts and matching or other agreements with qualified educational institutions; private foundations or other institutions; and with private firms and individuals whose training, experience, and qualifications are adequate in his judgment for the conduct of water research and development projects; and with local, State, and Federal Govern-

ment agencies to undertake research and development concerning any aspect of water-related problems which he may deem desirable in the national interest.

SEC. 106. Water resources research and development programs carried out in accordance with this title may include, without being limited to water use conservation and efficiencies; water and related planning; saline water conversion; water reuse; management and operations; legal systems; protection and enhancement of the water-based environment; institutional arrangements; salinity management; and economic, social, and environmental impact assessment. Due consideration shall be given to priority problems identified by water and related land resources planning, data acquisition, and like studies conducted by other agencies and organizations. 42 USC 7816.

SEC. 107. As used in this title, the term "State" includes the District of Columbia, the Commonwealth of Puerto Rico, American Samoa, Guam, the Virgin Islands, the Northern Mariana Islands, and the Trust Territory of the Pacific Islands. "State." 42 USC 7817.

SEC. 108. Contracts or other arrangements for water resource work authorized under this title with an institute, educational institution, or nonprofit organization may be undertaken without regard to the provisions of section 3648 of the Revised Statutes (31 U.S.C. 529) when, in the judgment of the Secretary, advance payments of initial expenses are necessary to facilitate such work. 42 USC 7818.

SEC. 109. (a) The Secretary is authorized to study, design, implement, operate, and maintain water resources programs and activities demonstrating the technical and economic viability of processes, systems, or techniques for the purpose of improving the water or water-related environment and to demonstrate the application of water resources research and development results and technology for beneficial purposes. 42 USC 7819.

(b) (1) Funds appropriated pursuant to the authority provided by sections 401(d) and 403 for use under this section may not be expended until thirty calendar days (including days on which either the House of Representatives or the Senate are not in session because of an adjournment of more than three calendar days to a day certain) have elapsed following transmittal of a report to the chairman of the Committee on Interior and Insular Affairs and the chairman of the Comittee on Science and Technology of the House of Representatives and the chairman of the Committee on Environment and Public Works of the United States Senate. Report to congressional committees.

(2) Such report shall present information that includes, but is not limited to, the location of the demonstration activities, the characteristics of the water and water-related problem, the processes or concepts to be demonstrated, the estimated initial investment cost of the demonstration, the estimated annual operating cost of the demonstration, the source of energy for the demonstration and its cost, environmental consequences of the demonstrations; and the estimated costs associated with the demonstration considering the amortization of all components of the demonstration.

(3) Such report shall also be accompanied by a proposed contract or agreement between the Secretary and a duly authorized Federal or non-Federal public or private entity, in which such entity shall agree to share cost to the extent deemed important to the purposes of the activity as determined by the Secretary. Such proposed contract or agreement may provide that either the contractual entity or the United States will develop the activity described in the report and that the Proposed contract or agreement.

United States will either operate and maintain the activity or may participate in the operation and maintenance during which, in either case, access to the activity and its operating data will not be denied to the Secretary or his representatives.

(4) The Secretary is authorized to include in the proposed contract or agreement a provision for conveying all rights, title, and interests of the Federal Government to the Federal or non-Federal, public or private entity subject to a future right to reenter the activity for the purpose of financing at Federal expense modifications for advanced technology and for its operation and maintenance for a successive term under the same conditions as pertain to the original term.

## TITLE II—WATER RESEARCH AND DEVELOPMENT FOR SALINE AND OTHER IMPAIRED WATERS

42 USC 7831.

SEC. 200. Consistent with the Federal responsibility for water resources development and conservation by means of comprehensive planning, water resources development projects, protection of water quality standards, and other measures for the beneficial use of water from various sources, the Congress finds it necessary to provide for the development of technology for the conversion of saline and other impaired waters for beneficial uses. It is the policy therefore to assist and encourage the development of practical means to utilize saline water technology to convert impaired waters of any type from any source to a quality suitable for municipal, industrial, agricultural, and other beneficial uses to transfer research and development results.

Functions.
42 USC 7832.

SEC. 201. The Secretary is authorized and directed to—

(a) conduct, encourage, and promote basic scientific research and fundamental studies to develop effective and economical processes and equipment for the purpose of converting impaired water into water suitable for beneficial uses;

(b) pursue the findings of research and studies authorized by this title having potential practical applications, including application to matters other than water conversion, and to other supply sources such as brackish waters, staged development, and use with energy sources;

(c) conduct engineering and technical work including the design, construction, and testing of various processes, systems, and pilot plants to develop saline water conversion processes to the point of demonstration;

(d) study methods for recovery, beneficial uses and disposal of residuals, and marketing of byproducts resulting from the improvement or conversion of impaired water in an environmentally acceptable manner;

(e) undertake economic studies and surveys to determine present and prospective costs of producing water for beneficial purposes in various parts of the United States by saline water conversion processes and, by means of models, or other methodologies, prepare and maintain information concerning the relation of such conversion processes and systems to other aspects of State, regional, and national comprehensive water resources planning.

Cooperative agreements with non-Federal utilities and governmental entities.
42 USC 7833.

SEC. 202. (a) The Secretary is authorized to conduct preliminary investigations and explore potential cooperative agreements with non-Federal utilities and governmental entities in order to develop

recommendations for Federal participation in the design, construction, operation, and maintenance of demonstration and prototype plants utilizing advanced saline water technologies for the production of water for beneficial use.

(b) In carrying out the provisions of this section, the Secretary shall utilize the expertise of the water and power marketing agencies of the Department of the Interior or of other Federal agencies to insure that the recommended project and the supporting agreements are fully integrated and compatible with the water and power systems of the region.

(c) The Secretary is authorized to accept financial and other assistance from any State or public agency in connection with studies or surveys relating to impaired water and facilities and to enter into contract with respect to such assistance.

**Financial assistance from any State or public agency.**

SEC. 203. The Secretary may issue rules and regulations to effectuate the purposes of this title.

**Rules and regulations. 42 USC 7834.**

SEC. 204. As used in this title—

**Definitions. 42 USC 7835.**

(a) the term "saline and other impaired water" includes but is not limited to seawater, brackish water, mineralized ground or surface water, irrigation return flows, and other similarly contaminated waters;

(b) the term "United States" extends to and includes the District of Columbia, the Commonwealth of Puerto Rico, American Samoa, Guam, the Virgin Islands, the Northern Mariana Islands, and the Trust Territory of the Pacific Islands;

(c) the term "pilot plant" means an experimental unit of sufficient size used to evaluate and develop new or improved processes or systems and to obtain technical and engineering data;

(d) the term "demonstration" means a plant of sufficient capacity and reliability to demonstrate on a day-to-day operating basis that the process or system is feasible and that such process or system has potential for application to water system improvement;

(e) the term "prototype" means a full-size, first-of-a-kind production plant used for the development and study of full-sized technology, energy, and process economics.

SEC. 205. (a) Subsection 2(a) of the Act of August 2, 1977 (Public Law 95-84) is hereby amended by striking "four" and inserting "five" and by striking "Puerto Rico, Virgin Islands, and Guam:" and inserting "the District of Columbia, the Commonwealth of Puerto Rico, American Samoa, Guam, the Virgin Islands, the Northern Mariana Islands, and the Trust Territory of the Pacific Islands:".

**42 USC 7836. 42 USC 1959i.**

(b) Subsection 2(b) of the Act of August 2, 1977 (Public Law 95-84) is hereby amended by striking the period at the end of the third full sentence and adding the following: ": *Provided*, That, the Secretary may waive the obligation of the non-Federal public entity to furnish brine disposal facilities if he finds that such entity is unable financially to bear the cost of such facilities.".

**Waiver.**

(c) In addition to the sums previously authorized to be appropriated to carry out the purpose of section 2 of the Act of August 2, 1977 (Public Law 95-84) there is hereby authorized to be appropriated for the fiscal year ending September 30, 1980 and thereafter, the sum of $10,000,000 to remain available until expended.

**Appropriation authorization. 42 USC 7836 note.**

## TITLE III—TECHNOLOGY TRANSFER AND INFORMATION DISSEMINATION

42 USC 7851.

SEC. 300. The Secretary is authorized to conduct a research assessment and technology transfer program which transfers research and development results to other organizations and individuals for further development and practical application to water and water-related problems. The Secretary may enter into agreements with the State and local governments and with other public and private organizations and individuals, including cost-sharing or cost-participation agreements, for the transfer or application of research results for the solution of water-related problems and to further the transfer developed by programs authorized under this Act. The Secretary may issue publications and may conduct seminars, conferences, training sessions, or use other such techniques he deems necessary to expedite the transfer of research results and technology development. The technology transfer activities will be coordinated with activities undertaken under titles I and II of this Act.

National center for information acquisition, processing and dissemination. 42 USC 7852.

SEC. 301. The Secretary is further authorized to maintain a national center for the acquisition, processing, and dissemination of information dealing with all areas of water resources research, technology development, and demonstration. Each Federal agency engaged in water resources including research, technology development, and demonstration, shall cooperate by providing the center with documents and other pertinent information. The center shall (a) maintain for general use a collection of water resources information provided by Federal and non-Federal government agencies, colleges, universities, private institutions, and individuals; (b) issue publications or utilize other media to disseminate research, technology development, and demonstration information for the purposes of this Act and enter into agreements with public or private organizations or individuals to stimulate acquisition and dissemination of information, thus contributing to a comprehensive, nationwide program of research and development in water resources and the avoidance of unnecessary duplication of effort; (c) make generally available abstracts and other summary type information concerning water resources activities including research projects accomplished and in progress by all Federal agencies and by non-Federal agencies, private institutions, and individuals, to the extent such information can be obtained, and reports completed on research projects funded under provisions of this Act; and (d) in carrying out the information dissemination activities authorized by this section, the Secretary shall to the extent feasible use the resources and facilities of other agencies and of the clearinghouse for scientific, technical, and engineering information established in the Department of Commerce pursuant to sections 1151 through 1157 of title 15, United States Code.

Center for cataloging scientific research. 42 USC 7853.

SEC. 302. There shall be established, in such agency and location as the President determines to be desirable, a center for cataloging current scientific research in all fields of water resources. Each Federal agency doing water resources research shall cooperate by providing the cataloging center with information on work underway. The cataloging center shall classify and maintain for general use a file of water resources research and investigation projects in progress or scheduled by all Federal agencies and by such non-Federal agencies of government, colleges, universities, private institutions, firms, and individuals as voluntarily may make such information available.

## TITLE IV—GENERAL PROVISIONS

SEC. 400. (a) As used in this Act, the term "Secretary" means the Secretary of the Interior.

"Secretary." 42 USC 7871.

(b) In carrying out his functions under this Act, the Secretary may:

(1) make grants to educational institutions and scientific organizations, and enter into contracts with institutions and organizations and with industrial or engineering firms;

(2) acquire the services of chemists, physicists, engineers, and other personnel by contract or otherwise;

(3) utilize the facilities of Federal scientific laboratories;

(4) establish and operate necessary facilities and test sites to carry on the continuous research, testing, development, and programing necessary to effectuate the purposes of this title;

(5) acquire processes, technical data, inventions, patent applications, patents, licenses, land and interests in land (including water rights), plants and facilities, and other property or rights by purchase, license, lease, or donation pursuant to the Federal Property and Administrative Services Act (40 U.S.C. 471) as amended, where applicable;

(6) assemble and maintain pertinent and current scientific literature, publications, patents, licenses, land and interests in land (including water rights thereto);

(7) cause onsite inspections to be made of promising projects, domestic and foreign, and in the case of projects located in the United States, cooperate and participate in their development when the purposes of this title will be served thereby;

(8) foster and participate in regional, national, and international conferences relating to water resources;

(9) accept financial and other assistance from any local, State, Federal, or other agency or entity in connection with studies or surveys relating to water problems and facilities and enter into contracts with regard to such assistance;

(10) coordinate, correlate, and publish information with a view to advancing the development of practicable water conversion projects; and

(11) cooperate with other Federal departments and agencies, with State and local departments, agencies, and instrumentalities, and with interested persons, firms, institutions, and organizations.

SEC. 401. (a)(1) There is hereby authorized to be appropriated for the purpose of carrying out the program described in subsection 101(a) of this Act an amount sufficient to provide $150,000 to each participating institute, on a cost-sharing basis, for the fiscal year ending September 30, 1979, and an amount sufficient to provide $175,000 to each participating institute on a cost-sharing basis, for the fiscal year ending September 30, 1980.

Appropriation authorization. 42 USC 7872.

(2) There is authorized to be appropriated, on a cost-sharing basis, for the purpose of carrying out the provisions of subsection 101(c) of this Act the sum of $750,000 for the fiscal year ending September 30, 1979, and the sum of $1,350,000 for the fiscal year ending September 30, 1980, all to remain available until expended.

(2) Cost sharing under sections 101(a) and 101(c) shall be on the basis of two Federal shares to not less than one non-Federal share. Federal funds made available under this section shall not be used for

Cost sharing.

support of indirect costs as defined by current Federal regulations; however, such indirect costs may be credited as a non-Federal contribution to the total cost of activities to be carried out pursuant to the Federal grant or contract.

(b) There is authorized to be appropriated for purposes of carrying out the provisions of section 105(a) of this Act for the fiscal year ending September 30, 1979, the sum of $6,000,000, and for the fiscal year ending September 30, 1980, the sum of $8,500,000, all to remain available until expended, to match on a dollar-for-dollar basis, funds made available by non-Federal sources to meet the necessary expenses of specific water resources research and development projects which could not otherwise be undertaken.

(c) There is authorized to be appropriated for purposes of carrying out the provisions of section 105(b) of this Act for the fiscal year ending September 30, 1979, the sum of $5,200,000, and for the fiscal year ending September 30, 1980, the sum of $8,000,000 all to remain available until expended, which shall be available on a competitive basis to any organization or individual to finance grants, contracts, matching grants, or other arrangements which equal 100 per centum, or any lesser per centum of the total cost of the project involved.

(d) There is authorized to be appropriated for purposes of carrying out the provisions of section 109 of this Act for the fiscal year ending September 30, 1980, the sum of $1,000,000 to remain available until expended, which shall be available on a competitive basis to any organization or individual to finance projects pursuant to the terms of said section 109.

**Appropriation authorization. 42 USC 7873.**

SEC. 402. (a) There is authorized to be appropriated to carry out the provisions of title II of this Act for the fiscal year ending September 30, 1979, the sum of $12,000,000, and for the fiscal year ending September 30, 1980, the sum of $14,000,000, all of which is to remain available until expended. The categories for which such funds are authorized are research, development and demonstration plant studies. The funds appropriated to such authorization shall be distributed to the foregoing categories as determined by prevailing budgetary priorities.

(b) Not more than 5 per centum of the funds to be made available in any fiscal year for research under the authority of this title may be expended for foreign activities subject to the approval of the Secretary of State to assure that such activities are consistent with the foreign policy objectives of the United States, in cooperation with public or private agencies in foreign countries for research useful to the programs in the United States.

**Appropriation authorization. 42 USC 7874.**

SEC. 403. There is authorized to be appropriated the sum of $4,464,000 for the fiscal year ending September 30, 1979, and the sum of $5,100,000 for the fiscal year ending September 30, 1980, to carry out the sections of titles I, II, III, and IV of this Act other than those for which special specific authorizations are made.

**Grant applications. 42 USC 7875.**

SEC. 404. Each application for a grant, pursuant to this Act, shall, among other things, state the nature of the project to be undertaken, the period during which it will be pursued, the water problem it addresses, the qualifications of the personnel who will direct and conduct it, the importance of the project to the water-related economy of the Nation, the need for and expected utilization of the results, the region and the State concerned, its relation to other known research projects previously conducted or currently being pursued, the procedures by which the results can be disseminated, and the extent to

which it will provide opportunities for the training of water resources scientists and engineers. No grant shall be made except for projects approved by the Secretary and all grants shall be made upon the basis of the merit of the project, the need for the knowledge it is expected to produce when completed, and the opportunities it provides for the training of water resources scientists and engineers.

Conditions.

SEC. 405. (a) Sums appropriated pursuant to this Act may be paid at such times and in such amounts during each fiscal year as determined by the Secretary and upon vouchers approved by him. Except as may be otherwise specified by this Act, funds received pursuant to such payment may be used for any allowable costs within the meaning of the Federal procurement regulations that establish principles for determining costs applicable to research and development under grants and contracts with educational institutions.

42 USC 7876.

(b) Each State institute operating pursuant to title I of this Act shall have an officer appointed by its governing authority who shall receive and account for all funds paid to the institute under the provisions of this Act and who shall provide to the Secretary an annual statement of the amounts received under any of the provisions of this Act during the preceding fiscal year, and of its disbursement. If any of the moneys received by the authorized receiving officer of any State institute under the provisions of this Act shall, by any action or contingency, be found by the Secretary to have been improperly diminished, lost, or misapplied, it shall be replaced and until so replaced no subsequent disbursement of Federal funds shall be made to any institute of such State.

SEC. 406. (a) The Secretary shall cooperate fully with, and shall obtain the continuing advice and cooperation of, all agencies of the Federal Government concerned with water problems, State and local governments, and private institutions and individuals, to assure that the programs conducted under this Act will supplement and not duplicate other water research and technology programs, will stimulate research and development in neglected areas, and will provide a comprehensive, nationwide program of water resources research and development. In order to further these purposes, as well as to assure research undertaken by the Secretary on wastewater treatment and treatment of water for potable use is most responsive to needs in implementing the Federal Water Pollution Control Act, as amended (Public Law 92-500), and the Safe Drinking Water Act, as amended (Public Law 93-523), the Secretary will consult with the Administrator of the Environmental Protection Agency in developing and implementing programs in these areas. The Secretary will encourage utilization of the center referred to in title III, section 302, for cataloging current research projects in order to assure that programs conducted under this Act will supplement and not duplicate other research and technology programs and will encourage other Federal agencies to do likewise.

42 USC 7877.

Consultation with EPA.

33 USC 1251 note.

42 USC 201 note.

(b) The President shall, by such means as he deems appropriate, clarify agency responsibilities for Federal water resources research and development and provide for interagency coordination of such research, including the research authorized by this Act. Such coordination shall include (1) continuing review of the adequacy of the Government-wide program in water resources research and development and identification of technical needs in various water resources research categories, (2) identification and elimination of

Interagency coordination.

duplication and overlaps between two or more programs, (3) recommendations with respect to allocation of technical effort among the Federal agencies, (4) review of technical manpower needs and findings concerning the technical manpower base of the program, (5) recommendations concerning management policies to improve the quality of the Government-wide research effort, and (6) actions to facilitate interagency communication at management levels.

Report to congressional committee.

(c) The Secretary shall report within one year of the date of enactment of this Act to the chairman of the Committee on Science and Technology of the House of Representatives concerning actions taken by the Secretary and the President to implement this section.

Property conveyance. 42 USC 7878.

SEC. 407. (a) Property acquired by the Secretary under this Act for use in furtherance of the purposes of this Act may be conveyed to a cooperating institute, educational institution, or nonprofit organization in accordance with the Federal Property and Administrative Services Act of 1949, as amended.

40 USC 471 note.

(b) The Secretary may dispose of water and byproducts resulting from his operations under this Act. All moneys received from dispositions under this Act shall be paid into the Treasury as miscellaneous receipts except where such operations may be undertaken as a part of a Federal reclamation project in which case the financial provisions of the reclamation laws (32 Stat. 388 and Acts amendatory thereof and supplementary thereto) shall govern.

Patent policy. 42 USC 7879.

SEC. 408. With respect to patent policy and to the definition of title to, and licensing of inventions made or conceived in the course of, or under any contract or grant pursuant to this Act, and notwithstanding any other provision of law, the Secretary shall be governed by the provisions of sections 9 and 10 of the Federal Nonnuclear Energy, Research, and Development Act of 1974 (Public Law 93-577; 88 Stat. 1887, 1891; 42 U.S.C. 5908, 5909): *Provided however*, That subsections (l) and (n) of section 9 of such Act shall not apply to this Act: *Provided further, however*, That, subject to the patent policy of section 408, all research or development contracted for, sponsored, cosponsored, or authorized under authority of this Act, shall be provided in such manner that all information, data, and knowhow, regardless of their nature or mediums, resulting from such research and development will (with such exceptions and limitations, if any, as the Secretary may find to be necessary in the interest of national defense) be usefully available for practice by the general public consonant with the purpose of this Act.

Report to Secretary of the Interior. 42 USC 7880.

SEC. 409. The institutes shall submit a summary report to the Secretary on or before January 31 of each year which highlights research and development work accomplished during the preceding fiscal year, the status of projects underway, and recommended future projects. This report is in addition to such other reports as may be required by sections 101(b) and 405(b) of this Act. The Secretary shall submit a summary report to the President and the Congress on or before April 1 of each year which summarizes program activities of the preceding fiscal year and projects for the future.

Report to Congress and the President.

Repeals. 42 USC 1961-1961a-5, 1961b, 1961c-1961c-8, 1959-1959h. 42 USC 7881.

SEC. 410. (a) The Water Resources Research Act of 1964 (Public Law 88-379, 78 Stat. 329; 42 U.S.C. 1961 et seq.), as amended, and the Saline Water Conversion Act of 1971 (Public Law 92-60, 85 Stat. 159; 42 U.S.C. 1959 et seq.), as amended, are hereby repealed.

(b) Nothing elsewhere in this Act is intended to repeal, supersede, or diminish existing authorities or responsibilities of any agency of the Federal Government concerning water resources.

(c) Nothing in this Act shall be construed to alter existing law with respect to the ownership and control of water.

Transmittal to Speaker of the House and President of the Senate.

SEC. 411. Any rules, regulations, guidelines, interpretations, orders, or requirements of general applicability prescribed by the Secretary of the Interior in connection with, or affecting, the administration of any program authorized by this Act or by section 2 of the Act of August 2, 1977 (Public Law 95-84) shall be transmitted to the Speaker of the House of Representatives and the President of the Senate and shall not become effective for thirty days after the date of such transmittal. The thirty day period shall be deemed to run without interruption except during periods when either House is in adjournment sine die, in adjournment subject to the call of the Chair, or in adjournment to a day certain for a period of more than four consecutive days.

42 USC 7882.
42 USC 1959i.

SEC. 412. Notwithstanding any other provision of this Act, authority to enter into contracts or cooperative agreements and to make payments under this Act shall be effective only to the extent or in such amounts as are provided in advance in appropriation Acts.

42 USC 7883.

Approved October 17, 1978.

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LEGISLATIVE HISTORY:

HOUSE REPORT No. 95-1156 accompanying H.R. 11226 (Comm. on Interior and Insular Affairs).
SENATE REPORT No. 95-836 (Comm. on Environment and Public Works).
CONGRESSIONAL RECORD, Vol. 124 (1978):
May 25, considered and passed Senate.
July 11, H.R. 11226 considered and passed House; passage vacated and S. 2704, amended, passed in lieu.
Sept. 25, Senate concurred in House amendment with amendments.
Oct. 2, House concurred in Senate amendments.
WEEKLY COMPILATION OF PRESIDENTIAL DOCUMENTS, Vol. 14, No. 42:
Oct. 17, Presidential statement.