

(5) whereas we have as a Nation been highly successful in the conduct of basic research in a variety of scientific areas, including superconductivity, other nations have been highly successful in the commercial and military application of the results of such fundamental research;

(6) if the United States is to begin its competitive advantage, it must commit sufficient long-term resources to solving processing and manufacturing problems in parallel with basic research and development;

(7) Federal agencies have responded aggressively to this exciting challenge by reprogramming funds to basic superconductivity research while informally coordinating their efforts to avoid unnecessary duplication; and further commitment of Federal funding and efforts directed to developing manufacturing, materials processing, and fabrication technologies is essential so that these activities may be conducted in parallel;

(8) successful development and application of the new superconducting materials will require close collaboration between the Federal Government and the industrial and academic components of the private sector, as well as coordinating among the Federal departments and agencies involved in research and development on superconductors;

(9) a committed Federal program effort with appropriate long-term goals, priorities, and adequate resources is necessary for the rapid development and application of the new superconducting materials; and

(10) a national program should serve as a test of new agency authorities directed at technological competitiveness such as those provided to the Department of Energy.

(b) Purposes

The purposes of this chapter are—

(1) to establish a 5-year national action plan to research and develop new high-temperature superconducting materials with appropriate goals and priorities;¹

(2) to designate the appropriate roles, mechanisms, and responsibilities of various Federal departments and agencies in implementing such a national research and development action plan.

(Pub. L. 100-697, § 2, Nov. 19, 1988, 102 Stat. 4613.)

SHORT TITLE

Pub. L. 100-697, § 1, Nov. 19, 1988, 102 Stat. 4613, provided that: "This Act [enacting this chapter] may be cited as the 'National Superconductivity and Competitiveness Act of 1988'."

§ 5202. National Action Plan on Advanced Superconductivity Research and Development

(a) Establishment

(1) The Director of the Office of Science and Technology Policy shall establish a 5-year National Action Plan on Advanced Superconductivity Research and Development (hereinafter in this chapter referred to as the "Superconductivity Action Plan").

(2) The Office of Science and Technology Policy shall coordinate the development of the

Superconductivity Action Plan and any recommendations required by this chapter with the National Critical Materials Council and the National Commission on Superconductivity.

(b) Content and scope

The Superconductivity Action Plan shall include—

(1) goals and priorities for advanced superconductivity research and development to be carried out by individual departments and agencies and organizational elements therein;

(2) the assignment of responsibility for the conduct of advanced superconductivity research and development among the departments, agencies, and organization elements therein;

(3) recommendation of proposed funding levels for activities relating to superconductivity of the 5 years following November 19, 1988, for each of the participating departments, agencies, and organizational elements therein; and

(4) proposals for the participation by industry and academia in the planning and implementation of the Superconductivity Action Plan.

(c) Action Plan report

The Office of Science and Technology Policy, in conjunction with the National Critical Materials Council, shall submit a report detailing the Superconductivity Action Plan to the Committee on Science, Space, and Technology of the House of Representatives, and to the Committees on Energy and Natural Resources, and Commerce, Science, and Transportation of the Senate, within 9 months after November 19, 1988.

(d) Update reports

The Office of Science and Technology Policy, with the assistance of the National Critical Materials Council as specified in the National Critical Materials Act of 1984 (30 U.S.C. 1801 et seq.), shall prepare an annual report setting forth and evaluating the progress of the Superconductivity Action Plan. This report shall include a description of the amount of funds expended in the previous year by all Federal departments and agencies involved with superconductivity. This report shall be submitted with the President's annual budget request to the Committee on Science, Space, and Technology of the House of Representatives, and to the Committees on Energy and Natural Resources, and Commerce, Science, and Transportation of the Senate.

(Pub. L. 100-697, § 3, Nov. 19, 1988, 102 Stat. 4614.)

REFERENCES IN TEXT

The National Critical Materials Act of 1984, referred to in subsec. (d), is title II of Pub. L. 98-373, July 31, 1984, 98 Stat. 1248, as amended, which is classified generally to chapter 30 (§1801 et seq.) of Title 30, Mineral Lands and Mining. For complete classification of this Act to the Code, see Short Title note set out under section 1801 of Title 30 and Tables.

§ 5203. Department of Energy

The Secretary of Energy shall conduct a program in superconductivity research and development. Within 180 days after November 19, 1988, and for the two succeeding years thereafter, the Secretary shall submit annual reports on the

¹ So in original. Probably should be followed by "and".