

of a variety of high quality scientific instruments; and

(iii) phases in systems upgrades to ensure that the Facility remains at the forefront of international scientific endeavors in the field of the Facility throughout the operating life of the Facility;

(B) include an ongoing program to develop new instruments that builds on the high performance neutron source and that allows neutron scattering techniques to be applied to a growing range of scientific problems and disciplines; and

(C) address the status of and, to the maximum extent practicable, costs and schedules for—

(i) full user mode operations of the Facility;

(ii) instrumentation built at the Facility during the operating phase through full use of the experimental hall, including the SING;

(iii) the SNS power upgrade; and

(iv) the SNS second target station.

(d) Authorization of appropriations

(1) Spallation Neutron Source Project

There is authorized to be appropriated to carry out the Spallation Neutron Source Project for the lifetime of the Project \$1,411,700,000 for total project costs, of which—

(A) \$1,192,700,000 shall be used for the costs of construction; and

(B) \$219,000,000 shall be used for other Project costs.

(2) Spallation Neutron Source Facility

(A) In general

Except as provided in subparagraph (B), there is authorized to be appropriated for the Spallation Neutron Source Facility for—

(i) the SING, \$75,000,000 for each of fiscal year 2007 through 2009; and

(ii) the SNS power upgrade, \$160,000,000, to remain available until expended.

(B) Insufficient stockpiles of heavy water

If stockpiles of heavy water of the Department are insufficient to meet the needs of the Facility, there is authorized to be appropriated for the Facility \$12,000,000 for fiscal year 2007.

(Pub. L. 109-58, title IX, §980, Aug. 8, 2005, 119 Stat. 905.)

§ 16321. Rare Isotope Accelerator

(a) Establishment

The Secretary shall construct and operate a Rare Isotope Accelerator. The Secretary shall commence construction no later than September 30, 2008.

(b) Authorization of appropriations

There are authorized to be appropriated to the Secretary such sums as may be necessary to carry out this section. The Secretary shall not spend more than \$1,100,000,000 in Federal funds for all activities associated with the Rare Isotope Accelerator, prior to operation of the Accelerator.

(Pub. L. 109-58, title IX, §981, Aug. 8, 2005, 119 Stat. 907.)

§ 16322. Office of Scientific and Technical Information

The Secretary, through the Office of Scientific and Technical Information, shall maintain within the Department publicly available collections of scientific and technical information resulting from research, development, demonstration, and commercial applications activities supported by the Department.

(Pub. L. 109-58, title IX, §982, Aug. 8, 2005, 119 Stat. 907.)

§ 16323. Science and engineering education pilot program

(a) Establishment of pilot program

The Secretary shall award a grant to a Southeastern United States consortium of major research universities that currently advances science and education by partnering with National Laboratories, to establish a regional pilot program of its SEEK-16 program for enhancing scientific, technological, engineering, and mathematical literacy, creativity, and decision-making. The consortium shall include leading research universities, one or more universities that train substantial numbers of elementary and secondary school teachers, and (where appropriate) National Laboratories.

(b) Program elements

The regional pilot program shall include—

(1) expanding strategic, formal partnerships among universities with strength in research, universities that train substantial numbers of elementary and secondary school teachers, and the private sector;

(2) combining Department expertise with one or more National Aeronautics and Space Administration Educator Resource Centers;

(3) developing programs to permit current and future teachers to participate in ongoing research projects at National Laboratories and research universities and to adapt lessons learned to the classroom;

(4) designing and implementing course work;

(5) designing and implementing a strategy for measuring and assessing progress under the program; and

(6) developing models for transferring knowledge gained under the pilot program to other institutions and areas of the United States.

(c) Categorization

A grant under this section shall be considered an authorized activity under section 7381b of this title.

(d) Report

No later than 2 years after the award of the grant, the Secretary shall transmit to Congress a report outlining lessons learned and, if determined appropriate by the Secretary, containing a plan for expanding the program throughout the United States.

(Pub. L. 109-58, title IX, §983, Aug. 8, 2005, 119 Stat. 907.)