

cies, the National Laboratories, the private sector, and institutions of higher education, which can each contribute relevant compute time, capabilities, or other resources.

(3) Activities

The Consortium shall—

(A) match applicants with available Federal and private sector computing resources;

(B) consider supplemental awards for computing partnerships with Consortium members to qualifying entities on a competitive merit-review basis;

(C) encourage collaboration and communication among member representatives of the Consortium and awardees;

(D) provide access to the high-performance computing capabilities, expertise, and user facilities of the Department and the National Laboratories; and

(E) submit an annual report to the Secretary summarizing the activities of the Consortium, including—

(i) describing each project undertaken by the Consortium;

(ii) detailing organizational expenditures; and

(iii) evaluating contributions to the achievement of technical milestones as determined in subsection (a).

(4) Coordination

The Secretary shall ensure the coordination of, and avoid unnecessary duplication of, the activities of the Consortium with the activities of other research entities of the Department, other Federal research institutions, institutions of higher education, and the private sector.

(f) Report

Not later than 2 years after August 9, 2022, the Secretary shall submit to the Committee on Science, Space, and Technology and the Committee on Energy and Commerce of the House of Representatives, and the Committee on Energy and Natural Resources, the Committee on Commerce, Science, and Transportation, and the Committee on Health, Education, Labor, and Pensions of the Senate, a report detailing the effectiveness of—

(1) the interagency coordination among each Federal agency involved in the initiative established under subsection (a);

(2) the collaborative research achievements of that initiative, including the achievement of the technical milestones determined under that subsection; and

(3) potential opportunities to expand the technical capabilities of the Department.

(g) Funding

Out of funds authorized to be appropriated for the Office of Science in a fiscal year, there is authorized to be appropriated to the Secretary to carry out the activities under this section \$50,000,000 for each of fiscal years 2023 through 2027.

(Pub. L. 115–246, title III, §315, as added Pub. L. 117–167, div. B, title I, §10112(a), Aug. 9, 2022, 136 Stat. 1461.)

§ 18654. Midscale instrumentation and research equipment program

(a) In general

The Director shall establish a midscale instrumentation and research equipment program to develop, acquire, and commercialize research instrumentation and equipment needed to meet the missions of the Department and to provide platform technologies for the broader scientific community.

(b) Activities

Under the program established under subsection (a), the Director shall—

(1) enable the development and acquisition of novel, state-of-the-art instruments that—

(A) range in cost from \$1,000,000 to \$20,000,000 each; and

(B) would significantly accelerate scientific breakthroughs at user facilities; and

(2) strongly encourage partnerships among—

(A) National Laboratories;

(B) user facilities; and

(C)(i) institutions in a State receiving funding under the Established Program to Stimulate Competitive Research established under section 13503(b)(3) of this title;

(ii) historically Black colleges or universities;

(iii) minority-serving institutions of higher education; or

(iv) institutions of higher education in a rural area.

(c) Coordination with other programs

The Director shall coordinate the program established under subsection (a) with all other programs carried out by the Office of Science of the Department.

(d) Research equipment and technology development coordination

The Director shall encourage coordination among the Office of Science, the National Laboratories, the Office of Technology Transitions, and relevant academic and private sector entities to identify, disseminate, and commercialize research instruments, equipment, and related technologies developed to aid basic science research discoveries that meet the mission of the Department.

(e) Authorization of appropriations

Out of funds authorized to be appropriated for the Office of Science in a fiscal year, there is authorized to be appropriated to carry out this section \$150,000,000 for each of fiscals¹ years 2023 through 2027.

(Pub. L. 115–246, title III, §316, as added Pub. L. 117–167, div. B, title I, §10112(a), Aug. 9, 2022, 136 Stat. 1463.)

§ 18655. Authorization of appropriations

There are authorized to be appropriated to the Secretary to carry out the activities described in this subchapter—

(1) \$8,902,392,400 for fiscal year 2023;

(2) \$9,541,895,744 for fiscal year 2024;

¹ So in original. Probably should be “fiscal”.