

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”.

- (3) \$10,068,198,994 for fiscal year 2025;
- (4) \$10,468,916,520 for fiscal year 2026; and
- (5) \$10,831,342,317 for fiscal year 2027.

(Pub. L. 115-246, title III, §317, as added Pub. L. 117-167, div. B, title I, §10112(a), Aug. 9, 2022, 136 Stat. 1464.)

CHAPTER 162—ENERGY INFRASTRUCTURE

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18701. Definitions.

SUBCHAPTER I—GRID INFRASTRUCTURE AND RESILIENCY

PART A—GRID INFRASTRUCTURE RESILIENCE AND RELIABILITY

- 18711. Preventing outages and enhancing the resilience of the electric grid.
- 18712. Electric grid reliability and resilience research, development, and demonstration.
- 18713. Transmission facilitation program.

PART A-1—ELECTRIC TRANSMISSION

- 18715. Transmission facility financing.
- 18715a. Grants to facilitate the siting of interstate electricity transmission lines.
- 18715b. Interregional and offshore wind electricity transmission planning, modeling, and analysis.

PART B—CYBERSECURITY

- 18721. Enhancing grid security through public-private partnerships.
- 18722. Energy cyber sense program.
- 18723. Rural and municipal utility advanced cybersecurity grant and technical assistance program.
- 18724. Enhanced grid security.
- 18725. Cybersecurity plan.
- 18726. Savings provision.

SUBCHAPTER II—SUPPLY CHAINS FOR CLEAN ENERGY TECHNOLOGIES

- 18741. Battery processing and manufacturing.
- 18742. Advanced energy manufacturing and recycling grant program.
- 18743. Critical minerals mining and recycling research.
- 18744. 21st Century Energy Workforce Advisory Board.

SUBCHAPTER III—FUELS AND TECHNOLOGY INFRASTRUCTURE INVESTMENTS

PART A—NUCLEAR ENERGY INFRASTRUCTURE

- 18751. Infrastructure planning for micro and small modular nuclear reactors.
- 18752. Property interests relating to certain projects and protection of information relating to certain agreements.
- 18753. Civil nuclear credit program.

PART B—MISCELLANEOUS

- 18761. Clean energy demonstration program on current and former mine land.

SUBCHAPTER IV—ENERGY INFORMATION ADMINISTRATION

- 18771. Definitions.
- 18772. Data collection in the electricity sector.
- 18773. Expansion of energy consumption surveys.
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- 18775. Plan for the modeling and forecasting of demand for minerals used in the energy sector.
- 18776. Expansion of international energy data.
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SUBCHAPTER V—ENERGY EFFICIENCY AND BUILDING INFRASTRUCTURE

PART A—RESIDENTIAL AND COMMERCIAL ENERGY EFFICIENCY

- 18791. Definitions.
- 18792. Energy efficiency revolving loan fund capitalization grant program.
- 18793. Energy auditor training grant program.

PART A-1—RESIDENTIAL EFFICIENCY AND ELECTRIFICATION REBATES

- 18795. Home energy performance-based, whole-house rebates.
- 18795a. High-efficiency electric home rebate program.
- 18795b. State-based home energy efficiency contractor training grants.

PART B—BUILDINGS

- 18801. Building, training, and assessment centers.
- 18802. Career skills training.
- 18803. Commercial building energy consumption information sharing.

PART C—SMART MANUFACTURING

- 18811. Definitions.
- 18812. Leveraging existing agency programs to assist small and medium manufacturers.
- 18813. Leveraging smart manufacturing infrastructure at National Laboratories.
- 18814. State manufacturing leadership.
- 18815. Report.

PART D—SCHOOLS AND NONPROFITS

- 18831. Grants for energy efficiency improvements and renewable energy improvements at public school facilities.
- 18832. Energy efficiency materials pilot program.

PART E—MISCELLANEOUS

- 18841. Survey, analysis, and report on employment and demographics in the energy, energy efficiency, and motor vehicle sectors of the United States.
- 18842. Model guidance for combined heat and power systems and waste heat to power systems.

SUBCHAPTER VI—WAGE RATE REQUIREMENTS

- 18851. Wage rate requirements.

SUBCHAPTER VII—MISCELLANEOUS

- 18861. Office of Clean Energy Demonstrations.

§ 18701. Definitions

In this division:

(1) Department

The term “Department” means the Department of Energy.

(2) Indian Tribe

The term “Indian Tribe” has the meaning given the term in section 5304 of title 25.

(3) Secretary

The term “Secretary” means the Secretary of Energy.

(Pub. L. 117-58, div. D, §40001, Nov. 15, 2021, 135 Stat. 923.)

Editorial Notes

REFERENCES IN TEXT

This division, referred to in text, is div. D of Pub. L. 117-58, Nov. 15, 2021, 135 Stat. 923, which enacted this