

vention, the Food and Drug Administration, and other related Federal agencies, as appropriate.

(e) Termination

The Entity shall terminate on the date that is 10 years after January 1, 2021.

(Pub. L. 116-283, div. A, title II, §261, Jan. 1, 2021, 134 Stat. 3497.)

REFERENCES IN TEXT

This chapter, referred to in subsec. (a), was in the original “this subtitle”, meaning subtitle E (§§261-267) of title II of Pub. L. 116-283, div. A, Jan. 1, 2021, 134 Stat. 3497, which is classified principally to this chapter. For complete classification of subtitle E to the Code, see Tables.

§ 9302. Strategic plan for sustainable chemistry

(a) Strategic plan

Not later than 2 years after January 1, 2021, the Entity shall—

(1) consult with relevant stakeholders, including representatives from industry, academia, national labs, the Federal Government, and international entities, to develop and update, as needed, a consensus definition of “sustainable chemistry” to guide the activities under this chapter;

(2) develop a working framework of attributes characterizing, and metrics for assessing, sustainable chemistry, as described in subsection (b);

(3) assess the state of sustainable chemistry in the United States as a key benchmark from which progress under the activities described in this chapter can be measured, including assessing key sectors of the United States economy, key technology platforms, commercial priorities, and barriers to innovation;

(4) coordinate and support Federal research, development, demonstration, technology transfer, commercialization, education, and training efforts in sustainable chemistry, including budget coordination and support for public-private partnerships, as appropriate;

(5) identify any Federal regulatory barriers to, and opportunities for, Federal agencies facilitating the development of incentives for development, consideration, and use of sustainable chemistry processes and products;

(6) identify major scientific challenges, roadblocks, and hurdles to transformational progress in improving the sustainability of the chemical sciences; and

(7) review, identify, and make effort to eliminate duplicative Federal funding and duplicative Federal research in sustainable chemistry.

(b) Characterizing and assessing sustainable chemistry

The Entity shall develop a working framework of attributes characterizing, and metrics for assessing, sustainable chemistry for the purposes of carrying out this chapter. In developing this framework, the Entity shall—

(1) seek advice and input from stakeholders as described in subsection (c);

(2) consider existing definitions of, or frameworks characterizing and metrics for assessing, sustainable chemistry already in use at Federal agencies;

(3) consider existing definitions of, or frameworks characterizing and metrics for assessing, sustainable chemistry already in use by international organizations of which the United States is a member, such as the Organisation for Economic Co-operation and Development; and

(4) consider any other appropriate existing definitions of, or frameworks characterizing and metrics for assessing, sustainable chemistry.

(c) Consultation

In carrying out the duties described in subsections (a) and (b), the Entity shall consult with stakeholders qualified to provide advice and information to guide Federal activities related to sustainable chemistry through workshops, requests for information, or other mechanisms as necessary. The stakeholders shall include representatives from—

(1) business and industry, including trade associations and small- and medium-sized enterprises from across the value chain;

(2) the scientific community, including the National Academies of Sciences, Engineering, and Medicine, scientific professional societies, national labs, and academia;

(3) the defense community;

(4) State, tribal, and local governments, including nonregulatory State or regional sustainable chemistry programs, as appropriate;

(5) nongovernmental organizations; and

(6) other appropriate organizations.

(d) Report to Congress

(1) In general

Not later than 2 years after January 1, 2021, the Entity shall submit a report to the Committee on Environment and Public Works, the Committee on Commerce, Science, and Transportation, the Committee on Agriculture, Nutrition, and Forestry, the Committee on Health, Education, Labor, and Pensions, and the Committee on Appropriations of the Senate, and the Committee on Science, Space, and Technology, the Committee on Energy and Commerce, the Committee on Agriculture, the Committee on Education and Labor, and the Committee on Appropriations of the House of Representatives. In addition to the elements described in subsections (a) and (b), the report shall include—

(A) a summary of federally funded sustainable chemistry research, development, demonstration, technology transfer, commercialization, education, and training activities;

(B) a summary of the financial resources allocated to sustainable chemistry initiatives by each participating agency;

(C) an assessment of the current state of sustainable chemistry in the United States, including the role that Federal agencies are playing in supporting it;

(D) an analysis of the progress made toward achieving the goals and priorities of this chapter, and recommendations for future program activities;

(E) an evaluation of steps taken and future strategies to avoid duplication of efforts,

streamline interagency coordination, facilitate information sharing, and spread best practices among participating agencies; and

(F) an evaluation of duplicative Federal funding and duplicative Federal research in sustainable chemistry, efforts undertaken by the Entity to eliminate duplicative funding and research, and recommendations on how to achieve these goals.

(2) Submission to GAO

The Entity shall also submit the report described in paragraph (1) to the Comptroller General of the United States for consideration in future Congressional inquiries.

(3) Additional reports

The Entity shall submit a report to Congress and the Comptroller General of the United States that incorporates the information described in subparagraphs (A), (B), (D), (E), and (F) of paragraph (1) every 3 years, commencing after the initial report is submitted until the Entity terminates.

(Pub. L. 116-283, div. A, title II, §262, Jan. 1, 2021, 134 Stat. 3498.)

REFERENCES IN TEXT

This chapter, referred to in subsecs. (a)(1), (b), and (d)(1)(D), was in the original “this subtitle”, meaning subtitle E (§§261-267) of title II of Pub. L. 116-283, div. A, Jan. 1, 2021, 134 Stat. 3497, which is classified principally to this chapter. For complete classification of subtitle E to the Code, see Tables.

This chapter, referred to in subsec. (a)(3), was in the original “this title”, which was translated as meaning this subtitle, which is classified principally to this chapter, to reflect the probable intent of Congress.

§ 9303. Agency activities in support of sustainable chemistry

(a) In general

The agencies participating in the Entity shall carry out activities in support of sustainable chemistry, as appropriate to the specific mission and programs of each agency.

(b) Activities

The activities described in subsection (a) shall—

(1) incorporate sustainable chemistry into existing research, development, demonstration, technology transfer, commercialization, education, and training programs, that the agency determines to be relevant, including consideration of—

(A) merit-based competitive grants to individual investigators and teams of investigators, including, to the extent practicable, early career investigators, for research and development;

(B) grants to fund collaborative research and development partnerships among universities, industry, and nonprofit organizations;

(C) coordination of sustainable chemistry research, development, demonstration, and technology transfer conducted at Federal laboratories and agencies;

(D) incentive prize competitions and challenges in coordination with such existing Federal agency programs; and

(E) grants, loans, and loan guarantees to aid in the technology transfer and commercialization of sustainable chemicals, materials, processes, and products;

(2) collect and disseminate information on sustainable chemistry research, development, technology transfer, and commercialization, including information on accomplishments and best practices;

(3) expand the education and training of students at appropriate levels of education, professional scientists and engineers, and other professionals involved in all aspects of sustainable chemistry and engineering appropriate to that level of education and training, including through—

(A) partnerships with industry as described in section 9304 of this title;

(B) support for the integration of sustainable chemistry principles into chemistry and chemical engineering curriculum and research training, as appropriate to that level of education and training; and

(C) support for integration of sustainable chemistry principles into existing or new professional development opportunities for professionals including teachers, faculty, and individuals involved in laboratory research (product development, materials specification and testing, life cycle analysis, and management);

(4) as relevant to an agency’s programs, examine methods by which the Federal agencies, in collaboration and consultation with the National Institute of Standards and Technology, may facilitate the development or recognition of validated, standardized tools for performing sustainability assessments of chemistry processes or products;

(5) through programs identified by an agency, support, including through technical assistance, participation, financial support, communications tools, awards, or other forms of support, outreach and dissemination of sustainable chemistry advances such as non-Federal symposia, forums, conferences, and publications in collaboration with, as appropriate, industry, academia, scientific and professional societies, and other relevant groups;

(6) provide for public input and outreach to be integrated into the activities described in this section by the convening of public discussions, through mechanisms such as public meetings, consensus conferences, and educational events, as appropriate;

(7) within each agency, develop or adapt metrics to track the outputs and outcomes of the programs supported by that agency; and

(8) incentivize or recognize actions that advance sustainable chemistry products, processes, or initiatives, including through the establishment of a nationally recognized awards program through the Environmental Protection Agency to identify, publicize, and celebrate innovations in sustainable chemistry and chemical technologies.

(c) Limitations

Financial support provided under this section shall—