

(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 fund-

ing 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.)

**Editorial Notes**

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—

(1) be available only for pre-competitive activities; and

(2) not be used to promote the sale of a specific product, process, or technology, or to disparage a specific product, process, or technology.

(Pub. L. 116-283, div. A, title II, §263, Jan. 1, 2021, 134 Stat. 3500.)

### § 9304. Partnerships in sustainable chemistry

#### (a) In general

The agencies participating in the Entity may facilitate and support, through financial, technical, or other assistance, the creation of partnerships between institutions of higher education, nongovernmental organizations, consortia, or companies across the value chain in the chemical industry, including small- and medium-sized enterprises, to—

(1) create collaborative sustainable chemistry research, development, demonstration, technology transfer, and commercialization programs; and

(2) train students and retrain professional scientists, engineers, and others involved in materials specification on the use of sustainable chemistry concepts and strategies by methods, including—

(A) developing or recognizing curricular materials and courses for undergraduate and graduate levels and for the professional development of scientists, engineers, and others involved in materials specification; and

(B) publicizing the availability of professional development courses in sustainable chemistry and recruiting professionals to pursue such courses.

#### (b) Private sector participation

To be eligible for support under this section, a partnership in sustainable chemistry shall include at least one private sector organization.

#### (c) Selection of partnerships

In selecting partnerships for support under this section, the agencies participating in the Entity shall also consider the extent to which the applicants are willing and able to demonstrate evidence of support for, and commitment to, the goals outlined in the strategic plan and report described in section 9302 of this title.

#### (d) Prohibited use of funds

Financial support provided under this section may not be used—

(1) to support or expand a regulatory chemical management program at an implementing agency under a State law;

(2) to construct or renovate a building or structure; or

(3) to promote the sale of a specific product, process, or technology, or to disparage a specific product, process, or technology.

(Pub. L. 116-283, div. A, title II, §264, Jan. 1, 2021, 134 Stat. 3501.)

### § 9305. Prioritization

In carrying out this chapter, the Entity shall focus its support for sustainable chemistry activities on those that achieve, to the highest extent practicable, the goals outlined in the chapter.

(Pub. L. 116-283, div. A, title II, §265, Jan. 1, 2021, 134 Stat. 3502.)

#### Editorial Notes

##### REFERENCES IN TEXT

This chapter, referred to in text, was in the original "this subtitle", meaning subtitle E (§§261-267) of title II