AMENDMENT TO RULES COMMITTEE PRINT 117-31

OFFERED BY MRS. DINGELL OF MICHIGAN

Page 1668, after line 13, insert the following:

TITLE XII—CLIMATE CHANGE EDUCATION

SEC. 71201. FINDINGS.

Congress makes the following findings:

(1) The evidence for human-induced climate change is overwhelming and undeniable.

(2) Atmospheric carbon can be significantly reduced through conservation, by shifting to renewable energy sources such as solar, wind, tidal, and geothermal, and by increasing the efficiency of buildings, including domiciles, and transportation.

(3) Providing clear information about climate change, in a variety of forms, can remove the fear and the sense of helplessness, and encourage individuals and communities to take action.

(4) Implementation of measures that promote energy efficiency, conservation, and renewable energy will greatly reduce human impact on the environment.
(5) Informing people of new technologies and programs as they become available will ensure maximum understanding and maximum effect of those measures.

(6) More than 3,000,000 students graduate from high schools and colleges in the United States each year, armed with attitudes, skills, and knowledge about the climate that inform their actions.

(7) The effect on the climate, positive or negative, of each of those 3,000,000 students lasts beyond a lifetime.

(8) Those students need to be prepared to implement changes in professional and personal practices, to support and help develop new technology and policy, and to address the coming social and economic challenges and opportunities arising from a changing climate.

(9) It has been demonstrated that the people of the United States overwhelmingly support teaching students about the causes, consequences, and potential solutions to climate change in all 50 States and more than 3,000 counties across the United States.

(10) Only 30 percent of middle school and 45 percent of high school science teachers understand
the extent of the scientific consensus on climate change.

**SEC. 71202. DEFINITIONS.**

In this title:

1. **ADMINISTRATOR.**—The term “Administrator” means the Administrator of the National Oceanic and Atmospheric Administration.

2. **CLIMATE CHANGE EDUCATION.**—The term “climate change education” means nonformal and formal interdisciplinary learning at all age levels about—

   (A) climate change, climate adaptation and mitigation, climate resilience, and climate justice; and

   (B) the effects of climate change, climate adaptation and mitigation, climate resilience, and climate justice on the environmental, energy, social, and economic systems of the United States.

3. **CLIMATE LITERACY.**—The term “climate literacy” means competence or knowledge of climate change, its causes and impacts, and the technical, scientific, economic, and social dynamics of promising solutions.
(4) Climate Justice.—The term “climate justice” means the fair treatment and meaningful involvement of all people, regardless of race, color, culture, national origin, or income, with respect to the development, implementation, and enforcement of policies and projects to ensure that each person enjoys the same degree of protection from the adverse effects of climate change.

(5) Environmental Justice.—The term “environmental justice” means the fair treatment and meaningful involvement of all people, regardless of race, color, culture, national origin, or income, with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies to ensure that each person enjoys—

(A) the same degree of protection from environmental and health hazards; and

(B) equal access to any Federal agency action on environmental justice issues in order to have a healthy environment in which to live, learn, work, and recreate.

(6) Environmental Justice Community.—The term “environmental justice community” means a community with significant representation of communities of color, low-income communities, or Tribal
and indigenous communities that experiences, or is at risk of experiencing, higher or more adverse human health or environmental effects as compared to other communities.

(7) **GREEN ECONOMY.**—The term “green economy” means an economy that results in improved human and economic well-being and social equity by significantly reducing environmental risks and ecological scarcities.

(8) **INSTITUTION OF HIGHER EDUCATION.**—The term “institution of higher education” has the meaning given the term in section 101 of the Higher Education Act of 1965 (20 U.S.C. 1001).

(9) **LOCAL EDUCATIONAL AGENCY; STATE EDUCATIONAL AGENCY.**—The terms “local educational agency” and “State educational agency” have the meanings given those terms in section 8101 of the Elementary and Secondary Education Act of 1965 (20 U.S.C. 7801).

(10) **NONFORMAL.**—The term “nonformal” means, with respect to learning, out-of-school educational programming carried out by nonprofit organizations and public agencies.

(11) **NONPROFIT ORGANIZATION.**—The term “nonprofit organization” means an organization de-
scribed in section 501(c)(3) of the Internal Revenue Code of 1986 and exempt from taxation under 501(a) of that Code.

SEC. 71203. CLIMATE CHANGE EDUCATION PROGRAM.

The Administrator shall establish a Climate Change Education Program to—

(1) increase the climate literacy of the United States by broadening the understanding of climate change, including possible long-term and short-term consequences, disproportionate impacts of those consequences, and potential solutions;

(2) apply the latest scientific and technological discoveries, including through the use of the scientific assets of the Administration, to provide formal and nonformal learning opportunities to individuals of all ages, including individuals of diverse cultural and linguistic backgrounds; and

(3) emphasize actionable information to help people understand and promote implementation of new technologies, programs, and incentives related to climate change, climate adaptation and mitigation, climate resilience, climate justice, and environmental justice.
SEC. 71204. GRANT PROGRAM.

(a) IN GENERAL.—As part of the Climate Change Education Program established under section 71203, the Administrator shall establish a program to make grants to the following:

(1) State educational agencies, in partnership with local educational agencies and local nonprofit organizations, for the implementation of aspects of State climate literacy plans for grades 4 through 12 formal and informal climate change education that—

(A) are aligned with State education standards;

(B) ensure that students graduate from high school with climate literacy; and

(C) include at least 1 of the following:

(i) Relevant teacher training and professional development.

(ii) Creation of applied learning project-based models, such as models making optimum use of green features improvements to school facilities, such as energy systems, lighting systems, water management, waste management, and school grounds improvements.
(iii) Incorporation of climate change mitigation and green technologies into new and existing career and technical education career tracks and work-based learning experiences, including development of partnerships with labor organizations, trade organizations, and apprenticeship programs.

(2) Institutions of higher education and networks or partnerships of such institutions to engage teams of faculty and students to develop applied climate research and deliver to local communities direct services related to local climate mitigation and adaptation issues, with priority given to projects that—

(A) foster long-term campus-community partnerships;

(B) show potential to scale work beyond the grant term;

(C) are inclusive for all segments of the population; and

(D) promote equitable and just outcomes.

(3) Professional associations and academic disciplinary societies for projects that build capacity at the State and national levels for continuing edu-
cation by practicing professionals and the general public in green economy fields.

(4) Youth corps organizations to engage in community-based climate mitigation and adaptation work that includes a substantive educational component.

(b) CONSULTATION.—The Administrator shall annually consult with other relevant agencies of the Federal Government to determine ways in which grant making under subsection (a) can enhance and support other national climate education and training and environmental justice goals.

(c) ENVIRONMENTAL JUSTICE COMMUNITIES.—The Administrator shall ensure that 40 percent of all funds appropriated for grants under paragraphs (2) and (4) of subsection (a) are directed into environmental justice communities.

(d) COMMUNITIES OF PRACTICE.—The Administrator shall establish communities of practice with respect to each of paragraphs (1) through (4) of subsection (a) in order to accelerate learning.

SEC. 71205. REPORT.

Not later than 2 years after the date of the enactment of this Act, and annually thereafter, the Administrator shall submit to Congress a report that evaluates the
scientific merits, educational effectiveness, and broader effects of activities carried out under this title.

SEC. 71206. AUTHORIZATION OF APPROPRIATIONS.

(a) IN GENERAL.—There is authorized to be appropriated to the National Oceanic and Atmospheric Administration to carry out this title $50,000,000 for each of fiscal years 2022 through 2027.

(b) ALLOCATION OF AMOUNTS FOR GRANT PROGRAM.—

(1) IN GENERAL.—Amounts appropriated to carry out the grant program required by section 71204(a) shall be allocated as follows:

(A) Not less than 40 percent and not more than 60 percent for grants made under paragraph (1) of such section.

(B) Not less than 20 percent and not more than 40 percent for grants made under paragraph (2) of such section.

(C) Not less than 5 percent and not more than 20 percent for grants made under paragraph (3) of such section.

(D) Not less than 5 percent and not more than 20 percent for grants made under paragraph (4) of such section.
(E) Such amount as the Administrator determines appropriate for the administration of this title.

(2) EXCEPTION.—If amounts appropriated to carry out the grant program required by section 71204(a) do not exceed $10,000,000 in any fiscal year, the National Oceanic and Atmospheric Administration may prioritize grants made under subparagraphs (A) and (B) of paragraph (1) of section 71204(a).