

**AMENDMENT TO RULES COMMITTEE PRINT 117-**

**31**

**OFFERED BY MRS. DINGELL OF MICHIGAN**

Page 1668, after line 13, insert the following:

1     **TITLE XII—CLIMATE CHANGE**  
2                     **EDUCATION**

3     **SEC. 71201. FINDINGS.**

4         Congress makes the following findings:

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

7             (2) Atmospheric carbon can be significantly re-  
8             duced through conservation, by shifting to renewable  
9             energy sources such as solar, wind, tidal, and geo-  
10            thermal, and by increasing the efficiency of build-  
11            ings, including domiciles, and transportation.

12            (3) Providing clear information about climate  
13            change, in a variety of forms, can remove the fear  
14            and the sense of helplessness, and encourage individ-  
15            uals and communities to take action.

16            (4) Implementation of measures that promote  
17            energy efficiency, conservation, and renewable en-  
18            ergy will greatly reduce human impact on the envi-  
19            ronment.

1           (5) Informing people of new technologies and  
2 programs as they become available will ensure maximum  
3 understanding and maximum effect of those  
4 measures.

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

9           (7) The effect on the climate, positive or negative,  
10 of each of those 3,000,000 students lasts beyond a lifetime.  
11

12           (8) Those students need to be prepared to implement  
13 changes in professional and personal practices, to support and help  
14 develop new technology and policy, and to address the coming social  
15 and economic challenges and opportunities arising from a  
16 changing climate.  
17

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

23           (10) Only 30 percent of middle school and 45  
24 percent of high school science teachers understand

1 the extent of the scientific consensus on climate  
2 change.

3 **SEC. 71202. DEFINITIONS.**

4 In this title:

5 (1) CLIMATE CHANGE EDUCATION.—The term  
6 “climate change education” means nonformal and  
7 formal interdisciplinary learning at all age levels  
8 about—

9 (A) climate change, climate adaptation and  
10 mitigation, climate resilience, and climate jus-  
11 tice; and

12 (B) the effects of climate change, climate  
13 adaptation and mitigation, climate resilience,  
14 and climate justice on the environmental, en-  
15 ergy, social, and economic systems of the  
16 United States.

17 (2) CLIMATE LITERACY.—The term “climate  
18 literacy” means competence or knowledge of climate  
19 change, its causes and impacts, and the technical,  
20 scientific, economic, and social dynamics of prom-  
21 ising solutions.

22 (3) CLIMATE JUSTICE.—The term “climate jus-  
23 tice” means the fair treatment and meaningful in-  
24 volvement of all people, regardless of race, color, cul-  
25 ture, national origin, or income, with respect to the

1 development, implementation, and enforcement of  
2 policies and projects to ensure that each person en-  
3 joys the same degree of protection from the adverse  
4 effects of climate change.

5 (4) ENVIRONMENTAL JUSTICE.—The term “en-  
6 vironmental justice” means the fair treatment and  
7 meaningful involvement of all people, regardless of  
8 race, color, culture, national origin, or income, with  
9 respect to the development, implementation, and en-  
10 forcement of environmental laws, regulations, and  
11 policies to ensure that each person enjoys—

12 (A) the same degree of protection from en-  
13 vironmental and health hazards; and

14 (B) equal access to any Federal agency ac-  
15 tion on environmental justice issues in order to  
16 have a healthy environment in which to live,  
17 learn, work, and recreate.

18 (5) ENVIRONMENTAL JUSTICE COMMUNITY.—  
19 The term “environmental justice community” means  
20 a community with significant representation of com-  
21 munities of color, low-income communities, or Tribal  
22 and indigenous communities that experiences, or is  
23 at risk of experiencing, higher or more adverse  
24 human health or environmental effects as compared  
25 to other communities.

1           (6) GREEN ECONOMY.—The term “green econ-  
2           omy” means an economy that results in improved  
3           human and economic well-being and social equity by  
4           significantly reducing environmental risks and eco-  
5           logical scarcities.

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

10          (8) LOCAL EDUCATIONAL AGENCY; STATE EDU-  
11          CATIONAL AGENCY.—The terms “local educational  
12          agency” and “State educational agency” have the  
13          meanings given those terms in section 8101 of the  
14          Elementary and Secondary Education Act of 1965  
15          (20 U.S.C. 7801).

16          (9) NONFORMAL.—The term “nonformal”  
17          means, with respect to learning, out-of-school edu-  
18          cational programming carried out by nonprofit orga-  
19          nizations and public agencies.

20          (10) NONPROFIT ORGANIZATION.—The term  
21          “nonprofit organization” means an organization de-  
22          scribed in section 501(c)(3) of the Internal Revenue  
23          Code of 1986 and exempt from taxation under  
24          501(a) of that Code.

1 **SEC. 71203. CLIMATE CHANGE EDUCATION PROGRAM.**

2 The Administrator of the National Oceanic and At-  
3 mospheric Administration shall establish a Climate  
4 Change Education Program to—

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

10 (2) apply the latest scientific and technological  
11 discoveries, including through the use of the sci-  
12 entific assets of the Administration, to provide for-  
13 mal and nonformal learning opportunities to individ-  
14 uals of all ages, including individuals of diverse cul-  
15 tural and linguistic backgrounds; and

16 (3) emphasize actionable information to help  
17 people understand and promote implementation of  
18 new technologies, programs, and incentives related  
19 to climate change, climate adaptation and mitiga-  
20 tion, climate resilience, climate justice, and environ-  
21 mental justice.

22 **SEC. 71204. GRANT PROGRAM.**

23 (a) IN GENERAL.—As part of the Climate Change  
24 Education Program established under section 71203, the  
25 Administrator of the National Oceanic and Atmospheric

1 Administration shall establish a program to make grants  
2 to the following:

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

9 (A) are aligned with State education  
10 standards;

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

13 (C) include at least 1 of the following:

14 (i) Relevant teacher training and pro-  
15 fessional development.

16 (ii) Integration of key climate change  
17 concepts into State education standards  
18 for science, technology, engineering, and  
19 mathematics (STEM), civics and social  
20 studies, and other relevant subject areas  
21 during the next revision of such standards.

22 (iii) Development of climate change  
23 education educational frameworks and  
24 model curricula and curation and dissemi-

1 nation of existing climate change cur-  
2 riculum materials.

3 (iv) Creation of applied learning  
4 project-based models, such as models mak-  
5 ing optimum use of green features im-  
6 provements to school facilities, such as en-  
7 ergy systems, lighting systems, water man-  
8 agement, waste management, and school  
9 grounds improvements.

10 (v) Incorporation of climate change  
11 mitigation and green technologies into new  
12 and existing career and technical education  
13 career tracks and work-based learning ex-  
14 periences, including development of part-  
15 nerships with labor organizations, trade or-  
16 ganizations, and apprenticeship programs.

17 (2) Institutions of higher education and net-  
18 works or partnerships of such institutions to engage  
19 teams of faculty and students to develop applied cli-  
20 mate research and deliver to local communities di-  
21 rect services related to local climate mitigation and  
22 adaptation issues, with priority given to projects  
23 that—

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



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

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

5 (D) promote equitable and just outcomes.

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

11 (4) Youth corps organizations to engage in  
12 community-based climate mitigation and adaptation  
13 work that includes a substantive educational compo-  
14 nent.

15 (b) CLIMATE CHANGE EDUCATION OFFICE.—

16 (1) IN GENERAL.—There shall be, within the  
17 Office of Education of the National Oceanic and At-  
18 mospheric Administration, an Office of Climate  
19 Change Education to administer the grant program  
20 required by subsection (a).

21 (2) CONSULTATION.—The Office of Climate  
22 Change Education shall annually consult with other  
23 relevant agencies of the Federal Government to de-  
24 termine ways in which grant making under sub-  
25 section (a) can enhance and support other national

1 climate education and training and environmental  
2 justice goals.

3 (3) ENVIRONMENTAL JUSTICE COMMUNITIES.—

4 The Office of Climate Change Education shall en-  
5 sure that 40 percent of all funds appropriated for  
6 grants under paragraphs (2) and (4) of subsection  
7 (a) are directed into environmental justice commu-  
8 nities.

9 (4) COMMUNITIES OF PRACTICE.—The Office of  
10 Climate Change Education shall establish commu-  
11 nities of practice with respect to each of paragraphs  
12 (1) through (4) of subsection (a) in order to accel-  
13 erate learning.

14 **SEC. 71205. REPORT.**

15 Not later than 2 years after the date of the enact-  
16 ment of this Act, and annually thereafter, the Adminis-  
17 trator of the National Oceanic and Atmospheric Adminis-  
18 tration shall submit to Congress a report that evaluates  
19 the scientific merits, educational effectiveness, and broad-  
20 er effects of activities carried out under this title.

21 **SEC. 71206. AUTHORIZATION OF APPROPRIATIONS.**

22 (a) IN GENERAL.—There is authorized to be appro-  
23 priated to the National Oceanic and Atmospheric Adminis-  
24 tration to carry out this title \$50,000,000 for each of fis-  
25 cal years 2022 through 2027.

1 (b) ALLOCATION OF AMOUNTS FOR GRANT PRO-  
2 GRAM.—

3 (1) IN GENERAL.—Amounts appropriated to  
4 carry out the grant program required by section  
5 71204(a) shall be allocated as follows:

6 (A) 50 percent for grants made under  
7 paragraph (1) of such section.

8 (B) 30 percent for grants made under  
9 paragraph (2) of such section.

10 (C) 10 percent for grants made under  
11 paragraph (3) of such section.

12 (D) 10 percent for grants made under  
13 paragraph (4) of such section.

14 (2) EXCEPTION.—If amounts appropriated to  
15 carry out the grant program required by section  
16 71204(a) do not exceed \$5,000,000 in any fiscal  
17 year, the National Oceanic and Atmospheric Admin-  
18 istration may use in that fiscal year—

19 (A) 60 percent of such amounts for grants  
20 made under paragraph (1) of such section; and

21 (B) 40 percent of such amounts for grants  
22 made under paragraph (2) of such section.

