

117TH CONGRESS
2D SESSION

H. R. 6562

To amend the Energy Policy Act of 2005 to require the Secretary of Energy to create a plan for research, development, and commercialization projects capable of making significant reductions in global greenhouse gas emissions or carbon intensity of qualified fuel production facilities, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

FEBRUARY 2, 2022

Mrs. FLETCHER introduced the following bill; which was referred to the Committee on Science, Space, and Technology, and in addition to the Committee on Energy and Commerce, for a period to be subsequently determined by the Speaker, in each case for consideration of such provisions as fall within the jurisdiction of the committee concerned

A BILL

To amend the Energy Policy Act of 2005 to require the Secretary of Energy to create a plan for research, development, and commercialization projects capable of making significant reductions in global greenhouse gas emissions or carbon intensity of qualified fuel production facilities, and for other purposes.

1 *Be it enacted by the Senate and House of Representa-*
2 *tives of the United States of America in Congress assembled,*

1 **SECTION 1. SHORT TITLE.**

2 This Act may be cited as the “Carbon Limiting Emis-
3 sions At Refineries Act” or the “CLEAR Act”.

4 **SEC. 2. CARBON EMISSIONS AND INTENSITY REDUCTION**
5 **TECHNOLOGIES FOR QUALIFIED FUEL PRO-**
6 **DUCTION FACILITIES.**

7 (a) CARBON REDUCTION PROGRAM.—Section 962 of
8 the Energy Policy Act of 2005 (42 U.S.C. 16292) is
9 amended to read as follows:

10 **“SEC. 962. CARBON EMISSIONS AND INTENSITY REDUCTION**
11 **FOR QUALIFIED FUEL PRODUCTION FACILI-**
12 **TIES.**

13 “(a) IN GENERAL.—Not later than 180 days after
14 the date of enactment of this section, the Secretary of En-
15 ergy shall transmit to the Congress a plan outlining oppor-
16 tunities for research, development and commercialization
17 projects capable of making significant reductions in global
18 greenhouse gas emissions and/or carbon intensity of quali-
19 fied fuel production facilities, including a road map for
20 advancing the readiness level of such technologies from
21 laboratory scale to industrial use for the 5-year period be-
22 ginning on the date of the submission of the plan.

23 “(b) PROGRAM.—Not later than 180 days after the
24 Secretary submits the plan under subsection (a) to Con-
25 gress, the Secretary shall establish a program of research,
26 development, demonstration, and commercial application

1 of carbon emissions and intensity reduction technologies
2 based on such plan to facilitate the development of—

3 “(1) promising research projects including but
4 not limited to energy usage reductions, use of ad-
5 vanced catalysts, electrification of heat and steam
6 generation, hydrogen firing, low grade waste heat re-
7 covery, membrane separations, and other process im-
8 provements that, with appropriate support, could
9 produce commercially-feasible technologies capable of
10 meaningfully lowering the global greenhouse gas
11 emissions or carbon intensity of qualified fuel pro-
12 duction facilities; or

13 “(2) carbon capture and sequestration tech-
14 nologies for qualified fuel production facilities.

15 “(c) DEMONSTRATION PROJECTS.—

16 “(1) IN GENERAL.—In carrying out the pro-
17 gram under subsection (b), the Secretary may award
18 funds for commercial-scale demonstration projects
19 for qualified fuel production facilities that test the
20 scale of technology necessary for commercial oper-
21 ation, in accordance with this subsection.

22 “(2) ENGINEERING AND DESIGN STUDIES.—In
23 carrying out the program under subsection (b), the
24 Secretary may award funds for front-end engineer-
25 ing and design studies in addition to, or in advance

1 of, issuing an award for a demonstration project
2 under this subsection.

3 “(3) APPLICATION.—An entity seeking an
4 award to conduct a demonstration project under this
5 subsection shall submit to the Secretary an applica-
6 tion at such time and in such manner as the Sec-
7 retary may require.

8 “(4) LIMITATIONS.—The Secretary shall only
9 provide an award under this subsection after review-
10 ing each applicant and application for—

11 “(A) financial strength;

12 “(B) construction schedule;

13 “(C) market risk; and

14 “(D) contractor history.

15 “(5) REQUIREMENTS.—An awardee under this
16 subsection shall—

17 “(A) utilize technologies that have com-
18 pleted pilot-scale testing or the equivalent, as
19 determined by the Secretary;

20 “(B) secure and maintain agreements for
21 technologies designed to reduce carbon intensity
22 of or otherwise lower net greenhouse gas emis-
23 sions at, qualified fuel production facilities or
24 for the utilization or sequestration of captured
25 carbon dioxide; and

1 “(C) upon completion, demonstrate green-
2 house gas emissions and/or intensity reduction
3 or carbon capture technologies utilized by a
4 qualified fuel production facility.

5 “(6) COST SHARING.—The Secretary shall re-
6 quire cost sharing under this subsection in accord-
7 ance with section 988.

8 “(d) APPLICABILITY.—No technology, or level of
9 emission reduction, shall be treated as adequately dem-
10 onstrated for purpose of section 111 of the Clean Air Act
11 (42 U.S.C. 7411), achievable for purposes of section 169
12 of that Act (42 U.S.C. 7479), or achievable in practice
13 for purposes of section 171 of that Act (42 U.S.C. 7501)
14 solely by reason of the identification of such technology
15 in reports or programs established under this section.

16 “(e) QUALIFIED FUEL PRODUCTION FACILITIES DE-
17 FINED.—The term ‘qualified fuel production facilities’
18 means petroleum refineries or facilities that manufacture
19 commercial amounts of drop-in fuel as defined in section
20 2922h(c)(1) of title 10, United States Code.

21 “(f) AUTHORIZATION OF APPROPRIATIONS.—For ac-
22 tivities under this section, there are authorized to be ap-
23 propriated to the Secretary \$200,000,000 annually to
24 carry out its purpose.”.

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