

117TH CONGRESS
1ST SESSION

H. R. 5090

To amend section 932 of the Energy Policy Act of 2005 to create a biofuel and fuel cell vehicle research, development, and demonstration program, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

AUGUST 24, 2021

Mr. FEENSTRA introduced the following bill; which was referred to the Committee on Science, Space, and Technology

A BILL

To amend section 932 of the Energy Policy Act of 2005 to create a biofuel and fuel cell vehicle research, development, and demonstration program, 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,*

3 **SECTION 1. SHORT TITLE.**

4 This Act may be cited as the “Biofuel Cell Research
5 Act”.

1 **SEC. 2. BIOFUEL AND FUEL CELL VEHICLE RESEARCH, DE-**
2 **VELOPMENT, AND DEMONSTRATION PRO-**
3 **GRAM.**

4 Section 932 of the Energy Policy Act of 2005 (42
5 U.S.C. 16232) is amended by adding at the end the fol-
6 lowing:

7 “(i) BIOFUEL AND FUEL CELL VEHICLE RESEARCH,
8 DEVELOPMENT, AND DEMONSTRATION PROGRAM.—

9 “(1) IN GENERAL.—The Secretary shall estab-
10 lish a research, development, and demonstration pro-
11 gram for a commercially viable fuel cell system that
12 uses biofuel as a fuel source for a vehicle.

13 “(2) RESEARCH GOALS.—The Secretary shall
14 establish interim research and development goals
15 that will result in the demonstration of commercially
16 viable fuel cell systems that utilize biofuels as a fuel
17 source, including the following:

18 “(A) Innovative stack designs and compo-
19 nents, including—

20 “(i) catalysts;

21 “(ii) membranes and electrolytes;

22 “(iii) interconnects;

23 “(iv) seals; and

24 “(v) metal- or electrolyte-supported
25 stack cell designs.

1 “(B) Variety of renewable energy sources,
2 including ethanol and other biomass.

3 “(C) Technologies that enable fuel cell du-
4 rability and fuel cell durability testing.

5 “(D) Systems designs and component inte-
6 gration that optimize efficiency, cost, transient
7 response, and lifetime.

8 “(3) COORDINATION.—In carrying out the ac-
9 tivities under this section, the Secretary shall coordi-
10 nate with—

11 “(A) appropriate Federal agencies, includ-
12 ing the Department of Agriculture and the De-
13 partment of Transportation;

14 “(B) National Laboratories; and

15 “(C) relevant industry stakeholders, non-
16 government organizations, and trade associa-
17 tions.”.

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