

AMENDMENT TO H.R. 5666
OFFERED BY MR. BEYER OF VIRGINIA

Strike section 501 and insert the following:

1 **SEC. 501. RESEARCH EFFORT TO ADVANCE SUSTAINABLE**
2 **AVIATION.**

3 (a) SENSE OF CONGRESS.—It is the sense of Con-
4 gress that the Administrator is working to develop and
5 demonstrate new technologies, including systems architec-
6 ture, components, or integration of systems and airframe
7 structures, in aircraft concepts that are capable of reduc-
8 ing both greenhouse gas emissions and noise emissions.

9 (b) IN GENERAL.—The Administrator, in consulta-
10 tion with other relevant Federal agencies, industry, and
11 academia, shall conduct research and development efforts
12 that contribute to reducing the environmental impact of
13 aviation, providing for a sustainable future for aviation,
14 and improving the efficiency and performance of United
15 States commercial aircraft

16 (c) GOALS.—The goals of the research effort in sub-
17 section (b) shall be to reach—

18 (1) two percent annual fuel efficiency improve-
19 ment through 2050; and

20 (2) carbon neutral growth.

1 (d) TECHNOLOGY FOCUS AREAS.—The research ef-
2 fort shall include research, development, and demonstra-
3 tion projects on the following technology focus areas:

4 (1) Subsonic aircraft and engine design and
5 technology.

6 (2) Sustainable aviation fuels.

7 (3) Electric and hybrid-electric propulsion.

8 (4) Other efforts, including noise emissions,
9 that contribute to a sustainable future for aviation.

10 (e) APPROACH.—In carrying out this research effort
11 the Administrator shall:

12 (1) continue and expand work of the Adminis-
13 tration on research, development and demonstration
14 of aircraft concepts, including systems architecture,
15 components, integration of systems and airframe
16 structures, and the integration of related advanced
17 technologies and concepts, with the goal of carrying
18 out test flights by 2025;

19 (2) to the extent practicable, work with multiple
20 partner organizations, including current commercial
21 production aircraft providers and small businesses
22 and new entrants, on research and development ac-
23 tivities related to both regional transport aircraft
24 and aircraft designed to accommodate more than
25 125 passengers in order to achieve an industry-wide

1 shift towards aircraft concepts for the reduction of
2 greenhouse gas emissions and noise emissions; and

3 (3) provide guidance to the Federal Aviation
4 Administration (FAA) on technologies developed and
5 tested pursuant to the initiative in order to assist
6 the work of the Federal Aviation Administration.

7 (f) ANNUAL REPORT.—Not later than June 1 of
8 every year, the Administrator shall submit a report identi-
9 fying the activities carried out under the research effort
10 under subsection (d) and the progress toward the goals
11 listed in subsection (c).

