

115TH CONGRESS
1ST SESSION

H. R. 4087

To direct the Administrator of the Federal Aviation Administration to conduct a study relating to ultrafine particles, and for other purposes.

IN THE HOUSE OF REPRESENTATIVES

OCTOBER 19, 2017

Mr. SMITH of Washington (for himself, Ms. SPEIER, Mr. RASKIN, Ms. JAYAPAL, Ms. SCHAKOWSKY, Ms. ESHOO, and Mr. QUIGLEY) introduced the following bill; which was referred to the Committee on Transportation and Infrastructure

A BILL

To direct the Administrator of the Federal Aviation Administration to conduct a study relating to ultrafine particles, 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 “Protecting Airport
5 Communities from Particle Emissions Act”.

6 **SEC. 2. STUDY ON ULTRAFINE PARTICLES.**

7 (a) IN GENERAL.—The Administrator of the Federal
8 Aviation Administration shall conduct a study that—

1 (1) includes a review of the results of previous
2 studies on ultrafine particles in the air, including the
3 health impacts of such particles;

4 (2) for each of the 20 largest airports in the
5 United States (as measured by calendar year 2016
6 revenue enplanements), analyzes and evaluates with
7 respect to the communities surrounding, near, and
8 impacted by airport-generated air traffic—

9 (A) the ultrafine particles present in the
10 air;

11 (B) the characteristics of such particles;

12 (C) the spatial distribution patterns and
13 concentration of such particles;

14 (D) the primary sources of such particles;

15 (E) the contributions made by aircraft to
16 such particles relative to other primary sources;

17 (F) the health impacts of such particles,
18 including with respect to heart and lung dis-
19 eases, asthma rates, nervous system disorders,
20 and any other impacts observed in or suggested
21 by previous studies reviewed under paragraph
22 (1); and

23 (G) disproportionate rates of exposure,
24 risks, and other negative impacts on commu-
25 nities of color, economically insecure residents,

1 vulnerable groups, and disparately impacted
2 communities; and

3 (3) analyzes the potential impacts of mitigation
4 options, emissions reductions, and the increased use
5 of aviation biofuels with, or in place of, commonly
6 used petroleum-based aviation fuels on—

7 (A) ultrafine particles in the air sur-
8 rounding airports; and

9 (B) human health.

10 (b) COORDINATION.—The Administrator shall carry
11 out the study in coordination with the Environmental Pro-
12 tection Agency and the Department of Health and Human
13 Services and may carry out the study in coordination with
14 any other Federal department or agency that the Adminis-
15 trator determines is appropriate.

16 (c) REPORT.—Not later than 2 years after the date
17 of enactment of this section, the Administrator shall sub-
18 mit to Congress a report on the results of the study that
19 includes related findings, analysis, and a detailed descrip-
20 tion of the methods and data utilized.

21 (d) ULTRAFINE PARTICLE DEFINED.—In this sec-
22 tion, the term “ultrafine particle” means a particle under
23 100 nanometers in diameter.

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