

**AMENDMENT TO RULES COMMITTEE PRINT**

**115-25**

**OFFERED BY MR. SMITH OF WASHINGTON**

Page 386, after line 19, insert the following:

1 **SEC. \_\_\_\_ . STUDY ON ULTRAFINE PARTICLES.**

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

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

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

12 (A) the ultrafine particles present in the  
13 air;

14 (B) the characteristics of such particles;

15 (C) the spatial distribution patterns and  
16 concentration of such particles;

17 (D) the primary sources of such particles;

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

1 (F) the health impacts of such particles,  
2 including with respect to heart and lung dis-  
3 eases, asthma rates, nervous system disorders,  
4 and any other impacts observed in or suggested  
5 by previous studies reviewed under paragraph  
6 (1); and

7 (G) disproportionate rates of exposure,  
8 risks, and other negative impacts on commu-  
9 nities of color, economically insecure residents,  
10 vulnerable groups, and disparately impacted  
11 communities; and

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

16 (A) ultrafine particles in the air sur-  
17 rounding airports; and

18 (B) human health.

19 (b) COORDINATION.—The Administrator shall carry  
20 out the study in coordination with the Environmental Pro-  
21 tection Agency and the Department of Health and Human  
22 Services and may carry out the study in coordination with  
23 any other Federal department or agency that the Adminis-  
24 trator determines is appropriate.

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

6           (d) ULTRAFINE PARTICLE DEFINED.—In this sec-  
7 tion, the term “ultrafine particle” means a particle under  
8 100 nanometers in diameter.

