AMENDMENT TO RULES COMMITTEE PRINT

115–25

OFFERED BY MR. SMITH OF WASHINGTON

Page 386, after line 19, insert the following:

SEC. ___. STUDY ON ULTRAFINE PARTICLES.

(a) In General.—The Administrator of the Federal Aviation Administration shall conduct a study that—

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

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

(A) the ultrafine particles present in the air;

(B) the characteristics of such particles;

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

(D) the primary sources of such particles;

(E) the contributions made by aircraft to such particles relative to other primary sources;
(F) the health impacts of such particles, including with respect to heart and lung diseases, asthma rates, nervous system disorders, and any other impacts observed in or suggested by previous studies reviewed under paragraph (1); and

(G) disproportionate rates of exposure, risks, and other negative impacts on communities of color, economically insecure residents, vulnerable groups, and disparately impacted communities; and

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

(A) ultrafine particles in the air surrounding airports; and

(B) human health.

(b) COORDINATION.—The Administrator shall carry out the study in coordination with the Environmental Protection Agency and the Department of Health and Human Services and may carry out the study in coordination with any other Federal department or agency that the Administrator determines is appropriate.
(c) REPORT.—Not later than 2 years after the date of enactment of this section, the Administrator shall submit to Congress a report on the results of the study that includes related findings, analysis, and a detailed description of the methods and data utilized.

(d) ULTRAFINE PARTICLE DEFINED.—In this section, the term “ultrafine particle” means a particle under 100 nanometers in diameter.