

AMENDMENT
TO RULES COMMITTEE PRINT 116-54
OFFERED BY MR. SMITH OF WASHINGTON

Page 499, after line 22, insert the following:

1 **SEC. 1632. AIRBORNE ULTRAFINE PARTICLE STUDY.**

2 (a) IN GENERAL.—Not later than 180 days after the
3 date of enactment of this Act, the Administrator of the
4 Federal Aviation Administration, jointly with the Adminis-
5 trator of the Environmental Protection Agency, shall enter
6 into an agreement with an eligible institution of higher
7 education to conduct a study examining airborne ultrafine
8 particles and their effect on human health.

9 (b) SCOPE OF STUDY.—The study conducted under
10 subsection (a) shall—

11 (1) summarize the relevant literature and stud-
12 ies done on airborne ultrafine particles worldwide;

13 (2) focus on large hub commercial airports in—

14 (A) Seattle;

15 (B) Boston;

16 (C) Chicago;

17 (D) New York;

18 (E) the Northern California Metroplex;

19 (F) Phoenix;

1 (G) the Southern California Metroplex;

2 (H) the District of Columbia; and

3 (I) Atlanta;

4 (3) examine airborne ultrafine particles and
5 their effect on human health, including—

6 (A) characteristics of UFPs present in the
7 air;

8 (B) spatial and temporal distributions of
9 UFP concentrations;

10 (C) primary sources of UFPs;

11 (D) the contribution of aircraft and airport
12 operations to the distribution of UFP con-
13 centrations when compared to other sources;

14 (E) potential health effects associated with
15 elevated UFP exposures, including outcomes re-
16 lated to cardiovascular disease, respiratory in-
17 fection and disease, degradation of
18 neurocognitive functions, and other health ef-
19 fects, that have been considered in previous
20 studies; and

21 (F) potential UFP exposures, especially to
22 susceptible and vulnerable groups;

23 (4) identify measures, including the use of sus-
24 tainable aviation fuels, intended to reduce emissions

1 from aircraft and airport operations and assess po-
2 tential effects on emissions related to UFPs; and

3 (5) identifies information gaps related to under-
4 standing relationships between UFP exposures and
5 health effects, contributions of aviation-related emis-
6 sions to UFP exposures, and the effectiveness of
7 mitigation measures.

8 (c) ELIGIBILITY.—An institution of higher education
9 is eligible to conduct the study if the institution—

10 (1) is located in one of the areas identified in
11 subsection (b);

12 (2) applies to the Administrator of the Federal
13 Aviation Administration in a timely fashion;

14 (3) demonstrates to the satisfaction of the Ad-
15 ministrator that the institution is qualified to con-
16 duct the study;

17 (4) agrees to submit to the Administrator, not
18 later than 2 years after entering into an agreement
19 under subsection (a), the results of the study, in-
20 cluding any source materials used; and

21 (5) meets such other requirements as the Ad-
22 ministrator determines necessary.

23 (d) COORDINATION.—The Administrator may coordi-
24 nate with the Administrator of the Environmental Protec-
25 tion Agency, the Secretary of Health and Human Services,

1 and any other agency head whom the Administrator deems
2 appropriate to provide data and other assistance necessary
3 for the study.

4 (e) REPORT.—Not later than 180 days after submis-
5 sion of the results of the study by the institution of higher
6 education, the Administrator shall submit to the Com-
7 mittee on Transportation and Infrastructure and the
8 Committee on Energy and Commerce of the House of
9 Representatives and the Committee on Commerce,
10 Science, and Transportation of the Senate a report on the
11 study including the results of the study submitted under
12 subsection (c)(4) by the institution of higher education.

13 (f) DEFINITION.—In this Act, the terms “ultrafine
14 particle” and “UFP” mean particles with diameters less
15 than or equal to 100 nanometers.

