

STATE OF NEW YORK

202

2023-2024 Regular Sessions

IN ASSEMBLY

(Prefiled)

January 4, 2023

Introduced by M. of A. MAGNARELLI, COOK, WOERNER, PEOPLES-STOKES, JEAN-PIERRE, HYNDMAN, TAYLOR -- Multi-Sponsored by -- M. of A. LUPARDO, THIELE -- read once and referred to the Committee on Transportation

AN ACT authorizing the commissioner of transportation to conduct a study relating to airborne ultrafine particles

The People of the State of New York, represented in Senate and Assembly, do enact as follows:

1 Section 1. Short title. This act shall be known and may be cited as
2 the "Protect New York Airport Communities from Particle Emissions Act".

3 § 2. 1. Definitions. a. For the purpose of this section, "ultrafine
4 particles" "UFP" and "UFP's" shall mean particles with diameters less
5 than or equal to 100 nanometers.

6 2. Airborne ultrafine particle study. The commissioner of transporta-
7 tion shall conduct a study relating to airborne ultrafine particles
8 ("UFP's"). The scope of such study shall include:

9 (a) summarizing the relevant literature and studies done on airborne
10 UFP's worldwide;

11 (b) analyzing the impacts of certain large hub commercial airports on
12 airborne UFP's, including, but not limited to:

13 (i) John F. Kennedy International Airport;

14 (ii) LaGuardia Airport;

15 (iii) Buffalo Niagara International Airport;

16 (iv) Syracuse Hancock International Airport;

17 (v) Greater Rochester International Airport;

18 (vi) Albany International Airport; and

19 (vii) any other metropolitan large hub airport identified by the
20 commissioner of transportation.

21 (c) investigating the characteristics of airborne UFP's, including but
22 not limited to:

23 (i) the spatial and temporal distributions of UFP concentrations;

EXPLANATION--Matter in italics (underscored) is new; matter in brackets
[-] is old law to be omitted.

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1 (ii) the primary sources of UFP's;

2 (iii) the extent to which aircraft and airport operations are contrib-
3 uting to the distribution of UFP concentrations when compared to other
4 sources;

5 (iv) the potential health effects associated with elevated UFP expo-
6 sure, including heart and lung diseases, asthma, nervous system disor-
7 ders and other health effects that have been considered in previous
8 studies; and

9 (v) the potential UFP exposure by susceptible and vulnerable groups.

10 (d) identifying measures, including the use of sustainable aviation
11 fuels, intended to reduce emissions from aircraft and airport operations
12 and to assess potential impacts on UFP-related emissions; and

13 (e) identifying information gaps related to understanding the
14 relationships between UFP exposure and health effects, contributions of
15 aviation-related emissions to UFP exposure and the effectiveness of
16 mitigation measures.

17 3. Coordination. The commissioner of transportation shall coordinate
18 with the commissioner of environmental conservation, the commissioner of
19 health and any other agency the commissioner of transportation deems
20 appropriate to provide data and other assistance necessary for such
21 study.

22 4. Report. The commissioner shall submit a report including recommen-
23 dations and findings based on this study to the governor, the temporary
24 president of the senate and the speaker of the assembly no later than
25 two years after the effective date of this act.

26 § 3. This act shall take effect immediately.