

# STATE OF NEW YORK

224

2025-2026 Regular Sessions

## IN ASSEMBLY

(Prefiled)

January 8, 2025

Introduced by M. of A. MAGNARELLI, COOK, WOERNER, PEOPLES-STOKES, HYNDMAN, TAYLOR -- Multi-Sponsored by -- M. of A. LUPARDO -- 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.

LBD00829-01-5

- 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.