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STATE OF RHODE ISLAND

IN GENERAL ASSEMBLY

JANUARY SESSION, A.D. 2025

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A N A C T

RELATING TO HEALTH AND SAFETY -- THE RHODE ISLAND CLEAN AIR
PRESERVATION ACT

Introduced By: Senators E Morgan, and Raptakis

Date Introduced: February 26, 2025

Referred To: Senate Environment & Agriculture

It is enacted by the General Assembly as follows:

1 SECTION 1. Legislative intent.

2 The general assembly finds and intends the following:

3 (1) Attempts to alter atmospheric conditions through cloud seeding, weather modification,
4 solar radiation modification (SRM), sunlight reflection methods (SRM), solar radiation
5 management (SRM), geoengineering, and other atmospheric experiments and/or interventions
6 involve the release of pollutants, including Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS),
7 known also as "forever chemicals," into the atmosphere;

8 (2) Environmental accumulation of combustible agents contained in cloud seeding aerosols
9 and other pollutants released in atmospheric experiments and/or interventions threatens public
10 health and safety, with the potential to cause harm and desiccation of all biological life, contributing
11 to drought and the hazard of catastrophic forest fires; and

12 (3) It is therefore in the public interest to prohibit solar radiation modification (SRM),
13 sunlight reflection methods (SRM), solar radiation management (SRM), cloud seeding, and any
14 other polluting atmospheric experiments and/or interventions.

15 SECTION 2. Title 23 of the General Laws entitled "HEALTH AND SAFETY" is hereby
16 amended by adding thereto the following chapter:

17 [CHAPTER 23.8](#)

18 [THE RHODE ISLAND CLEAN AIR PRESERVATION ACT](#)

1 **23-23.8-1. Short title.**

2 This chapter shall be known and may be cited as "The Rhode Island Clean Air Preservation
3 Act".

4 **23-23.8-2. Definitions.**

5 As used in this chapter:

6 (1) "Air National Guard" means the Rhode Island air national guard (RI ANG) is the aerial
7 militia of the State of Rhode Island. It is not in the normal United States Air Force chain of
8 command. In the event that RI ANG is federalized, the governor shall form a state guard to defend
9 Rhode Island airspace.

10 (2) "Artificial intelligence (AI)" means a field of science and technology encompassing
11 systems and tools that can perform tasks typically requiring human intelligence, such as learning,
12 reasoning, pattern recognition, and decision-making, often through computational techniques like
13 machine learning and neural networks. AI operates within defined parameters to analyze, predict,
14 and execute actions based on complex datasets, with applications ranging from healthcare and
15 genomics to military systems and public policy.

16 (3) "Atmospheric activity" means any deliberate polluting experiment or intervention
17 conducted by any iteration of human, machine learning, or artificial intelligence (AI) or any
18 combination thereof, that occurs in the atmosphere and may have harmful consequences upon
19 health, the environment, wildlife, and/or agriculture.

20 (4) "Atmospheric contaminant" means any type of aerosol, biologic and/or trans-biologic
21 agent, chaff, genetically modified agent, graphene-oxide, metal, radioactive material, vapor,
22 particulate down to or less than one nanometer in diameter, smart dust, and any air pollutant
23 regulated by the state, any xenobiotic (foreign-to-life) electromagnetic radiation and fields,
24 mechanical vibration and other physical agents, or any combination of these contaminants.

25 (5) "Chaff" means aluminum-coated silica glass fibers typically dispersed in bundles
26 containing five million (5,000,000) to one hundred million (100,000,000) inhalable fibers, which
27 fall to the ground in about one day, or for nanochaff, years, and then fall and break apart;
28 Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS), known also as "forever chemicals," are an
29 ingredient in chaff.

30 (6) "Cloud seeding" means a type of weather engineering or experimentation that may
31 change the amount or type of precipitation by dispersing chemicals or chemical compounds such
32 as dry ice (CO₂), silver iodide (AGI), or Tri-methyl aluminum (TMA) into the atmosphere by means
33 of aircraft or ground generators.

34 (7) "Desiccate" means to dry up or cause to dry up.

1 (8) "Entity" means any of the following: an individual; trust; firm; joint stock company;
2 corporation, including a quasi-governmental corporation; non-governmental organization (NGO),
3 partnership; public private partnership; association; syndicate; municipality or state or municipal
4 agency; program; fire district; club; nonprofit agency; commission; university; college or academic
5 institution; department or agency of the state; the federal government; or any interstate or
6 international governance or instrumentality thereof; including foreign, domestic and mercenary
7 armed services or region within the United States; artificial intelligence (AI).

8 (9) "Geoengineering" means the intentional large-scale alteration or manipulation of the
9 environment, typically involving the release of aerosols, chemicals, chemical compounds,
10 electromagnetic radiation and/ or other physical agents that increase air pollution and effect changes
11 to earth's atmosphere or surface, inclusive of solar radiation modification (SRM), solar radiation
12 management (SRM), sunlight reflection methods (SRM), stratospheric aerosol injection (SAI),
13 cirrus cloud thinning (CCT), marine cloud brightening (MCB), or cloud seeding.

14 (10) "Hazard" means a substance or physical agent by its nature harmful to living
15 organisms, generally, and/or to property or another interest of value.

16 (11) "Individual" means any man, woman, or child.

17 (12) "Intervention" means the act of interfering with weather processes, altering
18 atmospheric or environmental conditions, or releasing pollutants by methods including, but not
19 limited to, solar radiation modification (SRM), sunlight reflection methods (SRM), solar radiation
20 management (SRM), stratospheric aerosol injection (SAI), marine cloud brightening (MCB), cirrus
21 cloud thinning (CCT), weather modification, cloud seeding, or outdoor pollution dispersion
22 modeling.

23 (13) "Irradiating infrastructure" means a facility, antenna, instrument, equipment, or
24 satellite used for the transmission and/or reception of pulse-modulated radiofrequency/microwave
25 radiation for communications and other purposes.

26 (14) "Laser" means light amplification by stimulated emission for radiation devices. Lasers
27 typically have unique frequencies in the infrared, visible, or ultraviolet parts of the electromagnetic
28 spectrum.

29 (15) "Machine learning" means the process relative to AI, in which a machine can learn on
30 its own without being explicitly programmed.

31 (16) "Physical agent" means an agent other than a substance including, without limitation,
32 radiofrequency/microwave (RF/MW) radiation pollution and other electromagnetic radiation
33 pollution and fields, maser, barometric pressure, temperature, gravity, kinetic weaponry,
34 mechanical vibration and sound.

1 (17) "Pollution" means the discharge, dispersal, deposition, injection, release, seepage,
2 migration or escape of pollutants.

3 (18) "Pollutants" means any solid, liquid, gaseous, or thermal irritant, contaminant, or
4 substance, including smoke, vapor, soot, fumes, aerosol plumes, acid, alkalis, chemicals including,
5 but not limited to, barium, strontium, tri-methyl aluminum, sulfur dioxide, magnesium, chemical
6 compounds, coal-fly ash, chaff, artificially produced electric fields, magnetic field, electromagnetic
7 field, electromagnetic pulse (EMP), sound waves, sound pollution, light pollution, microwaves,
8 and all artificially produced ionizing or non-ionizing radiation, and/or waste. Waste includes
9 materials to be recycled, reconditioned or reclaimed.

10 (19) "Release" means any activity that results in the issuance or deposition of pollutants
11 such as the emitting, transmitting, dispersion, discharging or injecting of one or more nuclear,
12 biological, trans-biological, chemical, and/or physical agents into the ambient atmosphere, whether
13 once, intermittently, or continuously.

14 (20) "Satellite" means a facility launched into earth's orbit to perform functions including,
15 but not limited to, transmission of electromagnetic radiation pollution via communications, global
16 positioning, intelligence gathering, weather forecasting, weather experimentation, weather
17 modification and weaponry. Currently satellites are operating in low earth orbit (LEO), medium
18 earth orbit (MEO), and high earth orbit (HEO).

19 (21) "Satellite weather modification system (SWMS)" means weather modification by
20 satellites involves a space-based, man-made network of satellites communicating in real-time with
21 other satellites and ground-based infrastructure via transmission of electromagnetic radiation
22 pollution such as lasers.

23 (22) "Solar radiation modification (SRM)", "sunlight reflection methods (SRM)", or "solar
24 radiation management (SRM)" means an experiment in the earth's climatic system involving the
25 release of pollutants that reduces the amount of sunlight reaching the earth's surface. SRM involves
26 the use of inter-operable ground-based, airborne, and space-based facilities.

27 (23) "State police" means the Rhode Island state police (RISP), an agency of the State of
28 Rhode Island responsible for statewide law enforcement and regulation, especially in areas
29 underserved by local police agencies and on the state's limited-access highways.

30 (24) "Weather engineering" means the deliberate manipulation or alteration of the
31 environment for the purpose of changing the weather or climate by artificial means, through
32 interventions involving the release of pollutants into the atmosphere via cloud seeding for small-
33 scale, large-scale, and global-scale alteration of the environment.

34 (25) "Weather modification" means any activity performed with the intention of producing

1 [artificial changes in the composition, behavior, or dynamics of the atmosphere.](#)

2 **23-23.8-3. Regulation by the state.**

3 [\(a\) Government and armed forces projects shall meet all the requirements of this chapter.](#)
4 [If an activity deemed a hazard by this chapter has been approved, explicitly or implicitly, by the](#)
5 [federal government, the Rhode Island state police \(RISP\) shall issue a notice to the appropriate](#)
6 [federal agency that the activity cannot lawfully be carried out within or over the state.](#)

7 [\(b\) RISP is authorized to and shall implement this chapter, determining when violations](#)
8 [have occurred and if deemed necessary shall refer potentially violative activity to the Rhode Island](#)
9 [air national guard.](#)

10 **23-23.8-4. Violative activity - Prohibition on solar radiation modification (SRM),**
11 **sunlight reflection methods (SRM), solar radiation management (SRM), cloud seeding,**
12 **weather modification, or other polluting atmospheric experiments and/or interventions.**

13 [\(a\) No person or entity shall engage in SRM or other polluting atmospheric](#)
14 [experimentation and/or interventions in this state, including through the use of an aircraft, balloon,](#)
15 [space-based platform, ground generators, or interoperable ground-based facility.](#)

16 [\(b\) The state police shall immediately issue and publicly report a cease-and-desist order,](#)
17 [when an unlawful polluting atmospheric activity is suspected. The cease-and-desist order under](#)
18 [this section shall have the weight of a court order and any violation shall be punished in accordance](#)
19 [with § 23-23.8-6.](#)

20 **23-23.8-5. Departmental notice to cease federal or foreign-approved programs.**

21 [\(a\) Where an activity deemed hazardous by this chapter has been approved, explicitly or](#)
22 [implicitly, by the federal government or a government agency, the state police shall issue a notice](#)
23 [to the appropriate federal authority, agency, entity, or academic institution that the polluting](#)
24 [intervention cannot lawfully be carried out within or over the State of Rhode Island.](#)

25 [\(b\) Government agencies or projects, academic institutions, public or private entities, and](#)
26 [armed forces operating within or above the State of Rhode Island shall meet all the requirements](#)
27 [of this chapter.](#)

28 **23-23.8-6. Penalties and enforcement.**

29 [An entity that engages in a prohibited polluting atmospheric experiment and/or intervention](#)
30 [under this chapter or person who uses an unmarked or unidentified aircraft or other vehicle or](#)
31 [facility to carry out an experiment and/or intervention involving the release of pollutants, or who](#)
32 [fails to comply with the regulations set forth:](#)

33 [\(1\) Has committed a felony and shall pay a fine of not less than five hundred thousand](#)
34 [dollars \(\\$500,000\) or be imprisoned for not less than five \(5\) years, or both;](#)

1 (2) Shall be guilty of a separate offense for each day during which violative activity has
2 been conducted, repeated, or continued;

3 (3) Rhode Island state police shall deputize and train volunteer Rhode Island citizens to
4 assist with the enforcement of the provisions of this chapter.

5 (4) The Rhode Island state police or deputies shall investigate reports of SRM or radiation
6 pollution to ensure compliance with the requirements of this chapter or the administrative
7 regulations promulgated hereunder.

8 **23-23.8-7. Investigatory findings -- Responses.**

9 As established in this chapter, scientific dimensions of SRM include the use of
10 interoperable ground-based, airborne, and space-based facilities involving the release of pollutants,
11 including radiation. There are ever-increasing numbers of pollution-generating, microwave-
12 irradiating instruments used in weather experimentation including, but not limited to, ground-based
13 facilities interoperable with drones and satellites. Such infrastructures and the electrical grid are
14 vulnerable to radiation pollution interference, EMP events and cyber-attacks, potentially leading to
15 accidents, fatalities, damage to critical infrastructures, possible collapse of commerce systems and
16 the failure of essential public utilities, costing the state billions of dollars. Therefore, irradiating
17 infrastructure shall be subject to evaluation by an independent licensed radiofrequency (RF)
18 engineer paid for by the facility owner. RF engineer shall provide findings in a report to be
19 submitted to the Rhode Island state police, therefore:

20 (1) Radiation signal strength metered at the reported location is not to exceed -75 dBm
21 (decibel-milliwatt) for any frequency or channel band specified by a transmitting entity's FCC
22 transmission license; or, maximum power output limit from all frequencies/antennas from a
23 wireless facility is not to exceed 0.1 watt of effective radiated power (ERP) so as to provide -75
24 dBm signal strength at 1/2 mile, or five (5) bars on a cell phone. If signal strength metered by RF
25 engineer is in excess of -75 dBm (decibel-milliwatt), the facility operator has thirty (30) days to
26 achieve compliance without disruption to performance of personal wireless services. The Rhode
27 Island state police or deputies shall perform random testing from time to time to ensure facility
28 compliance with this chapter. Failure to comply will result in a fine of not less than five hundred
29 thousand dollars (\$500,000) per day for each day the facility is out of compliance. Deliberate
30 falsification or altering of information shall be punished in accordance with § 23-23.8-6(1) and (2).
31 All public and private entities operating in the state shall comply with these guidelines.

32 (2) To reduce pollution and ensure the economic protection and privacy of Rhode Islanders,
33 the safe and secure deployment of hardwired, fiber-optic connections to the premises (FTTP) to
34 homes, schools, and businesses shall be required, thereby providing the ability to conduct financial

1 [transactions and complete lifesaving communications in the event that electronic interactions by](#)
2 [existing means are compromised, hacked, restricted, or not possible. To safeguard the wellbeing of](#)
3 [Rhode Islanders, consumer choice options, including non-wireless routers, non-wireless modems,](#)
4 [and non-wireless mechanical analog utility meters, within home, property, or business shall be](#)
5 [offered to customers without additional fees.](#)

6 SECTION 3. Section 30-15-7 of the General Laws in Chapter 30-15 entitled "Emergency
7 Management" is hereby amended to read as follows:

8 **30-15-7. Governor's general powers.**

9 The governor shall be responsible for carrying out the provisions of this chapter and shall
10 be primarily responsible for emergency management in the state. Aside from powers granted to the
11 governor elsewhere, the governor is hereby specifically authorized to:

12 (1) Issue executive orders, proclamations, and regulations and amend or rescind them.
13 Executive orders, proclamations, and regulations, for the purposes of this chapter, have the force
14 and effect of law;

15 (2) Cooperate with the federal authorities and with the governors and/or officials of the
16 other states in matters pertaining to the common disaster preparedness of the states and nation, and
17 in exercising the powers under this chapter, the governor shall avoid duplications of, and conflicts
18 with, the efforts of the federal authorities acting within their proper spheres;

19 (3) Consider on a continuing basis steps that could be taken to prevent or reduce the harmful
20 consequences of disasters. At the governor's direction, and pursuant to any other authority they
21 now have, state agencies, including, but not limited to, those that are or may be charged with
22 responsibilities in connection with flood plain management, stream encroachment and flow
23 regulation, ~~weather modification~~, fire prevention and control, air quality, public works, land use
24 and land-use planning, and construction standards, shall make studies of disaster-prevention-related
25 matters. The governor, from time to time, shall make recommendations to the general assembly,
26 local governments, and other appropriate public and private entities as may facilitate measures for
27 mitigation of the harmful consequences of disasters;

28 (4) Prepare a comprehensive plan and program for disasters (including response and
29 recovery) in the state, the plan and program to be integrated into, and coordinated with, the response
30 and disaster plans of other states to the fullest possible extent, and coordinate the preparation of
31 plans and programs for disasters by the political subdivisions of the state, such plans to be integrated
32 into, and coordinated with the state disaster plan and program to the fullest possible extent;

33 (5) In accordance with the plans and programs for disasters in the state, procure supplies
34 and equipment, to institute training programs and public information programs, and to take all other

1 preparatory steps, including the partial or full mobilization of disaster organizations in advance of
2 actual disaster, to ensure the furnishing of adequately trained and equipped forces of disaster
3 personnel in time of need;

4 (6) Delegate any administrative authority vested in the governor under this chapter and
5 provide for the subsequent delegation of that authority; and

6 (7) Do all other things necessary to ensure adequate preparation for disasters in the state,
7 not inconsistent with other provisions of law.

8 SECTION 4. This act shall take effect upon passage.

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EXPLANATION
BY THE LEGISLATIVE COUNCIL
OF

A N A C T

RELATING TO HEALTH AND SAFETY -- THE RHODE ISLAND CLEAN AIR
PRESERVATION ACT

1 This act establishes the Rhode Island Clean Air Preservation Act that establishes a
2 regulatory process to prohibit polluting atmospheric experimentation such as solar radiation
3 modification (SRM), sunlight reflection methods (SRM), solar radiation management (SRM),
4 geoengineering, weather modification, cloud seeding, or other atmospheric interventions involving
5 the release of pollutants including Perfluoroalkyl and Polyfluoroalkyl Substances (PFAS) known
6 also as "forever chemicals," within the state, providing penalties for violations.

7 This act would take effect upon passage.

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