33RD SENATORIAL DISTRICT

SENATE BOX 203033
HARRISBURG, PA 17120-3033
PHONE: 717-787-4651

37 SOUTH MAIN STREET, SUITE 200
CHAMBERSBURG, PA 17201
PHONE: 717-264-6100

33 YORK STREET
GETTYSBURG, PA 17325
PHONE: 717-334-4169

Senate of Pennsylvania
DOUG MASTRIANO
SENATOR

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October 29, 2025

The Honorable Robert F. Kennedy, Jr., Secretary
Department Health and Human Services
1600 Pennsylvania Avenue, NW
Washington, DC 20500

RE: Urgent Request to Suspend Federal Funding for Solar Radiation Modification (SRM) and Protect Public Health and the Environment

Dear Mr. Kennedy,

I am writing to you today with deep concern regarding the federal funding and activities related to Solar Radiation Modification (SRM), specifically the programs being conducted by DARPA, NOAA and other federal agencies. Given your longstanding commitment to the protection of public health and the environment, I urge you to take immediate action to suspend all federal funding associated with SRM, a technology that threatens not only our environmental integrity but also the very health of American citizens.

As you know, SRM involves the injection of reflective aerosols into the atmosphere in an effort to block sunlight and theoretically mitigate the effects of climate change. However, these technologies—commonly involving the dispersal of sulfur dioxide, SO_2, sulfate, calcium carbonate and diamond dust.[1]—pose serious risks to air quality, water resources, and the overall health of our ecosystems. These experiments are speculative and have not been sufficiently tested for their long-term impacts on human life, agriculture, or biodiversity.

In FY 2023, the Department of Defense requested $3.1 billion for climate-related investments, including SRM research.[2] While climate change certainly demands action, this program represents an inappropriate and dangerous diversion of funds away from pressing issues such as strengthening infrastructure, improving disaster response, and supporting vulnerable communities.

The federal government's reliance on unproven geoengineering solutions is a clear example of misplaced priorities. As we witness the erosion of public trust in institutions, it is critical

that we demonstrate our commitment to environmental protection by redirecting resources toward sustainable, safe, and proven climate mitigation strategies. These actions will not only reduce the environmental risks associated with SRM but will also ensure that public funds are used effectively to improve lives, rather than being gambled on speculative weather-modification technologies.

Pennsylvania's Weather Modification Act of 1968 provides a crucial framework for atmospheric interventions, including the requirement for public notice, accountability, and oversight. Federal SRM initiatives violate these protections, putting the health and safety of Pennsylvanians—and all Americans—at risk without adequate transparency or consent.

I ask for your leadership in the following actions:

1. **Suspend all federal funding for SRM-related programs** under DARPA, NOAA and other agencies immediately.
2. **Ensure full transparency and disclosure** of SRM activities, data, and contracts to Congress and relevant state legislatures, prioritizing public involvement and accountability.
3. Redirect funds away from speculative geoengineering experiments and toward tangible, sustainable solutions for environmental protection and climate resilience.

We have an urgent obligation to protect the public health and environment from reckless and unregulated geoengineering projects. I am confident that under your leadership, we can refocus our efforts on initiatives that are grounded in science, transparency and responsibility to the American people.

Thank you for your attention to this pressing issue. I look forward to working with you to ensure the health and safety of all Americans.

Sincerely,

Senator Doug Mastriano
Pennsylvania State Senate, 33rd District
Chair, Veterans Affairs & Emergency Preparedness Committee

Footnotes

1. National Oceanic and Atmospheric Administration, “Solar Radiation Modification: NOAA State of the Science Factsheet.” June 2025 (archived). Climate.gov+2NOAA Institutional Repository+2
2. John Conger, “Unpacking the Pentagon’s $3.1 Billion Climate Request,” *Climate & Security*, May 5, 2022. The Center for Climate & Security+2Office of the Comptroller+2