



Weather Modification Pilot Program (Cloud Seeding) Update

January 8, 2024

Overview of Cloud Seeding Pilot Program

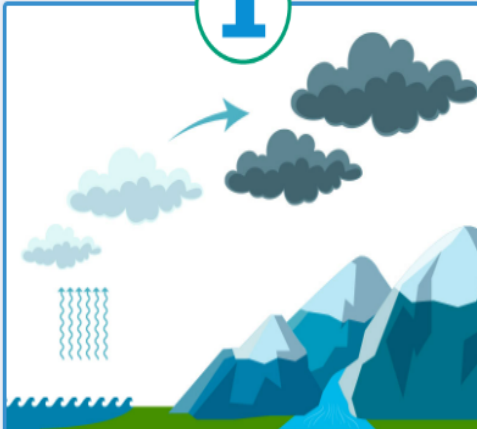
- Santa Ana Watershed Project Authority (SAWPA) and North American Weather Consultants (NAWC) installed the Cloud Seeding generator at our Mountain View turnout property in October 2023
- The pilot program is scheduled to operate from 2023 to 2027, spanning a duration of four years.
- The first operation of the Cloud Seeding emitter was on December 18, 2023
- SAWPA and Pass Agency staff have collaborated to notify local law enforcement and fire departments when Cloud Seeding operations are in progress.



Overview of Cloud Seeding Pilot Program

How Cloud Seeding Works

1



Storms come into the watershed region bringing in clouds and moist air flowing over the mountains, cooling and creating clouds composed of supercooled water droplets.

2



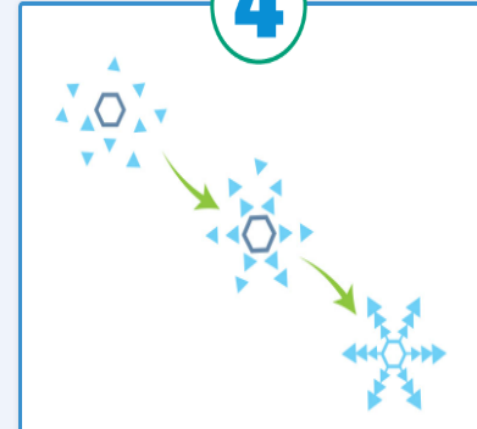
Silver iodide particles mixed with acetone are vaporized and released into the atmosphere using ground based seeding systems.

3



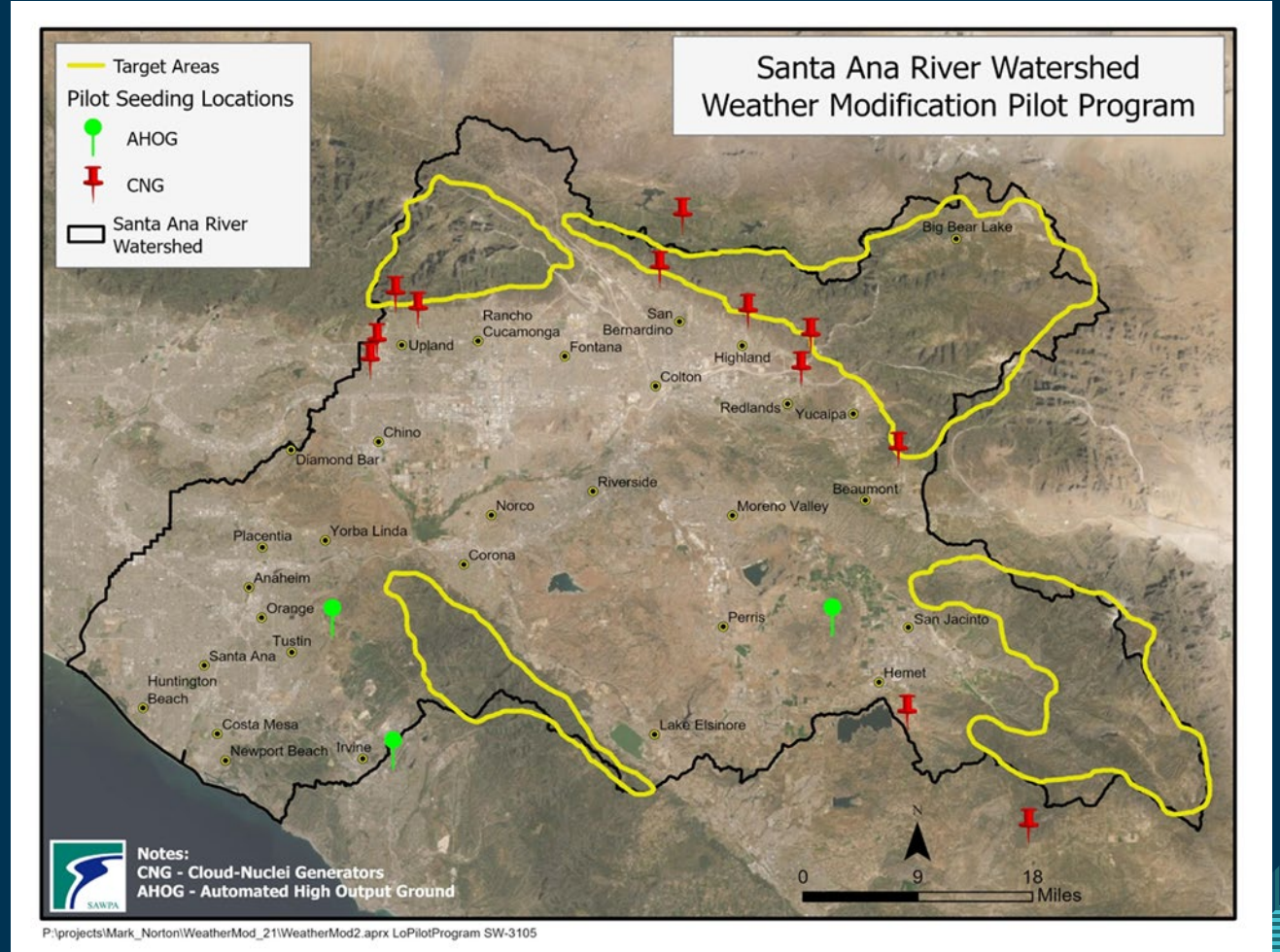
Silver iodide particles rise into cold, high-altitude air; moisture in the air condenses to form ice crystals on the particles.

4



By freezing of droplets and deposition of vapor, ice crystals form and grow progressively larger, forming snowflakes large enough to precipitate to the ground.

SGPWA Cloud Seeding Event - December 22, 2023





Thank You