

Photovoltaic panels reflect light and affect flying birds

Source: <https://www.lesfablesdalexandra.fr/Tue-07-May-2019-5076.html>

Title: Photovoltaic panels reflect light and affect flying birds

Generated on: 2026-03-04 01:47:32

Copyright (C) 2026 ALEXANDRA BESS. All rights reserved.

The "lake effect" occurs when reflective photovoltaic (PV) panels are mistaken for water by migrating waterfowl and shorebirds. This misperception can cause birds to attempt to land, ...

This study advances the environmental benefits of solar energy by suggesting methods to mitigate the light polarization of panels to reduce the attraction of birds.

While some birds, like the black-crowned night heron, seem to thrive on the panels, others might not. Researchers observed birds using FPV systems in various ways - nesting, ...

Collision risk is a major cause of death at both PV and CSP facilities, with flying wildlife (bats, birds, and aquatic insects) potentially colliding with reflective surfaces of PV panels or CSP ...

Solar arrays, while essential for reducing greenhouse gas emissions, create large reflective surfaces that can confuse migratory animals. This phenomenon poses significant ...

Audubon collaborates with the PV Solar Industry in the Avian Solar Work Group to facilitate research on birds' interactions with PV solar panels, and what might be done to avoid harm.

Utility-scale PV facilities may attract migrating waterfowl and shorebirds through the "lake effect", whereby migrating birds perceive the reflective surfaces of PV panels as bodies of water and collide ...

Solar panels can reflect and concentrate sunlight, which can lead to fatal burns for birds that fly into them. In addition, the panels can block out the sky and disrupt migratory patterns.

Website: <https://www.lesfablesdalexandra.fr>

