

FILE

STOP-SOLAR (/INDEX.PHP)

STOP SOLAR FARMS IN RESIDENTIAL AREAS

2021 DEC -8 PM 2:38

PUCO

21-0940

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Thursday, December 02, 2021

Quick News: Solar farm dispute has neighbors alleging broken promises (/news/solar-farm-dispute-has-neighbors-alleging-broken-promises.html)

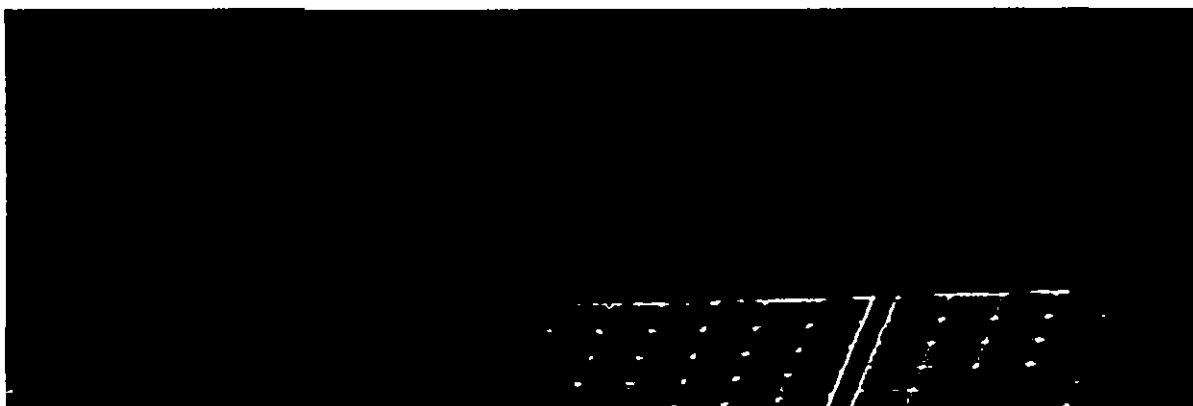
FIRES

Wednesday 29 January 2020

FIRES (/NEWS/CATEGORY/FIRES.HTML)

SOLAR FARM FIRE BURNS 1,127 ACRES (/NEWS/SOLAR-FARM-FIRE-BURNS-1127-ACRES.HTML)

29 Jan 2020 • Posted by SR Editor (/user.php?id.1) • Comments: 0 • Views:



Solar Farm Fire that burns 1, 127 acres, was started by a BIRD.

On June 5, 2019 a California Solar Farm that burned 1,127 acres, caught on fire because of a BIRD.

According to a California Fire Battalion Chief, the birds wings touch multiple electrical conductors at the same time and they turn into a "light bulb".

He also said, "It happens all the time."

The solar farm was partially funded by a \$1.24-billion loan guarantee from the U.S. Energy Department.

The fire occurred at a solar farm that uses photovoltaic panels, just like the ones on rooftops and some people wonder how safe homes that are located close to solar farms are, when a fire can consume 1,127 acres of land before it can be put out.

We also found out the "National Fire Data Center" keeps statistics on causes of fires however,

fires resulting from Solar Panels are NOT DOCUMENTED. Instead, those fires are classified as "other."

Are fires that are started by faulty solar panels, being hidden from citizens of the U.S.A. by the press or the government? We know there is an organization in the UK that is documenting the solar panel components that have been proven to cause fires, but have not found any such documentation within the U.S.A. yet. That is a question we are currently investigating.

<https://www.latimes.com/business/la-fi-bird-fire-solar-farm-20190624-story.html> (<https://www.latimes.com/business/la-fi-bird-fire-solar-farm-20190624-story.html>)

<https://rairfoundation.com/thank-socialism-for-california-fires-and-for-burying-the-potential-hazard-of-solar-panels/> (<https://rairfoundation.com/thank-socialism-for-california-fires-and-for-burying-the-potential-hazard-of-solar-panels/>)

● SOLAR FARM FIRE BURNS 1127 ACRES IN CA CALIFORNIA (/NEWS/TAG/SOLAR%20FARM%20FIRE%20BURNS%201127%20ACRES%20IN%20CA%20CALIFORNIA.HTML), BIRD STARTS SOLAR FARM FIRE (/NEWS/TAG/BIRD%20STARTS%20SOLAR%20FARM%20FIRE.HTML), SOLAR PANEL FIRES NOT DOCUMENTED (/NEWS/TAG/SOLAR%20PANEL%20FIRES%20NOT%20DOCUMENTED.HTML)

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All chemicals listed above are considered toxic under fire conditions; some have a significant increased cancer risk with exposure.

http://www.ufsw.org/pdfs/photovoltaic_systems.pdf

Government Is Placing SOME Restrictions On Solar Farm Locations.

Massachusetts, Minnesota, New Jersey, Maryland, California, and Washington all have passed state or local restrictions on the location of solar farms.

https://www.ct.gov/ccq/lib/ccq/Energy_Sprawl_in_Connecticut.pdf

Millions of Solar Panels Contain Hazardous Waste. What Happens When They Are Damaged or Removed From Solar Farms?

<https://ecology.wa.gov/Waste-Toxics/Reducing-recycling-waste/Solar-panels>

If Solar Panels Are So Clean, Why Do They Produce So Much Toxic Waste?

<https://www.forbes.com/sites/michaelshellenberger/2018/05/23/if-solar-panels-are-so-clean-why-do-they-produce-so-much-toxic-waste/#da54aec121cc>

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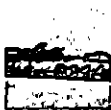


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SAFETY (/NEWS/CATEGORY/RECALLS.HTML)

Tesla Project Titan Quietly Replaced Solar Panel Parts That Could Cause Fires (/news/tesla-project-titan-quietly-replaced-solar-panel-parts-that-could-cause-fires.html)

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SAFETY (/NEWS/CATEGORY/RECALLS.HTML)

Solar Panel Inverters Recalled Due To Fire Hazards (/news/solar-panel-inverters-recalled-due-to-fire-hazards.html)

Feb 03, 2020 0 0



We need our elected officials to represent the citizens that help elect them.

As a constituent in your district that voted for you, I would like you to help protect the rights of home owners like myself, that are having their safety, as well as the safety of our loved ones, threatened.

Due to recent government financial incentives for "green energy," the growth of "Solar Farms" has exploded within the last 10 years.

Unfortunately, like many new "get rich quick ideas," that growth has taken place without having many well thought-out plans or regulations in place to protect the individuals that have to live with the consequences, such as the intrusion and danger of having Solar Farms located on property adjoining or even surrounding their homes.

We believe there are numerous regulations and guidelines that need to be put into place, as a protection for our homes, lives, natural resources and food sources.

A: We need to have regulations that prevent Solar Farms from being located on "prime farm land as well as areas that would require the removal of forests or trees that disrupt the natural habitat of endangered species."

B: Due to the "proven facts" that Solar Panel Components HAVE caused fires, combined with the FACT that the TOXIC Chemicals inside the panels can be released into the air and smoke, during a fire, we have several suggestions.

1: Since fires can go through fences and cross roads, we NEED regulations preventing Solar Farms from being built on any land bordering or across the road from a residential home.

2: Due to the health risk involved with breathing the fumes of Burning Solar Panels, we NEED regulations preventing Solar Farms from being built within at least 1 mile of any building occupied by handicapped, home-bound or other individuals that would require emergency services to help evacuate them from the area, in the event a solar farm fire is serious enough to warrant evacuations.

a: Since California has recently experienced a Solar Farm Fire that burned more than 1,200 acres, a One Mile distance may not even be enough or a safe distance.

C: In order to be prepared for the millions of solar panels that will be reaching their "end of life," we believe there should be some type of safety regulations in place that will protect the people and planet from all of the toxic waste contained within the solar panels.

References:

Solar Fire 6/5/2019: 1,127 Acres burned in California Solar Fire.

<https://www.latimes.com/business/la-fi-bird-fire-solar-farm-20190624-story.html>

A 2018 Three Year Study on fires involving solar photovoltaic (PV) systems.

Approximately 36% of incidents recorded that were caused by PV systems were attributed to poor installation practices. 5% were attributed to faulty products and 10% to system design errors. The causes of the remainder were unknown.

Where PV systems have been the cause of fires, some themes emerge. Much attention is paid to the phenomenon of electrical arcing, where a current flows across an air gap by ionising the air.

High voltage arcs are extremely hot and can cause combustion of surrounding materials in less than a second. Arcing can occur where conducting parts become physically separated by mechanical movement or mis-alignment.

Also, a build-up of contaminants (e.g. oxide) on electrical contacts can cause resistive heating, resulting in the breakdown of materials and subsequent arcing.

Certain components, if incorrectly specified, poorly installed or contain manufacturing faults, are typical locations of electrical arcs: •DC connectors •DC isolators •Inverters •PV modules, including by-pass diodes and junction boxes

We strongly suspect a degree of under-reporting, especially among solar farms and domestic thermal events that were resolved by a solar installer/ maintenance engineer.

[https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/786882/Fires and solar PV systems-Investigations Evidence Issue 2.9.pdf](https://assets.publishing.service.gov.uk/government/uploads/system/uploads/attachment_data/file/786882/Fires_and_solar_PV_systems-Investigations_Evidence_Issue_2.9.pdf)

HAZARDOUS MATERIALS INHALATION HAZARD

Hazardous materials used in the semi-conductor industry, such as silicon, boron, phosphorus, cadmium, tellurium, arsenic, and gallium, are used in the construction of PV modules and components.

In PV modules these materials are sealed between the top layer of glass and the plastic backing of the module, and then are encased in an aluminum frame.

When the PV system is operating under normal conditions, these chemicals do not constitute a hazard. However, during a fire involving PV modules or components, or the adjacent areas around the modules or components, the aluminum frame can become deformed or melt, exposing the hazardous chemicals to direct flame and/or significant heat.

The exposure to flame and heat will cause the materials to dissipate in the smoke plume, constituting an inhalation hazard to Firefighters without breathing apparatus, as well as people standing near the fire building and in the path of the plume.

The inhalation hazard from these chemicals can be mitigated for Firefighters by ensuring the constant use of breathing apparatus and all PPE during fire attack and overhaul operations.