



Fact Sheet

Fire Management for Solar Farms

Tilt Renewables prioritises fire management at all our sites and coordinates closely with emergency services to keep our neighbours safe.

Fires at solar farms are uncommon. However, it is important to keep sites well maintained and work closely with local fire services to prevent fires.

Why are fires at solar farms uncommon?

Solar panels rarely catch on fire. In the past, fires have been caused by faulty or damaged equipment such as isolators, connectors, or cables.

Fires only become dangerous to other property and neighbours when the vegetation around solar panels is poorly maintained.

How does Tilt Renewables reduce fire risks at solar farms?

- **Regularly monitoring equipment and vegetation** Vegetation across the site and on the boundaries is monitored regularly. Solar farm equipment is also regularly maintained throughout the site.
- **Regular engagement with fire authorities** Fire authorities visit our solar farms every year to do site familiarisation activities. During these visits they can provide recommendations to further reduce fire risk.
- **Emergency planning** We create emergency management plans in consultation with the relevant state fire authority. These plans cover construction, operation, and decommissioning. They include having fire extinguishers on site, regularly checking fire detection equipment, and ensuring staff are trained for emergency situations.
- **Rainwater tanks and fuel breaks** Access and management tracks around the site are valuable fuel breaks. Site access tracks are well maintained. Each solar farm has rainwater tanks available for use to fight fires.



What happens if there is a fire?

If there was a fire at a solar farm, there is fire detecting equipment on site. First, staff on site would assess the situation and whether they can put it out with extinguishers. If not, they will evacuate, call 000 and follow the directions from the fire and emergency services.

If a fire breaks out at a solar farm, we can assist firefighting in several ways including:

- Providing access to internal roads on the property for firefighters.
- Providing water via the rainwater tanks on site.
- Providing additional resources or equipment to help the firefighting effort.

Can transmission lines cause a bushfire?

Transmission lines, managed and maintained properly, are a very low fire risk. This is due to the height clearance between the transmission lines and the ground, as well as the managed vegetation beneath the lines that runs for the length of the line.

Transmission lines are also shut down when required. In the event of a fault on the line, the protection systems will immediately deactivate the line to prevent an electrical fire.

Tilt Renewables partners with experienced transmission line companies who build and manage the transmission lines that connect our wind farms to the grid.

You can find out more about Transmission Lines and Bushfire Safety from the following authorities:

- [Energy Safety Victoria](#)
- [Transgrid \(NSW\)](#)
- [Powerlink \(Qld\)](#)

In-kind support and community benefits

Tilt Renewables is committed to strengthening the communities we operate in.

Our projects include benefit sharing initiatives during construction and operation. Sometimes we provide funding and in-kind support to local firefighting organisations including rebuilding fire sheds and funding firefighting equipment.

The community help decide how benefits from our solar farms are shared.