

## **Freedom of Information – Response – 26950**

1. How many fire incidents involving solar panels (photovoltaic) systems were recorded in the following time periods?

a) 01/01/2022 - 31/12/2022

1

b) 01/01/2023 - 31/12/2023

2

c) 01/01/2024 - 31/12/2024

1

d) 01/12/2025 – 31/12/2025

5

2. In 2024, how many fire incidents involving solar panels occurred in each of the following locations?

a) Residential properties

4

b) Commercial properties

0

c) Industrial properties

0

d) Solar farms (ground-mounted solar installations)

0

3. In 2025, how many fire incidents involving solar panels occurred in each of the following locations?

a) Residential properties

b) Commercial properties

c) Industrial properties

d) Solar farms (ground-mounted solar installations)

1x Residential; 4x non-residential (cannot split between commercial & industrial); 0x Solar farms.

4. In 2024, how many solar-panel related fires originated in the following settings?

a) Solar panel

b) DC cabling/ connectors

c) Invertor

d) Battery bank

1x battery

5. In 2025, how many solar-panel related fires originated in the following settings?

e) Solar panel

f) DC cabling/ connectors

g) Invertor

h) Battery bank

3x Solar panel; 1x power point

6. In the following years, how many fire incidents involving solar panels were
- a. confined to the solar panel system?
  - b. spread to the wider building?

Please provide figures for:

- a) 01/01/2022 – 31/12/2022
- b) 01/01/2023 – 31/12/2023
- c) 01/01/2024 – 31/12/2024
- d) 01/01/2025 – 31/12/2025

This information is not recorded on Suffolk Fire and Rescue Service's Incident Reporting System

7. What equipment or firefighting methods are typically used by your fire service to extinguish or control solar panel fires?

- a) Standard water hoses/jets
- b) Foam additive hoses
- c) CO2 and/or Dry Powder
- d) Specialist extinguishing agents, if so please specify
- e) Other agents or equipment/tools, please specify (e.g. black out blankets, PV Stop)

We follow the National Fire Chiefs Council (NFCC) National Operational Guidance (N.O.G) for photovoltaic panels

a) Standard water hoses/jets

- We use either Angus Duraline Layflat Hose 45mm and 70mm
- High Pressure Hosereel tubing conforming to N1947:2002, type C, category 2, class 1.
- Low Pressure Branches Delta Attack 500 Selectable Flow mainline branch
- High Pressure Hosereel Branches Delta H500ST-25
- FB5X foam Branch

b) Foam additive hoses

- Respondol® ATF, synthetic fluorine free foam (F3) concentrate

c) CO2 and/or Dry Powder

- 4kg ABC 40 powder extinguisher

d) Specialist extinguishing agents, if so please specify

- No specialist agents

e) Other agents or equipment/tools, please specify (e.g. black out blankets, PV Stop)

- Salvage Sheets
- Electrical gloves
- Small tools