

Freedom of Information request reference number: 8243.1

Date of response: 23 January 2023

Request:

Dear LFB team, I wanted to reach out and ask whether you have any data on light electric vehicle (lithium-ion battery) fires, ideally from e-scooters/bikes stored inside buildings? I have come across a few of your articles regarding light electric vehicle fires such as the following. <https://www.london-fire.gov.uk/safety/lithium-batteries/the-dangers-of-electric-scooter-and-electric-bicycle-batteries/> I'm currently carrying out researching for OFR consultants regarding the risk of light electric vehicle fires. This is a very relevant issue in the field of fire safety engineering. Currently there is no guidance for electric vehicles regarding safe building design and the number of fires from electric vehicles keeps rising. I would really appreciate any help in case you have any relevant data.

Response:

Please see below the number of incidents LFB have responded to involving E-Bikes / E Scooters.

2023 – Jan – Dec

E-Bike – 155

E-Scooter – 28

2022 – Jan – Dec

E-Bike – 87

E-Scooter – 29

2021 – Jan – Dec

E-Bike – 48

E-Scooter – 30

2020 – Jan – Dec

E-Bike – 13

E-Scooter – 18

LFB have created Guidance Note 103 which is available on the LFB website. The Guidance Note provides information to those storing and/or charging Electric Powered Personal Vehicles (EPPVs e.g., e-bikes, e-scooters, and e-unicycles) within an office and residential buildings that are covered by the Regulatory Reform (Fire Safety) Order 2005

https://www.london-fire.gov.uk/media/8064/gn_103-charging-and-storage-for-electric-powered-personal-vehicles.pdf

LFB have also created Guidance Note 84 which is available on the LFB website. Information within GN84 provides external partners how relatively small fires within communal areas can rapidly develop, putting residents' lives in danger, can cause significant damage which can result in major costs to housing providers/insurers.

https://www.london-fire.gov.uk/media/8065/gn_84-fires-in-communal-areas.pdf

We have dealt with your request under the Freedom of Information Act 2000. For more information about this process please see the guidance we publish about making a request [on our website](#)