



## Freedom of Information Request FOI 25 22

### Lithium Ion & Electric Vehicle Fires

#### Query:

1. *How many fires linked to lithium-ion batteries did you record in the following periods?*
  - a. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2022*
  - b. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2023*
  - c. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2024*
2. *How many fires linked to lithium-ion batteries took place in the following locations in 2024; commercial property, house or flat, outdoors?*
  - a. *Commercial property:*
  - b. *House or flat:*
  - c. *Outdoors:*
3. *How many fatalities as a result of lithium-ion fires did you record in the following periods?*
  - a. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2022:*
  - b. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2023:*
  - c. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2024:*
4. *How many fires involving an electric bike did you record in the following periods?*
  - a. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2022:*
  - b. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2023:*
  - c. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2024:*
5. *How many fires involving an electric bike were from either of the following in 2024?*
  - a. *Converted battery e-bikes:*
  - b. *Officially manufactured e-bikes:*
6. *How many e-bike fires from 1<sup>st</sup> Jan to 31 Dec 2024 were caused for the following reasons?*
  - a) *Manufacturing defect*
  - b) *overcharging*
  - c) *physical damage post-purchase*
  - d) *battery modification*
7. *What is the average financial cost for your fire service to suppress an e-bike fire?*
  - a. *£0 - £999*
  - b. *£1000 - £4999*
  - c. *£5,000- 9,999*
  - d. *£10,000 +*
8. *What is the average length of time to suppress an e-bike fire?*
  - a. *0-1 hour*
  - b. *1-5 hours*
  - c. *6-10 hours*
  - d. *10+ hours*



9. *How many fires involving an electric scooter did you record in the following periods?*
- a. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2022:*
  - b. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2023:*
  - c. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2024:*
10. *How many fires involving an electric car did you record in the following periods?*
- a. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2022:*
  - b. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2023:*
  - c. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2024:*
11. *What is the average length of time to suppress an electric car fire?*
- a. *0-1 hour*
  - b. *1-5 hours*
  - c. *6-10 hours*
  - d. *10+ hours*
12. *How many fires involving an electric mobility scooter did you record in the following periods?*
- a. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2022:*
  - b. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2023:*
  - c. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2024:*
13. *How many fires involving an electric bus/ coach did you record in the following periods?*
- a. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2022:*
  - b. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2023:*
  - c. *1<sup>st</sup> Jan - 31<sup>st</sup> December 2024:*

**Response:**

**Please see the attached spreadsheet with the information requested.**

**Information/Detail accurate on the date provided: 27, March 2025**