

FOI:	399 02 25
Request Theme:	Lithium-ion Batteries
Reporting Period:	01 January 2022 – 31 December 2024

Dear Requestor,

Hereford and Worcester Fire and Rescue Service submit incident reports to the Home Office’s Incident Recording System. At present, there is no option to capture that the property type related to lithium-ion batteries or electric vehicles. Therefore, a free-text search of incident recordings between 01/01/2022 and 31/12/2024 has been conducted using search criteria such as ‘Lithium-ion’, ‘E-bike and ‘Electric vehicle’ etc.

Serial	Question	Response								
1	<p>How many fires linked to lithium-ion batteries did you record in the following periods?</p> <p>a) 1st Jan - 31st December 2022                      b) 1st Jan - 31st December 2023                      c) 1st Jan - 31st December 2024</p>	<table border="1"> <thead> <tr> <th>Year</th> <th>Number of fires linked to lithium-ion batteries</th> </tr> </thead> <tbody> <tr> <td>2022</td> <td>5</td> </tr> <tr> <td>2023</td> <td>6</td> </tr> <tr> <td>2024</td> <td>8</td> </tr> </tbody> </table>	Year	Number of fires linked to lithium-ion batteries	2022	5	2023	6	2024	8
Year	Number of fires linked to lithium-ion batteries									
2022	5									
2023	6									
2024	8									

Serial	Question	Response								
2	<p>How many fires linked to lithium-ion batteries took place in the following locations in 2024:</p> <p>a) Commercial property b) House or flat c) Outdoors</p>	<table border="1"> <thead> <tr> <th data-bbox="788 300 1301 339">Location Type</th> <th data-bbox="1301 300 2018 339">Number of fires linked to lithium-ion batteries in 2024</th> </tr> </thead> <tbody> <tr> <td data-bbox="788 339 1301 384">Commercial Property</td> <td data-bbox="1301 339 2018 384">4</td> </tr> <tr> <td data-bbox="788 384 1301 445">House of Flat <i>(Dwellings)</i></td> <td data-bbox="1301 384 2018 445">1</td> </tr> <tr> <td data-bbox="788 445 1301 539">Outdoors <i>(Including Outdoor Structures and Vehicles)</i></td> <td data-bbox="1301 445 2018 539">3</td> </tr> </tbody> </table>	Location Type	Number of fires linked to lithium-ion batteries in 2024	Commercial Property	4	House of Flat <i>(Dwellings)</i>	1	Outdoors <i>(Including Outdoor Structures and Vehicles)</i>	3
Location Type	Number of fires linked to lithium-ion batteries in 2024									
Commercial Property	4									
House of Flat <i>(Dwellings)</i>	1									
Outdoors <i>(Including Outdoor Structures and Vehicles)</i>	3									
3	<p>How many fatalities as a result of lithium-ion fires did you record in the following periods?</p> <p>a) 1st Jan - 31st December 2022 b) 1st Jan - 31st December 2023 c) 1st Jan - 31st December 2024</p>	<table border="1"> <thead> <tr> <th data-bbox="788 639 943 679">Year</th> <th data-bbox="943 639 1731 679">Number of fatalities linked to lithium-ion battery fires</th> </tr> </thead> <tbody> <tr> <td data-bbox="788 679 943 724">2022</td> <td data-bbox="943 679 1731 724">0</td> </tr> <tr> <td data-bbox="788 724 943 769">2023</td> <td data-bbox="943 724 1731 769">0</td> </tr> <tr> <td data-bbox="788 769 943 804">2024</td> <td data-bbox="943 769 1731 804">0</td> </tr> </tbody> </table>	Year	Number of fatalities linked to lithium-ion battery fires	2022	0	2023	0	2024	0
Year	Number of fatalities linked to lithium-ion battery fires									
2022	0									
2023	0									
2024	0									
4	<p>How many fires involving an electric bike did you record in the following periods?</p> <p>a) 1st Jan - 31st December 2022 b) 1st Jan - 31st December 2023 c) 1st Jan - 31st December 2024</p>	<table border="1"> <thead> <tr> <th data-bbox="788 922 943 962">Year</th> <th data-bbox="943 922 1675 962">Number of fires involving an electric bike</th> </tr> </thead> <tbody> <tr> <td data-bbox="788 962 943 1007">2022</td> <td data-bbox="943 962 1675 1007">2</td> </tr> <tr> <td data-bbox="788 1007 943 1051">2023</td> <td data-bbox="943 1007 1675 1051">1</td> </tr> <tr> <td data-bbox="788 1051 943 1086">2024</td> <td data-bbox="943 1051 1675 1086">1</td> </tr> </tbody> </table>	Year	Number of fires involving an electric bike	2022	2	2023	1	2024	1
Year	Number of fires involving an electric bike									
2022	2									
2023	1									
2024	1									

Serial	Question	Response
5	<p>How many fires involving an electric bike were from either of the following in 2024?</p> <p>a) Converted battery e-bikes b) Officially manufactured e-bikes</p>	This information is not recorded in the incident report.
6	<p>How many e-bike fires from 1st Jan to 31 Dec 2024 were caused for the following reasons?</p> <p>a) Manufacturing defect b) overcharging c) physical damage post-purchase d) battery modification</p>	B) overcharging
7	<p>What is the average financial cost for your fire service to suppress an e-bike fire?</p> <p>a) £0 - £999 b) £1000 - £4999 c) £5,000- 9,999 d) £10,000 +</p>	The Service does not keep records documenting the cost of responding to individual incidents.

Serial	Question	Response								
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	A) 0-1 hour								
9	How many fires involving an electric scooter did you record in the following periods?  a) 1st Jan - 31st December 2022 b) 1st Jan - 31st December 2023 c) 1st Jan - 31st December 2024	<table border="1" data-bbox="790 611 1675 778"> <thead> <tr> <th>Year</th> <th>Number of fires involving an electric scooter</th> </tr> </thead> <tbody> <tr> <td>2022</td> <td>0</td> </tr> <tr> <td>2023</td> <td>0</td> </tr> <tr> <td>2024</td> <td>2</td> </tr> </tbody> </table>	Year	Number of fires involving an electric scooter	2022	0	2023	0	2024	2
Year	Number of fires involving an electric scooter									
2022	0									
2023	0									
2024	2									
10	How many fires involving an electric car did you record in the following periods?  a) 1st Jan - 31st December 2022 b) 1st Jan - 31st December 2023 c) 1st Jan - 31st December 2024	<table border="1" data-bbox="790 898 1240 1118"> <thead> <tr> <th>Year</th> <th>Number of fires involving an electric car</th> </tr> </thead> <tbody> <tr> <td>2022</td> <td>4</td> </tr> <tr> <td>2023</td> <td>3</td> </tr> <tr> <td>2024</td> <td>2</td> </tr> </tbody> </table>	Year	Number of fires involving an electric car	2022	4	2023	3	2024	2
Year	Number of fires involving an electric car									
2022	4									
2023	3									
2024	2									

Serial	Question	Response								
11	<p>What is the average length of time to suppress an electric car fire?</p> <p>a) 0-1 hour                      b) 1-5 hours                      c) 6-10 hours                      d) 10+ hours</p>	<p>B) 1-5 hours</p>								
12	<p>How many fires involving an electric mobility scooter did you record in the following periods?</p> <p>a) 1st Jan - 31st December 2022                      b) 1st Jan - 31st December 2023                      c) 1st Jan - 31st December 2024</p>	<table border="1" data-bbox="790 611 1675 778"> <thead> <tr> <th>Year</th> <th>Number of fires involving an electric mobility scooter</th> </tr> </thead> <tbody> <tr> <td>2022</td> <td>0</td> </tr> <tr> <td>2023</td> <td>1</td> </tr> <tr> <td>2024</td> <td>0</td> </tr> </tbody> </table>	Year	Number of fires involving an electric mobility scooter	2022	0	2023	1	2024	0
Year	Number of fires involving an electric mobility scooter									
2022	0									
2023	1									
2024	0									
13	<p>How many fires involving an electric bus coach did you record in the following periods?</p> <p>a) 1st Jan - 31st December 2022                      b) 1st Jan - 31st December 2023                      c) 1st Jan - 31st December 2024</p>	<table border="1" data-bbox="790 898 1675 1066"> <thead> <tr> <th>Year</th> <th>Number of fires involving an electric bus/coach</th> </tr> </thead> <tbody> <tr> <td>2022</td> <td>0</td> </tr> <tr> <td>2023</td> <td>0</td> </tr> <tr> <td>2024</td> <td>0</td> </tr> </tbody> </table>	Year	Number of fires involving an electric bus/coach	2022	0	2023	0	2024	0
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2022	0									
2023	0									
2024	0									