

Freedom of Information request reference number: 6621.1

Date of response: 24/06/2022

Request:

How many electric vehicle / lithium battery fires have been tackled by LFB each year from 2017 to 2022 (to date)?:

1. Please show the types of vehicles in the data. (e.g., cars, bikes, scooters, etc).
2. Did any of the incidents result in significant damage or injury?

Response:

Please see the tables below:

i) Count of incidents by year and type of vehicle

Type of vehicle	2017	2018	2019	2020	2021	2022 (to 21 June)
Agricultural vehicle	0	0	1	0	0	0
Bicycle	0	1	1	1	2	0
Bus/coach	1	3	3	1	4	7
Car	49	36	27	31	38	37
Lorry/HGV	3	1	2	0	2	2
Minibus	0	1	0	0	0	0
Motor Home	1	0	0	1	1	0
Motorcycle	0	2	2	2	3	3
Multiple vehicles	1	2	3	0	3	1
Other road vehicle	5	7	5	4	4	6

Van	7	6	6	2	6	3
e-bike	5	2	10	12	44	32
e-scooter	2	2	2	18	31	7

ii) Number of injuries and deaths

Type of vehicle	Fire Injuries	Fire Deaths
Agricultural vehicle	0	0
Bicycle	0	0
Bus/coach	0	0
Car	4	0
Lorry/HGV	0	0
Minibus	0	0
Motor Home	0	0
Motorcycle	0	0
Multiple vehicles	0	0
Other road vehicle	0	0
Van	1	0
e-bike	51	0
e-scooter	22	0
Grand total	78	0

iii) Fire spread

At stop damage spread size	Incidents
Affecting more than 2 floors (not whole building)	2
Driver/Passenger compartment	44
Engine compartment	186
Fuel tank	13
Limited to 2 floors (not whole building)	10
Limited to floor of origin (not whole building)	23
Limited to item first ignited	18
Limited to room of origin	53
Null	9
Roof/Roof rack (exterior to vehicle)	2
Separate luggage compartment of vehicle	27
Wheels/Tyres/Brakes/Axles/Bearings	21
Whole building	6
Whole vehicle	93
Grand total	507

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: <https://www.london-fire.gov.uk/about-us/transparency/request-information-from-us/>