

Freedom of Information request reference number: 8990.1

Date of response: 18 September 2024

Request:

I would like to request information on the number of fires started by e-bikes and e-scooters that have occurred in London. if possible I would like details of each incident including vehicle type (e-scooter, e-folding bike, e-bike), if a modified or additional battery was fitted, if vehicle was charging at time of incident, and vehicle brand for the period of 2018 to 2024.

Response:

In response, the LFB publish a dataset of all Electrical Vehicle and lithium-ion related fires from 2017 onwards. This can be accessed via the following link:

<https://data.london.gov.uk/dataset/lithium-and-electric-vehicle-fires>

If you download the Excel spreadsheet, you can filter to fires that involve e-bikes or e-scooters using column D, 'Type'.

Some of the information you have requested is not included in the published dataset. Our Data team have provided the additional information below:

- *vehicle brand*
- *if a modified or additional battery was fitted, if vehicle was charging at time of incident, and vehicle brand*

This information is not routinely recorded however, the two tables below (one for e-bike data and one for e-scooter data) show any information input by attending crews in the 'Appliance Manufacturer', 'Main Cause Model' and 'Further Appliance Information' sections on our Incident Management System (IMS) where the fires that involve e-bikes or e-scooters. Please note, the fields are mostly free typed so there may be spelling errors in the tables. In addition, all three fields do not need to be completed on the IMS so some may only have information recorded in one or two of the three fields:

| e-bike data recorded | | |
|------------------------|--------------------|---|
| Appliance Manufacturer | Main Cause Model | Further Appliance Information |
| A O SMITH | 0 | |
| A O SMITH | unknown | |
| A O SMITH | Windgoo B20 36volt | |
| CARRIER | Titain | |
| DENNIS | Eagle | |
| GATEWAY | monster begode | |
| Other | . | Han Win Technology - HWT-1005-XCB Acer Mobile Power System - MBP-BI36S5 partial model number Relates to one of the four models Paris, Cannes Pro, Cannes Minii 36V, Porto 36V o |
| Other | . | |
| Other | . | |
| Other | . | |
| Other | ? | Unknown make of E-bike battery |
| Other | ?? | Dawes peddle assit bike converted to full e-bike with parts from Amazon |
| Other | 0 | |
| Other | 000 | |
| Other | 322114015378 | |
| Other | 36V17Ah | Li-ion battery, received day before fire. On charge for first time. No charger provided with new battery, existing charger used. |
| Other | 48v 20ah battery | |
| Other | 500-192-0298 | |
| Other | 705 torque | Wisper 705 torque E-Bike |
| Other | 92260 | |
| Other | A16 | |
| Other | ALL-TDL6125 | Allegro ALL-TDL6125 |
| Other | ATX88ED | |
| Other | B20 | Windgoo B20 Folding E-bike |
| Other | B20 | |
| Other | bike | |

| | | |
|-------|---------------------------|---|
| Other | Carrera MTB | |
| Other | conversion | |
| Other | conversion - not known | |
| Other | cycle | |
| Other | Defender M1-650/29er | |
| Other | dplc084v42y | Wuxi Dpower Electronic Li-ion battery charger model: DPLC084V42Y |
| Other | DZLS | |
| Other | e bike | |
| Other | Electric bike | |
| Other | Electric bike | |
| Other | Electric bike | |
| Other | Electric bike | |
| Other | E-MDO5 | ELECTRIC MINI MOTO MOTORBIKE |
| Other | E-One | |
| Other | Farsta 6000 | |
| Other | FP 4813 | (HL) R TEAM LIB pack unable to obtain serial number or confirm model number, on charge at the time of the fire. |
| Other | FSX2020-08 | |
| Other | GT100 (possibly) | |
| Other | HL-RP-S1304 | |
| Other | home made | |
| Other | HP110E-C | electric toy bike on first charge. |
| Other | HWT1005XCB | |
| Other | Known | |
| Other | Li Ion Battery | |
| Other | Lime Electric Assist Bike | Lime E Electric Assist Bike |
| Other | Lime-B40s | Lime E lithium ion Battery pack on charge |
| Other | Lithium Ion Battery | |
| Other | Lithium Ion Battery | |
| Other | LS1-3 | |
| Other | M365 | |

| | | |
|-------|------------------------|--|
| Other | Metro | |
| Other | modified electric bike | |
| Other | MX-01 | |
| Other | n/a | |
| Other | n/a | |
| Other | n/a | |
| Other | n/a | |
| Other | n/a | |
| Other | n/a | |
| Other | n/a | |
| Other | n/a | |
| Other | n/a | |
| Other | N/K | |
| Other | NA | |
| Other | NK | |
| Other | NK | |
| Other | no known | |
| Other | no markings | |
| Other | non identified | |
| Other | none | |
| Other | none | |
| Other | not known | incorrect charger used |
| Other | not known | Li-Ion e-bike batteries on charge. Around 1 month old. |
| Other | not known | Lithium ion battery fro electric bicycle. |
| Other | not known | Manufactured e-bike on charge on back garden for 5 hours prior to fire |
| Other | not known | unidentified LIB pack |
| Other | not known | |
| Other | not known | |
| Other | not known | |
| Other | not known | |
| Other | not known | |
| Other | not known | |

| | | |
|-------|--------------------------|--|
| Other | not known | |
| Other | not known | |
| Other | not known | |
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| Other | not known | |
| Other | not known | |
| Other | not known | |
| Other | not known | |
| Other | not known | |
| Other | not known | |
| Other | not known | |
| Other | not known | |
| Other | not known | |
| Other | not known | |
| Other | not known | |
| Other | Not Known - destroyed | |
| Other | Not known. | |
| Other | not none | |
| Other | Razor 300 | |
| Other | samsung | |
| Other | see further info | |
| Other | SR Suntour | |

| | | |
|----------|--------------------------|--|
| Other | UPPBATTERY | |
| Other | UPP-D035 | |
| Other | Urban | |
| Other | VAYA ELECTRIC SCOOTER | |
| Other | Vibee | |
| Other | WREN | |
| Other | XCM30 | |
| Other | x-go | |
| Other | XHK-800-4220 | 2nd Hand Li-Ion battery pack 36-42v for use on bicycle |
| Other | YC-UM-01 | |
| Other | ZBL210405LHCL201 5 | |
| Other | ZBL-SJB-004 | N/A |
| Other | ZBL-SJB-U004 | |
| Other | ZBL-SJB-U004 | |
| Other | zc620031974 | battery pack and charger may not be rated, to be used together. Battery 48v charge current <5A discharge <30A Charger 58.8 V = 2.0A 117.6W |
| Other | zero | |
| Other | zero | |
| SEDGWICK | scooter | |
| UP | unknown | |
| ZURICH | not known | |
| | | E Bike, charged to full earlier in the day, lent against a radiator heating on high. Overheating battery pack. Voilamart hub motor conversion. |
| | | Factory built e-bike, unknown manufacturer due to fire damage.. |
| | | Lime e-bike, thermal runaway on lithium-ion cell. Evidence of battery being forcibly removed from bike. |
| | | Lithium ion battery pack for an Ebike conversion kit |
| | | unknown age, Converted e-bike purchased via Face book market place |

| e-scooter data recorded | | |
|-------------------------|----------------------------|--|
| Appliance Manufacturer | Appliance Manufacturer | Appliance Manufacturer |
| A O SMITH | Unable to determine | See AFN |
| A O SMITH | unknown | Segway Ninebot scooter. |
| APOLLO | Phantom | |
| Other | ? | |
| Other | 0 | e-scooter on charge |
| Other | 0 | |
| Other | 20200316077 | |
| Other | 250W | |
| Other | B1 | |
| Other | Charger | |
| Other | citysports | |
| Other | DDHBC11NEB | |
| Other | DL-360W | |
| Other | ECO Plus | Zinc ECO Plus E-scooter |
| Other | fan | |
| Other | G2 Pro | |
| Other | G-Booster | Kugoo G-Booster e-scooter |
| Other | GTS PRO | |
| Other | HS8 | E-Moto Scooter - HS8 EX35001 Batch 1719/1 |
| Other | HT-T4 | no obvious brand of appliance |
| Other | Kirin ES2 electric scooter | |
| Other | L10 | Emanba L10 scooter |
| Other | L9 | Electric scooter make Ouxi model L9. No serial number |
| Other | L9 | |
| Other | M365 | |
| Other | M365 pro | |
| Other | M4 48v 18AH 500w | E scooter |

| | | |
|-------|----------------------------|---|
| Other | Mantis 10 | |
| Other | MI 15 | |
| Other | n/a | |
| Other | n/a | |
| Other | no brand | |
| Other | not know | Purchased second hand had owned for approx one week |
| Other | not known | e-unicycle found on LUL train and recorded as lost property |
| Other | not known | Gugoo E-scooter purchased from Amazon around two years ago. |
| Other | not known | MacWheel e-Scooter |
| Other | not known | no identifying marks, numbers or brand |
| Other | not known | Unbranded, battery powered, rechargeable scooter. |
| Other | not known | |
| Other | not known | |
| Other | not known | |
| Other | not known | |
| Other | not known | |
| Other | not known | |
| Other | not known | |
| Other | not known | |
| Other | Pro Max | further details have not been forwarded, not in use or on charge at the time of the the fire. |
| Other | R-CD 36V350W30302007070504 | |
| Other | Storm | |
| Other | T103 | E-Scooter Ultron T103, age unknown, purchased brand new from manufacturer |
| Other | T11Pro | |
| Other | T85 | |
| Other | unknown | E9T E-scooter. Brand Isinwheel. |
| Other | unknown | |
| Other | unknown | |
| Other | unknown | |
| Other | unknown | |
| Other | unknown | |
| Other | unknown | |
| Other | unknown | |

| | | |
|-------|---------|------------------|
| Other | unknown | |
| Other | unknown | |
| Other | unkown | |
| Other | unkown | |
| Other | x-60 | |
| | | Bought from Lidl |
| | | Electric scooter |

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](#).