

Data Request Reference: 2315

FOI 187 06 24

Request Theme: Electrical Fires

In order to collate the data for electrical fires the following methodology was used:

- Data was included where the ignition power was stated as electric and the main cause was stated as involving the fuel supply, a piece of equipment or an appliance.
- Vehicle fires were excluded.

Serial	Question	Response															
1	How many electrical fires has the service responded to in the last three years (between April 6-April 5 2021/22, 2022/23 and 2023/24)?	<table border="1"> <thead> <tr> <th data-bbox="703 719 916 790">Financial Year</th> <th data-bbox="916 719 1241 790">Number of Responses to Electrical Fires</th> </tr> </thead> <tbody> <tr> <td data-bbox="703 790 916 824">2021 to 2022</td> <td data-bbox="916 790 1241 824">158</td> </tr> <tr> <td data-bbox="703 824 916 857">2022 to 2023</td> <td data-bbox="916 824 1241 857">168</td> </tr> <tr> <td data-bbox="703 857 916 891">2023 to 2024</td> <td data-bbox="916 857 1241 891">154</td> </tr> <tr> <td data-bbox="703 891 916 925">Total</td> <td data-bbox="916 891 1241 925">480</td> </tr> </tbody> </table>	Financial Year	Number of Responses to Electrical Fires	2021 to 2022	158	2022 to 2023	168	2023 to 2024	154	Total	480					
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2	Of these, how many incidents were in domestic properties and how many commercial? Broken down by year.	<table border="1"> <thead> <tr> <th data-bbox="703 976 906 1048">Financial Year</th> <th data-bbox="906 976 1106 1048">Commercial</th> <th data-bbox="1106 976 1315 1048">Domestic</th> </tr> </thead> <tbody> <tr> <td data-bbox="703 1048 906 1081">2021 to 2022</td> <td data-bbox="906 1048 1106 1081">49</td> <td data-bbox="1106 1048 1315 1081">109</td> </tr> <tr> <td data-bbox="703 1081 906 1115">2022 to 2023</td> <td data-bbox="906 1081 1106 1115">64</td> <td data-bbox="1106 1081 1315 1115">104</td> </tr> <tr> <td data-bbox="703 1115 906 1149">2023 to 2024</td> <td data-bbox="906 1115 1106 1149">49</td> <td data-bbox="1106 1115 1315 1149">105</td> </tr> <tr> <td data-bbox="703 1149 906 1182">Total</td> <td data-bbox="906 1149 1106 1182">162</td> <td data-bbox="1106 1149 1315 1182">318</td> </tr> </tbody> </table>	Financial Year	Commercial	Domestic	2021 to 2022	49	109	2022 to 2023	64	104	2023 to 2024	49	105	Total	162	318
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3	Of these incidents, how many were caused by electrical products? What were the other causes?	<p data-bbox="703 1211 1474 1308">Hereford and Worcester Fire and Rescue Service (HWFRS) record the main cause of the fire which indicates whether an electrical appliance was the cause.</p> <table border="1"> <thead> <tr> <th data-bbox="703 1346 1145 1417">Main Cause</th> <th data-bbox="1145 1346 1474 1417">Number of Occurrences</th> </tr> </thead> <tbody> <tr> <td data-bbox="703 1417 1145 1489">Fault in equipment or appliance</td> <td data-bbox="1145 1417 1474 1489">246</td> </tr> <tr> <td data-bbox="703 1489 1145 1570">Faulty fuel supply - electricity</td> <td data-bbox="1145 1489 1474 1570">166</td> </tr> <tr> <td data-bbox="703 1570 1145 1650">Faulty leads to equipment or appliance</td> <td data-bbox="1145 1570 1474 1650">28</td> </tr> <tr> <td data-bbox="703 1650 1145 1756">Negligent use of equipment or appliance (heat source)</td> <td data-bbox="1145 1650 1474 1756">40</td> </tr> </tbody> </table>	Main Cause	Number of Occurrences	Fault in equipment or appliance	246	Faulty fuel supply - electricity	166	Faulty leads to equipment or appliance	28	Negligent use of equipment or appliance (heat source)	40					
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4	<p>What were the 5 most common products to cause electrical fires for each year?</p>	<p>HWFRS record the main source of ignition which gives information about the appliance type. Where the main cause was Fault in equipment or appliance or Faulty leads to equipment or appliance, the top five appliances are show in the tables below for each financial year. Where different appliances have scored the same they have been given a joint position in the top five.</p> <p>Financial Year 2021 to 2022:</p> <table border="1" data-bbox="703 528 1473 1191"> <thead> <tr> <th>Top Five Position</th> <th>Appliance</th> <th>Number of Occurrences</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Tumble dryer</td> <td>12</td> </tr> <tr> <td>2</td> <td>Apparatus, batteries, generators</td> <td>8</td> </tr> <tr> <td>3</td> <td>Cooking appliance - Cooker incl. oven</td> <td>4</td> </tr> <tr> <td rowspan="2">4</td> <td>Heating equipment - Other heating equipment</td> <td>3</td> </tr> <tr> <td>Battery charger</td> <td>3</td> </tr> <tr> <td rowspan="3">5</td> <td>Other domestic style appliance - Washer/Dryer combined</td> <td>2</td> </tr> <tr> <td>Heating equipment - Separate water heating</td> <td>2</td> </tr> <tr> <td>Other domestic style appliance - Washing machine</td> <td>2</td> </tr> </tbody> </table> <p>Financial Year 2022 to 2023:</p> <table border="1" data-bbox="703 1328 1473 1957"> <thead> <tr> <th>Top Five Position</th> <th>Appliance</th> <th>Number of Occurrences</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Tumble dryer</td> <td>11</td> </tr> <tr> <td>2</td> <td>Other domestic style appliance - Washing machine</td> <td>9</td> </tr> <tr> <td>3</td> <td>Apparatus, batteries, generators</td> <td>6</td> </tr> <tr> <td rowspan="2">4</td> <td>Other domestic style appliance - Fridge/Freezer</td> <td>4</td> </tr> <tr> <td>Battery charger</td> <td>4</td> </tr> <tr> <td rowspan="3">5</td> <td>Electric lighting - Other lights</td> <td>3</td> </tr> <tr> <td>Other domestic style appliance - Dishwasher</td> <td>3</td> </tr> <tr> <td>Cooking appliance - Cooker incl. oven</td> <td>3</td> </tr> </tbody> </table>	Top Five Position	Appliance	Number of Occurrences	1	Tumble dryer	12	2	Apparatus, batteries, generators	8	3	Cooking appliance - Cooker incl. oven	4	4	Heating equipment - Other heating equipment	3	Battery charger	3	5	Other domestic style appliance - Washer/Dryer combined	2	Heating equipment - Separate water heating	2	Other domestic style appliance - Washing machine	2	Top Five Position	Appliance	Number of Occurrences	1	Tumble dryer	11	2	Other domestic style appliance - Washing machine	9	3	Apparatus, batteries, generators	6	4	Other domestic style appliance - Fridge/Freezer	4	Battery charger	4	5	Electric lighting - Other lights	3	Other domestic style appliance - Dishwasher	3	Cooking appliance - Cooker incl. oven	3
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6	How many injuries (serious and slight) has the service recorded as a result of electrical fires during the same period?	HWFRS records multiple levels of injury severity. No serious injuries were recorded. <table border="1" data-bbox="703 1263 1439 1776"> <thead> <tr> <th data-bbox="703 1263 975 1330">Injury Severity Category</th> <th data-bbox="975 1263 1129 1330">2021 to 2022</th> <th data-bbox="1129 1263 1284 1330">2022 to 2023</th> <th data-bbox="1284 1263 1439 1330">2023 to 2024</th> </tr> </thead> <tbody> <tr> <td data-bbox="703 1330 975 1433">Precautionary check recommended</td> <td data-bbox="975 1330 1129 1433">2</td> <td data-bbox="1129 1330 1284 1433">3</td> <td data-bbox="1284 1330 1439 1433">5</td> </tr> <tr> <td data-bbox="703 1433 975 1500">First aid given at scene</td> <td data-bbox="975 1433 1129 1500">2</td> <td data-bbox="1129 1433 1284 1500">1</td> <td data-bbox="1284 1433 1439 1500">2</td> </tr> <tr> <td data-bbox="703 1500 975 1641">Victim went to hospital, injuries appear to be Slight</td> <td data-bbox="975 1500 1129 1641">4</td> <td data-bbox="1129 1500 1284 1641">6</td> <td data-bbox="1284 1500 1439 1641">3</td> </tr> <tr> <td data-bbox="703 1641 975 1776">Victim went to hospital, injuries appear to be Serious</td> <td data-bbox="975 1641 1129 1776">0</td> <td data-bbox="1129 1641 1284 1776">0</td> <td data-bbox="1284 1641 1439 1776">0</td> </tr> </tbody> </table>	Injury Severity Category	2021 to 2022	2022 to 2023	2023 to 2024	Precautionary check recommended	2	3	5	First aid given at scene	2	1	2	Victim went to hospital, injuries appear to be Slight	4	6	3	Victim went to hospital, injuries appear to be Serious	0	0	0		
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