

Fire Start Report (F - Factor) 2012



United Energy Fire Start Report (F – Factor) 2012

This fire start report has been compiled by United Energy to comply with a request from the Australian Energy Regulator (AER) under clause 5 of the F-Factor Scheme Order 2011.



1 PURPOSE

The purpose of the fire start report is to comply with the request from the AER dated 27 August 2012 under clause 5 of the F-Factor Scheme Order 2011. This request is included within this report as "Attachment A".

Please note that although the information contained in the Fire Start Report is correct to the best United Energy's knowledge, the information regarding the timing and location of fires and the element of the network that caused the fire has been obtained from a variety of sources and United Energy cannot confirm the accuracy of the information.

The inclusion of this information is not an admission that individual fires actually occurred or an admission as to their causes. Further, the information contained in the Fire Start Report should not be taken as an admission of legal liability of any kind in relation to any of the individual fires listed in the report."

2 SCOPE

This report contains fires that have emanated from, or as a result of coming into contact with the United Energy (UE) electricity network assets from 00:00hrs on the 1 January 2012 to 24:00hrs on the 31 December 2012

3 DEFINITIONS

Australian Energy Regulator (AER)	The AER is Australia's national energy market regulator and an independent statutory authority.
F-Factor Scheme	On 23 June 2011, the Victorian Government introduced an 'f-factor scheme' This scheme is intended to provide incentives for Distribution Network Service Providers (DNSPs) to reduce the risk of fire starts and to reduce the risk of loss or damage caused by fire starts.
F-Factor Event	See section 4
Fire	For the purposes of Fire start (F-Factor) reporting a fire is defined as having heat, light and flames that are occur when something burns
Service Provider (SP)	An organisation contracted by UE to provide infrastructure services, this includes the UE call centre, dispatch, NCC and field crews
United Energy (UE)	The owner of the electrical distribution network in the southern and eastern suburbs of Melbourne and the Mornington Peninsula.
UE Events	Any outages, faults and requests inputted into the UE DMS that require a response from UE.
UE Distribution Management System (DMS)	The UE DMS records all events that are communicated to the UE call centre, UE dispatch, the UE NCC (including automated events on the HV network where devices have operated) that require investigation.

4 F-FACTOR EVENTS

The Victorian Distribution Network Service Providers (DNSP) jointly issued a memorandum dated the 30th March 2012 to AER providing guidance to what they considered constituted an F-Factor event under the F-Factor Scheme.

This memorandum is included in this report as "Attachment B" and was used by UE to determine any F-Factor event.

5 SUMMARY

F-Factor Events by Fire Hazard Rating

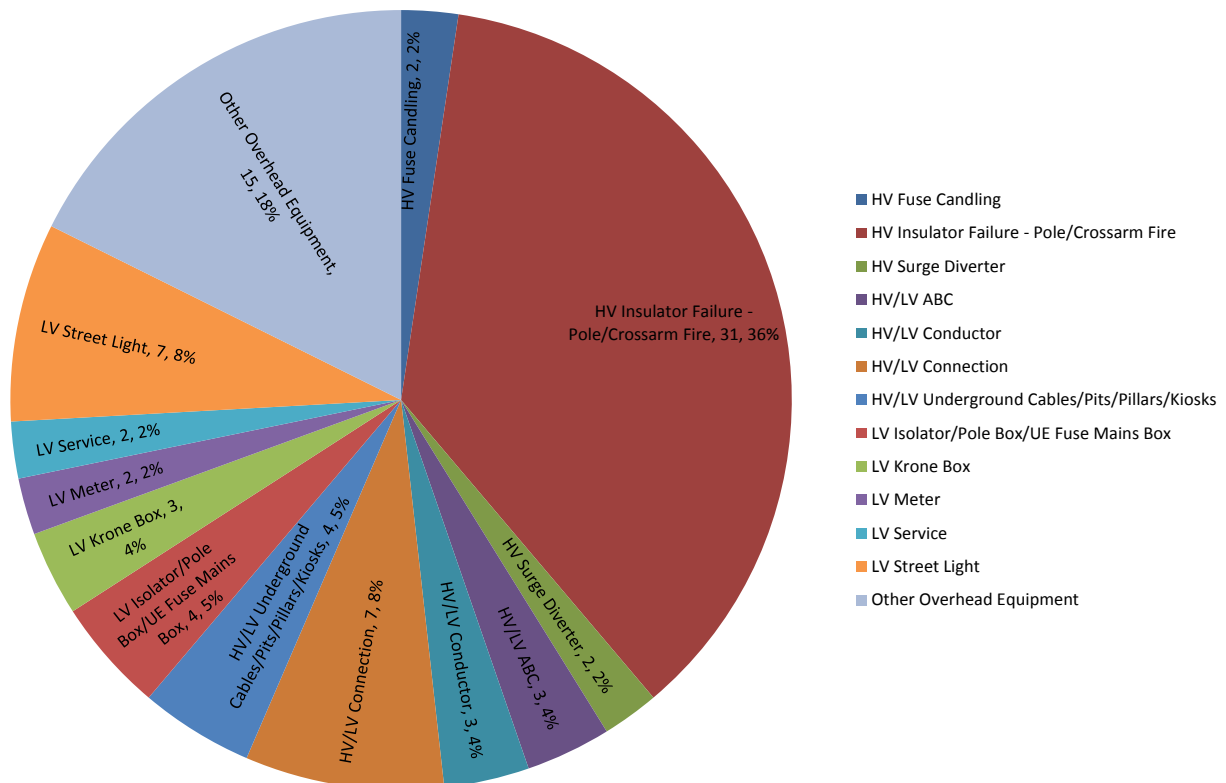
	Number of Events	% of Events
Hazardous Bushfire Risk Area (HBRA)	6	14%
Low Bushfire Risk Area (LBRA)	79	86%
Total F-Factor Events	85	100%

F-Factor Events by Equipment Type

F-Factor Events	Number of Events	% of Events
HV Fuse Candling	2	2%
HV Insulator Failure - Pole/Crossarm Fire	31	36%
HV Surge Diverter	2	2%
HV/LV ABC	3	4%
HV/LV Conductor	3	4%
HV/LV Connection	7	8%
HV/LV Underground Cables/Pits/Pillars/Kiosks	4	5%
LV Isolator/Pole Box/UE Fuse Mains Box	4	6%
LV Krone Box	3	4%
LV Meter	2	2%
LV Service	2	2%
LV Street Light	7	8%
Other Overhead Equipment*	15	17%
Total F-Factor Events	85	100%

* Other Overhead Equipment includes contact by vegetation, birds or animals

Count of Fire Start by Equipment



6 Attachment A – AER REQUEST FOR INFORMATION



Our Ref: 48098
Contact Officer: David Chan or Paul Michel
Contact Phone: 9290 1446 or 9290 6946

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Melbourne VIC 3001
Telephone: (03) 9290 1444
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27 August 2012

Mr Hugh Gleeson
Chief Executive Officer
United Energy Distribution Pty Ltd
Level 3, 501 Blackburn Road
Mount Waverley 3149

Dear Mr Gleeson,

Request for Fire Start Reports under clause 5 of the F-Factor Scheme Order 2011

The AER has been given the power to request that Victorian DNSPs submit fire start reports under clause 5(1) of the *F-Factor Scheme Order 2011* (the Order). Such reports are also required to be published. A copy of clause 5 of the Order is attached to this letter.

Fire start reports that disclose information on fires associated with electricity assets will complement the operation of the f-Factor scheme which provides rewards and penalties to DNSPs to minimise the number of fire starts in their distribution areas. The AER considers that making fire start information available to the public is consistent with the intent of the f-Factor scheme.

In accordance with clauses 5(1) and (2) of the Order, the AER requests that each Victorian DNSP submit a fire start report to the AER by 31 March each year relating to the outcomes of the previous regulatory year. The first fire start report is due by 31 March 2013 for the 2012 regulatory year. Subsequent reports will be due by 31 March 2014 for the 2013 year, 31 March 2015 for the 2014 year and 31 March 2016 for the 2015 year. The AER must publish the reports in accordance with clause 5(5) of the Order.

On 3 May 2012, the AER wrote to key stakeholders—the Victorian Electricity Distribution Network Service Providers (DNSP), the Department of Primary Industries, Energy Safe Victoria, the Country Fire Authority, the Melbourne Fire Brigade and the Victorian Department of Sustainability and Environment—seeking comments on the proposed content of fire start reports.

After considering comments received from stakeholders, the AER has decided on the minimum content of the fire start reports to be submitted by the DNSPs. At this stage, it is not considered necessary to develop a guideline for this purpose, however, the AER will consider the need for a guideline at a later stage.

As a minimum, each DNSP's fire start report should contain the following information:

- An explanation of the definition of a fire start

- Summary (aggregate) tables showing the percentage and actual number of the fire starts in the following categories:
 - Fire Hazard Rating assigned by the Country Fire Authority or Melbourne Fire Brigade under section 80 of the *Electricity Safety Act 1998* (Vic);
 - element of the network that caused the fire, such as equipment type, feeder classification, voltage level

Note: A description/explanation of the equipment type, feeder classification etc should be also provided.

- a table of all fire starts—showing, in each case, the kind of fire start (as per the AER's f-factor scheme determination), date, time, geographic location of the fire and whether the fire was reported to a relevant authority.

The AER's contacts for this matter are Mr David Chan and Mr Paul Michel. David Chan may be contacted by email to david.chan@aer.gov.au, or by telephone on (03) 9290 1446; Paul Michel may be contacted by email to paul.michel@aer.gov.au, or by telephone on (03) 9290 6946.

Yours sincerely



Chris Pattas
General Manager
Network Operations and Development

cc. CFA, MFB, DSE, ESV, DPI

Attachment: clause 5 of the Order

5. Fire start reports

- (1) The AER may request from a Distribution Network Service Provider a report of fire starts for the previous regulatory year (a fire start report).*
- (2) The AER's request must be in writing and must specify when the fire start report is to be provided which shall be no later than 31 March in each year.*
- (3) A fire start report must –*
 - (a) be in the form that the AER from time to time specifies; (b) if the Distribution Network Service Provider is the service provider in relation to more than one distribution system, distinguish between distribution systems;*
 - (c) list all fire starts for the previous regulatory year, stating in each case and where known what kind of fire start it was and the date, time and location of the fire;*
 - (d) state whether the fire was reported to a relevant entity; and*
 - (e) include such other information as the AER may from time to time specify.*

Note: Clause 4(1) specifies the various kinds of fire starts.

- (4) The AER may develop and publish guidelines as to the form of and information to be included in a fire start report.*
- (5) The AER must publish a fire start report.*
- (6) This clause does not prevent or limit the AER serving a regulatory information notice or making a regulatory information order.*

7 Attachment B – F-FACTOR GUIDANCE

For Information

Subject: Definition of a fire start under the f-factor scheme

**Explanatory note for the AER from the
Victorian electricity distributors**

Date: 30th March 2012

Purpose of this memorandum

The AER has released its final decision on the f-factor scheme for Victorian electricity distributors. The f-factor scheme determinations cover the period from 2012 to 2015, and an f-factor target is applicable to each year of the four-year interval.

This memorandum represents the consensus view of the five Victorian electricity distributors on the manner of fire start reporting under the f-factor scheme. The conventions discussed in the document are consistent with those that were applied by the businesses when responses were being prepared to the f-factor Regulatory Information Notice. The businesses propose to follow the definitions that are set out in the following sections.

Definition of a fire

- **Normal arcing and sparking**
 - Arcing and sparking are commonly observed as a result of faults, or may be symptomatic of the normal functioning of the distribution network. Arcing or sparking does not give rise to flame, unless the heat ignites combustible material, in which case a fire should be reported.
- **Melting**
 - Most of the materials used in the construction of the electrical elements of the network do not sustain fire, but may melt if subjected to heat. The heat may result from high electrical load, or local overloading. Flames will not normally be evident unless other combustible material is ignited, in which case a fire should be reported.
- **Smoking**
 - Smoke may be emitted due to local heating caused by a range of factors, in circumstances in which the temperature is not raised sufficiently to produce flame. The existence of smoke without flame may result in singeing or charring, but the incident will not generally be classified as a 'fire'.
- **Local charring or blackening**
 - Local charring or blackening is frequently observed during routine maintenance. The charring may not be sufficiently widespread as to provide evidence of the past occurrence of heat, light and flames. Charring which is limited in scale will not generally be classified as a 'fire'.

For Information

Proposed treatment of fires by category

Cause	Description	Proposed treatment
Trees and/or Bark contacting live wires	<p>Includes contact by:</p> <ul style="list-style-type: none"> Trees or parts of trees outside the clearance space, which have fallen onto wires. Trees which are managed by other responsible persons (such as councils) and that have grown into the clearance space. Windborne bark or parts of trees that have made contact with overhead lines. 	Singeing/burning at the point of contact is not regarded as being a fire.
Clashing/Arcing/Sparking/Lightning	<p>Arcing and sparking are commonly associated with faults, but are not generally the cause of the fault. Incidents of arcing and sparking can be reported as fires by members of the public, and will also occur during normal network functions such as fuse operations.</p> <p>Conductor clashing and lightning are not regarded as being fires in their own right.</p>	These events will be categorised as fires if there is evidence of a fire in vegetation, or elsewhere, the cause of which can be directly ascribed to arcing, sparking, lightning and/or clashing. However, arcing and sparking will not normally give rise to a fire or fire start.
Possum/Bird/Animal/Crow/Magpie	Contact with high voltage devices by birds and animals typically results in a fire as the burning bird/animal falls to the ground. It is also possible that arcing or fuse operations resulting from the contact could cause a fire start.	Incidents of this type will be enumerated as fires if there is evidence of a fire in vegetation or elsewhere that can be directly attributed to the burnt animal or bird. An animal that makes a connection with an HV device will not ordinarily cause a fire.
High Voltage Fuses/Surge Diverters	HV fuse operations have been linked with fires historically, as have surge diverter failures.	A fire should be recorded if there is firm evidence of burning in a piece of apparatus, such as a high voltage expulsion drop-out fuse. The apparatus would need to have been destroyed by fire. More generally, however, HV fuse operations should be excluded from consideration unless there is evidence of a fire in vegetation or elsewhere that can be definitively traced to the fault.
HV Conductor/Connectors/Joints	A conductor or a joint/connector failure may cause arcing at the point of failure, or at another point which makes contact with combustible material on the ground.	A fire should be recorded if evidence of a flame can be found at ground level, but not otherwise.
Burn/Burnt (mostly leads)	This kind of report originates from an asset failure that causes burning, typically of the insulation surrounding bridging and connecting leads.	Damage of this type should be exempted from consideration unless there is evidence of a fire that, either destroys part of the asset, or else occurs in

For Information

For Information

Cause	Description	Proposed treatment
	Note that the terms burnt, burnt out, and blown (up) are common industry jargon and do not represent a 'fire'.	vegetation, or elsewhere, and can be directly attributed to the burnt material.
Melting (Mainly Boxes)	This type of report refers to melting of plastic parts, normally due to overheating of connections or internal contacts, etc.	Evidence of melting will not normally be written down as a fire, unless there are firm indications of fire in the surrounding vegetation or infrastructure, and the causes of fire can be directly attributed to the melted material.

8 Attachment C – F-Factor Events 2012

	Date	Time	Location	Fire Start by Equipment	Kind of Fire Start by F-factor Order - Clause 4	Reported to a relevant entity?
Fire Start 1	02/01/2012	18:00	Station St, Chelsea	HV/LV Connection	Otherwise started by a distribution system	Yes - ESV
Fire Start 2	04/01/2012	08:05	Browns Rd, Rye	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 3	04/01/2012	08:30	Nepean Hwy, Mordialloc	HV/LV Conductor	Otherwise started by a distribution system	Yes - ESV
Fire Start 4	04/01/2012	08:15	Highview Grove, East Burwood	Other Overhead Equipment	Lightning striking a distribution system	Yes - ESV
Fire Start 5	06/01/2012	11:24	Palmerston Ave, Dromana	HV Surge Diverter	Otherwise started by a distribution system	Yes - ESV
Fire Start 6	08/01/2012	02:00	Boundary Rd, Braeside	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 7	08/01/2012	05:44	Wooton Crescent, Rosebud	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 8	14/01/2012	21:03	Nepean Hwy, Cheltenham	LV Street Light	Otherwise started by a distribution system	Yes - ESV
Fire Start 9	17/01/2012	10:12	Kalimna Ave, Mulgrave	HV/LV Connection	Otherwise started by a distribution system	Yes - ESV
Fire Start 10	18/01/2012	13:40	Jacks Rd, Dingley	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 11	20/01/2012	11:21	Old Dandenong Rd, Clarinda	Other Overhead Equipment	Started by any person, bird, reptile or other	Yes - ESV
Fire Start 12	23/01/2012	17:41	Jabiru Dr, Chelsea	HV/LV Connection	Otherwise started by a distribution system	Yes - ESV
Fire Start 13	29/01/2012	13:16	Princess Hwy, Eumemmering	Other Overhead Equipment	tree, or part of a tree, falling on system	Yes - ESV
Fire Start 14	30/01/2012	13:24	Beach Hill Ave, Somers	Other Overhead Equipment	Lightning striking a distribution system	Yes - ESV
Fire Start 15	30/01/2012	03:21	Heatherton Rd, Dandenong	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 16	30/01/2012	07:59	Jappady St, Mordialloc	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 17	30/01/2012	04:21	Canterbury Rd, Blackburn South	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 18	31/01/2012	04:50	Jappady St, Mordialloc	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 19	05/02/2012	11:39	Stephensons Rd, Mt Waverley	Other Overhead Equipment	Tree, or part of a tree, falling on system	Yes - ESV
Fire Start 20	11/02/2012	01:28	Clow St, Dandenong	LV Service	Otherwise started by a distribution system	Yes - ESV
Fire Start 21	11/02/2012	12:28	Springvale Zone Substation	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 22	16/02/2012	23:55	Warley Rd, Malvern East	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 23	24/02/2012	11:27	Racecourse Rd, Mornington	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 24	25/02/2012	13:00	22 Stockmans Drive, Vermont Sth	LV Isolator/Pole Box/UE Fuse Mains Box	Otherwise started by a distribution system	Yes - ESV
Fire Start 25	25/02/2012	15:54	Barlyn Rd, Mt Waverley	LV Service	Otherwise started by a distribution system	Yes - ESV
Fire Start 26	27/02/2012	10:49	Shelley St, Elwood	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 27	02/03/2012	10:47	Mornington-Flinders Rd, Flinders	HV Fuse Candling	Otherwise started by a distribution system	Yes - ESV
Fire Start 28	02/03/2012	10:45	Garden Rd, Mulgrave	Other Overhead Equipment	Tree, or part of a tree, falling on system	Yes - ESV
Fire Start 29	09/03/2012	15:00	Heatherton Rd, Endeavour Hills	HV/LV Underground Cables/Pits/Pillars/Kiosks	Otherwise started by a distribution system	Yes - ESV
Fire Start 30	14/03/2012	10:34	Glendale Rd, Hastings	LV Krone Box	Otherwise started by a distribution system	Yes - ESV

	Date	Time	Location	Fire Start by Equipment	Kind of Fire Start by F-factor Order - Clause 4	Reported to a relevant entity?
Fire Start 31	14/03/2012	18:24	Glenisla Dr, Mount Martha	LV Isolator/Pole Box/UE Fuse Mains Box	Otherwise started by a distribution system	Yes - ESV
Fire Start 32	14/03/2012	08:06	Carlisle St, Balaclava	HV/LV Connection	Otherwise started by a distribution system	Yes - ESV
Fire Start 33	20/03/2012	20:00	Tooronga Rd, Glen Iris	LV Street Light	Otherwise started by a distribution system	Yes - ESV
Fire Start 34	23/03/2012	13:04	Jells Rd, Wheelers Hill	Other Overhead Equipment	Tree, or part of a tree, falling on system	Yes - ESV
Fire Start 35	14/04/2012	20:42	George St, Sandringham	Other Overhead Equipment	Started by any person, bird, reptile or other	Yes - ESV
Fire Start 36	15/04/2012	00:53	Cochrane St, Mitcham	HV/LV Connection	Otherwise started by a distribution system	Yes - ESV
Fire Start 37	26/05/2012	13:00	Almond Bush St, Somerville	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 38	18/06/2012	12:40	Rusden St, Elsternwick	LV Meter	Otherwise started by a distribution system	Yes - ESV
Fire Start 39	22/06/2012	01:47	High Street, Burwood	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 40	29/06/2012	03:06	Nepean Hwy, Chelsea	LV Street Light	Otherwise started by a distribution system	Yes - ESV
Fire Start 41	02/07/2012	17:40	Ocean Drive, St Andrews Beach	HV/LV ABC	Otherwise started by a distribution system	Yes - ESV
Fire Start 42	05/08/2012	07:02	Warrigal Rd, Glen Iris	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 43	08/08/2012	22:19	Boundary Rd, Braeside	LV Street Light	Otherwise started by a distribution system	Yes - ESV
Fire Start 44	27/08/2012	23:16	Petty's Lane, Doncaster	LV Street Light	Otherwise started by a distribution system	Yes - ESV
Fire Start 45	29/08/2012	07:02	Templewood Ave, Noble Park	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 46	31/08/2012	19:38	Dickens St, Elwood	LV Street Light	Otherwise started by a distribution system	Yes - ESV
Fire Start 47	02/09/2012	13:32	Station St, Cheltenham	HV/LV Connection	Otherwise started by a distribution system	Yes - ESV
Fire Start 48	05/09/2012	13:19	Mac Crescent, Parkdale	Other Overhead Equipment	Tree, or part of a tree, falling on system	Yes - ESV
Fire Start 49	05/09/2012	13:29	Park Rd, Donvale	HV Fuse Candling	Otherwise started by a distribution system	Yes - ESV
Fire Start 50	05/09/2012	20:30	Station St, Carrum	LV Isolator/Pole Box/UE Fuse Mains Box	Otherwise started by a distribution system	Yes - ESV
Fire Start 51	08/09/2012	10:59	Norfolk Cres, Frankston	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 52	14/10/2012	12:15	Warrigal Rd, Ashburton	LV Street Light	Otherwise started by a distribution system	Yes - ESV
Fire Start 53	23/10/2012	01:50	Currie Ave, Endeavour Hills	HV/LV Underground Cables/Pits/Pillars/Kiosks	Otherwise started by a distribution system	Yes - ESV
Fire Start 54	25/10/2012	18:15	Springvale Rd, Glen Waverley	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 55	25/10/2012	19:43	Frank St, Noble Park	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 56	25/10/2012	20:40	Aberdeen St, Blackburn South	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 57	27/10/2012	13:00	Elliott Cres, Dingley	LV Meter	Otherwise started by a distribution system	Yes - ESV
Fire Start 58	30/10/2012	11:00	Cochranes Rd, Moorabbin	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 59	17/11/2012	09:47	Murray Road, Dandenong	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 60	17/11/2012	16:59	Chandos St, Cheltenham	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV

	Date	Time	Location	Fire Start by Equipment	Kind of Fire Start by F-factor Order - Clause 4	Reported to a relevant entity?
Fire Start 61	18/11/2012	11:14	Arnold St, Box Hill	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 62	19/11/2012	16:19	Wilks St, Malvern	Other Overhead Equipment	tree, or part of a tree, falling on system	Yes - ESV
Fire Start 63	27/11/2012	15:31	Taunton Drive, Cheltenham	HV Surge Diverter	Otherwise started by a distribution system	Yes - ESV
Fire Start 64	29/11/2012	14:13	Argyle Av, Chelsea	HV/LV Conductor	Otherwise started by a distribution system	Yes - ESV
Fire Start 65	29/11/2012	17:27	Bright St, Brighton East	LV Krone Box	Otherwise started by a distribution system	Yes - ESV
Fire Start 66	29/11/2012	20:52	Melbourne Rd, Sorrento	HV/LV Connection	Otherwise started by a distribution system	Yes - ESV
Fire Start 67	01/12/2012	01:44	Harfluer Ave, Beaumaris	Other Overhead Equipment	Started by any person, bird, reptile or other	Yes - ESV
Fire Start 68	03/12/2012	02:44	Arthur St, Hastings	LV Isolator/Pole Box/UE Fuse Mains Box	Otherwise started by a distribution system	Yes - ESV
Fire Start 69	04/12/2012	04:17	Wooralla Drive, Mt Eliza	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 70	05/12/2012	17:44	Merricks Rd, Merricks	HV/LV ABC	Otherwise started by a distribution system	Yes - ESV
Fire Start 71	06/12/2012	02:00	Heatherdale Rd, Vermont	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 72	08/12/2012	14:30	Victoria Street, Brighton	Other Overhead Equipment	Tree, or part of a tree, falling on system	Yes - ESV
Fire Start 73	11/12/2012	17:51	Church Rd, Doncaster	HV/LV ABC	Otherwise started by a distribution system	Yes - ESV
Fire Start 74	13/12/2012	11:23	Purdy Ave, Dandenong	HV/LV Conductor	Otherwise started by a distribution system	Yes - ESV
Fire Start 75	13/12/2012	23:07	Nepean Hwy, Parkdale	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 76	14/12/2012	16:34	Davanzo St, Clayton South.	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 77	18/12/2012	04:02	High Street Rd, Wantirna South	Other Overhead Equipment	Started by any person, bird, reptile or other	Yes - ESV
Fire Start 78	18/12/2012	14:15	Raymond Cres, Dromana	Other Overhead Equipment	Tree, or part of a tree, falling on system	Yes - ESV
Fire Start 79	21/12/2012	08:30	Paul St, Doncaster	HV/LV Underground Cables/Pits/Pillars/Kiosks	Otherwise started by a distribution system	Yes - ESV
Fire Start 80	22/12/2012	12:10	Barkly St, St Kilda	Other Overhead Equipment	Started by any person, bird, reptile or other	Yes - ESV
Fire Start 81	23/12/2012	19:05	Bethall Ave, Mentone	LV Krone Box	Otherwise started by a distribution system	Yes - ESV
Fire Start 82	28/12/2012	01:23	Morris St, Tootgarook	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 83	28/12/2012	10:12	Middleborough Rd, Box Hill North	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 84	28/12/2012	10:53	Moselle St, Mont Albert	HV Insulator Failure - Pole/Crossarm Fire	Otherwise started by a distribution system	Yes - ESV
Fire Start 85	31/12/2012	18:58	Alex Ave, Glen Waverley	HV/LV Underground Cables/Pits/Pillars/Kiosks	Otherwise started by a distribution system	Yes - ESV