

19 April 2016

Mr Chris Pattas
General Manager Network Operations & Development
Australian Energy Regulator
GPO Box 520
MELBOURNE VIC 3001

By email: Chris.Pattas@er.gov.au
Cc: David.Chan@er.gov.au

Dear Chris,

Request for Fire start reports under clause 5 of the F-Factor Scheme Order 2011

Please find attached AusNet Services' response to the Australian Energy Regulator's (AER) letter dated 27 August 2012, requesting the submission of fire start outcomes for the latest completed reporting year.

The fire start report for AusNet Services for 2015 is set out in Attachment 1.

It should be noted that the information in these reports is currently under external audit as per the Fire Factor Regulatory Notice (RIN), due to the AER by 30 April 2016.

Should you have any queries in relation to this matter, please do not hesitate to contact Phil Bryant, Network Safety Manager on 9695 6219, or by email to phillip.bryant@ausnetservices.com.au.

Yours sincerely



Anh Mai
Manager Economic Regulation

Attachment 1

AusNet Services' Electricity Networks Fire Start Report for 2015

1. Background

In accordance with clause 5(1) of the F-Factor Scheme 2011 (the **Order**), the Australian Energy Regulator (**AER**) has requested the provision of the following fire start report. A fire start report is required to be provided to the AER by the 31 March of each year that contains a summary of network related fire incidents, as defined in the Order, for the previous regulatory year.

AusNet Services' Electricity Safety Management Scheme (ESMS) and Bushfire Mitigation Plan include network design, operation and maintenance programs that are targeted toward the reduction of fire start incidents.

2. Definitions

AusNet Services fire start report relies upon the following definitions;

Bushfire Risk Area – As determined by the Country Fire Authority in accordance with Section 80 of the Electricity Safety Act 1998 which require the assigning of a fire hazard rating for an area of 'high' or 'low'

Feeder Classification – AusNet Services has utilised the feeder classifications that have been defined for the service target performance incentive scheme (STPIS). Feeders are classified as central business district (CBD), Urban, Rural Short or Rural Long.

AusNet Services' network contains only Urban, Rural Short and Rural Long feeders. The STPIS definitions are:

- (a) Urban – not a CBD feeder, with actual maximum demand over the reporting period per total feeder route length greater than 0.3 MVA/km;
- (b) Rural short – not a CBD or Urban feeder with a total feeder route length less than 200km; *and*
- (c) Rural long – not a CBD or Urban feeder with a total feeder route length greater than 200km.

Fire Hazard Rating – Country Fire Authority fire danger ratings as published daily on the CFA website

Fire Start by Asset - In accordance with the categories defined in the Australian Energy Regulator's Regulatory Information Notice (RIN) fire start reporting template

Fire Start by Category – In accordance with the categories defined in the Australian Energy Regulator's Regulatory Information Notice (RIN) fire start reporting template.

Kind of Fire Start - In accordance with the categories defined in the Australian

Energy Regulator's Regulatory Information Notice (RIN) for fire start reporting. These categories are derived from section 4 of the F-Factor Scheme Order in Council 2011.

3. Number of Fire Starts

The tables below summarise AusNet Services fire starts for 2015 showing actual number and percentage in the following categories:

- CFA Fire Hazard Rating
- Bushfire Risk Area
- Feeder Classification
- Fire Start by Category
- Kind of Fire Start
- Fire Start by Asset

Table 1: Number of fire starts by CFA Fire Hazard Rating

CFA Fire Hazard Rating (weather conditions on the day of the fire)	No of Fires	% of Fires
Low-Moderate	58	48.3
High	28	23.3
Very High	7	5.8
Severe	4	3.3
Extreme	1	0.8
N/A	22	18.3
Total	120	100

Table 2: Number of fire starts by Bushfire Risk Area

Bushfire Risk Area	No of Fires	% of Fires
High Bushfire Risk Area (HBRA)	96	80.0
Low Bushfire Risk Area (LBRA)	24	20.0
Total	120	100

Table 3: Number of fire starts by Feeder Classification

Feeder Classification	No of Fires	% of Fires
URBAN	10	8.3
SHORT RURAL	52	43.3
LONG RURAL	57	47.5
Not Applicable (i.e. sub-transmission line, multiple feeders)	1	0.8
Total	120	100

Table 4: Number of fire starts by Category

Fire Start by Category	No of Fires	% of Fires
Asset failures resulting in asset fire (no grass/vegetation fire)	62	51.7
Asset failures resulting in grass/vegetation fire	27	22.5
Grass/vegetation fires from assets (non-asset failures)	6	5.0
Any other fire start	25	20.8
Total	120	100

Table 5: Number of fire starts by Kind of Fire Start

Kind of Fire Start	No of Fires	% of Fires
Started by any other thing forming part of or coming into contact with a distribution system	1	0.8
Started by any person, bird, reptile or other animal coming into contact with a distribution system	12	10.0
Started by any tree, or part of a tree, falling upon or coming into contact with a distribution system	17	14.2
Started by lightning striking a distribution system or a part of a distribution system	3	2.5
Otherwise started by a distribution system	87	72.5
Total	120	100

Table 6: Number of fire starts by Asset

Fire Start by Asset	No of Fires	% of Fires
Any fire triggered by any asset failure caused by Lightning	3	2.5
Fire starts in grass/vegetation resulting from animal contact with network assets	9	7.5
Fire starts in grass/vegetation resulting from other causes (vehicle strikes, vandalism, etc.)	0	0.0
Fire starts in grass/vegetation resulting from trees contacting network assets	14	11.7
HV Fuse Failure (including 'hang-ups' and 'candling')	48	40.0
Oil-filled plant	1	0.8
Other Assets	39	32.5
Pole and cross arm failure/fire (including 'smouldering' or 'smoke')	6	5.0
Total	120	100

4. Table of all Fire Starts

A table of all fire starts with details per the AER's F-Factor scheme determination is provided in Appendix 1. This table contains feeder names, dates and geographic location of the fires, fault descriptions and incident record numbers.

5. Appendix 1 – Table of all Fire Starts in 2015

	Date	Time	Location	Feeder ID	Network categorisation	High Bushfire Risk Area	Fire Start by ESV category	Fire Start by Asset	Kind of Fire Start by F-factor Order - Clause 4	CFA fire danger rating	Fire Danger period declared?	Estimated area burnt	Reported to a relevant entity?	Record Number
Fire Start 1	3/01/2015	15:25	Beaconsfield	OFR23	LONG RURAL	HBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from trees contacting network assets	Started by any tree, or part of a tree, falling upon or coming into contact with a distribution system	VERY-HIGH	Yes	55	Yes	214559
Fire Start 2	6/01/2015	17:57	South Morang	DRN23	LONG RURAL	HBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	HIGH	Yes	10	Yes	214591
Fire Start 3	12/01/2015	8:10	Benalla	WN6	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	N/A	Yes	0	Yes	214618
Fire Start 4	22/01/2015	13:42	Sale	SLE32	SHORT RURAL	LBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from animal contact with network assets	Started by any person, bird, reptile or other animal coming into contact with a distribution system	LOW-MODERATE	Yes	60	Yes	214727
Fire Start 5	25/01/2015	14:26	Sale	SLE31	LONG RURAL	HBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from trees contacting network assets	Started by any tree, or part of a tree, falling upon or coming into contact with a distribution system	N/A	Yes	150	Yes	214744
Fire Start 6	26/01/2015	19:13	Seymour	SMR3	LONG RURAL	HBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from trees contacting network assets	Started by any tree, or part of a tree, falling upon or coming into contact with a distribution system	HIGH	Yes	40	Yes	214747
Fire Start 7	28/01/2015	17:41	Ferntree Gully	OFR23	LONG RURAL	HBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	LOW-MODERATE	Yes	400	Yes	214772

	Date	Time	Location	Feeder ID	Network categorisation	High Bushfire Risk Area	Fire Start by ESV category	Fire Start by Asset	Kind of Fire Start by F-factor Order - Clause 4	CFA fire danger rating	Fire Danger period declared?	Estimated area burnt	Reported to a relevant entity?	Record Number
Fire Start 8	30/01/2015	12:54	Subtrans	HPS LINE	N/A	LBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from animal contact with network assets	Started by any person, bird, reptile or other animal coming into contact with a distribution system	N/A	Yes	600	Yes	214790
Fire Start 9	7/01/2015	20:53	Myrtleford	WN5	LONG RURAL	HBRA	Any other Fire Start	Other Assets	Started by any person, bird, reptile or other animal coming into contact with a distribution system	N/A	Yes	0	Yes	214603
Fire Start 10	9/01/2015	1:06	Swifts Creek	BDL8	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	HIGH	Yes	0	Yes	214610
Fire Start 11	10/01/2015	4:27	Seymour	KMS1	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	Pole and cross arm fire (including 'smouldering' or 'smoke')	Otherwise started by a distribution system	LOW-MODERATE	Yes	0	Yes	214613
Fire Start 12	26/01/2015	17:28	Myrtleford	MYT2	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	HIGH	Yes	0	Yes	214746
Fire Start 13	5/02/2015	20:01	Wonthaggi	WGI23	SHORT RURAL	HBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	LOW-MODERATE	Yes	210	Yes	214870
Fire Start 14	5/02/2015	9:07	Traralgon	TGN41	LONG RURAL	HBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	LOW-MODERATE	Yes	0.1	Yes	214841
Fire Start 15	9/02/2015	15:05	Leongatha	LGA22	SHORT RURAL	HBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from trees contacting network assets	Started by any tree, or part of a tree, falling upon or coming into contact with a distribution system	HIGH	Yes	150	Yes	214901

	Date	Time	Location	Feeder ID	Network categorisation	High Bushfire Risk Area	Fire Start by ESV category	Fire Start by Asset	Kind of Fire Start by F-factor Order - Clause 4	CFA fire danger rating	Fire Danger period declared?	Estimated area burnt	Reported to a relevant entity?	Record Number
Fire Start 16	11/02/2015	4:57	Moe	MOE32	SHORT RURAL	HBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from animal contact with network assets	Started by any person, bird, reptile or other animal coming into contact with a distribution system	LOW-MODERATE	Yes	2	Yes	214950
Fire Start 17	11/02/2015	19:18	Wodonga	WOTS11	LONG RURAL	HBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from trees contacting network assets	Started by any tree, or part of a tree, falling upon or coming into contact with a distribution system	HIGH	Yes	80	Yes	214940
Fire Start 18	13/02/2015	16:20	Lilydale	LDL14	SHORT RURAL	HBRA	Grass/vegetation fires from assets (non-asset failures)	Any fire triggered by any asset failure caused by Lightning	Started by lightning striking a distribution system or a part of a distribution system	N/A	Yes	40	Yes	214981
Fire Start 19	20/02/2015	15:10	Wodonga	WOTS11	LONG RURAL	HBRA	Asset failures resulting in grass/vegetation fire	HV Fuse	Otherwise started by a distribution system	HIGH	Yes	30	Yes	215089
Fire Start 20	21/02/2015	17:18	Lilydale	CYN21	URBAN	LBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	HIGH	Yes	0.5	Yes	215090
Fire Start 21	22/02/2015	19:40	Beaconsfield	OFR23	LONG RURAL	HBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from trees contacting network assets	Started by any tree, or part of a tree, falling upon or coming into contact with a distribution system	HIGH	Yes	1	Yes	215093
Fire Start 22	1/02/2015	7:49	Ferntree Gully	SFS1	SHORT RURAL	HBRA	Any other Fire Start	Other Assets	Started by any tree, or part of a tree, falling upon or coming into contact with a distribution system	LOW-MODERATE	Yes	0	Yes	214799
Fire Start 23	14/02/2015	13:54	Wodonga	WOTS11	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	Yes	0	Yes	214986

	Date	Time	Location	Feeder ID	Network categorisation	High Bushfire Risk Area	Fire Start by ESV category	Fire Start by Asset	Kind of Fire Start by F-factor Order - Clause 4	CFA fire danger rating	Fire Danger period declared?	Estimated area burnt	Reported to a relevant entity?	Record Number
Fire Start 24	15/02/2015	17:48	South Morang	DRN23	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	VERY-HIGH	Yes	0	Yes	214992
Fire Start 25	16/02/2015	16:37	Leongatha	LLG12	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	Yes	0	Yes	215010
Fire Start 26	16/02/2015	15:24	Wodonga	WOTS11	LONG RURAL	LBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	Other Assets	Otherwise started by a distribution system	LOW-MODERATE	Yes	0	Yes	215009
Fire Start 27	17/02/2015	11:42	Swifts Creek	BDL8	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	Yes	0	Yes	215022
Fire Start 28	17/02/2015	5:37	Leongatha	LLG12	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	Yes	0	Yes	215011
Fire Start 29	27/02/2015	14:15	Tallangatta	WOTS24	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	HIGH	Yes	0	Yes	215176
Fire Start 30	13/02/2015	20:25	Foster	FTR22	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	Pole and cross arm fire (including 'smouldering' or 'smoke')	Otherwise started by a distribution system	N/A	Yes	0	Yes	214985
Fire Start 31	3/03/2015	11:36	Leongatha	LGA11	LONG RURAL	HBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	LOW-MODERATE	Yes	0.25	Yes	215212
Fire Start 32	4/03/2015	1:51	Mansfield	MSD2	LONG RURAL	HBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	HIGH	Yes	50	Yes	215222
Fire Start 33	8/03/2015	3:48	Wodonga	WN3	LONG RURAL	HBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	N/A	Yes	32	Yes	215297

	Date	Time	Location	Feeder ID	Network categorisation	High Bushfire Risk Area	Fire Start by ESV category	Fire Start by Asset	Kind of Fire Start by F-factor Order - Clause 4	CFA fire danger rating	Fire Danger period declared?	Estimated area burnt	Reported to a relevant entity?	Record Number
Fire Start 34	9/03/2015	14:28	Seymour	RUBA22	SHORT RURAL	HBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from trees contacting network assets	Started by any tree, or part of a tree, falling upon or coming into contact with a distribution system	HIGH	Yes	1	Yes	215302
Fire Start 35	13/03/2015	4:14	Beaconsfield	HPK23	URBAN	HBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from animal contact with network assets	Started by any person, bird, reptile or other animal coming into contact with a distribution system	N/A	Yes	20	Yes	215363
Fire Start 36	16/03/2015	15:44	Bairnsdale	BDL8	LONG RURAL	HBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Started by any other thing forming part of or coming into contact with a distribution system	N/A	Yes	900	Yes	215396
Fire Start 37	1/03/2015	11:16	Wonthaggi	WGI22	LONG RURAL	HBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	N/A	Yes	2	Yes	215187
Fire Start 38	5/03/2015	20:16	Traralgon	TGN23	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	Yes	0	Yes	215454
Fire Start 39	6/03/2015	13:18	Traralgon	TGN41	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	Yes	0	Yes	215455
Fire Start 40	6/03/2015	10:52	Bairnsdale	BDL5	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	Yes	0	Yes	215293
Fire Start 41	14/03/2015	18:49	Ringwood	CYN32	URBAN	LBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	Oil-filled plant fire	Otherwise started by a distribution system	VERY-HIGH	Yes	0	Yes	215381
Fire Start 42	19/03/2015	17:36	Myrtleford	BRT22	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	VERY-HIGH	Yes	0	Yes	215445

	Date	Time	Location	Feeder ID	Network categorisation	High Bushfire Risk Area	Fire Start by ESV category	Fire Start by Asset	Kind of Fire Start by F-factor Order - Clause 4	CFA fire danger rating	Fire Danger period declared?	Estimated area burnt	Reported to a relevant entity?	Record Number
Fire Start 43	28/04/2015	21:57	Foster	FTR23	LONG RURAL	HBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	LOW-MODERATE	Yes	1	Yes	215757
Fire Start 44	13/04/2015	13:55	Ringwood	RWT25	URBAN	HBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	LOW-MODERATE	Yes	600	Yes	215620
Fire Start 45	29/04/2015	15:04	Warragul	WGL13	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	Yes	0	Yes	215770
Fire Start 46	29/04/2015	13:35	Sale	SLE32	SHORT RURAL	LBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	Yes	0	Yes	215768
Fire Start 47	11/04/2015	7:01	Moe	MOE22	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	Yes	0	Yes	215647
Fire Start 48	9/04/2015	11:58	Ferntree Gully	OFR23	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	Yes	0	Yes	215596
Fire Start 49	2/04/2015	7:28	Benalla	WN6	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	HIGH	Yes	0	Yes	215557
Fire Start 50	22/04/2015	12:26	Mansfield	MSD4	LONG RURAL	HBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	LOW-MODERATE	Yes	1	Yes	215726
Fire Start 51	2/05/2015	23:08	Moe	MOE22	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	215803
Fire Start 52	11/05/2015	3:01	Warragul	WGL11	SHORT RURAL	LBRA	Any other Fire Start	Other Assets	Started by any person, bird, reptile or other animal coming into contact with a distribution system	N/A	No	0	Yes	215890

	Date	Time	Location	Feeder ID	Network categorisation	High Bushfire Risk Area	Fire Start by ESV category	Fire Start by Asset	Kind of Fire Start by F-factor Order - Clause 4	CFA fire danger rating	Fire Danger period declared?	Estimated area burnt	Reported to a relevant entity?	Record Number
Fire Start 53	11/05/2015	2:20	Moe	MOE23	SHORT RURAL	LBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	Pole and cross arm fire (including 'smouldering' or 'smoke')	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	215888
Fire Start 54	12/05/2015	12:01	Sale	SLE31	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	N/A	No	0	Yes	215905
Fire Start 55	18/05/2015	18:44	Wonthaggi	PHI11	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	Other Assets	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	215988
Fire Start 56	19/05/2015	12:14	Seymour	BN1	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	216000
Fire Start 57	31/05/2015	11:30	South Morang	KLO14	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	216152
Fire Start 58	4/06/2015	6:45	Traralgon DA	MOE32	SHORT RURAL	HBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	LOW-MODERATE	No	1	Yes	216229
Fire Start 59	20/06/2015	13:01	Ferntree Gully	BGE11	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	N/A	No	0	Yes	216481
Fire Start 60	25/06/2015	13:43	Seymour	SMR1	SHORT RURAL	HBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	LOW-MODERATE	No	0.5	Yes	216607
Fire Start 61	29/06/2015	16:17	Mansfield	MSD2	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	216664
Fire Start 62	30/06/2015	9:06	Ferntree Gully	BGE11	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	N/A	No	0	Yes	216688

	Date	Time	Location	Feeder ID	Network categorisation	High Bushfire Risk Area	Fire Start by ESV category	Fire Start by Asset	Kind of Fire Start by F-factor Order - Clause 4	CFA fire danger rating	Fire Danger period declared?	Estimated area burnt	Reported to a relevant entity?	Record Number
Fire Start 63	14/06/2015	9:47	Sale	SLE31	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	N/A	No	0	Yes	216350
Fire Start 64	30/06/2015	17:17	Lilydale	LDL14	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	N/A	No	0	Yes	216689
Fire Start 65	30/06/2015	23:04	Beaconsfield	CRE31	SHORT RURAL	LBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	Other Assets	Otherwise started by a distribution system	N/A	No	0	Yes	216693
Fire Start 66	3/07/2015	12:58	Benalla DA	BN3	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	216741
Fire Start 67	13/07/2015	8:07	Traralgon DA	WGL13	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	216887
Fire Start 68	14/07/2015	17:27	Lilydale DA	BWR34	URBAN	LBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	Other Assets	Otherwise started by a distribution system	N/A	No	0	Yes	216926
Fire Start 69	15/07/2015	19:10	Lilydale DA	RWT14	URBAN	LBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	Other Assets	Otherwise started by a distribution system	N/A	No	0	Yes	217511
Fire Start 70	17/07/2015	1:51	Bass Coast DA	LGA21	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	Other Assets	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	217012
Fire Start 71	21/07/2015	14:10	South Morang DA	KLK2	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	Pole and cross arm fire (including 'smouldering' or 'smoke')	Otherwise started by a distribution system	N/A	No	0	Yes	217101
Fire Start 72	25/07/2015	6:30	Seymour	BN1	LONG RURAL	LBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	N/A	No	0	Yes	217207

	Date	Time	Location	Feeder ID	Network categorisation	High Bushfire Risk Area	Fire Start by ESV category	Fire Start by Asset	Kind of Fire Start by F-factor Order - Clause 4	CFA fire danger rating	Fire Danger period declared?	Estimated area burnt	Reported to a relevant entity?	Record Number
Fire Start 73	2/08/2015	5:42	Ringwood	RWN24	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	217425
Fire Start 74	17/08/2015	8:42	Wodonga	WN3	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	217643
Fire Start 75	24/08/2015	8:23	Wodonga	WOTS11	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	217783
Fire Start 76	31/08/2015	5:25	South Morang	ELM15	SHORT RURAL	LBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	Other Assets	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	217959
Fire Start 77	30/08/2015	19:56	Beaconsfield	CRE33	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	217960
Fire Start 78	1/09/2015	21:57	Wonthaggi	WGI23	SHORT RURAL	LBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	LOW-MODERATE	No	1	Yes	218034
Fire Start 79	18/09/2015	16:56	Sale	MFA34	SHORT RURAL	HBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	LOW-MODERATE	No	0.5	Yes	218303
Fire Start 80	22/09/2015	14:06	Bairnsdale	BDL5	LONG RURAL	LBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	218345
Fire Start 81	26/09/2015	10:46	Ferntree Gully	FGY33	URBAN	HBRA	Any other Fire Start	Other Assets	Started by any person, bird, reptile or other animal coming into contact with a distribution system	N/A	No	0	Yes	218409
Fire Start 82	26/09/2015	12:24	Sale	SLE31	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	218408

	Date	Time	Location	Feeder ID	Network categorisation	High Bushfire Risk Area	Fire Start by ESV category	Fire Start by Asset	Kind of Fire Start by F-factor Order - Clause 4	CFA fire danger rating	Fire Danger period declared?	Estimated area burnt	Reported to a relevant entity?	Record Number
Fire Start 83	8/10/2015	4:31	Leongatha	LGA14	LONG RURAL	HBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	LOW-MODERATE	No	5	Yes	218543
Fire Start 84	23/10/2015	13:30	Seymour	SMR8	LONG RURAL	LBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from trees contacting network assets	Started by any tree, or part of a tree, falling upon or coming into contact with a distribution system	LOW-MODERATE	No	90	Yes	218752
Fire Start 85	27/10/2015	14:11	Leongatha	LGA22	SHORT RURAL	HBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	LOW-MODERATE	No	86	Yes	218790
Fire Start 86	28/10/2015	17:36	Ferntree Gully	BGE11	SHORT RURAL	LBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	HIGH	No	2	Yes	218819
Fire Start 87	8/10/2015	14:05	Warragul	WGL21	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	HIGH	No	0	Yes	218554
Fire Start 88	13/10/2015	20:23	Traralgon	TGN23	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	218611
Fire Start 89	22/10/2015	20:24	Ferntree Gully	FGY23	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	Other Assets	Otherwise started by a distribution system	HIGH	No	0	Yes	218744
Fire Start 90	8/11/2015	20:19	Traralgon	MWT32	SHORT RURAL	HBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from animal contact with network assets	Started by any person, bird, reptile or other animal coming into contact with a distribution system	LOW-MODERATE	No	0.1	Yes	218952
Fire Start 91	26/11/2015	10:24	Bairnsdale	BDL4	SHORT RURAL	HBRA	Any other Fire Start	Other Assets	Started by any tree, or part of a tree, falling upon or coming into contact with a distribution system	LOW-MODERATE	No	0	Yes	219317

	Date	Time	Location	Feeder ID	Network categorisation	High Bushfire Risk Area	Fire Start by ESV category	Fire Start by Asset	Kind of Fire Start by F-factor Order - Clause 4	CFA fire danger rating	Fire Danger period declared?	Estimated area burnt	Reported to a relevant entity?	Record Number
Fire Start 92	26/11/2015	19:35	Lilydale	LDL23	LONG RURAL	HBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from trees contacting network assets	Started by any tree, or part of a tree, falling upon or coming into contact with a distribution system	VERY-HIGH	No	1200	Yes	219320
Fire Start 93	29/11/2015	10:11	Leongatha	LGA23	LONG RURAL	HBRA	Asset failures resulting in grass/vegetation fire	HV Fuse	Otherwise started by a distribution system	HIGH	No	4	Yes	219363
Fire Start 94	3/11/2015	17:00	Bairnsdale	BDL1	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	Any fire triggered by any asset failure caused by Lightning	Started by lightning striking a distribution system or a part of a distribution system	LOW-MODERATE	No	0	Yes	218884
Fire Start 95	3/11/2015	17:11	Traralgon	TGN41	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	218883
Fire Start 96	5/11/2015	8:49	Lilydale	LDL23	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	Pole and cross arm fire (including 'smouldering' or 'smoke')	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	218904
Fire Start 97	5/11/2015	8:30	Moe	MOE31	LONG RURAL	LBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	Other Assets	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	218900
Fire Start 98	18/11/2015	7:22	Bairnsdale	BDL8	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	No	0	Yes	219142
Fire Start 99	28/11/2015	10:11	Wodonga	WOTS25	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	Yes	0	Yes	219358
Fire Start 100	8/12/2015	20:24	Warragul	WGL15	SHORT RURAL	HBRA	Grass/vegetation fires from assets (non-asset failures)	Any fire triggered by any asset failure caused by Lightning	Started by lightning striking a distribution system or a part of a distribution system	HIGH	Yes	1	Yes	219520

	Date	Time	Location	Feeder ID	Network categorisation	High Bushfire Risk Area	Fire Start by ESV category	Fire Start by Asset	Kind of Fire Start by F-factor Order - Clause 4	CFA fire danger rating	Fire Danger period declared?	Estimated area burnt	Reported to a relevant entity?	Record Number
Fire Start 101	9/12/2015	12:44	South Morang	DRN23	LONG RURAL	HBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from animal contact with network assets	Started by any person, bird, reptile or other animal coming into contact with a distribution system	LOW-MODERATE	Yes	5	Yes	219554
Fire Start 102	10/12/2015	21:45	South Morang	WT8	URBAN	LBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from trees contacting network assets	Started by any tree, or part of a tree, falling upon or coming into contact with a distribution system	HIGH	Yes	10	Yes	219590
Fire Start 103	11/12/2015	18:29	Sale	MFA31	SHORT RURAL	HBRA	Any other Fire Start	Other Assets	Started by any tree, or part of a tree, falling upon or coming into contact with a distribution system	LOW-MODERATE	Yes	0	Yes	219631
Fire Start 104	14/12/2015	22:13	Wodonga	WN3	LONG RURAL	HBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from animal contact with network assets	Started by any person, bird, reptile or other animal coming into contact with a distribution system	HIGH	Yes	1200	Yes	219655
Fire Start 105	20/12/2015	19:02	Corryong	WOTS24	LONG RURAL	HBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from animal contact with network assets	Started by any person, bird, reptile or other animal coming into contact with a distribution system	HIGH	Yes	180	Yes	219730
Fire Start 106	17/12/2015	16:44	Lilydale	WYK11	SHORT RURAL	LBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from animal contact with network assets	Started by any person, bird, reptile or other animal coming into contact with a distribution system	SEVERE	Yes	9	Yes	219729
Fire Start 107	18/12/2015	15:39	South Morang	TT12	URBAN	LBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	HIGH	Yes	4000	Yes	219897

	Date	Time	Location	Feeder ID	Network categorisation	High Bushfire Risk Area	Fire Start by ESV category	Fire Start by Asset	Kind of Fire Start by F-factor Order - Clause 4	CFA fire danger rating	Fire Danger period declared?	Estimated area burnt	Reported to a relevant entity?	Record Number
Fire Start 108	19/12/2015	15:11	Leongatha	LGA23	LONG RURAL	HBRA	Asset failures resulting in grass/vegetation fire	HV Fuse	Otherwise started by a distribution system	EXTREME	Yes	13460	Yes	219746
Fire Start 109	20/12/2015	18:00	Wodonga	BWA22	LONG RURAL	HBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from trees contacting network assets	Started by any tree, or part of a tree, falling upon or coming into contact with a distribution system	SEVERE	Yes	70000000	Yes	219761
Fire Start 110	5/12/2015	13:45	Leongatha	LGA24	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	LOW-MODERATE	Yes	0	Yes	219478
Fire Start 111	14/12/2015	12:15	Warragul	WGL21	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	HIGH	Yes	0	Yes	219654
Fire Start 112	19/12/2015	7:25	Warragul	WGL24	LONG RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	HIGH	Yes	0	Yes	219743
Fire Start 113	20/12/2015	15:02	Myrtleford	MYT8	SHORT RURAL	HBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from trees contacting network assets	Started by any tree, or part of a tree, falling upon or coming into contact with a distribution system	SEVERE	Yes	300	Yes	219794
Fire Start 114	24/12/2015	17:00	Ringwood	RWN24	SHORT RURAL	LBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	SEVERE	Yes	5	Yes	219827
Fire Start 115	26/12/2015	14:27	Ringwood	RWN31	SHORT RURAL	HBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from trees contacting network assets	Started by any tree, or part of a tree, falling upon or coming into contact with a distribution system	HIGH	Yes	20	Yes	219830
Fire Start 116	29/12/2015	15:00	Lilydale	LDL13	SHORT RURAL	HBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	HIGH	Yes	3	Yes	219836

	Date	Time	Location	Feeder ID	Network categorisation	High Bushfire Risk Area	Fire Start by ESV category	Fire Start by Asset	Kind of Fire Start by F-factor Order - Clause 4	CFA fire danger rating	Fire Danger period declared?	Estimated area burnt	Reported to a relevant entity?	Record Number
Fire Start 117	30/12/2015	14:54	Warragul	WGL13	SHORT RURAL	HBRA	Grass/vegetation fires from assets (non-asset failures)	Fire starts in grass/vegetation resulting from trees contacting network assets	Started by any tree, or part of a tree, falling upon or coming into contact with a distribution system	HIGH	Yes	9600	Yes	219843
Fire Start 118	31/12/2015	18:00	Beaconsfield	PHM11	URBAN	LBRA	Asset failures resulting in grass/vegetation fire	Other Assets	Otherwise started by a distribution system	VERY-HIGH	Yes	20	Yes	219848
Fire Start 119	30/12/2015	6:54	Moe	MOE32	SHORT RURAL	HBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	HV Fuse Failure (including 'hang-ups' and 'candling')	Otherwise started by a distribution system	VERY-HIGH	Yes	0	Yes	219839
Fire Start 120	26/12/2015	7:13	Traralgon	MWT32	SHORT RURAL	LBRA	Asset failures resulting in asset fire (no grass/vegetation fire)	Pole and cross arm fire (including 'smouldering' or 'smoke')	Otherwise started by a distribution system	HIGH	Yes	0	Yes	219829