



Review of Power System Reclassification Events 1 May 2020 to 31 October 2020

January 2021

A report for the National Electricity Market

Important notice

PURPOSE

AEMO has prepared this report on its power system reclassification decisions in the National Electricity Market for the period 1 May 2020 to 31 October 2020 in accordance with clause 4.2.3A(i) of the National Electricity Rules.

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Contents

1.	Introduction	4
2.	Overview	5
3.	AEMO's role	6
4.	Reclassification criteria	7
5.	Reclassification events, 1 May 2020 to 31 October 2020	8
6.	Non-credible contingency events, 1 May 2020 to 31 October 2020	10
6.1	Trip of Ararat – Crowlands 220 kV lines and Wemen Solar Farm in Victoria	10
7.	Reclassification constraints	12
8.	Conclusion	13
A1.	Reclassification events, 1 May 2020 to 31 October 2020	14
A2.	Number of reclassification events on each element, 1 May 2020 to 31 October 2020	36
A3.	Non-credible contingency events, 1 May 2020 to 31 October 2020	39
A4.	Binding reclassification constraints, 1 May 2020 to 31 October 2020	43

Tables

Table 1	Reclassification events for period 1 May 2020 to 31 October 2020	8
Table 2	Reclassification events 1 May 2020 to 31 October 2020	14
Table 3	Number of times reclassification events occurred on each element, 1 May 2020 to 31 October 2020	36
Table 4	Non-credible contingency events, 1 May 2020 to 31 October 2020	39
Table 5	Reclassification constraints that bound, 1 May 2020 to 31 October 2020	43

Figures

Figure 1	Reclassifications per region, 1 May 2020 to 31 October 2020	9
Figure 2	Historical reclassification events, 2012-13 to 2020	9

1. Introduction

This report sets out AEMO's reasons for decisions to reclassify *non-credible contingency events* as *credible contingency events* under clause 4.2.3A(g) of the National Electricity Rules (NER).

AEMO is required by clause 4.2.3A(i) of the NER to report on reclassification decisions every six months. This report covers the period from 1 May 2020 to 31 October 2020 (reporting period). The report includes:

1. An explanation of how AEMO applied the criteria established in accordance with clause 4.2.3B for each of these decisions.
2. AEMO's analysis of reclassification trends during the reporting period, and its appraisal of the appropriateness of the relevant criteria applied in the case of each reclassification decision.

In this document, a word or phrase in *this style* has the same meaning as given to that term in the NER.

References to times in this report, unless otherwise specified, are to Australian Eastern Standard Time (AEST).

2. Overview

There was a total of 333 reclassification events in this reporting period, compared to 187 reclassification events during the previous winter reporting period (1 May 2019 to 31 October 2019).

All reclassifications in this reporting period were appropriately determined in accordance with the reclassification criteria in AEMO's Power System Security Guidelines SO_OP_3715¹, for bushfires, lightning, severe weather, or other reasons.

AEMO notified *Market Participants*, via Market Notices (MNs)², of the reasons for reclassifying each of these *non-credible contingency events*.

¹ AEMO, Power System Security Guidelines. Power system operating procedures are available at <http://aemo.com.au/Electricity/National-Electricity-Market-NEM/Security-and-reliability/Power-system-operation>.

² Market Notices are issued through the Market Management System. They are updated in real time by AEMO to notify market participants of events that have an impact on the market. Market Notices are also published on AEMO's website at <https://www.aemo.com.au/Electricity/National-Electricity-Market-NEM/Market-notice-and-events>.

3. AEMO's role

In general terms, the *power system* is operated such that it will remain in a *satisfactory operating state*³ following the loss of a single major *transmission* or *generation* element. These events are defined as *credible contingency events*⁴ and include:

- Unexpected loss of a single transmission line, transformer, or reactive plant.
- Unexpected loss of a single generating unit.

AEMO considers the occurrence of these events to be reasonably possible.

A *non-credible contingency event* is a *contingency event* other than a *credible contingency event*. Examples include:

- Three phase electrical faults.
- The trip of any busbar in the *transmission network*.
- The trip of more than one *transmission element*.
- The trip of *transmission plant* in a manner not considered likely (for example, a *transmission line* that trips at one end only).
- The trip of multiple *generating units*.

AEMO is not required to operate the *power system* with the capability to remain in a *satisfactory operating state* following *non-credible contingency events* (other than any *protected events*), as the likelihood of their occurrence is low.

AEMO must reclassify a *non-credible contingency event* as a *credible contingency event* if the likelihood of this event impacting the *power system* has become reasonably possible due to *abnormal conditions*. *Abnormal conditions* may include severe weather conditions, lightning, and bushfires⁵.

³ Refer to clause 4.2.2 of the NER.

⁴ Refer to clause 4.2.3 of the NER.

⁵ Refer to clause 4.2.3A (a) of the NER.

4. Reclassification criteria

AEMO has developed criteria for determining whether a *non-credible contingency event* should be reclassified as a *credible contingency event* (reclassification criteria). The reclassification criteria are specified in AEMO's Power System Security Guidelines SO_OP_3715⁶. The reclassification criteria apply to:

- Bushfires.
- Lightning.
- Severe weather (the majority of "Severe weather" reclassifications were due to weather warnings from the Bureau of Meteorology [BoM]. These warnings covered weather events like high winds or cyclone).
- Occurrence of a *non-credible contingency event*.
- Other events (this includes events that do not fall into the other categories; examples include events with the potential to impact multiple generating units, vulnerable transmission elements due to a planned outage nearby, or pollution impacting transmission line insulators).

The following section analyses how AEMO reclassified *non-credible contingency events* using the reclassification criteria for the reporting period.

⁶ AEMO published a new version of Power System Security Guidelines SO_OP_3715 on 23 September 2019, which introduced two new reclassification criteria, *severe weather conditions* and *non-credible contingency event*.

5. Reclassification events, 1 May 2020 to 31 October 2020

AEMO reclassified 333 events during the reporting period, an increase of 146 events from the same period in 2019. Table 1 summarises these events.

Refer to Appendix A1 for a complete list of events.

Table 1 Reclassification events for period 1 May 2020 to 31 October 2020

Criteria	Number of reclassification events	Incidence of contingency occurring during reclassification
Bushfires	0	0
Lightning	300	0
Severe weather	18	0
Other ^A	15	0
Total for period	333	0

A. This includes any reclassifications due to occurrence of *non-credible contingency events* or other reasons.

AEMO reclassified all lightning events in accordance with the reclassification criteria specified in Section 8.4 of SO_OP_3715.

There were 33 events reclassified under the 'severe weather' and 'other' criteria according to Sections 8.5, 8.6, and 8.7 of SO_OP_3715. Most of these were reclassified due to either:

- Forecast abnormal weather conditions (such as severe weather warnings due to high wind or cyclones), or
- Occurrence of a *non-credible contingency event* following which AEMO considered there was a reasonable possibility of reoccurrence.

There were no occurrences of events while they were reclassified as credible.

Figure 1 shows the number of reclassification events per region for the reporting period, and Figure 2 shows the historical trend of reclassification events by event criteria.

The total number of reclassification events in this reporting period was higher than the historical winter period average (average of 194 reclassification events since 2013).

The number of reclassified transmission elements decreased in this reporting period compared to the previous reporting period (1 November 2019 to 30 April 2020) from 49 to 39. The number of reclassified transmission elements increased compared to the last winter period (1 May 2019 to 31 October 2019) from 34 to 39.

The number of reclassifications increased by 78% overall, from 187 in the previous winter to 333 this reporting period. The largest increase compared to the previous winter was observed for reclassifications due to lightning, which increased from 153 to 300.

Queensland experienced the largest increase in reclassifications compared to last winter period (56 to 117). The Bulli Creek – Dumaresq 8L and 8M 330 kilovolt (kV) lines in Queensland were reclassified 17 times due to lightning during last winter period and were reclassified 32 times during this reporting period.

The number of reclassifications in New South Wales also notably increased during this reporting period compared to the previous winter period. This is due to the addition of Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV lines, which were reclassified 34 times due to lightning during this reporting period.

There were 18 instances of events reclassified due to “Severe weather”. Reclassifications due to “Other events” decreased by 17 compared to the previous winter period. This was largely because “Severe weather” was previously considered within the “Other events” category.

Figure 1 **Reclassifications per region, 1 May 2020 to 31 October 2020**

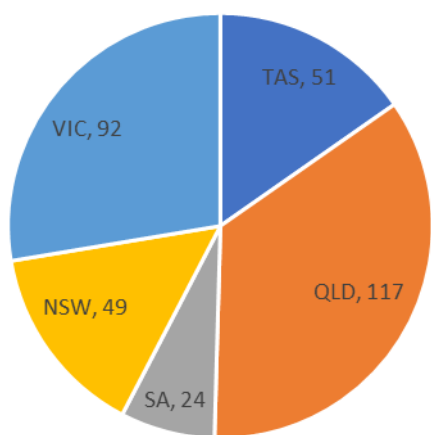
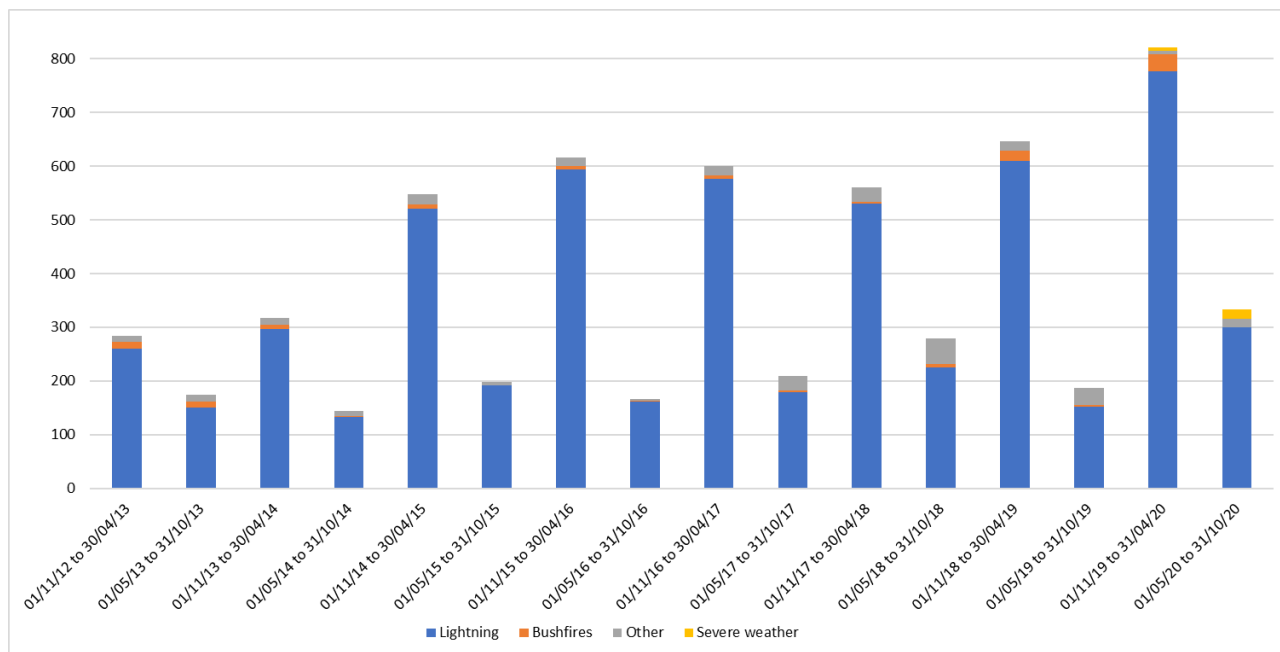


Figure 2 **Historical reclassification events, 2012-13 to 2020**



Note: Figure 2 does not include “Severe weather” for all the previous reclassification periods. This new category of “Severe Weather” is only included from the last report covering 1 November 2019 to 30 April 2020.

Appendix A2 lists all the reclassified elements and the number of times they were reclassified during the period 1 May 2020 to 31 October 2020.

6. Non-credible contingency events, 1 May 2020 to 31 October 2020

During the reporting period, 17 *non-credible contingency events* occurred. By the end of this reporting period, AEMO had reclassified six of these events as *credible contingency events*, after assessing there was a risk of the event reoccurring.

Note that the following reclassification events cancelled within this reporting period were initially reclassified before the period, so are not listed in Appendix A1:

- Trip of Brinkworth – Davenport, Brinkworth – Templers West and Para – Templers West 275 kV lines, cancelled on 1 May 2020.
- Trip of Para – Templers West and Magill – Torrens Island A 275 kV lines, cancelled on 1 May 2020.
- Trip of Tungatinah – Butlers Gorge 110 kV line and all circuit breakers at Tarraleah Power Station, cancelled on 20 May 2020.
- Trip of Hazelwood Power Station – Rowville No. 1 and No. 2 220 kV lines, cancelled on 25 May 2020.
- Trip of Lismore – Mullumbimby Tee Dunoon 9U6 and 9U7 132 kV lines and Directlink, cancelled on 18 June 2020.

Appendix A3 lists all *non-credible contingency events* that occurred during the reporting period and AEMO's assessment of whether to reclassify each event as credible. The rows highlighted in blue in Appendix A3 explain the contingency events corresponding to the reclassifications highlighted in blue in Appendix A1.

The following two *non-credible contingency events* that occurred in the reporting period remain reclassified at the time of publishing this report:

- Trip of Numurkah Solar Farm and any 220 kV transmission line between Dederang and Bendigo Terminal Stations, reclassified on 21 July 2020.
- The simultaneous reduction of Nyrstar load with the fault and trip of any 110 kV circuit south of Liapootah substation, reclassified on 30 August 2020.

The transmission elements that were reclassified prior to the reporting period and remained reclassified at the end of the reporting period are not included in this report.

The following event was considered a reviewable operating incident which involved a significant amount of generation loss.

6.1 Trip of Ararat – Crowlands 220 kV lines and Wemen Solar Farm in Victoria

At 1235 hrs on 20 August 2020, the Ararat – Crowlands 220 kV line (ARTS–CWTS line) and the Wemen Solar Farm tripped simultaneously. The trip of Wemen Solar Farm was not an expected outcome of the trip of the ARTS–CWTS line, and as a result 63 megawatts (MW) of generation was lost. In addition, in response to the

trip of the ARTS–CWTS line, the operation of the Generation Fast Trip (GFT) control scheme tripped the Crowlands and Bulgana Wind Farms, and partially tripped the Murra Warra Wind Farm, resulting in an automatic disconnection of 184 MW of generation. In total, 247 MW became unavailable.

AEMO reclassified this event as credible at 1905 hrs on 20 August 2020. The Ararat – Crowlands 220 kV line was returned to service at 1742 hrs on the same day. The Wemen Solar Farm was returned to service at 1535 hrs on 21 August 2020.

Based on the information provided by AusNet Services (the transmission network service provider [TNSP] in Victoria) and Wemen Asset Co Pty Ltd as Trustee for Wemen Solar Unit Trust, the ARTS–CWTS line tripped due to an unexpected operation of its X current differential protection due to an incorrect setting. There was no fault on the line and the Y protection did not operate. AusNet Services advised that the X current differential protection setting was corrected, and all protection returned to normal on 2 September 2020.

Wemen Solar Farm tripped due to the unexpected operation of its anti-islanding scheme where no islanding condition existed. The anti-islanding scheme should only operate and disconnect the generating unit if the generating unit loses its 220 kV connection to the power system. The root cause of the unexpected operation of the anti-islanding scheme was related to the voltage vector shift protection and its sensitivity to power system disturbances. To prevent a re-occurrence of this issue, the operators of Wemen Solar Farm advised AEMO that the voltage vector shift protection had been disabled and further advised that this would not negatively impact the performance of the solar farm.

The reclassification was cancelled at 1615 hrs on 17 November 2020 as the cause had been identified and rectified.

7. Reclassification constraints

When AEMO reclassifies an event, it seeks to operate the *power system* so it stays in a *satisfactory operating state* should the (now) *credible contingency event* occur. AEMO typically invokes constraint equations to manage the *power system* accordingly while an event is reclassified.

Appendix A4 lists the binding constraint equations during reclassification events over the reporting period.

There were 19 reclassified events that resulted in binding constraint equations. This means that, in the 314 other instances, the reclassification constraint did not affect dispatch outcomes.

8. Conclusion

AEMO concludes that, during the reporting period 1 May 2020 to 31 October 2020:

1. AEMO's reclassification decisions were appropriate and consistent with the reclassification criteria.
2. AEMO notified Market Participants of the reasons for reclassifying non-credible contingency events.
3. The total number of reclassification events in the NEM was higher than for last winter period, and also higher than the historical winter period average.

A1. Reclassification events, 1 May 2020 to 31 October 2020

- **INDJI** – Indji Watch (INDJI) is a system that monitors live information feeds on hazards such as bushfires and displays their positions relative to the locations of transmission assets and is used to provide detection and location of cloud to ground lightning strikes across the National Electricity Market (NEM) transmission system.
- **BOM** – AEMO receives advice from the Bureau of Meteorology (BOM) when severe weather is forecast in regions that may impact the NEM transmission system.

The reclassification events highlighted in blue in Table 2 below were reclassified after a non-credible contingency event occurred. Further details on the reclassifications highlighted in blue can be found in Appendix A3.

Table 2 Reclassification events 1 May 2020 to 31 October 2020

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
75579	06/05/2020 0050 hrs	06/05/2020 0155 hrs	75580	Lindisfarne – Mornington No. 1 Tee line and Lindisfarne – Mornington No. 2 Tee line	TAS	Lightning	INJI
75594	06/05/2020 2010 hrs	07/05/2020 1105 hrs	75598	Brinkworth – Davenport, Brinkworth – Templers West and Para – Templers West 275 kV lines	SA	Other	BOM
75595	06/05/2020 2015 hrs	07/05/2020 1750 hrs	75602	Para – Templers West and Magill – Torrens Island A 275 kV lines	SA	Other	BOM
75603	07/05/2020 1900 hrs	07/05/2020 2010 hrs	75617	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
75626	08/05/2020 2320 hrs	09/05/2020 0020 hrs	75627	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
75643	09/05/2020 1120 hrs	09/05/2020 1225 hrs	75661	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
75670	09/05/2020 1240 hrs	09/05/2020 1440 hrs	75677	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INJI

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
75669	09/05/2020 1240 hrs	09/05/2020 1340 hrs	75673	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
75671	09/05/2020 1245 hrs	09/05/2020 1450 hrs	75678	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
75674	09/05/2020 1340 hrs	09/05/2020 1545 hrs	75683	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
75675	09/05/2020 1405 hrs	09/05/2020 1705 hrs	75685	Hazelwood PS – Rowville No. 1 and 2 220 kV lines	VIC	Lightning	INJI
75676	09/05/2020 1415 hrs	09/05/2020 2215 hrs	75691	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
75686	09/05/2020 1935 hrs	09/05/2020 2035 hrs	75687	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
75688	09/05/2020 2050 hrs	09/05/2020 2155 hrs	75690	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
75693	10/05/2020 1725 hrs	10/05/2020 1825 hrs	75695	Loss of multiple generating units at Eraring Power Station	NSW	Other	Generator
75714	13/05/2020 0905 hrs	13/05/2020 1350 hrs	75715	South East No. 2 275/132 kV Transformer and both the South East No. 1 and No. 2 275 kV SVCs	SA	Other	TNSP
75718	14/05/2020 1505 hrs	14/05/2020 1640 hrs	75719	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
75757	19/05/2020 1045 hrs	20/05/2020 0145 hrs	75763	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INJI
75755	19/05/2020 2245 hrs	20/05/2020 0145 hrs	75761	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
75756	19/05/2020 2245 hrs	20/05/2020 0145 hrs	75762	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
75760	20/05/2020 0135 hrs	20/05/2020 0540 hrs	75769	Hazelwood PS – Rowville No. 1 and 2 220 kV lines	VIC	Lightning	INJI
75765	20/05/2020 0200 hrs	20/05/2020 0700 hrs	75772	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
75766	20/05/2020 0240 hrs	20/05/2020 0940 hrs	75773	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INJI

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
75767	20/05/2020 0430 hrs	20/05/2020 0550 hrs	75770	Sheffield – Wesley Vale 110 kV line and Sheffield – Devonport 110 kV line	TAS	Lightning	INJI
75768	20/05/2020 0430 hrs	20/05/2020 0550 hrs	75771	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
75758	20/05/2020 1220 hrs	20/05/2020 0120 hrs	75759	Hazelwood PS – Rowville No. 1 and 2 220 kV lines	VIC	Lightning	INJI
75775	20/05/2020 1430 hrs	20/05/2020 1535 hrs	75776	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
75780	21/05/2020 0305 hrs	21/05/2020 0410 hrs	75781	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
75788	23/05/2020 0915 hrs	23/05/2020 1435 hrs	75794	South East No. 1 and No. 2 275 kV SVCs	SA	Other	TNSP
75816	25/05/2020 0855 hrs	25/02/2020 1250 hrs	75820	Hazelwood PS – Yallourn No. 1 and 2 220 kV lines	VIC	Other	TNSP
75823	26/05/2020 0825 hrs	26/05/2020 1745 hrs	75828	South East No. 1 and No. 2 275 kV SVCs	SA	Other	TNSP
75851	30/05/2020 0535 hrs	30/05/2020 1735 hrs	75853	Brinkworth – Davenport, Brinkworth – Templers West and Para – Templers West 275 kV lines	SA	Other	BOM
75856	31/05/2020 1220 hrs	01/06/2020 0755 hrs	75860	Brinkworth – Davenport, Brinkworth – Templers West and Para –Templers West 275 kV lines	SA	Other	BOM
75959	12/06/2020 1715 hrs	13/06/2020 1705 hrs	75967	Brinkworth – Davenport, Brinkworth – Templers West and Para –Templers West 275 kV lines	SA	Other	BOM
75960	12/06/2020 1720 hrs	13/06/2020 1705 hrs	75968	Para – Templers West and Magill – Torrens Island A 275 kV lines	SA	Other	BOM
75969	13/06/2020 2110 hrs	13/06/2020 2310 hrs	75970	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INJI
75971	13/06/2020 2350 hrs	14/06/2020 0050 hrs	75972	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INJI
75973	14/06/2020 0620 hrs	14/06/2020 0920 hrs	75975	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
75991	16/06/2020 1645 hrs	16/06/2020 1750 hrs	75994	Chapel St – Liapootah No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
75992	16/06/2020 1645 hrs	16/06/2020 1750 hrs	75993	Tungatinah – New Norfolk Tee Meadowbank No. 1 and No. 2 110 kV lines	TAS	Lightning	INJI
75995	16/06/2020 1825 hrs	16/06/2020 2025 hrs	75996	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INJI
76017	20/06/2020 0210 hrs	20/06/2020 0410 hrs	76022	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
76020	20/06/2020 0250 hrs	20/06/2020 0350 hrs	76021	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INJI
76023	20/06/2020 0500 hrs	20/06/2020 0705 hrs	76025	Hazelwood PS – Rowville No. 1 and 2 220 kV lines	VIC	Lightning	INJI
76061	21/06/2020 0150 hrs	21/06/2020 0250 hrs	76063	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
76068	21/06/2020 1430 hrs	21/06/2020 1630 hrs	76070	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
76069	21/06/2020 1535 hrs	21/06/2020 1635 hrs	76071	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INJI
76134	01/07/2020 1230 hrs	02/07/2020 0430 hrs	76156	Brinkworth – Davenport, Brinkworth – Templers West and Para –Templers West 275 kV lines	SA	Other	BOM
76135	01/07/2020 1230 hrs	01/07/2020 1145 hrs	76147	Para – Templers West and Magill – Torrens Island A 275 kV lines	SA	Other	BOM
76144	01/07/2020 2110 hrs	01/07/2020 2315 hrs	76146	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
76149	02/07/2020 0030 hrs	02/07/2020 0130 hrs	76152	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INJI
76153	02/07/2020 0210 hrs	02/07/2020 0315 hrs	76155	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
76148	02/07/2020 1210 hrs	02/07/2020 0115 hrs	76151	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
76171	03/07/2020 1525 hrs	03/07/2020 1925 hrs	76174	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
76173	03/07/2020 1900 hrs	13/07/2020 1100 hrs	76290	Yallourn units 1, 3 and 4	VIC	Other	Event actually occurred

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
76244	10/07/2020 1210 hrs	10/07/2020 1515 hrs	76245	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INJI
76246	10/07/2020 2035 hrs	10/07/2020 2135 hrs	76248	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
76247	10/07/2020 2035 hrs	10/07/2020 2135 hrs	76249	Hazelwood PS – Rowville No. 1 and 2 220 kV lines	VIC	Lightning	INJI
76250	10/07/2020 2255 hrs	10/07/2020 2355 hrs	76251	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INJI
76254	11/07/2020 0520 hrs	11/07/2020 0720 hrs	76256	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INJI
76253	11/07/2020 0520 hrs	11/07/2020 0620 hrs	76255	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
76283	12/07/2020 1510 hrs	12/07/2020 1810 hrs	76284	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
76285	12/07/2020 1945 hrs	12/07/2020 2045 hrs	76286	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
76289	13/07/2020 1100 hrs	04/08/2020 1530 hrs	76535	Yallourn units 1 and 3	VIC	Other	Event actually occurred
76292	13/07/2020 1425 hrs	13/07/2020 1630 hrs	76294	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
76365	19/07/2020 1650 hrs	19/07/2020 1950 hrs	76374	Hazelwood PS – Rowville No. 1 and 2 220 kV lines	VIC	Lightning	INJI
76394	21/07/2020 1615 hrs	Ongoing	Ongoing	Numurkah Solar Farm and any 220 kV transmission line between Dederang and Bendigo Terminal Stations	VIC	Other	Generator
76407	22/07/2020 1545 hrs	22/07/2020 1815 hrs	76414	Goonyella – North Goonyella Tee – Stoney Creek No. 7122 and the Goonyella – Newlands No. 7155 132 kV lines	QLD	Lightning	INJI
76409	22/07/2020 1600 hrs	22/07/2020 2000 hrs	76416	Ross – Chalumbin 857 and 858 275 kV lines	QLD	Lightning	INJI
76410	22/07/2020 1620 hrs	22/07/2020 1720 hrs	76412	Collinsville Nth – Clare Sth Tee King Creek 7128 132 kV line and Strathmore – Clare South 7208 132 kV line	QLD	Lightning	INJI
76413	22/07/2020 1805 hrs	22/07/2020 2105 hrs	76419	Collinsville Nth – Clare Sth Tee King Creek 7128 132 kV line and Strathmore – Clare South 7208 132 kV line	QLD	Lightning	INJI

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
76415	22/07/2020 1950 hrs	22/07/2020 2050 hrs	76418	Collinsville North – Proserpine No. 7125 132 kV line and Collinsville North – Proserpine No. 7126 132 kV line	QLD	Lightning	INJI
76417	22/07/2020 2030 hrs	22/07/2020 2130 hrs	76421	Ross – Chalumbin 857 and 858 275 kV lines	QLD	Lightning	INJI
76420	22/07/2020 2120 hrs	22/07/2020 2220 hrs	76422	Collinsville North – Proserpine No. 7125 132 kV line and Collinsville North – Proserpine No. 7126 132 kV line	QLD	Lightning	INJI
76432	26/07/2020 1115 hrs	26/07/2020 1215 hrs	76433	Condabri North – Condabri Central No. 7400 and No. 7401 132 kV lines	QLD	Lightning	INJI
76434	26/07/2020 1405 hrs	26/07/2020 1510 hrs	76448	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
76441	26/07/2020 1440 hrs	26/07/2020 1940 hrs	76451	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INJI
76449	26/07/2020 1620 hrs	26/07/2020 1910 hrs	76450	Condabri North – Condabri Central No. 7400 and No. 7401 132 kV lines	QLD	Lightning	INJI
76511	03/08/2020 0040 hrs	03/08/2020 0145 hrs	76524	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INJI
76536	04/08/2020 1525 hrs	04/08/2020 1625 hrs	76537	Hazelwood PS – Rowville No. 1 and 2 220 kV lines	VIC	Lightning	INJI
76541	04/08/2020 2040 hrs	04/08/2020 2345 hrs	76544	Lindisfarne – Sorell 110 kV line and the Lindisfarne – Sorell – Triabunna_Tee 110 kV Line	TAS	Lightning	INJI
76542	04/08/2020 2040 hrs	04/08/2020 2345 hrs	76545	Tungatinah – New Norfolk Tee Meadowbank No. 1 and No. 2 110 kV lines	TAS	Lightning	INJI
76540	04/08/2020 2200 hrs	05/08/2020 1320 hrs	76547	Sheffield Farrell No 1 220 kV line and Farrell A 220 kV bus	TAS	Other	TNSP
76543	04/08/2020 2240 hrs	04/08/2020 2345 hrs	76546	Lindisfarne – Mornington No. 1 Tee line and Lindisfarne – Mornington No. 2 Tee line	TAS	Lightning	INJI
76569	07/08/2020 0305 hrs	07/08/2020 0735 hrs	76572	Goonyella – North Goonyella Tee – Stoney Creek No. 7122 and the Goonyella – Newlands No. 7155 132 kV lines	QLD	Lightning	INJI
76570	07/08/2020 0455 hrs	07/08/2020 0600 hrs	76571	Collinsville Nth – Clare Sth Tee King Creek 7128 132 kV line and Strathmore – Clare South 7208 132 kV line	QLD	Lightning	INJI
76574	07/08/2020 0800 hrs	07/08/2020 1000 hrs	76579	Collinsville – Stoney Creek No. 7306 132 kV line and Collinsville – Newlands No. 7121 132 kV line	QLD	Lightning	INJI

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
76573	07/08/2020 0800 hrs	07/08/2020 0900 hrs	76576	Collinsville North – Proserpine No. 7125 132 kV line and Collinsville North – Proserpine No. 7126 132 kV line	QLD	Lightning	INJI
76575	07/08/2020 0830 hrs	07/08/2020 0930 hrs	76578	Goonyella – North Goonyella Tee – Stoney Creek No. 7122 and the Goonyella – Newlands No. 7155 132 kV lines	QLD	Lightning	INJI
76611	12/08/2020 1625 hrs	12/08/2020 1830 hrs	76612	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
76613	13/08/2020 0015 hrs	13/08/2020 0205 hrs	76614	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
76629	13/08/2020 1740 hrs	13/08/2020 1840 hrs	76631	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
76630	13/08/2020 1825 hrs	13/08/2020 2130 hrs	76633	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INJI
76632	13/08/2020 1850 hrs	13/08/2020 2250 hrs	76634	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
76637	14/08/2020 0310 hrs	14/08/2020 0710 hrs	76639	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INJI
76636	14/08/2020 0310 hrs	14/08/2020 0410 hrs	76638	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
76640	14/08/2020 1335 hrs	14/08/2020 1940 hrs	76646	Hazelwood PS – Rowville No. 1 and 2 220 kV lines	VIC	Lightning	INJI
76643	14/08/2020 1730 hrs	14/08/2020 1905 hrs	76645	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
76642	14/08/2020 1730 hrs	14/08/2020 1835 hrs	76644	Sheffield – Wesley Vale 110 kV line and Sheffield – Devonport 110 kV line	TAS	Lightning	INJI
76647	15/08/2020 0040 hrs	15/08/2020 0145 hrs	76649	Hazelwood PS – Rowville No. 1 and 2 220 kV lines	VIC	Lightning	INJI
76648	15/08/2020 0050 hrs	15/08/2020 0240 hrs	46650	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
76651	15/08/2020 0320 hrs	15/08/2020 0440 hrs	76653	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
76652	15/08/2020 0420 hrs	15/08/2020 0525 hrs	76655	Condabri North – Condabri Central No. 7400 and No. 7401 132 kV lines	QLD	Lightning	INJI

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
76656	15/08/2020 0645 hrs	15/08/2020 0750 hrs	76657	Condabri North – Condabri Central No. 7400 and No. 7401 132 kV lines	QLD	Lightning	INJI
76706	15/08/2020 1350 hrs	15/08/2020 1855 hrs	76721	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INJI
76713	15/08/2020 1410 hrs	15/08/2020 1615 hrs	76717	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
76714	15/08/2020 1420 hrs	15/08/2020 1700 hrs	76718	Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	Lightning	INJI
76715	15/08/2020 1430 hrs	15/08/2020 1605 hrs	76716	Condabri North – Condabri Central No. 7400 and No. 7401 132 kV lines	QLD	Lightning	INJI
76719	15/08/2020 1735 hrs	15/08/2020 1840 hrs	76720	Condabri North – Condabri Central No. 7400 and No. 7401 132 kV lines	QLD	Lightning	INJI
76797	18/08/2020 1620 hrs	18/08/2020 1725 hrs	76808	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
76800	18/08/2020 1635 hrs	18/08/2020 2030 hrs	76813	Dederang – Glenrowan No. 1 and No. 3 220 kV lines and Numurkah Solar Farm	VIC	Lightning	INJI
76811	18/08/2020 1740 hrs	18/08/2020 1940 hrs	76812	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
76777	18/08/2020 1825 hrs	19/08/2020 1140 hrs	76833	Brinkworth – Davenport, Brinkworth – Templers West and Para –Templers West 275 kV lines	SA	Other	BOM
76778	18/08/2020 1825 hrs	19/08/2020 1140 hrs	76834	Para – Templers West and Magill – Torrens Island A 275 kV lines	SA	Other	BOM
76862	19/08/2020 2000 hrs	19/08/2020 2105 hrs	76863	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
76883	20/08/2020 1915 hrs	17/11/2020 1615 hrs	80076	Ararat – Crowlands 220 kV line and the Wemen Solar Farm	VIC	Other	DNISP
76897	21/08/2020 0415 hrs	21/08/2020 0520 hrs	76898	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
76899	21/08/2020 0710 hrs	21/08/2020 0815 hrs	76900	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
76901	21/08/2020 0925 hrs	21/08/2020 1055 hrs	76902	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
76922	22/08/2020 1245 hrs	22/08/2020 1445 hrs	76948	Hazelwood PS – Rowville No. 1 and 2 220 kV lines	VIC	Lightning	INJI
76947	22/08/2020 1440 hrs	22/08/2020 1645 hrs	76963	Dederang – Glenrowan No. 1 and No. 3 220 kV lines and Numurkah Solar Farm	VIC	Lightning	INJI
77202	27/08/2020 1730 hrs	27/08/2020 1935 hrs	77207	Hazelwood PS – Rowville No. 1 and 2 220 kV lines	VIC	Lightning	INJI
77203	27/08/2020 1830 hrs	27/08/2020 2130 hrs	77210	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INJI
77204	27/08/2020 1830 hrs	27/08/2020 2130 hrs	77211	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
77205	27/08/2020 1845 hrs	27/08/2020 2140 hrs	77212	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
77206	27/08/2020 1930 hrs	27/08/2020 2035 hrs	77208	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
77311	29/08/2020 1810 hrs	30/08/2020 0655 hrs	77339	Para – Templers West and Magill – Torrens Island A 275 kV lines	SA	Lightning	INJI
77312	29/08/2020 1810 hrs	29/08/2020 1830 hrs	77313	Brinkworth – Davenport, Brinkworth – Templers West and Para –Templers West 275 kV lines	SA	Lightning	INJI
77350	30/08/2020 1645 hrs	Ongoing	Ongoing	Lindisfarne – Risdon No. 1 110 kV line and Arthurs Lake pump	TAS	Other	TNSP
77398	01/09/2020 1220 hrs	02/09/2020 1225 hrs	77413	Brinkworth – Davenport, Brinkworth – Templers West and Para –Templers West 275 kV lines	SA	Other	BOM
77399	01/09/2020 1220 hrs	02/09/2020 1225 hrs	77412	Para – Templers West and Magill – Torrens Island A 275 kV lines	SA	Other	BOM
77465	03/09/2020 1515 hrs	03/09/2020 1815 hrs	77481	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
77467	03/09/2020 1550 hrs	03/09/2020 1750 hrs	77478	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INJI
77468	03/09/2020 1550 hrs	03/09/2020 1750 hrs	77479	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
77480	03/09/2020 1755 hrs	03/09/2020 1855 hrs	77482	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INJI

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
77483	03/09/2020 2040 hrs	03/09/2020 2140 hrs	77484	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
77485	04/09/2020 0155 hrs	04/09/2020 0305 hrs	77487	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
77486	04/09/2020 0155 hrs	04/09/2020 0255 hrs	77488	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INJI
77502	04/09/2020 1350 hrs	04/09/2020 1450 hrs	77503	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
77526	04/09/2020 1855 hrs	04/09/2020 2055 hrs	77527	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
77543	06/09/2020 1910 hrs	07/09/2020 1740 hrs	77586	Para – Templers West and Magill – Torrens Island A 275 kV lines	SA	Other	BOM
77932	18/09/2020 0125 hrs	18/09/2020 0430 hrs	77933	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
78045	19/09/2020 2000 hrs	19/09/2020 2135 hrs	78047	Goonyella – North Goonyella Tee – Stoney Creek No. 7122 and the Goonyella – Newlands No. 7155 132 kV lines	QLD	Lightning	INJI
78065	20/09/2020 1700 hrs	20/09/2020 2245 hrs	78074	Brinkworth – Davenport, Brinkworth – Templers West and Para –Templers West 275 kV lines	SA	Other	BOM
78066	20/09/2020 1700 hrs	20/09/2020 2030 hrs	78072	Para – Templers West and Magill – Torrens Island A 275 kV lines	SA	Other	BOM
78071	20/09/2020 2005 hrs	18/11/2020 1500 hrs	80081	Cherry Gardens – Tailem Bend 275 kV line and Tailem Bend – Mobilong 132 kV line.	SA	Other	TNSP
78077	21/09/2020 0730 hrs	21/09/2020 0930 hrs	78079	Hazelwood PS – Rowville No. 1 and 2 220 kV lines	VIC	Lightning	INJI
78079	21/09/2020 0835 hrs	21/09/2020 1040 hrs	78081	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
78082	21/09/2020 1110 hrs	22/09/2020 1750 hrs	78194	Para–Templers West and Magill–Torrens Island A 275 kV lines	SA	Other	BOM
78084	21/09/2020 1225 hrs	21/09/2020 1430 hrs	78107	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
78118	21/09/2020 1500 hrs	21/09/2020 1605 hrs	78122	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
78119	21/09/2020 1550 hrs	21/09/2020 1655 hrs	78124	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
78120	21/09/2020 1550 hrs	21/09/2020 1655 hrs	78123	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
78121	21/09/2020 1550 hrs	21/09/2020 1655 hrs	78125	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INJI
78127	21/09/2020 1755 hrs	22/09/2020 1750 hrs	78193	Brinkworth – Davenport, Brinkworth – Templers West and Para –Templers West 275 kV lines	SA	Other	BOM
78129	21/09/2020 1940 hrs	21/09/2020 2345 hrs	78131	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
78132	22/09/2020 0015 hrs	22/09/2020 0250 hrs	78135	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
78134	22/09/2020 0150 hrs	22/09/2020 0450 hrs	78136	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
78142	22/09/2020 1010 hrs	22/09/2020 1115 hrs	78158	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
78172	22/09/2020 1310 hrs	22/09/2020 1410 hrs	78180	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
78192	22/09/2020 1525 hrs	22/09/2020 1825 hrs	78195	Hazelwood PS – Rowville No. 1 and 2 220 kV lines	VIC	Lightning	INJI
78198	22/09/2020 2010 hrs	22/09/2020 2115 hrs	78199	Condabri North – Condabri Central No. 7400 and No. 7401 132 kV lines	QLD	Lightning	INJI
78200	22/09/2020 2320 hrs	23/09/2020 0125 hrs	78201	Tarong – Chinchilla 7183 and 7168 132 kV Lines	QLD	Lightning	INJI
78249	25/09/2020 0510 hrs	25/09/2020 0715 hrs	78250	Sheffield – Wesley Vale 110 kV line and Sheffield – Devonport 110 kV line	TAS	Lightning	INJI
78303	25/09/2020 1530 hrs	25/09/2020 1635 hrs	78317	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
78310	25/09/2020 1545 hrs	25/09/2020 1730 hrs	78332	Dederang – Glenrowan No. 1 and No. 3 220 kV lines and Numurkah Solar Farm	VIC	Lightning	INJI
78309	25/09/2020 1545 hrs	25/09/2020 1645 hrs	78319	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
78474	30/09/2020 1325 hrs	01/10/2020 0125 hrs	78477	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
78469	30/09/2020 1830 hrs	01/10/2020 0005 hrs	78475	Dederang – Glenrowan No. 1 and No. 3 220 kV lines and Numurkah Solar Farm	VIC	Lightning	INJI
78471	30/09/2020 1950 hrs	30/09/2020 2350 hrs	78476	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
78472	30/09/2020 2020 hrs	30/09/2020 2120 hrs	78473	Hazelwood PS – Rowville No. 1 and 2 220 kV lines	VIC	Lightning	INJI
78478	01/10/2020 0720 hrs	01/10/2020 0925 hrs	78479	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
78480	01/10/2020 0950 hrs	02/10/2020 1235 hrs	78496	Mt England – Wivenhoe PS No. 823 275 kV line and the Mt England – Wivenhoe PS No. 824 275 kV line	QLD	Other	Generator
78527	03/10/2020 0300 hrs	03/10/2020 0615 hrs	78531	Tungatimah – New Norfolk tee Meadowbank No. 1 and No. 2 110 kV lines	TAS	Lightning	INJI
78528	03/10/2020 0410 hrs	03/10/2020 0610 hrs	78530	Lindisfarne – Sorell 110 kV line and the Lindisfarne – Sorell – Triabunna_Tee 110 kV line	TAS	Lightning	INJI
78529	03/10/2020 0425 hrs	03/10/2020 0615 hrs	78532	Lindisfarne – Mornington No. 1 TEE line and Lindisfarne – Mornington No. 2 TEE line	TAS	Lightning	INJI
78557	04/10/2020 1105 hrs	05/10/2020 1205 hrs	78558	Sheffield – Wesley Vale 110 kV line and Sheffield – Devonport 110 kV line	TAS	Lightning	INJI
78561	05/10/2020 0615 hrs	05/10/2020 0720 hrs	78562	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
78588	07/10/2020 0900 hrs	07/10/2020 0915 hrs	78582	Yallourn units 3 and 4	VIC	Other	Generator
78588	07/10/2020 1510 hrs	16/10/2020 1200 hrs	78901	Blue Gum No. 1 line, No. 11 Generator Transformer CB and Mortlake No. 11 Generator Transformer; No. 2 Bus 500 kV CB and Mortlake No. 11 Generator.	VIC	Other	TNSP, Generator
78599	07/10/2020 2215 hrs	08/10/2020 0015 hrs	78600	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	NSW	Lightning	INJI
78601	08/10/2020 0135 hrs	08/10/2020 0435 hrs	78608	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
78602	08/10/2020 0140 hrs	08/10/2020 0435 hrs	78607	Dederang – Glenrowan No. 1 and No. 3 220 kV lines and Numurkah Solar Farm	VIC	Lightning	INJI

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
78603	08/10/2020 0145 hrs	08/10/2020 0245 hrs	78604	Hazelwood PS – Rowville No. 1 and 2 220 kV lines	VIC	Lightning	INJI
78606	08/10/2020 0350 hrs	08/10/2020 0455 hrs	78610	Hazelwood PS – Rowville No. 1 and 2 220 kV lines	VIC	Lightning	INJI
78609	08/10/2020 0450 hrs	08/10/2020 0550 hrs	78612	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
78611	08/10/2020 0505 hrs	08/10/2020 0610 hrs	78884	Dederang – Glenrowan No. 1 and No. 3 220 kV lines and Numurkah Solar Farm	VIC	Lightning	INJI
78613	08/10/2020 0650 hrs	08/10/2020 0750 hrs	78614	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
78625	09/10/2020 0050 hrs	09/10/2020 0155 hrs	78638	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
78640	09/10/2020 1335 hrs	09/10/2020 1520 hrs	78648	Tungatimah – New Norfolk tee Meadowbank No. 1 and No. 2 110 kV lines	TAS	Lightning	INJI
78643	09/10/2020 1405 hrs	09/10/2020 1505 hrs	78647	Lindisfarne – Sorell 110 kV line and the Lindisfarne – Sorell – Triabunna_Tee 110 kV line	TAS	Lightning	INJI
78644	09/10/2020 1435 hrs	09/10/2020 1635 hrs	78652	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INJI
78688	12/10/2020 0430 hrs	12/10/2020 1430 hrs	78713	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
78689	12/10/2020 1240 hrs	12/10/2020 1910 hrs	78730	Condabri North – Condabri Central No. 7400 and No. 7401 132 kV lines	QLD	Lightning	INJI
78690	12/10/2020 1255 hrs	12/10/2020 1825 hrs	78727	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INJI
78724	12/10/2020 1615 hrs	12/10/2020 1845 hrs	78729	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
78739	13/10/2020 1005 hrs	13/10/2020 1810 hrs	78765	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
78760	13/10/2020 1450 hrs	13/10/2020 1555 hrs	78763	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INJI
78764	13/10/2020 1640 hrs	13/10/2020 1845 hrs	78766	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
78781	14/10/2020 0910 hrs	14/10/2020 1015 hrs	78782	Tungatinah – New Norfolk tee Meadowbank No. 1 and No. 2 110 kV lines	TAS	Lightning	INJI
78837	15/10/2020 0200 hrs	15/10/2020 0330 hrs	78842	Farrell Reece No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
78839	15/10/2020 0225 hrs	15/10/2020 0330 hrs	78841	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
78838	15/10/2020 0225 hrs	15/10/2020 0325 hrs	78840	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INJI
78843	15/10/2020 0330 hrs	15/10/2020 0600 hrs	78859	Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	Lightning	INJI
78856	15/10/2020 0430 hrs	15/10/2020 0605 hrs	78860	Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	Lightning	INJI
78857	15/10/2020 0455 hrs	15/10/2020 0555 hrs	78858	Sheffield – Wesley Vale 110 kV line and Sheffield – Devonport 110 kV line	TAS	Lightning	INJI
78878	15/10/2020 1420 hrs	15/10/2020 1825 hrs	78885	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
78879	15/10/2020 1440 hrs	15/10/2020 1735 hrs	78884	Dederang – Glenrowan No. 1 and No. 3 220 kV lines and Numurkah Solar Farm	VIC	Lightning	INJI
78909	16/10/2020 1505 hrs	16/10/2020 1640 hrs	78922	Dederang – Glenrowan No. 1 and No. 3 220 kV lines and Numurkah Solar Farm	VIC	Lightning	INJI
78925	17/10/2020 1320 hrs	17/10/2020 1625 hrs	78943	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
78926	17/10/2020 1400 hrs	17/10/2020 1730 hrs	78945	Dederang – Glenrowan No. 1 and No. 3 220 kV lines and Numurkah Solar Farm	VIC	Lightning	INJI
78946	17/10/2020 1925 hrs	17/10/2020 2125 hrs	78949	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
78947	17/10/2020 1935 hrs	17/10/2020 2115 hrs	78948	Dederang – Glenrowan No. 1 and No. 3 220 kV lines and Numurkah Solar Farm	VIC	Lightning	INJI
78954	18/10/2020 1500 hrs	18/10/2020 1705 hrs	78961	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
78958	18/10/2020 1600 hrs	18/10/2020 1705 hrs	78960	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
78962	18/10/2020 2040 hrs	18/10/2020 2245 hrs	78964	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INJI
78965	18/10/2020 2315 hrs	19/10/2020 0120 hrs	78966	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INJI
79016	21/10/2020 0815 hrs	21/10/2020 1315 hrs	79032	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
79029	21/10/2020 0905 hrs	21/10/2020 1105 hrs	79030	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INJI
79031	21/10/2020 1125 hrs	21/10/2020 1630 hrs	79044	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INJI
79033	21/10/2020 1415 hrs	21/10/2020 1620 hrs	79041	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
79034	21/10/2020 1510 hrs	21/10/2020 1715 hrs	79047	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
79039	21/10/2020 1600 hrs	21/10/2020 1700 hrs	79046	Chalumbin – Turkinjie No. 7165 and No. 7166 132 kV lines	QLD	Lightning	INJI
79045	21/10/2020 1655 hrs	21/10/2020 2055 hrs	79053	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INJI
79048	21/10/2020 1735 hrs	21/10/2020 1835 hrs	79049	Condabri North – Condabri Central No. 7400 and No. 7401 132 kV lines	QLD	Lightning	INJI
79051	21/10/2020 1905 hrs	21/10/2020 2310 hrs	79056	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
79050	21/10/2020 1905 hrs	21/10/2020 2110 hrs	79055	Ross – Chalumbin 857 and 858 275 kV lines	QLD	Lightning	INJI
79052	21/10/2020 1955 hrs	21/10/2020 2055 hrs	79054	Condabri North – Condabri Central No. 7400 and No. 7401 132 kV lines	QLD	Lightning	INJI
79060	22/10/2020 0445 hrs	22/10/2020 0950 hrs	79065	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
79066	22/10/2020 1000 hrs	22/10/2020 1600 hrs	79071	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INJI
79067	22/10/2020 1400 hrs	22/10/2020 1500 hrs	79069	Condabri North – Condabri Central No. 7400 and No. 7401 132 kV lines	QLD	Lightning	INJI

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
79068	22/10/2020 1415 hrs	22/10/2020 1715 hrs	79074	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
79072	22/10/2020 1615 hrs	22/10/2020 1815 hrs	79075	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
79057	22/10/2020 1635 hrs	22/10/2020 0135 hrs	79059	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INJI
79073	22/10/2020 1645 hrs	22/10/2020 1845 hrs	79078	Chalumbin – Turkinjie No. 7165 and No. 7166 132 kV lines	QLD	Lightning	INJI
79076	22/10/2020 1830 hrs	22/10/2020 1930 hrs	79079	Condabri North – Condabri Central No. 7400 and No. 7401 132 kV lines	QLD	Lightning	INJI
79077	22/10/2020 1835 hrs	22/10/2020 1935 hrs	79080	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
79081	22/10/2020 2010 hrs	22/10/2020 2110 hrs	79083	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INJI
79082	22/10/2020 2100 hrs	22/10/2020 2200 hrs	79084	Condabri North – Condabri Central No. 7400 and No. 7401 132 kV lines	QLD	Lightning	INJI
79102	23/10/2020 0130 hrs	24/10/2020 0025 hrs	79155	Brinkworth – Davenport, Brinkworth – Templers West and Para –Templers West 275 kV lines	SA	Other	BOM
79105	23/10/2020 0635 hrs	23/10/2020 0930 hrs	79108	Dederang – Glenrowan No. 1 and No. 3 220 kV lines and Numurkah Solar Farm	VIC	Lightning	INJI
79106	23/10/2020 0745 hrs	23/10/2020 0845 hrs	79107	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
79122	23/10/2020 1300 hrs	23/10/2020 1645 hrs	79131	Dederang – Glenrowan No. 1 and No. 3 220 kV lines and Numurkah Solar Farm	VIC	Lightning	INJI
79123	23/10/2020 1325 hrs	23/10/2020 1825 hrs	79140	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
79125	23/10/2020 1400 hrs	23/10/2020 1905 hrs	79142	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INJI
79128	23/10/2020 1605 hrs	24/10/2020 0035 hrs	79160	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
79141	23/10/2020 1900 hrs	23/10/2020 2000 hrs	79145	Ross – Chalumbin 857 and 858 275 kV lines	QLD	Lightning	INJI

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
79144	23/10/2020 1930 hrs	23/10/2020 2035 hrs	79147	Chalumbin – Turkinjie No. 7165 and No. 7166 132 kV lines	QLD	Lightning	INJI
79146	23/10/2020 2035 hrs	23/10/2020 2140 hrs	79150	Condabri North – Condabri Central No. 7400 and No. 7401 132 kV lines	QLD	Lightning	INJI
79148	23/10/2020 2115 hrs	23/10/2020 2215 hrs	79151	Ross – Chalumbin 857 and 858 275 kV lines	QLD	Lightning	INJI
79149	23/10/2020 2125 hrs	24/10/2020 0225 hrs	79158	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
79152	23/10/2020 2125 hrs	24/10/2020 0025 hrs	79156	Condabri North – Condabri Central No. 7400 and No. 7401 132 kV lines	QLD	Lightning	INJI
79153	23/10/2020 2315 hrs	24/10/2020 0320 hrs	79159	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INJI
79157	24/10/2020 0050 hrs	24/10/2020 0340 hrs	79161	Condabri North – Condabri Central No. 7400 and No. 7401 132 kV lines	QLD	Lightning	INJI
79187	24/10/2020 1400 hrs	24/10/2020 1800 hrs	79194	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
79188	24/10/2020 1420 hrs	24/10/2020 1545 hrs	79192	Dederang – Glenrowan No. 1 and No. 3 220 kV lines and Numurkah Solar Farm	VIC	Lightning	INJI
79189	24/10/2020 1445 hrs	24/10/2020 1545 hrs	79193	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
79195	24/10/2020 2010 hrs	24/10/2020 2110 hrs	79200	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
79196	24/10/2020 2020 hrs	24/10/2020 2120 hrs	79202	Collinsville Nth – Clare Sth Tee King Creek 7128 132 kV line and Strathmore – Clare South 7208 132 kV line	QLD	Lightning	INJI
79197	24/10/2020 2040 hrs	24/10/2020 2225 hrs	79205	Goonyella – North Goonyella Tee – Stoney Creek No. 7122 and the Goonyella – Newlands No. 7155 132 kV lines	QLD	Lightning	INJI
79199	24/10/2020 2040 hrs	24/10/2020 2140 hrs	79203	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INJI
79201	24/10/2020 2115 hrs	24/10/2020 2220 hrs	79204	Collinsville – Stoney Creek No. 7306 132 kV line and Collinsville – Newlands No. 7121 132 kV line	QLD	Lightning	INJI
79206	25/10/2020 0000 hrs	25/10/2020 0100 hrs	79207	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
79208	25/10/2020 0155 hrs	25/10/2020 0455 hrs	79210	Ross – Chalumbin 857 and 858 275 kV lines	QLD	Lightning	INJI
79223	25/10/2020 1230 hrs	25/10/2020 1650 hrs	79244	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INJI
79236	25/10/2020 1345 hrs	25/10/2020 1430 hrs	79239	Chalumbin – Turkinjie No. 7165 and No. 7166 132 kV lines	QLD	Lightning	INJI
79240	25/10/2020 1520 hrs	25/10/2020 1720 hrs	79245	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INJI
79241	25/10/2020 1600 hrs	25/10/2020 1930 hrs	79252	Ross – Chalumbin 857 and 858 275 kV lines	QLD	Lightning	INJI
79242	25/10/2020 1600 hrs	25/10/2020 1735 hrs	79253	Chalumbin – Turkinjie No. 7165 and No. 7166 132 kV lines	QLD	Lightning	INJI
79243	25/10/2020 1630 hrs	25/10/2020 1735 hrs	79247	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
79246	25/10/2020 1730 hrs	25/10/2020 2130 hrs	79256	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INJI
79248	25/10/2020 1805 hrs	25/10/2020 1905 hrs	79250	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INJI
79249	25/10/2020 1840 hrs	25/10/2020 2045 hrs	79255	Collinsville Nth – Clare Sth Tee King Creek 7128 132 kV line and Strathmore – Clare South 7208 132 kV line	QLD	Lightning	INJI
79251	25/10/2020 1915 hrs	25/10/2020 2015 hrs	79254	Condabri North – Condabri Central No. 7400 and No. 7401 132 kV lines	QLD	Lightning	INJI
79257	25/10/2020 2150 hrs	25/10/2020 2255 hrs	79259	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INJI
79258	25/10/2020 2230 hrs	26/10/2020 0130 hrs	79260	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INJI
79267	26/10/2020 1320 hrs	26/10/2020 1420 hrs	79275	Ross – Chalumbin 857 and 858 275 kV lines	QLD	Lightning	INJI
79268	26/10/2020 1345 hrs	26/10/2020 2115 hrs	79302	Collinsville Nth – Clare Sth Tee King Creek 7128 132 kV line and Strathmore – Clare South 7208 132 kV line	QLD	Lightning	INJI
79272	26/10/2020 1355 hrs	26/10/2020 2100 hrs	79300	Collinsville North – Proserpine No. 7125 132 kV line and Collinsville North – Proserpine No. 7126 132 kV line	QLD	Lightning	INJI

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
79271	26/10/2020 1355 hrs	26/10/2020 1955 hrs	79296	Goonyella – North Goonyella Tee – Stoney Creek No. 7122 and the Goonyella – Newlands No. 7155 132 kV lines	QLD	Lightning	INJI
79274	26/10/2020 1405 hrs	26/10/2020 2105 hrs	79301	Collinsville – Stoney Creek No. 7306 132 kV line and Collinsville – Newlands No. 7121 132 kV line	QLD	Lightning	INJI
79276	26/10/2020 1440 hrs	26/10/2020 1610 hrs	79277	Ross – Chalumbin 857 and 858 275 kV lines	QLD	Lightning	INJI
79278	26/10/2020 1625 hrs	26/10/2020 2000 hrs	79297	Ross – Chalumbin 857 and 858 275 kV lines	QLD	Lightning	INJI
79294	26/10/2020 1755 hrs	26/10/2020 2000 hrs	79298	Chalumbin – Turkinjie No. 7165 and No. 7166 132 kV lines	QLD	Lightning	INJI
79299	26/10/2020 2030 hrs	26/10/2020 2130 hrs	79303	Chalumbin – Turkinjie No. 7165 and No. 7166 132 kV lines	QLD	Lightning	INJI
79304	26/10/2020 2155 hrs	26/10/2020 2355 hrs	79305	Collinsville Nth–Clare Sth Tee King Creek 7128 132 kV line and Strathmore–Clare South 7208 132 kV line	QLD	Lightning	INJI
79308	27/10/2020 1120 hrs	27/10/2020 1620 hrs	79316	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INJI
79310	27/10/2020 1140 hrs	27/10/2020 1640 hrs	79318	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
79312	27/10/2020 1420 hrs	27/10/2020 1520 hrs	79314	Goonyella – North Goonyella Tee – Stoney Creek No. 7122 and the Goonyella – Newlands No. 7155 132 kV lines	QLD	Lightning	INJI
79315	27/10/2020 1530 hrs	27/10/2020 1830 hrs	79321	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INJI
79317	27/10/2020 1635 hrs	27/10/2020 1740 hrs	79319	Goonyella – North Goonyella Tee – Stoney Creek No. 7122 and the Goonyella – Newlands No. 7155 132 kV lines	QLD	Lightning	INJI
79320	27/10/2020 1755 hrs	27/10/2020 1855 hrs	79322	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
79323	27/10/2020 2015 hrs	27/10/2020 2315 hrs	79325	Goonyella – North Goonyella Tee – Stoney Creek No. 7122 and the Goonyella – Newlands No. 7155 132 kV lines	QLD	Lightning	INJI
79324	27/10/2020 2235 hrs	28/10/2020 0035 hrs	79326	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
79328	28/10/2020 0350 hrs	28/10/2020 0450 hrs	79329	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
79331	28/10/2020 0600 hrs	28/10/2020 0700 hrs	79332	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
79333	28/10/2020 0745 hrs	28/10/2020 0845 hrs	79334	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
79335	28/10/2020 1105 hrs	28/10/2020 1205 hrs	79337	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INJI
79336	28/10/2020 1130 hrs	29/10/2020 0203 hrs	79409	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INJI
79338	28/10/2020 1230 hrs	29/10/2020 0230 hrs	79409	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INJI
79341	28/10/2020 1235 hrs	29/10/2020 0230 hrs	79409	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INJI
79342	28/10/2020 1235 hrs	28/10/2020 2005 hrs	79403	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
79340	28/10/2020 1235 hrs	28/10/2020 1435 hrs	79346	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
79339	28/10/2020 1235 hrs	29/10/2020 0230 hrs	79409	Tarong – Chinchilla 7183 and 7168 132 kV Lines	QLD	Lightning	INJI
79345	28/10/2020 1405 hrs	28/10/2020 1710 hrs	79382	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INJI
79347	28/10/2020 1440 hrs	28/10/2020 1740 hrs	79394	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
79348	28/10/2020 1440 hrs	28/10/2020 1640 hrs	79376	Condabri North – Condabri Central No. 7400 and No. 7401 132 kV lines	QLD	Lightning	INJI
79351	28/10/2020 1500 hrs	28/10/2020 1955 hrs	79401	Dederang – Glenrowan No. 1 and No. 3 220 kV lines and Numurkah Solar Farm	VIC	Lightning	INJI
79374	28/10/2020 1610 hrs	28/10/2020 2110 hrs	79404	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
79373	28/10/2020 1610 hrs	28/10/2020 1910 hrs	79397	Collinsville North – Proserpine No. 7125 132 kV line and Collinsville North – Proserpine No. 7126 132 kV line	QLD	Lightning	INJI
79379	28/10/2020 1705 hrs	28/10/2020 1810 hrs	79396	Hazelwood PS – Rowville No. 1 and 2 220 kV lines	VIC	Lightning	INJI

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
79378	28/10/2020 1705 hrs	28/10/2020 1805 hrs	79395	Collinsville – Stoney Creek No. 7306 132 kV line and Collinsville – Newlands No. 7121 132 kV line	QLD	Lightning	INJI
79398	28/10/2020 1915 hrs	28/10/2020 2015 hrs	79406	Goonyella – North Goonyella Tee – Stoney Creek No. 7122 and the Goonyella – Newlands No. 7155 132 kV lines	QLD	Lightning	INJI
79402	28/10/2020 2005 hrs	28/10/2020 2115 hrs	79405	Collinsville North – Proserpine No. 7125 132 kV line and Collinsville North – Proserpine No. 7126 132 kV line	QLD	Lightning	INJI
79424	29/10/2020 1120 hrs	29/10/2020 1820 hrs	79452	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
79427	29/10/2020 1300 hrs	29/10/2020 1805 hrs	79451	Hazelwood PS – Rowville No. 1 and 2 220 kV lines	VIC	Lightning	INJI
79428	29/10/2020 1335 hrs	29/10/2020 1740 hrs	79450	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INJI
79437	29/10/2020 1550 hrs	29/10/2020 1835 hrs	79453	Dederang – Glenrowan No. 1 and No. 3 220 kV lines and Numurkah Solar Farm	VIC	Lightning	INJI
79471	30/10/2020 1340 hrs	30/10/2020 1850 hrs	79481	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
79477	30/10/2020 1540 hrs	30/10/2020 2020 hrs	79484	Dederang – Glenrowan No. 1 and No. 3 220 kV lines and Numurkah Solar Farm	VIC	Lightning	INJI
79478	30/10/2020 1605 hrs	30/10/2020 1805 hrs	79480	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
79482	30/10/2020 1915 hrs	31/10/2020 0015 hrs	79487	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
79483	30/10/2020 1955 hrs	31/10/2020 0000 hrs	79486	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI
79489	31/10/2020 0340 hrs	31/10/2020 0540 hrs	79491	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INJI
79492	31/10/2020 0645 hrs	31/10/2020 1045 hrs	79494	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
79495	31/10/2020 1120 hrs	31/10/2020 1620 hrs	79510	Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	Lightning	INJI
79498	31/10/2020 1210 hrs	31/10/2020 1315 hrs	79500	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI

Start MN	Start of Event	End of Event	End MN	Equipment	Region	Reason	Source
79497	31/10/2020 1210 hrs	31/10/2020 1310 hrs	79499	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
79501	31/10/2020 1335 hrs	31/10/2020 1635 hrs	79512	Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	Lightning	INJI
79502	31/10/2020 1340 hrs	31/10/2020 1910 hrs	79514	Dederang – Glenrowan No. 1 and No. 3 220 kV lines and Numurkah Solar Farm	VIC	Lightning	INJI
79503	31/10/2020 1405 hrs	31/10/2020 1505 hrs	79509	Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	Lightning	INJI
79504	31/10/2020 1405 hrs	31/10/2020 0005 hrs	79513	Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	Lightning	INJI
79515	31/10/2020 2000 hrs	31/10/2020 2105 hrs	79517	Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	Lightning	INJI

A2. Number of reclassification events on each element, 1 May 2020 to 31 October 2020

Table 3 Number of times reclassification events occurred on each element, 1 May 2020 to 31 October 2020

Element	Region	Number of times reclassified				
		Bushfires	Lightning	Severe weather	Other	Total
Bayswater – Mt Piper No. 5A3 and Wollar – Mt Piper No. 5A5 500 kV line	NSW	0	34	0	0	34
Lismore – Dunoon 9U6 132 kV line and Lismore – Dunoon 9U7 132 kV line	NSW	0	13	0	0	13
Loss of multiple generating units at Eraring Power Station	NSW	0	0	0	1	1
Bulli Creek – Dumaresq 8L and 8M 330 kV line	QLD	0	32	0	0	32
Chalumbin – Turkinjie No. 7165 and No. 7166 132 kV lines	QLD	0	7	0	0	7
Collinsville – Stoney Creek No. 7306 132 kV line and Collinsville – Newlands No. 7121 132 kV line	QLD	0	4	0	0	4
Collinsville North – Proserpine No. 7125 132 kV line and Collinsville North – Proserpine No. 7126 132 kV line	QLD	0	6	0	0	6
Collinsville Nth – Clare Sth Tee King Creek 7128 132 kV line and Strathmore– Clare South 7208 132 kV line	QLD	0	7	0	0	7
Condabri North – Condabri Central No. 7400 and No. 7401 132 kV lines	QLD	0	18	0	0	18
Goonyella – North Goonyella Tee – Stoney Creek No. 7122 and the Goonyella – Newlands No. 7155 132 kV lines	QLD	0	10	0	0	10

Element	Region	Number of times reclassified				
		Bushfires	Lightning	Severe weather	Other	Total
Mt England – Wivenhoe PS No. 823 275 kV line and the Mt England – Wivenhoe PS No. 824 275 kV line	QLD	0	0	0	1	1
Ross – Chalumbin 857 and 858 275 kV lines	QLD	0	10	0	0	10
Tarong – Chinchilla 7183 and 7168 132 kV lines	QLD	0	22	0	0	22
Brinkworth – Davenport, Brinkworth – Templers West and Para – Templers West 275 kV lines	SA	0	1	10	0	11
Cherry Gardens – Tailem Bend 275 kV line and Tailem Bend – Mobilong 132 kV line	SA	0	0	0	1	1
Para–Templers West and Magill–Torrens Island A 275 kV lines	SA	0	1	8	0	9
South East No. 2 275/132 kV Transformer and both the South East No. 1 and No. 2 275 kV SVCs	SA	0	0	0	1	1
South East No. 1 and No. 2 275 kV SVCs	SA	0	0	0	2	2
Chapel St – Liapootah No. 1 and No. 2 220 kV lines	TAS	0	1	0	0	1
Farrell – John Butters 220 kV line & Farrell – Rosebery Tee Queenstown – Newton 110 kV line	TAS	0	10	0	0	10
Farrell – Sheffield No. 1 and No. 2 220 kV lines	TAS	0	11	0	0	11
Farrell Reece No. 1 and No. 2 220 kV lines	TAS	0	10	0	0	10
Lindisfarne – Mornington No. 1 Tee line and Lindisfarne – Mornington No. 2 Tee line	TAS	0	3	0	0	3
Lindisfarne – Risdon No. 1 110 kV line and Arthurs Lake pump	TAS	0	0	0	1	1
Lindisfarne – Sorell 110 kV line and the Lindisfarne – Sorell – Triabunna_Tee 110 kV line	TAS	0	3	0	0	3
Sheffield – Wesley Vale 110 kV line and Sheffield – Devonport 110 kV line	TAS	0	5	0	0	5
Sheffield Farrell No 1 220 kV line and Farrell A 220 kV bus	TAS	0	0	0	1	1
Tungatinah – New Norfolk Tee Meadowbank No. 1 and No. 2 110 kV lines	TAS	0	5	0	0	5
Ararat – Crowlands 220 kV line and the Wemen Solar Farm	VIC	0	0	0	1	1

Element	Region	Number of times reclassified				
		Bushfires	Lightning	Severe weather	Other	Total
Blue Gum No. 1 line, No. 11 Generator Transformer CB and Mortlake No. 11 Generator Transformer; No. 2 Bus 500 kV CB and Mortlake No. 11 Generator.	VIC	0	0	0	1	1
Dederang – Glenrowan No. 1 and No. 3 220 kV lines and Numurkah Solar Farm	VIC	0	17	0	0	17
Eildon – Mt Beauty No. 1 and No. 2 220 kV lines	VIC	0	39	0	0	39
Glenrowan – Dederang No. 1 and No. 3 220 kV lines	VIC	0	13	0	0	13
Hazelwood PS – Rowville No. 1 and 2 220 kV lines	VIC	0	18	0	0	18
Hazelwood PS – Yallourn No. 1 and 2 220 kV lines	VIC	0	0	0	1	1
Numurkah Solar Farm and any 220 kV transmission line between Dederang and Bendigo Terminal Stations	VIC	0	0	0	1	1
Yallourn units 1 and 3	VIC	0	0	0	1	1
Yallourn units 1, 3 and 4	VIC	0	0	0	1	1
Yallourn units 3 and 4	VIC	0	0	0	1	1

A3. Non-credible contingency events, 1 May 2020 to 31 October 2020

Table 4 lists all *non-credible contingency events* that occurred during the reporting period, and AEMO’s assessment of whether to reclassify each event as credible. The rows highlighted in blue in Table 4 explain the contingency events corresponding to the reclassifications highlighted in blue in Appendix A1.

Table 4 Non-credible contingency events, 1 May 2020 to 31 October 2020

Date of contingency	Description	Region	Primary cause	Was the contingency then reclassified?	Comments
08/05/2020 1112 hrs	Trip of Barron Gorge – Kamerunga 7184 and 7143 132 kV lines	QLD	Human Error	No	Powerlink advised that Barron Gorge Power station staff were doing protection work and inadvertently sent inter-trip signals to Powerlink, which resulted in the lines tripping. AEMO did not reclassify this event as credible as the cause has been identified and rectified.
14/05/2020 0439 hrs	Trip of Burrinjuck 132 kV bus	NSW	Protection and Control	No	TransGrid identified the cause as faulty protection. AEMO did not reclassify this event as credible as the cause has been identified and the faulty protection has been isolated.
07/06/2020 1333 hrs	Trip of Vales Point units 5 and 6	NSW	Faulty Equipment	No	Both the Vales Point units 5 and 6 tripped from 600 MW for a total loss of generation of 1200 MW. On 09/06/2020, Delta Electricity informed that the cause was a faulty Vales Point unit 6 415 V motor over temperature protection. AEMO did not reclassify this event as credible as the cause has been identified and rectified.
16/07/2020 0842 hrs	Trip of Bell Bay Aluminium Potline 2 and 3	TAS	Faulty Equipment	No	TasNetworks advised the cause was due to a faulty fire detector which was disabled and the event was unlikely to re-occur. AEMO did not reclassify this event as credible as the cause has been identified and rectified.
04/08/2020 1819 hrs	Trip of Creek Road – North Hobart No. 1 and No. 2 110 kV lines	TAS	Faulty Equipment	No	TasNetworks advised that the cause was identified as slow fault clearance on the 11 kV network and protection operated as expected. AEMO did not reclassify this event as credible as the cause has been identified and rectified.

Date of contingency	Description	Region	Primary cause	Was the contingency then reclassified?	Comments
20/08/2020 1235 hrs	Trip of Ararat – Crowlands 220 kV lines and Wemen Solar Farm	VIC	Protection and Control	Yes	The trip of Wemen Solar Farm with the Ararat – Crowlands 220 kV line is not an expected operation. The trip of the line was caused by an unexpected operation of X current differential protection due to its sensitive current differential threshold setting. There was no fault on the line. The cause of solar farm trip was initially unknown and the event was reclassified as credible. It was identified that Wemen Solar Farm tripped due to an unexpected operation of the anti-islanding scheme, which was caused by the voltage vector shift protection. The reclassification was cancelled at 1615 hrs on 17/11/2020 as the cause has been identified and rectified.
30/08/2020 1209 hrs	Trip of Lindisfarne Risdon 110 kV No. 1 line	TAS	Faulty Equipment	Yes	The event was reclassified as credible and the cause was initially unknown. TasNetworks later advised that a failed overhead earth wire caused a series of faults on the Lindisfarne – Risdon No. 1 110 kV transmission circuit. The faults were cleared by differential protection installed on the line and included two unsuccessful reclose attempts. As a result of the network disturbances, approximately 100 MW of load at Nyrstar was disconnected along with the Arthurs Lake pumping station. The initial reclassification was updated to consider the simultaneous reduction of Nyrstar load with the fault and trip of any 110 kV circuit south of Liapootah substation.
08/09/2020 0839 hrs	Trip of Wodonga – No. 1 and No. 2 330 kV bus	VIC	Protection and Control	No	The cause was associated with faulty No. 1 and No. 2 330 kV/66 kV transformer X protection. X Protection was returned to service following rectification of the fault. AEMO did not reclassify this event as credible as the cause has been identified and rectified.
20/09/2020 1736 hrs	Trip and auto-reclose of Cherry Gardens – Taillem Bend 275 kV line and Taillem Bend – Mobilong 132 kV line at the Taillem Bend end only	SA	Suspect Lightning (for the trip of Cherry Gardens – Taillem Bend 275 kV line) Protection and Control (for the trip of Taillem Bend – Mobilong 132 kV line)	Yes	The event was reclassified as credible and the cause was initially unknown. There was lightning in the vicinity at the time. The trip of the Cherry Gardens – Taillem Bend 275 kV line was most likely due to lightning. However, the Taillem Bend – Mobilong 132 kV line opened at one end only due to a protection malfunction. ElectraNet later advised that setting changes have been made to protection. The reclassification was cancelled at 1500 hrs on 18/11/2020 as the cause has been identified and rectified.

Date of contingency	Description	Region	Primary cause	Was the contingency then reclassified?	Comments
30/09/2020 1252 hrs	Trip of Mount England – Wivenhoe No. 823 and 824 275 kV lines	QLD	Human Error	Yes	The event was reclassified as credible as the cause was initially unknown. It was later identified that the loss of 823 and 824 lines was due to the loss of the 24 Volt (V) control system supply at Wivenhoe Power Station, which was caused by human error when returning a battery charger to service. CleanCo has identified and implemented several remedial actions to prevent a re-occurrence of a similar event. The reclassification was cancelled at 1235 hrs on 02/10/2020 as the cause has been identified and rectified.
07/10/2020 0831 hrs	Trip of Yallourn Power Station unit 2	VIC	Faulty Equipment	Yes	Yallourn unit 2 tripped due to an auxiliary board supply electrical issue. AEMO reclassified the trip of Yallourn units 3 and 4 as credible following advice from Energy Australia relating to the existence of a station auxiliary board electrical issue. The reclassification was cancelled at 0915 hrs on 07/10/2020 as the issue has been resolved.
07/10/2020 1321 hrs	Trip of Mortlake No. 11 generator	VIC	Protection and Control	Yes	The Mortlake Power Station Blue Gum No. 1 line and No. 11 Generator transformer 500 kV circuit breaker tripped as a result of planned works. This caused Mortlake No. 11 generator transformer No. 2 bus 500 kV circuit breaker and No. 11 generator 20 kV circuit breaker to also trip, resulting in the Mortlake No. 11 generator tripping. The cause was initially unknown and AEMO reclassified this event as credible. The cause was identified as an unexpected trip at Mortlake Power Station during protection maintenance work due to a design error in the circuit breaker management relay. The design has now been updated. The reclassification was cancelled at 1200 hrs on 16/10/2020 as the cause has been identified and rectified.
07/10/2020 1703 hrs	Trip of Valley Power Gas units 1-6	VIC	Suspect Faulty Equipment	No	All six units at Valley Power tripped following the trip of No. 1 generator 11 kV circuit breaker. Snowy Hydro advised that the No. 1 generator tripped the local over frequency control, which had a flow on effect to the other generators at the station. The cause was unknown and continued to be investigated by Snowy Hydro. AEMO didn't reclassify the event as credible as the No. 1 generator was subsequently isolated and units 2-6 were made available.
16/10/2020 0610 hrs	Trip of Brinkworth – Templers West and Brinkworth – Davenport 275 kV lines	SA	Faulty Equipment	No	The trip was caused by the failure of a current transformer at Brinkworth. All protection systems operated as expected. AEMO did not reclassify this event as credible as the cause has been identified and rectified.

Date of contingency	Description	Region	Primary cause	Was the contingency then reclassified?	Comments
23/10/2020 1442 hrs	Trip of Davenport – Bungama 275 kV line and East 275 kV busbar at Davenport	SA	Faulty Equipment	No	The cause was identified as relating to wiring issues. The 275 kV line circuit breaker associated with the 275 kV busbar was isolated. AEMO did not reclassify this event as credible as the cause has been identified and rectified.
27/10/2020 1022 hrs	Trip of Newport D Power Station No. 2 220 kV busbar	VIC	Faulty Equipment	No	AusNet advised of a SF6 leak associated with the 220 kV circuit breaker at Newport D Power Station located within internal compartments of the circuit breaker and on the bus side of the compartment. Busbar protection operated as designed. AEMO did not reclassify this event as credible as the cause has been identified and rectified.
31/10/2020 1115 hrs	Trip of Chapel St – Gordon No. 1 and No. 2 220 kV lines and Gordon Power Station	TAS	Human Error	No	The Tasmania Fire Service were conducting a controlled burn at the time which became out of control. TasNetworks advised that the fire had been water bombed and was clear of the lines. AEMO did not reclassify this event as credible as the cause has been identified and rectified.

A4. Binding reclassification constraints, 1 May 2020 to 31 October 2020

Table 5 Reclassification constraints that bound, 1 May 2020 to 31 October 2020

Reclassification start time	Reclassification end time	Reclassified equipment	Constraint	Number of Dispatch Intervals binding
7/05/2020 1900 hrs	7/05/2020 2010 hrs	Farrell – Sheffield No. 1 and No. 2 220 kV lines	T_T_FASH_1_N-2	11
			F_T++FASH_N-2_TG_R5	4
			F_T++FASH_N-2_TG_R6	2
			T_T_FASH_10_N-2	8
			F_T++FASH_N-2_TG_R60	5
			T_T_FASH_2_N-2	3
9/05/2020 1240 hrs	9/05/2020 1340 hrs	Farrell – Sheffield No. 1 and No. 2 220 kV lines	T_T_FASH_1_N-2	12
			F_T+FASH_N-2_TG_R5	12
			F_T+FASH_N-2_TG_R6_2	12
			T_T_FASH_10_N-2	12
			F_T+FASH_N-2_TG_R60	11
			F_T+FASH_N-2_TG_R6_1	1

Reclassification start time	Reclassification end time	Reclassified equipment	Constraint	Number of Dispatch Intervals binding
			F_T+FASH_N-2_RREG	1
19/05/2020 2245 hrs	20/05/2020 0145 hrs	Farrell – Sheffield No. 1 and No. 2 220 kV lines	F_T++FASH_N-2_TG_R5	18
			F_T++FASH_N-2_TG_R60	35
			T_T_FASH_10_N-2	17
			T_T_FASH_1_N-2	36
			F_T++FASH_N-2_TG_R6	21
19/05/2020 2245 hrs	20/05/2020 0145 hrs	Farrell Reece No. 1 and No. 2 220 kV lines	F_T+FARE_N-2_RREG	1
20/05/2020 0430 hrs	20/05/2020 0550 hrs	Farrell – Sheffield No. 1 and No. 2 220 kV lines	F_T+FASH_N-2_RREG	16
			F_T++FASH_N-2_TG_R5	3
			F_T++FASH_N-2_TG_R6	4
			T_T_FASH_1_N-2	16
			F_T++FASH_N-2_TG_R60	1
			T_T_FASH_10_N-2	4
16/06/2020 1645 hrs	16/06/2020 1750 hrs	Tungatinah - New Norfolk Tee Meadowbank No. 1 and No. 2 110 kV lines	T>T_TU_MB_NN_N-2_1	10
3/07/2020 1900 hrs	13/07/2020 1100 hrs	Yallourn units 1, 3 and 4	N^V_NIL_YW134_N-2	1,534

Reclassification start time	Reclassification end time	Reclassified equipment	Constraint	Number of Dispatch Intervals binding
4/08/2020 2040 hrs	4/08/2020 2345 hrs	Farrell Reece No. 1 and No. 2 220 kV lines	F_T+FARE_N-2_RREG	1
15/08/2020 0050 hrs	15/08/2020 0240 hrs	Farrell – Sheffield No. 1 and No. 2 220 kV lines	F_T+FASH_N-2_RREG	1
			T_T_FASH_10_N-2	2
			T_T_FASH_2_N-2	22
27/08/2020 1830 hrs	27/08/2020 2130 hrs	Farrell Reece No. 1 and No. 2 220 kV lines	F_T+FARE_N-2_TG_R5	4
			F_T+FARE_N-2_TG_R6_1	4
			F_T+FARE_N-2_TG_R60	10
27/08/2020 1845 hrs	27/08/2020 2140 hrs	Farrell – Sheffield No. 1 and No. 2 220 kV lines	T_T_FASH_2_N-2	3
			T_T_FASH_10_N-2	3
			F_T+FASH_N-2_TG_R60	7
			T_T_FASH_1_N-2	5
3/09/2020 1550 hrs	3/09/2020 1750 hrs	Farrell – Sheffield No. 1 and No. 2 220 kV lines	T_T_FASH_7_N-2	24
4/09/2020 0155 hrs	4/09/2020 0305 hrs	Farrell – Sheffield No. 1 and No. 2 220 kV lines	T_T_FASH_1_N-2	7
			F_T+FASH_N-2_RREG	8
			F_T++FASH_N-2_TG_R60	12
			T_T_FASH_2_N-2	7

Reclassification start time	Reclassification end time	Reclassified equipment	Constraint	Number of Dispatch Intervals binding
21/09/2020 1550 hrs	21/09/2020 1655 hrs	Farrell Reece No. 1 and No. 2 220 kV lines	F_T+FARE_N-2_TG_R5	1
21/09/2020 1550 hrs	21/09/2020 1655 hrs	Farrell – Sheffield No. 1 and No. 2 220 kV lines	T_T_FASH_2_N-2	2
			T_T_FASH_10_N-2	7
			F_T+FASH_N-2_TG_R5	2
22/09/2020 0015 hrs	22/09/2020 0250 hrs	Farrell Reece No. 1 and No. 2 220 kV lines	F_T+FARE_N-2_TG_R5	4
			F_T+FARE_N-2_TG_R60	4
			F_T+FARE_N-2_TG_R6_2	4
15/10/2020 0200 hrs	15/10/2020 0330 hrs	Farrell Reece No. 1 and No. 2 220 kV lines	F_T+FARE_N-2_TG_R6_2	4
			F_T+FARE_N-2_TG_R5	4
15/10/2020 0225 hrs	15/10/2020 0330 hrs	Farrell – Sheffield No. 1 and No. 2 220 kV lines	T_T_FASH_7_N-2	13
15/10/2020 0330 hrs	15/10/2020 0600 hrs	Farrell – Sheffield No. 1 and No. 2 220 kV lines	T_T_FASH_7_N-2	26
			T_T_FASH_8_N-2	1