



Jemena Electricity Networks (Vic) Ltd

2023 Annual Compliance Report

Legislated Bushfire Mitigation Programs

As at 30 April 2023



1. Overview

Under Section 120P of the Electricity Safety Act, Jemena Electricity Networks (Vic) Ltd (JEN) is required to submit an Annual Compliance Report to ESV before 1 August each year.

The report covers the status of three additional bushfire mitigation duties as:

- installation of Rapid Earth Fault Current Limiters (**REFCL**) (or similar technology) with performance capacities as prescribed in the bushfire mitigation regulations;
- construction of electric power lines in areas defined “Electric Line Construction Areas” (**ELCA**) in the Act; and
- installation of Automatic Circuit Reclosers (**ACR**) for Single Wire Earth Return (**SWER**) lines.

JEN does not have electric power lines in ELCA and all SWER lines were removed by 2012. The status of the delivery of the prescribed RECFL at JEN Zone Substation, Coolaroo (**COO**), is reported below.

2. S 120 p Annual Compliance Report

2.1.1 REFCL Program Status [S120 P (1) a(i)] (as at 30 April 2023)

JEN REFCL Project Activities		Date Completed	Percentage Completed	Weightings (indicative only)
Initiate	Business Case commenced	Feb 2021	100%	5%
	Business Case approval	Jun 2021	100%	5%
Design	Design commenced	Jan 2021	100%	5%
	Design complete	Mar 2023	100%	5%
Procurement	No. of REFCL units required		Two (2)	
	REFCL order placed	Aug 2021	100%	5%
	REFCL delivered to site	Dec 2022	100%	10%
Construction-Lines	Line works commenced	Sep 2021	100%	5%
	Line works completed	Apr 2023	100%	10%
Construction-Stations	Station works commenced	Nov 2021	100%	5%
	Station works complete	Dec 2022	100%	10%
Construction-Third Party	No. of affected HV Customer Connections		Two (2)	
	HV customer works commenced	Sep 2021	100%	5%
	HV customer works complete ¹		100%	10%
Testing/Commissioning	REFCL testing/commissioning commenced	Jan 2023	100%	5%
	REFCL commissioned and operable	Feb 2023	100%	5%
Close-out	REFCL at “required capacity”	Apr 2023	100%	10%
Total Weighted Percentage Complete			100%	100%

Notes:

The above table reflects the status of JEN's REFCL program for the reporting period (1 May 22 to 30 Apr 23) and includes

- (a) completion of REFCL installation works at COO;
- (b) successful demonstration of Required Capacity at COO;
- (c) completion of distribution works to meet JEN's exemption as granted on 27 April 2023

¹ To support a HV customer (MTM) who has been delayed on their works, JEN has provided a temporary non-REFCL supply solution to eliminate risk of damage to customer's infrastructure during REFCL operations. Once the customer has commissioned their upgraded infrastructure, supply to Roxburgh Park traction substation will revert back to COO. The works being undertaken by HV customer (MTM) for Roxburgh Park traction substation are scheduled for completion in November 2023.

2.1.2 ELCA Program Status [S120 P (1) a(ii)]

Total HV Electric Line Volumes	At 1 May 2022	At 30 April 2023	Progress over Reporting Period
Bare Construction in ELCA	Route Km	Route Km	Route Km
Polyphase	0.0	0.0	0.0
SWER	0.0	0.0	0.0
Covered or Underground Construction in ELCA	Route Km	Route Km	Route Km
Polyphase	0.0	0.0	0.0
SWER	0.0	0.0	0.0

Note: There are no areas mandated as ELCA in the JEN distribution area. Therefore as defined by legislation, JEN is fully compliant with this bushfire mitigation obligation/duty.

2.1.3 SWER ACR Program [S120 P (1) a(iii)]

ACR Name	Feeder	Completion Date
Not Applicable	Not Applicable	Not Applicable

Note: JEN does not own or operate any SWER lines. Therefore as defined by legislation, JEN is fully compliant with this bushfire mitigation obligation/duty.

2.2.1 REFCL Program Status [S120 P (1) c(i)] (as at 30 April 2024)

JEN REFCL Project Activities		Date Completed	Percentage Completed	Weightings (indicative only)
Initiate	Business Case commenced	Feb 2021	100%	5%
	Business Case approval	Jun 2021	100%	5%
Design	Design commenced	Jan 2021	100%	5%
	Design complete	Mar 2023	100%	5%
Procurement	No. of REFCL units required		Two (2)	
	REFCL order placed	Aug 2021	100%	5%
	REFCL delivered to site	Dec 2022	100%	10%
Construction-Lines	Line works commenced	Sep 2021	100%	5%
	Line works completed	Apr 2023	100%	10%
Construction-Stations	Station works commenced	Nov 2021	100%	5%
	Station works complete	Dec 2022	100%	10%
Construction-Third Party	No. of affected HV Customer Connections		Two (2)	
	HV customer works commenced	Jul 2021	100%	5%
	HV customer works complete ²	Nov 2023	100%	10%
Testing/Commissioning	REFCL testing/commissioning commenced	Jan 2023	100%	5%
	REFCL commissioned and operable	Feb 2023	100%	5%
Close-out	REFCL at “required capacity”	Apr 2023	100%	10%
Total Weighted Percentage Complete			100.0%	100%

² The above table reflects the status of JEN's REFCL program for the reporting period (1 May 23 to 30 Apr 24) and includes completion of works by HV customer (MTM) for Roxburgh Park traction substation.

2.2.2 ELCA Program Status [S120 P (1) c(ii)]

Total HV Electric Line Volumes	At 1 May 2024	At 30 April 2024	Progress over Reporting Period
Bare Construction in ELCA	Route Km	Route Km	Route Km
Polyphase	0.0	0.0	0.0
SWER	0.0	0.0	0.0
Covered or Underground Construction in ELCA	Route Km	Route Km	Route Km
Polyphase	0.0	0.0	0.0
SWER	0.0	0.0	0.0

Note: There are no areas mandated as ELCA in the JEN distribution area. Therefore as defined by legislation, JEN is fully compliant with this bushfire mitigation obligation/duty.

2.2.3 SWER ACR Program [S120 P (1) c(iii)]

ACR Name	Feeder	Completion Date
Not Applicable	Not Applicable	Not Applicable

Note: JEN does not own or operate any SWER lines. Therefore as defined by legislation, JEN is fully compliant with this bushfire mitigation obligation/duty.

Board Approval

The Jemena Board approves the Annual Compliance Report in accordance with section 120P(1)(e) of the Electricity Safety Act 1988.

FOR AND BEHALF OF THE JEMENA ELECTRICITY NETWORKS (VIC) LIMITED:

date & time 21/07/2023 _____

sign here ►  _____
Managing Director

print name **FRANK TUDOR** _____