



Electricity Safety Amendment (Bushfire Mitigation Civil Penalties Scheme) Bill
2017

Powercor S120P Annual Compliance Report

As of 30th April 2022

Document Information

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Approval

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Endorsed	Mark Clarke	General Manager Electricity Networks	04 May 2022
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Approved	Tim Rourke	Chief Executive Officer Powercor Australia Limited	
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Version History

Revision	Date	Comment
1.0	21 July 2022	Submission to ESV
2.0		
3.0		

1 Works carried out during the reporting period

This section provides details of works carried out during the reporting period (1 May 2021 to 30 April 2022).

1.1 REFCL program status [S120P(1)(a)(i)]

1.1.1 Merbein (MBN)

MBN REFCL Project Activities		Completion Date	Percentage Complete	Weighting
Initiate	Business Case commenced	1/06/2019	100%	5%
	Business Case approval	11/12/2019		
Design	Design commenced	1/06/2020	100%	20%
	Design complete	24/12/2020		
Procurement	Number of REFCL units required	1		
	REFCL order placed	20/05/2020	100%	15%
	REFCL delivered to site	13/08/2021		
Construction - Lines	Line works commenced	20/06/2020	100%	25%
	Line works complete	29/09/2021		
Construction - Stations	Station works commenced	20/06/2020	100%	15%
	Station works complete	22/09/2021		
Construction - Third Party	Number of affected HV Customer Connections	2*		
	HV customer works commenced	*	100%	0%
	HV customer works complete	30/09/2021		
Testing / Commissioning	REFCL testing / commissioning commenced	04/10/2021	100%	10%
	REFCL commissioned and operable	08/10/2021		
Close Out	REFCL at "required capacity"	10/11/2021	100%	10%
Total weighted percentage complete			100%	

This zone substation is located at -34.174709, 142.079499 (latitude, longitude)

*Being a Tranche 3 site, HV customers are to ensure their assets are REFCL ready. Commencement date of customer-side works is not known.

1.1.2 Stawell (STL)

STL REFCL Project Activities		Completion Date	Percentage Complete	Weighting
Initiate	Business Case commenced	1/06/2019	100%	5%
	Business Case approval	11/12/2019		
Design	Design commenced	01/06/2020	100%	20%
	Design complete	24/12/2020		
Procurement	Number of REFCL units required	1		
	REFCL order placed	20/05/2020	100%	15%
	REFCL delivered to site	01/03/2021		
Construction - Lines	Line works commenced	15/03/2021	99%	25%
	Line works complete			
Construction - Stations	Station works commenced	12/02/2021	100%	15%
	Station works complete	30/06/2021		
Construction - Third Party	Number of affected HV Customer Connections	2*		
	HV customer works commenced	*	100%	0%
	HV customer works complete	30/06/2021		
Testing / Commissioning	REFCL testing / commissioning commenced	08/07/2021	100%	10%
	REFCL commissioned and operable	02/08/2021		
Close Out	REFCL at "required capacity"	20/10/2021	100%	10%
Total weighted percentage complete			99%	

This zone substation is located at -37.059176, 142.752446 (latitude, longitude)

*Being a Tranche 3 site, HV customers are to ensure their assets are REFCL ready. Commencement date of customer-side works is not known.

1.1.3 Gheringhap (GHP)

GHP REFCL Project Activities		Completion Date	Percentage Complete	Weighting
Initiate	Business Case commenced	01/06/2019	100%	5%
	Business Case approval	31/05/2020		
Design	Design commenced	01/03/2021	99%	20%
	Design complete			
Procurement	Number of REFCL units required	2		
	REFCL order placed	15/05/2021	85%	15%
	REFCL delivered to site			
Construction - Lines	Line works commenced	01/06/2021	60%	25%
	Line works complete			
Construction - Stations	Station works commenced	20/07/2021	20%	15%
	Station works complete			
Construction - Third Party	Number of affected HV Customer Connections	N/A*		
	HV customer works commenced		N/A	N/A
	HV customer works complete			
Testing / Commissioning	REFCL testing / commissioning commenced		0%	10%
	REFCL commissioned and operable			
Close Out	REFCL at "required capacity"		0%	10%
Total weighted percentage complete			56%	

This zone substation is located at -38.081619, 144.240589 (latitude, longitude)

*Being a Tranche 3 site, HV customers are to ensure their assets are REFCL ready

1.1.4 Hamilton (HTN)

HTN REFCL Project Activities		Completion Date	Percentage Complete	Weighting
Initiate	Business Case commenced	1/06/2019	100%	5%
	Business Case approval	11/12/2019		
Design	Design commenced	2/02/2020	100%	20%
	Design complete	30/06/2020		
Procurement	Number of REFCL units required	2		
	REFCL order placed	20/05/2020	100%	15%
	REFCL delivered to site	01/12/2021		
Construction - Lines	Line works commenced	15/03/2021	100%	25%
	Line works complete	30/06/2021		
Construction - Stations	Station works commenced	13/07/2021	95%	15%
	Station works complete			
Construction - Third Party	Number of affected HV Customer Connections	1*		
	HV customer works commenced	*	100%	0%
	HV customer works complete	09/04/2020		
Testing / Commissioning	REFCL testing / commissioning commenced		0%	10%
	REFCL commissioned and operable			
Close Out	REFCL at "required capacity"		0%	10%
Total weighted percentage complete			79 %	

This zone substation is located at -37.753635, 142.009415 (latitude, longitude)

*Being a Tranche 3 site, HV customers are to ensure their assets are REFCL ready. Commencement date of customer-side works is not known.

1.1.5 Torquay (TQY)

TQY REFCL Project Activities		Completion Date	Percentage Complete	Weighting
Initiate	Business Case commenced	1/06/2019	100%	5%
	Business Case approval	09/09/2020		
Design	Design commenced	15/03/2021	100%	20%
	Design complete	20/12/2021		
Procurement	Number of REFCL units required	2		
	REFCL order placed	15/05/2021	85%	15%
	REFCL delivered to site			
Construction - Lines	Line works commenced	25/01/2022	50%	25%
	Line works complete			
Construction - Stations	Station works commenced	25/01/2022	20%	15%
	Station works complete			
Construction - Third Party	Number of affected HV Customer Connections	N/A*		
	HV customer works commenced		N/A	N/A
	HV customer works complete			
Testing / Commissioning	REFCL testing / commissioning commenced		0%	10%
	REFCL commissioned and operable			
Close Out	REFCL at "required capacity"		0%	10%
Total weighted percentage complete			53%	

This zone substation is located at -38.312254, 144.280856 (latitude, longitude)

*Being a Tranche 3 site, HV customers are to ensure their assets are REFCL ready

1.1.6 Wearn Ponds (WPD)

WPD REFCL Project Activities		Completion Date	Percentage Complete	Weighting
Initiate	Business Case commenced	1/06/2019	100%	5%
	Business Case approval	09/09/2020		
Design	Design commenced	15/03/2021	100%	20%
	Design complete	20/12/2021		
Procurement	Number of REFCL units required	3		
	REFCL order placed	15/05/2021	85%	15%
	REFCL delivered to site			
Construction - Lines	Line works commenced	20/07/2021	60%	25%
	Line works complete			
Construction - Stations	Station works commenced	22/01/2022	20%	15%
	Station works complete			
Construction - Third Party	Number of affected HV Customer Connections	3*		
	HV customer works commenced	*	70%	0%
	HV customer works complete			
Testing / Commissioning	REFCL testing / commissioning commenced		0%	10%
	REFCL commissioned and operable			
Close Out	REFCL at "required capacity"		0%	10%
Total weighted percentage complete			56%	

This zone substation is located at -38.215601, 144.300452 (latitude, longitude)

*Being a Tranche 3 site, HV customers are to ensure their assets are REFCL ready. Commencement date of customer-side works is not known.

1.2 ELCA program status [S120P(1)(a)(ii)]

Total HV Electric Line Volumes	At 1 May 2021	At 30 April 2022	Progress over Reporting Period
Bare conductor in ELCA	Route km	Route km	Route km
Polyphase	928.86	928.86	0
SWER	358.92	358.92	0
Covered or underground conductor in ELCA	Route km	Route km	Route km
Polyphase	175.46	175.46	0
SWER	364.69	364.69	0

As at 30 April 2022, the percentage of total route kilometres of all bare conductors remaining in Electric Line Construction Areas is 70%. The table below shows details of Electric Line Construction Area works completed during the reporting period (1 May 2021 to 30 April 2022).

Electric Line Construction Area	Feeder	Reason/Driver	Previous Construction			New Construction			Complete Date
			Construction	Phasing	Length (Route km)	Construction	Phasing	Length (Route km)	
-	-	-	-	-	-	-	-	-	-

2 Plans of work to be carried out during the next reporting period

This section provides details of works planned to be carried out during the reporting period (1 May 2022 to 30 April 2023). Percentage Complete is the *forecast* percentage complete as at 30 April 2023.

1.1 REFCL program status [S120P(1)(c)(i)]

1.1.1 Stawell (STL)

STL REFCL Project Activities		Forecast Date	Percentage Complete	Weighting
Initiate	Business Case commenced	1/06/2019	100%	5%
	Business Case approval	11/12/2019		
Design	Design commenced	01/06/2020	100%	20%
	Design complete	24/12/2020		
Procurement	Number of REFCL units required	1		
	REFCL order placed	20/05/2020	100%	15%
	REFCL delivered to site	01/03/2021		
Construction - Lines	Line works commenced	15/03/2021	100%	25%
	Line works complete	30/08/2022		
Construction - Stations	Station works commenced	12/02/2021	100%	15%
	Station works complete	30/06/2021		
Construction - Third Party	Number of affected HV Customer Connections	2*		
	HV customer works commenced	*	100%	0%
	HV customer works complete	30/06/2021		
Testing / Commissioning	REFCL testing / commissioning commenced	08/07/2021	100%	10%
	REFCL commissioned and operable	02/08/2021		
Close Out	REFCL at "required capacity"	20/10/2021	100%	10%
Total weighted percentage complete			100%	

This zone substation is located at -37.059176, 142.752446 (latitude, longitude)

*Being a Tranche 3 site, HV customers are to ensure their assets are REFCL ready. Commencement date of customer-side works is not known.

1.1.2 Gheringhap (GHP)

GHP REFCL Project Activities		Forecast Date	Percentage Complete	Weighting
Initiate	Business Case commenced	01/06/2019	100%	5%
	Business Case approval	31/05/2020		
Design	Design commenced	01/03/2021	100%	20%
	Design complete	30/04/2022		
Procurement	Number of REFCL units required	2		
	REFCL order placed	15/05/2021	100%	15%
	REFCL delivered to site	30/06/2022		
Construction - Lines	Line works commenced	01/06/2021	100%	25%
	Line works complete	30/09/2022		
Construction - Stations	Station works commenced	20/07/2021	100%	15%
	Station works complete	30/09/2022		
Construction - Third Party	Number of affected HV Customer Connections	N/A*		
	HV customer works commenced		N/A	N/A
	HV customer works complete			
Testing / Commissioning	REFCL testing / commissioning commenced	15/11/2022	100%	10%
	REFCL commissioned and operable	15/12/2022		
Close Out	REFCL at "required capacity"	31/03/2023	100%	10%
Total weighted percentage complete			100%	

This zone substation is located at -38.081619, 144.240589 (latitude, longitude)

*Being a Tranche 3 site, HV customers are to ensure their assets are REFCL ready.

1.1.3 Hamilton (HTN)

HTN REFCL Project Activities		Forecast Date	Percentage Complete	Weighting
Initiate	Business Case commenced	1/06/2019	100%	5%
	Business Case approval	11/12/2019		
Design	Design commenced	2/02/2020	100%	20%
	Design complete	30/06/2021		
Procurement	Number of REFCL units required	2		
	REFCL order placed	20/05/2020	100%	15%
	REFCL delivered to site	01/12/2021		
Construction - Lines	Line works commenced	15/03/2021	100%	25%
	Line works complete	30/06/2021		
Construction - Stations	Station works commenced	13/07/2021	100%	15%
	Station works complete	31/03/2022		
Construction - Third Party	Number of affected HV Customer Connections	1*		
	HV customer works commenced	*	100%	0%
	HV customer works complete	09/04/2020		
Testing / Commissioning	REFCL testing / commissioning commenced	30/04/2022	100%	10%
	REFCL commissioned and operable	31/05/2022		
Close Out	REFCL at "required capacity"	31/07/2022	100%	10%
Total weighted percentage complete			100%	

This zone substation is located at -37.753635, 142.009415 (latitude, longitude)

*Being a Tranche 3 site, HV customers are to ensure their assets are REFCL ready. Commencement date of customer-side works is not known.

1.1.4 Torquay (TQY)

TQY REFCL Project Activities		Forecast Date	Percentage Complete	Weighting
Initiate	Business Case commenced	1/06/2019	100%	5%
	Business Case approval	09/09/2020		
Design	Design commenced	15/03/2021	100%	20%
	Design complete	20/12/2021		
Procurement	Number of REFCL units required	2		
	REFCL order placed	15/05/2021	100%	15%
	REFCL delivered to site	30/06/2022		
Construction - Lines	Line works commenced	25/01/2022	100%	25%
	Line works complete	30/08/2022		
Construction - Stations	Station works commenced	25/01/2022	100%	15%
	Station works complete	1/08/2022		
Construction - Third Party	Number of affected HV Customer Connections	N/A*		
	HV customer works commenced		N/A	N/A
	HV customer works complete			
Testing / Commissioning	REFCL testing / commissioning commenced	1/09/2022	100%	10%
	REFCL commissioned and operable	30/11/2022		
Close Out	REFCL at "required capacity"	15/12/2022	100%	10%
Total weighted percentage complete			100%	

This zone substation is located at -38.312254, 144.280856 (latitude, longitude)

*Being a Tranche 3 site, HV customers are to ensure their assets are REFCL ready

1.1.5 Waurm Ponds (WPD)

WPD REFCL Project Activities		Forecast Date	Percentage Complete	Weighting
Initiate	Business Case commenced	1/06/2019	100%	5%
	Business Case approval	09/09/2020		
Design	Design commenced	15/03/2021	100%	20%
	Design complete	20/12/2021		
Procurement	Number of REFCL units required	3		
	REFCL order placed	15/05/2021	100%	15%
	REFCL delivered to site	30/06/2022		
Construction - Lines	Line works commenced	20/07/2021	100%	25%
	Line works complete	30/08/2022		
Construction - Stations	Station works commenced	22/01/2022	100%	15%
	Station works complete	1/08/2022		
Construction - Third Party	Number of affected HV Customer Connections	3*		
	HV customer works commenced	*	100%	0%
	HV customer works complete	31/08/2022		
Testing / Commissioning	REFCL testing / commissioning commenced	1/09/2022	100%	10%
	REFCL commissioned and operable	30/11/2022		
Close Out	REFCL at "required capacity"	15/12/2022	100%	10%
Total weighted percentage complete			100%	

This zone substation is located at -38.215601, 144.300452 (latitude, longitude)

*Being a Tranche 3 site, HV customers are to ensure their assets are REFCL ready. Commencement date of customer-side works is not known.

1.2 ELCA program status [S120P(1)(c)(ii)]

The table below forecasts the change in ELCA volumes during the next reporting period (1 May 2022 to 30 April 2023).

Total HV Electric Line Volumes	At 1 May 2022	At 30 April 2023	Progress over Reporting Period
Bare conductor in ELCA	Route km	Route km	Route km
Polyphase	928.86	924.91	-3.95
SWER	358.92	358.92	0
Covered or underground conductor in ELCA	Route km	Route km	Route km
Polyphase	175.46	179.41	3.95
SWER	364.69	364.69	0

By 30 April 2023, the planned percentage of total route kilometres of all bare conductors remaining in Electric Line Construction Areas is forecast to be 70%.

The table below shows details of planned Electric Line Construction Area works during the next reporting period (1 May 2022 to 30 April 2023).

Electric Line Construction Area	Feeder	Reason / Driver	Current Construction			Future Construction	
			Construction	Phasing	Length (Route km)	Construction	Phasing
LEGL./16-209	CDN002	Proactive replacement	Bare Conductor	Polyphase	3.10	Covered Conductor	Polyphase
LEGL./16-230	WIN011	Proactive replacement	Bare Conductor	Polyphase	0.85	Covered Conductor	Polyphase