

Network Safety Performance Outcomes (FY 2019/20 Quarter 3)



CONTEXT AND PURPOSE

This Statement has been prepared and published under regulation 32 of the Electricity (*Network Safety*) Regulations 2015, which require Western Power to publish quarterly outcomes for the network safety performance incident types specified under regulation 31 of the Electricity (*Network Safety*) Regulations 2015. This Statement includes the number of incidents that occurred during the quarter (QTR) and the cumulative number of incidents that occurred during the financial year (YTD).

Description of incident type		Annual Objective 1 July 2019 to 30 June 2022	Outcomes	
			QTR	YTD
30(1) (a): a discharge of electricity from the network that causes the electric shock, injury or death of a person or the death of livestock	Human fatality	0	0	0
	Human injury	8	1	2
	Livestock fatality	6	0	0
	Electric shock, no injury	177	79	146 ¹
30(1)(b): an incident caused by the network, other than a fire, that causes damage to property other than to the network		4	1	1
30(1)(c): a fire caused by the network that causes damage to property other than to the network		10	0	1 ²
30(1)(d)(i): a fire, on a wood pole that is a part of the <u>distribution</u> network, that originated on the pole		429	368	431 ³
30(1)(d)(ii): a fire, on a wood pole that is a part of the <u>transmission</u> network, that originated on the pole		15	1	1

¹ Two additional electric shocks, no injury occurred in Q2, was reported to Western Power in Q3 and is included in the YTD numbers in this report

² A fire caused by the network that caused damage to property occurred in Q2, was reported to Western Power in Q3 and is included in the YTD numbers in this report

³ Three Dx pole top fires were reported to Western Power in Q2 but were reclassified in Q3 and are no longer included in this report

Description of incident type	Annual Objective 1 July 2019 to 30 June 2022	Outcomes	
		QTR	YTD
30(1)(e)(i): the contacting of 2 or more conductors of the <u>distribution</u> network, of different phases, caused by temperature variations or wind	107	25	64 ⁴
30(1)(e)(ii): the contacting of 2 or more conductors of the <u>transmission</u> network, of different phases, caused by temperature variations or wind	1	0	0
30(1)(f)(i): an unassisted failure of a <u>hardwood</u> pole that is part of the <u>distribution</u> network	365	88	149
30(1)(f)(ii): an unassisted failure of a <u>softwood</u> pole that is part of the <u>distribution</u> network	5	1	1
30(1)(f)(iii): an unassisted failure of a <u>steel</u> pole that is part of the <u>distribution</u> network	1	0	0
30(1)(f)(iv): an unassisted failure of a <u>steel</u> streetlight pole	66	1	3
30(1)(f)(v): an unassisted failure of a <u>concrete</u> pole that is part of the <u>distribution</u> network	1	0	0

⁴ One distribution conductor clash that was recorded in Q2 has been reclassified in Q3 and is no longer included in the YTD numbers in this report

Description of incident type	Annual Objective 1 July 2019 to 30 June 2022	Outcomes	
		QTR	YTD
30(1)(f)(vi): an unassisted failure of a <u>composite fibre, aluminium, or any other type of pole</u> that is part of the <u>distribution</u> network	NA	0	0
30(1)(f)(vii): an unassisted failure of a <u>hardwood</u> pole that is part of the <u>transmission</u> network	20	13	14
30(1)(f)(viii): an unassisted failure of a <u>softwood</u> pole that is part of the <u>transmission</u> network	0	0	0
30(1)(f)(ix): an unassisted failure of a <u>steel</u> pole that is part of the <u>transmission</u> network	1	0	0
30(1)(f)(x): an unassisted failure of a <u>concrete</u> pole that is part of the <u>transmission</u> network	1	0	0
30(1)(f)(xi): an unassisted failure of a <u>composite fibre, aluminium, or any other type of pole</u> that is part of the <u>transmission</u> network	NA	0	0
30(1)(g)(i): an unassisted failure of an overhead conductor that is part of the <u>distribution</u> network	328	40	71 ⁵

⁵ One distribution overhead conductor failure that was recorded in Q1 has been reclassified in Q2 and is no longer included in the YTD numbers in this report

Description of incident type	Annual Objective 1 July 2019 to 30 June 2022	Outcomes	
		QTR	YTD
30(1)(g)(ii): an unassisted failure of an overhead conductor that is part of the <u>transmission</u> network	2	0	0
30(1)(h)(i): an unassisted failure of a stay wire that is part of the <u>distribution</u> network	208	104	199
30(1)(h)(ii): an unassisted failure of a stay wire that is part of the <u>transmission</u> network	3	0	1 ⁶
30(1)(i)(i): an unassisted failure of an underground cable that is part of the <u>distribution</u> network	3	1	3
30(1)(i)(ii): an unassisted failure of an underground cable that is part of the <u>transmission</u> network	1	0	0

From the perspective of network safety, Western Power strives to maintain and operate its network in a way that results in the least number of incidents as is reasonably possible, recognising that there are inherent safety risks associated with operating an electricity network. Western Power adopts a risk-based approach to planning and delivering work, which aims to eliminate the maximum amount of risk from the network, balancing safety, reliability and affordability.

⁶ One transmission stay system failure that was recorded in Q2 has been reclassified in Q3 and is no longer included in the YTD numbers in this report