

Network Safety Performance Outcomes (FY 2018/19 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 2018 to 30 June 2021	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	0	0
	Livestock fatality	6	0	2
	Electric shock, no injury	184	35	116 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	0	0
30(1)(c): a fire caused by the network that causes damage to property other than to the network		10	1	1
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		438	182	283 ²
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	9	9

¹ An additional 2 electric shocks, no injury occurred in Q2, were reported to Western Power in Q3 and are included in the YTD numbers in this report

² An additional 2 fires on distribution wood poles occurred in Q2, were identified in Q3 and are included in the YTD numbers in this report

Description of incident type	Annual Objective 1 July 2018 to 30 June 2021	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	130	7	28
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	22	101
30(1)(f)(ii): an unassisted failure of a <u>softwood</u> pole that is part of the <u>distribution</u> network	5	0	0
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	65	0	7
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

Description of incident type	Annual Objective 1 July 2018 to 30 June 2021	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	2	3
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	341	38	159

Description of incident type	Annual Objective 1 July 2018 to 30 June 2021	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	166	41	124
30(1)(h)(ii): an unassisted failure of a stay wire that is part of the <u>transmission</u> network	2	1	1
30(1)(i)(i): an unassisted failure of an underground cable that is part of the <u>distribution</u> network	3	2	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.