

2023 Electricity Reporting Datasheet (NQR) - Distribution Indicators

IMPORTANT NOTICE FOR ELECTRICITY DISTRIBUTION LICENSEES

Licensees should refer to the *Electricity Distribution Licence Performance Reporting Handbook* for information on the definitions of electricity distribution indicators listed in these Datasheets. The Handbook is available on the ERA website (see link below):

<https://www.erawa.com.au/electricity/electricity-licensing/regulatory-guidelines>

As per section 4 of the handbook, distributors should complete the 'number' column in each worksheet as follows:

If the data is available:

Enter the data

If the activity did not occur:

Enter '0'

For example, if the distributor did not receive any technical QoS complaints the data for indicator NRR 1 should be '0'.

If the activity is not applicable:

Enter 'n/a'. Reporting an indicator as 'n/a' should only be done in circumstances where the indicator is not relevant to the licensee's operations.

If the data is unavailable:

Leave the data cell blank. Add a comment in the 'comments' cell explaining why the data cannot be provided.

If the data shows a change of more than 10% compared to last year's data, the distributor should include the likely reason(s) for the change in the 'comments' column.

Some indicators (shaded blue) require a value as at 30 June.

Some indicators (shaded green) require a cumulative total value for the whole of the reporting year.

Some indicators require reporting to be on a per customer/premises basis whereas others are on a per incident basis. For example, indicator NQR 1 (Total number of premises of small use customers interrupted for more than 12 hours continuously) should be reported on a per customer/premises basis. This means that if a premises of a small use customer is interrupted for more than 12 hours continuously, and more than once during a reporting year, the premises should only be counted once. Indicator NQR22 (Total number of technical QoS complaints) should be reported during a reporting year, each complaint should be recorded separately.

Electricity Licene Reporting Datasheets - NQR Code

Note:

Indicators that require a value as at 30 June are shaded green.
 Indicators that require a cumulative total value for the whole of the reporting year are shaded blue.
 Do not enter data into cells that are shaded yellow, these indicators are automatically calculated.
 Do not enter data into cells that are shaded grey, they do not apply to that indicator.

Network Reliability					
Indicator No.	Reference	Description	Basis of Reporting		Comments
			Number	Percentage	
NQR 1	Electricity Industry (Network Quality and Reliability of Supply) Code Sch 1(5), item 5	The number of premises of small use customers to which the supply of electricity has been interrupted for more than 12 hours continuously	REFER TABLE 1 (below)		
NQR 2	Electricity Industry (Network Quality and Reliability of Supply) Code Sch 1(5), item 5	The number of premises of small use customers to which the supply of electricity has been interrupted more than the permitted number of times, as is defined in section 12(1) (of the NQ&R Code)	REFER TABLE 1 (below)		
NQR 3	Electricity Industry (Network Quality and Reliability of Supply) Code Sch 1(11)(a), item 11(a)	For each discrete area, the average length of interruption of supply to customer premises expressed in minutes	REFER TABLE 2 (below)		
NQR 4	Electricity Industry (Network Quality and Reliability of Supply) Code Sch 1(11)(b), item 11(b)	For each discrete area, the average number of interruptions of supply to customer premises	REFER TABLE 2 (below)		
NQR 5	Electricity Industry (Network Quality and Reliability of Supply) Code Sch 1(11)(c), item 11(c)	For each discrete area, the average percentage of time that electricity has been supplied to customer premises	REFER TABLE 2 (below)		
NQR 6	Electricity Industry (Network Quality and Reliability of Supply) Code Sch 1(11)(d), item 11(d)	For each discrete area, the average total length of all interruptions of supply to customer premises expressed in minutes	REFER TABLE 2 (below)		
FC 1	ERA Electricity Distribution Licence Performance Reporting Handbook	Overall SAIDI by Total Network, CBD, Urban, Short Rural and Long Rural	REFER TABLE 3 (below)		
FC 2	ERA Electricity Distribution Licence Performance Reporting Handbook	Distribution Network (Planned) SAIDI by Total Network, CBD, Urban, Short Rural and Long Rural	REFER TABLE 3 (below)		
FC 3	ERA Electricity Distribution Licence Performance Reporting Handbook	Distribution Network (Unplanned) SAIDI by Total Network, CBD, Urban, Short Rural and Long Rural	REFER TABLE 3 (below)		
FC 4	ERA Electricity Distribution Licence Performance Reporting Handbook	Normalised distribution network SAIDI by Total Network, CBD, Urban, Short Rural and Long Rural	REFER TABLE 3 (below)		
FC 5	ERA Electricity Distribution Licence Performance Reporting Handbook	Overall SAIFI by Total Network, CBD, Urban, Short Rural and Long Rural	REFER TABLE 3 (below)		
FC 6	ERA Electricity Distribution Licence Performance Reporting Handbook	Distribution Network (Planned) SAIFI by Total Network, CBD, Urban, Short Rural and Long Rural	REFER TABLE 3 (below)		
FC 7	ERA Electricity Distribution Licence Performance Reporting Handbook	Distribution Network (Unplanned) SAIFI by Total Network, CBD, Urban, Short Rural and Long Rural	REFER TABLE 3 (below)		
FC 8	ERA Electricity Distribution Licence Performance Reporting Handbook	Normalised distribution network SAIFI by Total Network, CBD, Urban, Short Rural and Long Rural	REFER TABLE 3 (below)		
FC 9	ERA Electricity Distribution Licence Performance Reporting Handbook	Overall CAIDI by Total Network, CBD, Urban, Short Rural and Long Rural	REFER TABLE 3 (below)		
FC 10	ERA Electricity Distribution Licence Performance Reporting Handbook	Distribution Network (Planned) CAIDI by Total Network, CBD, Urban, Short Rural and Long Rural	REFER TABLE 3 (below)		
FC 11	ERA Electricity Distribution Licence Performance Reporting Handbook	Distribution Network (Unplanned) CAIDI by Total Network, CBD, Urban, Short Rural and Long Rural	REFER TABLE 3 (below)		
FC 12	ERA Electricity Distribution Licence Performance Reporting Handbook	Normalised distribution network CAIDI by Total Network, CBD, Urban, Short Rural and Long Rural	REFER TABLE 3 (below)		

Reference	Description	Total Network	Perth CBD and the urban areas combined	Other areas of the State	Comments
Interruptions for more than 12 hours continuously (Sch 1 section 5(a) NQ&R Code)	Number of premises interrupted	0			
	Number of interruptions	0			
More than the permitted number of interruptions (Sch 1 section 5(b) NQ&R Code)	Premises interrupted more than 9 times in a year		0		
	Premises interrupted more than 16 times in a year			0	

Reference	Description	Perth CBD	Urban Areas	Other areas of the State	Stand-alone power systems	Comments
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Electricity Industry (Network Quality and Reliability of Supply) Code Sch 1(11)(a), item 11(a)	For each discrete area, the average length of interruption of supply to customer premises expressed in minutes		81.5			
Electricity Industry (Network Quality and Reliability of Supply) Code Sch 1(11)(b), item 11(b)	For each discrete area, the average number of interruptions of supply to customer premises		2.0			
Electricity Industry (Network Quality and Reliability of Supply) Code Sch 1(11)(c), item 11(c)	For each discrete area, the average percentage of time that electricity has been supplied to customer premises		99.1			
Electricity Industry (Network Quality and Reliability of Supply) Code Sch 1(11)(d), item 11(d)	For each discrete area, the average total length of all interruptions of supply to customer premises expressed in minutes		81.5			

Table 3: Feeder category reliability

Description	Measure	Total Network	CBD	Urban	Short Rural	Long Rural	Comments
SAIDI (FC 1 - 4)	Overall	16.3		16.3			
	Distribution Network (Planned)	16.3		16.3			
	Distribution Network (Unplanned)	0.0		0.0			
	Normalised Distribution Network	0.0		0.0			
SAIFI (FC 5 - 8)	Overall	10.00		10.00			
	Distribution Network (Planned)	10.00		10.00			
	Distribution Network (Unplanned)	0.00		0.00			
	Normalised Distribution Network	0.00		0.00			
CAIDI (FC 9 - 12)	Overall	16.3		16.3			
	Distribution Network (Planned)	16.3		16.3			
	Distribution Network (Unplanned)	0.0		0.0			
	Normalised Distribution Network	0.0		0.0			

Note:

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Complaints						
Indicator No.	Reference	Description	Basis of Reporting			Comments
			Number	Percentage	Value (\$)	
NQR 7	Electricity Industry (Network Quality and Reliability of Supply) Code Sch 1(6)	Total number of complaints received (that Part 2 or an instrument made under section 14(3) of the NQ&R Code has not been, or is not being, complied with)	0			
NQR 8	Electricity Industry (Network Quality and Reliability of Supply) Code clause Sch 1(7)	Total number of complaints received from customers in each of the discrete areas (that Part 2 or an instrument made under section 14(3) of the NQ&R Code has not been, or is not being, complied with)	REFER TABLE 4 (below)			
NQR 9	Electricity Industry (Network Quality and Reliability of Supply) Code clause Sch 1(8)	Total amount spent in addressing complaints (that Part 2 or an instrument made under section 14(3) of the NQ&R Code has not been, or is not being, complied with) other than by way of payment under sections 18 and 19 (of the NQ&R Code)			\$0	n/a
NRR 1	ERA Electricity Distribution Licence Performance Reporting Handbook	Total number of technical QoS complaints	0			
NRR 2	ERA Electricity Distribution Licence Performance Reporting Handbook	Total number of technical QoS complaints that are low supply voltage complaints	0			
NRR 3	ERA Electricity Distribution Licence Performance Reporting Handbook	Percentage of technical QoS complaints that are low supply voltage complaints		0.0%		
NRR 4	ERA Electricity Distribution Licence Performance Reporting Handbook	Total number of technical QoS complaints that are voltage dip complaints	0			
NRR 5	ERA Electricity Distribution Licence Performance Reporting Handbook	Percentage of technical QoS complaints that are voltage dip complaints		0.0%		
NRR 6	ERA Electricity Distribution Licence Performance Reporting Handbook	Total number of technical QoS complaints that are voltage swell complaints	0			
NRR 7	ERA Electricity Distribution Licence Performance Reporting Handbook	Percentage of technical QoS complaints that are voltage swell complaints		0.0%		
NRR 8	ERA Electricity Distribution Licence Performance Reporting Handbook	Total number of technical QoS complaints that are voltage spike complaints	0			
NRR 9	ERA Electricity Distribution Licence Performance Reporting Handbook	Percentage of technical QoS complaints that are voltage spike complaints		0.0%		
NRR 10	ERA Electricity Distribution Licence Performance Reporting Handbook	Total number of technical QoS complaints that are waveform distortion complaints	0			
NRR 11	ERA Electricity Distribution Licence Performance Reporting Handbook	Percentage of technical QoS complaints that are waveform distortion complaints		0.0%		
NRR 12	ERA Electricity Distribution Licence Performance Reporting Handbook	Total number of technical QoS complaints that are TV or radio interference complaints	0			
NRR 13	ERA Electricity Distribution Licence Performance Reporting Handbook	Percentage of technical QoS complaints that are TV or radio interference complaints		0.0%		
NRR 14	ERA Electricity Distribution Licence Performance Reporting Handbook	Total number of technical QoS complaints that are noise from appliances complaints	0			
NRR 15	ERA Electricity Distribution Licence Performance Reporting Handbook	Percentage of technical QoS complaints that are noise from appliances complaints		0.0%		
NRR 16	ERA Electricity Distribution Licence Performance Reporting Handbook	Total number of technical QoS complaints that are other complaints	0			
NRR 17	ERA Electricity Distribution Licence Performance Reporting Handbook	Percentage of technical QoS complaints that are other complaints		0.0%		
NRR 18	ERA Electricity Distribution Licence Performance Reporting Handbook	Breakdown of technical QoS complaints into the likely cause of problem that caused the complaint separated into:				
		Network equipment faulty - Total Number	0			
		Network equipment faulty - Percentage		0.0%		
		Network interference by NSP equipment - Total Number	0			
		Network interference by NSP equipment - Percentage		0.0%		
		Network interference by another customer - Total Number	0			
		Network interference by another customer - Percentage		0.0%		
		Network limitation - Total Number	0			
		Network limitation - Percentage		0.0%		
		Customer internal problem - Total Number	0			
		Customer internal problem - Percentage		0.0%		
		No problem identified - Total Number	0			
		No problem identified - Percentage		0.0%		
		Environmental - Total Number	0			
Environmental - Percentage		0.0%				
Other - Total Number	0					
Other - Percentage		0.0%				

Discrete Area	Number of Complaints Received	Comments
Perth CBD	0	
Urban areas other than the Perth CBD	0	
All other areas of the State	0	
Stand-alone power systems	0	

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Table 5: Compensation payments						
Indicator No.	Reference	Description	Basis of Reporting			Comments
			Number	Percentage	Value (\$)	
NQR 10	Electricity Industry (Network Quality and Reliability of Supply) Code clause Sch 1(9)	The number of payments made, and the total amount paid under section 18 of the NQ&R Code	0		\$0	
NQR 11	Electricity Industry (Network Quality and Reliability of Supply) Code clause Sch 1(9)	The number of payments made, and the total amount paid under section 19 of the NQ&R Code	0		\$0	

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Network and Asset Information						
Indicator No	Reference	Description	Basis of Reporting		Comments	
			Number	Percentage		
NQR 12	ERA Electricity Distribution Licence Performance Reporting Handbook	Number of metered supply points by feeder category (CBD, urban, short rural and long rural), reported against the categories of residential and non-residential customers and sub-transmission, high voltage and low voltage	REFER TABLE 5A (below)			
NQR 13	ERA Electricity Distribution Licence Performance Reporting Handbook	Number of unmetered supply points, by type of feeder (CBD, urban, long rural and short rural)	REFER TABLE 5B (below)			
NQR 14	ERA Electricity Distribution Licence Performance Reporting Handbook	Energy delivered (GWh) by type of feeder (CBD, urban, long rural and short rural) reported against the categories of residential and non-residential customers and sub-transmission, high voltage and low voltage	REFER TABLE 5C (below)			
NQR 15	ERA Electricity Distribution Licence Performance Reporting Handbook	Line lengths by type of feeder (CBD, urban, long rural and short rural) reported against the categories of underground and overhead line categories and sub-transmission, high voltage and low voltage	REFER TABLE 6A (below)			
NQR 16	ERA Electricity Distribution Licence Performance Reporting Handbook	Number and total capacity of transformers, separated into sub-transmission and distribution	REFER TABLE 6B (below)			
NQR 17	ERA Electricity Distribution Licence Performance Reporting Handbook	Total distribution losses (%)		<1%	copy from previous	
NQR 18	ERA Electricity Distribution Licence Performance Reporting Handbook	Size of network service area (sq km)	0.24Km2		copy from previous	
NQR 19	ERA Electricity Distribution Licence Performance Reporting Handbook	Number of poles	0		copy from previous	
NQR 20	ERA Electricity Distribution Licence Performance Reporting Handbook	Peak demand (MW)	0.4		check with SCADA	

Table 5A: Metered supply points (NQR 12)

Number of Metered Supply	Total No.	By type of customer		By supply voltage			Comments
		Residential	Non-residential	ST	HV	LV	
Feeder Category							
CBD	N/A	N/A	N/A	N/A	N/A	N/A	
Urban	8	N/A	8	N/A	N/A	8	new network in new greenfield industrial estate. Customer numbers and demand will grow as additional businesses move into the estate over time.
Rural Short	N/A	N/A	N/A	N/A	N/A	N/A	
Rural Long	N/A	N/A	N/A	N/A	N/A	N/A	
Stand-alone power systems	N/A	N/A	N/A	N/A	N/A	N/A	

Table 5B: Unmetered supply points (NQR 13)

Number of Un-metered Supply Points					Comments
	CBD	Urban	Rural Short	Rural Long	
Total No.		2			

Table 5C: Energy delivered (NQR 14)

Energy delivered (GWh)	Total GWh	By type of customer		By supply voltage			Comments
		Residential	Non-residential	ST	HV	LV	
Feeder Category							
CBD	N/A	N/A	N/A	N/A	N/A	N/A	
Urban	0.6	N/A	0.6	N/A	N/A	0.6	Billing data
Rural Short	N/A	N/A	N/A	N/A	N/A	N/A	
Rural Long	N/A	N/A	N/A	N/A	N/A	N/A	

Table 6A: Feeder data by category (NQR 15)

Line length (km)	Total km			By supply voltage			Comments
		Underground	Overhead	ST	HV	LV	
Feeder Category							
CBD	N/A	N/A	N/A	N/A	N/A	N/A	
Urban	3.3	N/A	N/A	N/A	1.8	1.5	

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Rural Short	N/A	N/A	N/A	N/A	N/A	N/A	
Rural Long	N/A	N/A	N/A	N/A	N/A	N/A	

Table 6B: Transformer data (NQR 16)

Transformer Type	Number of Transformers	Total capacity of Transformers (MVA)	Comments
Sub-transmission	N/A	N/A	
Distribution	5	3.15	new network in new greenfield industrial estate. Transformer numbers and total capacity will grow as additional land is released in the estate.