



ROTTNEST IS

Rottnest Island Authority

Network Quality and Reliability of Supply Report

In accordance with the

Electricity Industry (Network Quality and Reliability Supply) Code 2005

1 July 2017 – 30 June 2018

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Clause 15(d) – SAIDI frequency graph

INTRODUCTION

This report has been produced to meet the requirements of the Electricity Industry (Network Quality and Reliability Supply) Code 2005.

During the reporting year, the Rottnest Island Authority has made no significant changes to the power and distribution network, however some upgrades to minor distribution boards has taken place in conjunction with the ongoing refurbishments upgrades in the Bathurst area. A number of 11kV power poles have been replaced as part of the power pole replacement programme.

The Rottnest Island Authority continues to maintain and periodically review its “Electrical License” requirements to ensure the power generation and the network system and its customers’ electrical installation and apparatus are safe for use by employees, customers and the public.

Major Event Days

No major event days for the reporting period.

REPORTS – code Schedule 1 – Information to be published

Clause 4 and 10

Clause 4(a) Number of breaches of each provision of the Code:

Quality of Supply	2014/2015	2015/2016	2016/2017	2017/2018
Voltage Fluctuations	0	0	2	2
Harmonics	0	0	0	0

Clause 4(b) Remedial action taken for each provision

Voltage Fluctuations

Location	Action Taken
<ul style="list-style-type: none">Geordie BayAbbot Street	Asset replacement proposed In Progress

Harmonics

Location	Action Taken
N/A	Nil

Clause 5 – Significant Interruptions to small use customers

Clause 5(a)

Number of premises that experiences interruption greater than 12 hours continuous = 0

Number of interruptions and duration, where duration is greater than 12 hours:

DATE	CUSTOMERS	DURATION (MINS)	COMMENT
N/A	Nil	Nil	Nil

Clause 5(b)

Number of premises that experienced more than 16 interruptions = 0

Clause 6 and 10 – Total number of complaints received

2014/2015	2015/16	2016/2017	2017/2018
1	0	1	0

Clause 7 and 10 – Number of complaints in each discrete area:

DISCRETE AREA	2014/2015	2015/16	2016/2017	2017/2018
Rottnest Island	1	0	1	0

Clause 8 and 10 – Total amount spent addressing complaints

2014/2015	2015/2016	2016/2017	2017/2018
\$0.00	\$0.00	\$0.00	\$0.00

Clause 9 and 10 – Payments to customers for failure to meet certain Standards

The number and total payments made to customer for failure to give required notice of interruption:

	2014/2015	2015/2016	2016/2017	2017/2018
Number	0	0	0	0
Cost	0	0	0	0

The number and total payments made to customers for supply interruptions exceeding 12 hours:

	2014/2015	2015/2016	2016/2017	2017/2018
Number	0	0	0	0
Cost	0	0	0	0

Clause 11, 12 and 13(a) – Average Length of interruption of Supply to Customer Premises in Minutes (CAD)

Discrete Area	2014/2015	2015/2016	2016/2017	2017/2018	AVERAGE
Rottnest Island	28.02	92.77	67.55	18.66	51.75

EFFECT of MAJOR EVENT DAYS

No major event days for the reporting period.

Clause 11, 12 and 13(b) – Average number of interruptions of Supply to Customer Premises (SAIFI)

Discrete Area	2014/2015	2015/2016	2016/2017	2017/2018	AVERAGE
Rottnest Island	2.22	3.70	15.94	3.14	6.25

Clause 11, 12 and 13(c) – Average Percentage of Time that electricity has been supplied to Customer Premises

Discrete Area	2014/2015	2015/2016	2016/2017	2017/2018	AVERAGE
Rottnest Island	99.59	98.93	99.3	99.71	99.39

Clause 11, 12 and 12(d) – Average Total length of all interruptions of supply to customer premises in Minutes (SAIDI)

Discrete Area	2014/2015	2015/2016	2016/2017	2017/2018	AVERAGE
Rottnest Island	62.15	343.09	1077.14	58.52	385.07

Clause 14 (a, b, c) and 15 – Percentile values for each customer premise and a graph

Information not provided due to the minimal number of customers and no perceived benefit of this information.