



**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 2019 – 30 June 2020**

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## **INTRODUCTION**

The purpose of the Network Quality and Reliability of Supply Report is to present the performance of the Rottnest Island Network in accordance with Schedule 1 of the Electricity Industry (Network Quality and Reliability of Supply) Code 2005 (Code), for the reporting period 1 July 2019 to 30 June 2020.

The Code, established by the Minister for Energy under the *Electricity Industry Act 2004*, sets out supply reliability and quality standards for electricity network operators in relation to voltage fluctuations, harmonics, unplanned or planned interruptions and complaints. Section 27 of the Code states that a transmitter and distributor of electricity must publish an annual report setting out the information described in Schedule 1 of the Code.

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.

There were no significant electrical works on the Island during the reportable period.

### **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	2016/2017	2017/2018	2018/2019	2019/2020
Voltage Fluctuations	2	2	3	0
Harmonics	0	0	0	0

***Clause 4(b) Remedial action taken for each provision***

Voltage Fluctuations

Location	Action Taken
N/A	Nil

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***

2016/2017	2017/2018	2018/2019	2019/2020
1	0	0	0

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

DISCRETE AREA	2016/2017	2017/2018	2018/2019	2019/2020
Rottnest Island	1	0	0	0

**Clause 8 and 10 – Total amount spent addressing complaints**

2016/2017	2017/2018	2018/2019	2019/2020
\$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:

	2016/2017	2017/2018	2018/2019	2019/2020
Number	0	0	0	0
Cost	0	0	0	0

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

	2016/2017	2017/2018	2018/2019	2019/2020
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 (CADI)**

Discrete Area	2016/2017	2017/2018	2018/2019	2019/2020	AVERAGE
Rottnest Island	67.55	18.66	79.54	95.75	65.38

**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	2016/2017	2017/2018	2018/2019	2019/2020	AVERAGE
Rottnest Island	15.94	3.14	6.53	9.02	8.66

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

Discrete Area	2016/2017	2017/2018	2018/2019	2019/2020	AVERAGE
Rottnest Island	99.3	99.71	99.73	99.52	99.57

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

Discrete Area	2016/2017	2017/2018	2018/2019	2019/2020	AVERAGE
Rottnest Island	1077.14	58.52	519.82	864.14	629.75

**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.