

ELECTRICAL INDUSTRY
Network Quality and Reliability of Supply Code 2005



Rottnest Island Western Australia

Annual Report 2007 / 2008

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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 refurbishment upgrades.

The Rottnest Island Authority, as a result of recommendations identified in the Rottnest Island Task Force Report, has tendered expressions of interest for the ongoing management of power generation and distribution network. Formal responses will be evaluated within the next reporting period.

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	2005/06	2006/07	2007/08
Voltage Fluctuations	UD	UD	UD
Harmonics	UD	UD	UD

NA = Not applicable as the code did not come into operation until 1 January 2006.

UD = Under Development. Although there is a process in place to investigate and correct voltage harmonics complaints, it did not include the recording of out of limits events. Equipment has been sourced however implementation and delivery will be in the next reporting period.

Clause 4(b) Remedial action taken for each provision

Voltage Fluctuations

Location	Action Taken
UD	UD

Harmonics

Location	Action Taken
UD	UD

Clause 5 – Significant Interruptions to small use customers

Clause 5(a)

Number of premises that experienced interruptions greater than 12 hours continuous = 0

Clause 5(b)

Number of premises that experienced more than 16 interruptions = 0

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

DATE	CUSTOMERS	DURATION (mins)	COMMENT
0	0	0	0

Clause 6 and 10 – Total number of complaints received

No customer complaints have been raised to Tungsten, Sunco Realty or the Rottnest Island Authority with regard to the Network Quality or Reliability of Supply between the periods listed below.

2005/06	2006/07	2007/08
0	0	0

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

DISCRETE AREA	2005/06	2006/07	2007/08
Rottnest Island	0	0	0

Clause 8 and 10 – Total amount spent addressing complaints

2005/06	2006/07	2007/08
\$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 customers for failure to give required notice of interruption:

	2005/06	2006/07	2007/08
Number	0	0	0
Cost	0	0	0

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

	2005/06	2006/07	2007/08
Number	0	0	0
Cost	0	0	0

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

Discrete area	2005/06	2006/07	2007/08	AVERAGE
Rottnest Island	9.9	9.65	9.93	9.82

EFFECT of MAJOR EVENT DAYS

There were no major event days effected by outages within the reporting period.

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

Discrete area	2005/06	2006/07	2007/08	AVERAGE
Rottnest Island	4.66	22.01	10.29	12.3

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

Discrete area	2005/06	2006/07	2007/08	AVERAGE
Rottnest Island	98.72	99.87	99.21	99.26

Clause 11, 12 and 13(d) – Average Total length of all interruptions of supply to customer premises in Minutes (SAIDI)

Discrete area	2005/06	2006/07	2007/08	AVERAGE
Rottnest Island	99	212.42	102.25	137.89

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.