



ELECTRICITY INDUSTRY

(Network Quality and Reliability of Supply) Code 2005

Annual Report 2005/06
Prepared by: Rottnest Island Authority

Rottnest Island Authority



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INTRODUCTION

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

During this reporting year, the Rottnest Island Authority has completed major upgrades to the power generation system on Rottnest Island, including the commissioning of a Wind Turbine and the addition of two new low load diesel generators to the power station, providing a significant increase in the power generating capacity on the Island.

In addition, the Rottnest Island Authority has replaced the existing 1.5Mgwt Main Distribution Board with a new 3Mgwt Main Distribution Board as well as installing a new outdoor HV Switchgear, enhancing the reliability and life of the power station.

The Rottnest Island Authority as a result of recommendations in the Rottnest Island Taskforce Report is considering outsourcing the management and operations of the power utility within the next two years.

The Rottnest Island Authority continues, in conjunction with Energy Safety WA, to maintain and continually review its "Electrical License" requirements to ensure that its power generation and network systems and its customers' electrical installations and apparatus are safe for use by employees, customers and the public.

Major Event Days

There were no major event days effected by outages during 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	2004/05	2005/06
Voltage Fluctuations	NA	UD
Harmonics	NA	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

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 = NIL

Clause 5(b)

Number of premises that experienced more than 16 interruptions = NIL

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

Date	Customers	Duration (mins)	Comment
N/A	N/A	N/A	N/A

Clause 6 and 10 – Total number of complaints received

2004/05	2005/06
N/A	0

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

Discrete Area	2004/05	2005/06
Other areas of the State	N/A	N/A

Clause 8 and 10 – Total amount spent addressing complaints

2004/05	2005/06
N/A	N/A

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:

	2004/05	2005/06
Number	N/A	0
Cost	N/A	0

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

	2004/05	2005/06
Number	N/A	0
Cost	N/A	0

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

Discrete area	2004/05	2005/06	Average
Rottnest Island	41.09	9.9	25.49

Note: Data for 2002/03 and 2003/04 is not available

EFFECT of MAJOR EVENT DAYS

There were no major event days within the reporting period.

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

Discrete area	2004/05	2005/06	Average
Rottnest Island	4.33	4.66	4.49

Note: Data for 2002/03 and 2003/04 in not available

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

Discrete area	2004/05	2005/06	Average
Rottnest Island	98.81	98.72	98.765

Note: Data for 2002/03 and 2003/04 in not available

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

Discrete area	2004/05	2005/06	AVERAGE
Rottnest Island	398	99	248.5