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## LEGISLATION

### Regulations



New South Wales

# Electricity Safety (Equipment Efficiency) Amendment Regulation 2003

under the

Electricity Safety Act 1945

Her Excellency the Governor, with the advice of the Executive Council, has made the following Regulation under the *Electricity Safety Act 1945*.

FRANK ERNEST SARTOR, M.P.,  
Minister for Energy and Utilities

#### Explanatory note

The object of this Regulation is to amend the *Electricity Safety (Equipment Efficiency) Regulation 1999*:

- (a) to provide that fluorescent lamp ballasts must comply with the minimum energy performance standards specified in the relevant Australian Standard, and
- (b) to provide that fluorescent lamp ballasts must be legibly labelled with the appropriate energy efficiency index classification specified in the relevant Australian Standard, and
- (c) to omit the label approval requirements for high efficiency three phase electric motors, and
- (d) to make minor amendments consequential on the amendments referred to in paragraphs (a)–(c).

This Regulation is made under the *Electricity Safety Act 1945*, including section 37 (the general regulation-making power).

Clause 1 Electricity Safety (Equipment Efficiency) Amendment Regulation 2003

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## **Electricity Safety (Equipment Efficiency) Amendment Regulation 2003**

under the

Electricity Safety Act 1945

### **1 Name of Regulation**

This Regulation is the *Electricity Safety (Equipment Efficiency) Amendment Regulation 2003*.

### **2 Amendment of Electricity Safety (Equipment Efficiency) Regulation 1999**

The *Electricity Safety (Equipment Efficiency) Regulation 1999* is amended as set out in Schedule 1.

Electricity Safety (Equipment Efficiency) Amendment Regulation 2003

Amendments

Schedule 1

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## Schedule 1 Amendments

(Clause 2)

[1] **Clause 15 Certain electrical articles to be appropriately labelled when sold**

Insert after clause 15 (1):

- (1A) A person must not sell a fluorescent lamp ballast for use with an International Lamp Coding System (ILCOS) lamp type FD (type T) lamp unless the ballast is legibly labelled with the appropriate energy efficiency index classification specified in the relevant standard.

Maximum penalty: 20 penalty units.

- (1B) A person must not sell a rotating electrical machine (three phase) that is labelled with the text “high efficiency” unless the machine satisfies the requirements of the relevant standard.

Maximum penalty: 20 penalty units.

[2] **Clause 15 (4) and (5)**

Omit the subclauses.

[3] **Clause 15A Other electrical articles may be appropriately labelled when sold**

Insert “, except fluorescent lamp ballasts and rotating electrical machines (three phase)” after “Schedule 3” in clause 15A (1).

[4] **Clause 17 Approval of energy efficiency label**

Insert “, except a fluorescent lamp ballast or a rotating electrical machine (three phase)” after “registers” in clause 17 (1A).

[5] **Clause 17 (1B)**

Omit the subclause.

[6] **Schedule 2, heading**

Insert “with an energy efficiency label” after “labelling”.

## Electricity Safety (Equipment Efficiency) Amendment Regulation 2003

## Schedule 1 Amendments

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**[7] Schedule 3, heading**

Omit “only”.

Insert instead “**but not labelling with an energy efficiency label**”

**[8] Schedule 3**

Insert in alphabetical order of the name of the article:

Fluorescent lamp ballasts for use with International Lamp Coding System (ILCOS) lamp type FD (type T) lamps	AS/NZS 4783.1:2001, <i>Performance of electrical lighting equipment—Ballasts for fluorescent lamps. Part 1: Method of measurement to determine energy consumption and performance of ballasts lamp circuits</i> AS/NZS 4783.2:2002, <i>Performance of electrical lighting equipment—Ballasts for fluorescent lamps. Part 2: Energy labelling and minimum energy performance standards requirements</i>
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New South Wales

# Public Finance and Audit Amendment (Ministry of Transport) Regulation 2003

under the

Public Finance and Audit Act 1983

Her Excellency the Governor, with the advice of the Executive Council, has made the following Regulation under the *Public Finance and Audit Act 1983*.

MICHAEL EGAN, M.L.C.,  
Treasurer

## Explanatory note

The *Public Finance and Audit Act 1983* provides for an officer of an authority to exercise functions relating to the committing or incurring of expenditure and the authorising of payment of accounts.

The object of this Regulation is to amend the *Public Finance and Audit Regulation 2000* to prescribe a member of staff of the Ministry of Transport as an officer of an authority in relation to the State Rail Authority.

This Regulation is made under the *Public Finance and Audit Act 1983*, including the definition of *officer of an authority* in section 4 (1) and section 64 (the general regulation-making power).

Clause 1            Public Finance and Audit Amendment (Ministry of Transport)  
                         Regulation 2003

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## **Public Finance and Audit Amendment (Ministry of Transport) Regulation 2003**

under the

Public Finance and Audit Act 1983

### **1 Name of Regulation**

This Regulation is the *Public Finance and Audit Amendment (Ministry of Transport) Regulation 2003*.

### **2 Amendment of Public Finance and Audit Regulation 2000**

The *Public Finance and Audit Regulation 2000* is amended by inserting after clause 17 (7) (b):

- (c) a member of staff of the Ministry of Transport.



New South Wales

# Public Finance and Audit Amendment (Energy Investment Fund) Regulation 2003

under the

Public Finance and Audit Act 1983

Her Excellency the Governor, with the advice of the Executive Council, has made the following Regulation under the *Public Finance and Audit Act 1983*.

MICHAEL EGAN, M.L.C.,  
Treasurer

## Explanatory note

Division 4 of Part 3 of the *Public Finance and Audit Act 1983* (***the Act***) enables the Auditor-General, at the request of the Treasurer, a Minister or certain other persons, to audit certain bodies and funds to which section 44 of the Act applies.

The object of this Regulation is to amend the *Public Finance and Audit Regulation 2000*:

- (a) to add, under section 44 (1) (a) of the Act, Eif Pty Limited to the list of statutory bodies that are subject to such particular audits, and
- (b) to add, under section 44 (1) (b) of the Act, Energy Investment Fund to the list of funds that are subject to such particular audits.

This Regulation is made under the *Public Finance and Audit Act 1983*, including sections 44 and 64 (the general regulation-making power).

Clause 1            Public Finance and Audit Amendment (Energy Investment Fund)  
                         Regulation 2003

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## **Public Finance and Audit Amendment (Energy Investment Fund) Regulation 2003**

under the

Public Finance and Audit Act 1983

### **1 Name of Regulation**

This Regulation is the *Public Finance and Audit Amendment (Energy Investment Fund) Regulation 2003*.

### **2 Amendment of Public Finance and Audit Regulation 2000**

The *Public Finance and Audit Regulation 2000* is amended as set out in Schedule 1.



Public Finance and Audit Amendment (Energy Investment Fund)  
Regulation 2003

Amendments

Schedule 1

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## Schedule 1 Amendments

(Clause 2)

**[1] Clause 20 Prescribed statutory bodies under Division 4 of Part 3 of the Act**

Insert after clause 20 (1) (aq):

(ar) Eif Pty Limited.

**[2] Clause 20 (2)**

Insert after clause 20 (2) (m):

(n) Energy Investment Fund.

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## Rules

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### ELECTRICITY SUPPLY ACT 1995

#### Notice of Approval of Amendment of Greenhouse Gas Benchmark Rule

##### Greenhouse Gas Benchmark Rule (Compliance) No. 1 of 2003

I, Frank Ernest Sartor, Minister for Energy and Utilities, pursuant to section 97K(4) and (5) of the Electricity Supply Act 1995, hereby give notice of approval of amendment to Greenhouse Gas Benchmark Rule (Compliance) No. 1 of 2003, the amendments of which are described in Schedule 1 of the notice hereto, and the amended Rule is set out in Schedule 2 of the notice hereto.

The amendment of the Rule takes effect from the date of gazettal.

A copy of the amended Greenhouse Gas Benchmark Rule (Compliance) No. 1 of 2003 may also be obtained through the Ministry of Energy and Utility's website at, [www.energy.nsw.gov.au](http://www.energy.nsw.gov.au).

Dated at Sydney, this 3rd day of September 2003.

FRANK ERNEST SARTOR, M.P.,  
Minister for Energy and Utilities

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### SCHEDULE 1

**[1] Minister's Name and title**

- 1.1 Omit "Kimberly Maxwell Yeadon, MP"
- 1.2 Insert "Frank Ernest Sartor, MP"
- 1.3 Insert " and Utilities" after "Energy"

**[2] Clause 1 Name and Commencement**

- 2.1 Omit "1 January 2003"
- 2.2 Insert "1 October 2003"

- 2.3 Insert “At its commencement, this Rule is to be taken as having amended the Greenhouse Gas Benchmark Rule (Compliance) that commenced on 1 January 2003, to the extent that this Rule differs from that Rule”

**[3] Clause 3 Application of the Rule**

Insert “Without limiting the persons to whom this Rule applies” before “This Rule”

**[4] Clause 5 Compliance with Greenhouse Gas Benchmarks - Equation 2**

- 4.1 Omit in the definition of *NGACs Surrendered* for Equation 2, “Regulations” after “surrendered under the” and insert instead “Act, not including any surrendered due to an order under section 97EF of the Act”
- 4.2 Omit in the definition of *LUACs Surrendered* for Equation 2, “Regulations” after “surrendered under the” and insert instead “Act, not including any surrendered due to an order under section 97EF of the Act”

**[5] Clause 7 Calculation of Total Electricity Purchased**

Insert in the Note after “distribution losses”, “Where a Benchmark Participant acting in a Class 4 or 5 Capacity is connected to, and receives supply directly from the transmission network, the distribution loss factor would be 1.000”

**[6] Clause 7.2 (b)**

Insert, “*Total*” before “*Deemed Generator Purchases*” wherever occurring in the clause

**[7] Clause 7.2(c)**

- 7.1 Omit Equation 5 and insert new Equation 5 as follows:

**“Equation 5**

$$\text{Total Deemed Generator Purchases} = \frac{\text{Purchased Generation}_G}{\text{Emissions Intensity Adjustment Factor}_G}$$

*Where:*

- *Total Deemed Generator Purchases* is in MWh

- *Purchased Generation* is the quantity of electricity purchased from that Generating System by that Benchmark Participant acting in a Class 1, 2 or 3 Capacity, and is in MWh
- *Emissions Intensity Adjustment Factor* is the value in Table 9 of Schedule A to this Rule appropriate to whether the Generating System is connected at a user site, to the distribution system, or to the transmission system.
- *G* is each Generating System from which sent out electricity is purchased by that Benchmark Participant acting in a Class 1, 2 or 3 Capacity”

#### 7.2 **Equation 6**

Insert at the second dot point in the definition of *Exempt Sales* for Equation 6, after “sold” “(either directly or indirectly)”

- 7.3 Omit in Equation 6 definitions, the third dot point and insert instead “*DLF* is the distribution loss factor specific to each load being managed by a Benchmark Participant acting in a class 4 or 5 Capacity or the Distribution Loss Factor in Table 7 of Schedule A to this Rule for the Benchmark Participant acting in a Class 4 or 5 Capacity”

#### 7.4 **Equation 7**

Insert at the second dot point in the definition of *Exempt Sales* for Equation 7 after “sold”, “(either directly or indirectly)”

- 7.5 Omit in Equation 7 definitions, the third dot point and insert instead “*DLF* is the distribution loss factor specific to that end user (which may be 1.0 in the case of users connected directly to the transmission system) or the Distribution Loss Factor in Table 7 of Schedule A to this Rule for the Benchmark Participant acting in a Class 4 or 5 Capacity”

### [8] **Clause 8 Calculation of Total Electricity Sold**

- 8.1 Omit Equation 8 and insert instead new Equation 8 as follows:

#### “**Equation 8**

$$\text{Total Electricity Sold} = (\text{NEMMCO Purchases} / \text{DLF}) + \sum_G \text{Purchased Generation}_G / \text{LF}_{G-P} - \sum_P \text{Exempt Sales}_P \text{ (if any)}$$

Where:

- *Total Electricity Sold* is in MWh
- *NEMMCO Purchases* (in MWh) is the quantity of electricity that is purchased from NEMMCO in a Compliance Year from any of those transmission nodes listed in Schedule B to these Rules
- *DLF* is:

- the Distribution Loss Factor for that year calculated by that Benchmark Participant using NEMMCO or other data approved by the Tribunal or, if no such value is advised, the appropriate Distribution Loss Factor in Table 7 of Schedule A to this Rule, for Benchmark Participants acting in a Class 1 Capacity; or
- 1.0, for Benchmark Participants acting in a Class 2 Capacity
- *Purchased Generation* (in MWh) is the quantity of electricity purchased from that Generating System by that Benchmark Participant acting in a Class 1, 2 or 3 Capacity
- *LF* indicates the value of the distribution losses avoided due to the location of the power plant directly at a point of demand and is:
  - 1.0 for a Category A Generating System or Embedded Generating System connected at an end-user's site; or
  - the Distribution Loss Factor in Table 6 of Schedule A to this Rule applying at that location for a Generating System connected at the distribution system level but not connected at an end-user's site.
  - Transmission Loss Factor in Table 8 x Distribution Loss Factor in Table 7 of Schedule A to this Rule for Generating Systems connected to the transmission system
- *G* is each Class 1 Benchmark Participant that is sold electricity by the Category A Generating System or Embedded Generating System
- *Exempt Sales* (in MWh) is the electricity sold (either directly or indirectly) to all Benchmark Participants acting in a Class 4 or 5 Capacity by the Benchmark Participant acting in a Class 1 or 2 Capacity in the Compliance Year.
- *P* is each Class 4 or 5 Benchmark Participant that is sold electricity by the Benchmark Participant acting in a Class 1 or 2 Capacity”

8.2 Omit Equation 9

**[9] Clause 8.4 (b)**

Omit “DLF” after “appropriate” and insert instead “Distribution Loss Factor”

**[10] Clause 9.1.3**

10.1 Omit after “the Tribunal will”, “each of the years 2005 to 2012, determine the NSW Pool Coefficient to be the average of the *Annual Pool Values* for a five year period ending two years before the year for which the NSW Pool Coefficient is being determined” and insert instead “the years 2005 to 2012 inclusive determine the pool coefficient to apply in that year as follows:

- a) For the year 2005, as the average of the Annual Pool Values (calculated in accordance with clause 9.1.4) for the years 1999 to 2003 inclusive;
- b) For the year 2006, as the average of the Annual Pool Values (calculated in accordance with clause 9.1.4) for the years 2000 to 2004 inclusive;
- c) For the year 2007, as the average of the Annual Pool Values (calculated in accordance with clause 9.1.4) for the years 2001 to 2005 inclusive;
- d) For the year 2008, as the average of the Annual Pool Values (calculated in accordance with clause 9.1.4) for the years 2002 to 2006 inclusive;
- e) For the year 2009, as the average of the Annual Pool Values (calculated in accordance with clause 9.1.4) for the years 2003 to 2007 inclusive;
- f) For the year 2010, as the average of the Annual Pool Values (calculated in accordance with clause 9.1.4) for the years 2004 to 2008 inclusive;
- g) For the year 2011, as the average of the Annual Pool Values (calculated in accordance with clause 9.1.4) for the years 2005 to 2009 inclusive; and
- h) For the year 2012, as the average of the Annual Pool Values (calculated in accordance with clause 9.1.4) for the years 2006 to 2010 inclusive.”

10.3 Omit the following note:

“Note: The values of the New South Wales Pool Coefficient for the years 2003 and 2004 stipulated in clauses 9.1.1 and 9.1.2 were derived using the approach set out in 9.1.3.”

**[11] Clause 9.1.4**

Insert in the Note after “Method 1”, “, including Category B Generating Systems, as classified under the Generation Rule”

**[12] Clause 9.1.5**

Omit clause 9.1.5

**[13] Method 1**

13.1 Omit in Method 1, Factor (1), 1) “[Note” after “Sent Out Generation”

- 13.2 Omit in Method 1, Factor (1) (b) (ii) after "sewage gas", "or other methane gas" and insert instead:

“;and

(c) *NGACS Created*, which is the sum of NGACs (in tonnes of carbon dioxide equivalent) registered by that Category B generating system for that year in accordance with the Generation Rule”

- 13.3 Omit Factor (3) in Method 1, and insert instead:

“Factor 3

Determine the Annual Pool Value (in t CO<sub>2</sub>-e/MWh) for a given year:

1. If *Net imports from Vic/SA* and *Net imports from Qld* are both > 0:

$$\frac{\{\text{Total NSW Emissions} + (\text{Net imports from Vic/SA} \times \text{Vic/SA Emissions Intensity}) + (\text{Net imports from Qld} \times \text{Qld Emissions Intensity})\}}{\{(\text{Total NSW Net Sent Out Generation} \times \text{NSW Transmission Scaling Factor}) + \text{Net imports from Vic/SA} + \text{Net imports from Qld}\}}$$

2. If *Net exports to Vic/SA* and *Net exports to Qld* are both > 0:

$$\frac{\text{Total NSW Emissions}}{(\text{Total NSW Net Sent Out Generation} \times \text{NSW Transmission Scaling Factor})}$$

3. If conditions 1 and 2 are not satisfied, and:

- (a) If *Net imports from Vic/SA* > *Net exports to Qld*:

$$\frac{\{\text{Total NSW Emissions} + (\text{Net imports from Vic/SA} - \text{Net exports to Qld}) \times \text{Vic/SA Emissions Intensity}\}}{\{(\text{Total NSW Net Sent Out Generation} \times \text{NSW Transmission Scaling Factor}) + [\text{Net imports from Vic/SA} - \text{Net exports to Qld}]\}}$$

- (b) If *Net imports from Qld* > *Net exports to Vic/SA*:

$$\frac{\{\text{Total NSW Emissions} + (\text{Net imports from Qld} - \text{Net exports to Vic/SA}) \times \text{Qld Emissions Intensity}\}}{\{(\text{Total NSW Net Sent Out Generation} \times \text{NSW Transmission Scaling Factor}) + (\text{Net imports from Qld} - \text{Net exports to Vic/SA})\}}$$

- (c) If *Net exports to Vic/SA* > *Net imports from Qld*:

Total NSW Emissions / Total NSW Net Sent Out Generation x  
NSW Transmission Scaling Factor

(d) If Net exports to Qld > Net imports from Vic/SA:

Total NSW Emissions / Total NSW Net Sent Out Generation x  
NSW Transmission Scaling Factor

Where:

- *Total NSW Emissions* (in t CO<sub>2</sub>-e) is the sum of *Combustion Emissions*, *Fugitive Emissions*, and *NGACs Created* as defined in Factor (1) above, for all Category B Generating Systems classified under the Generation Rule.
- *Net imports from Vic/SA* (in MWh) is the net electricity imported from Generating Systems located in Victoria or South Australia delivered to the NSW Electricity Network less the electricity exported from the NSW Electricity Network to the Victorian and South Australian network (exclusive of losses on the interconnectors) or is zero if it is otherwise a negative value.
- *Net exports to Qld* (in MWh) is net electricity exported from the NSW Electricity Network to the Queensland Electricity Network less electricity imported from the Queensland Electricity Network to the NSW Electricity Network (exclusive of losses on the interconnectors) or is zero if it is otherwise a negative value.
- *Net imports from Qld* (in MWh) is net electricity imported from Generating Systems located in Queensland delivered to the NSW Electricity Network less the electricity exported from the NSW Electricity Network to the Queensland Electricity Network (exclusive of losses on the interconnectors) or is zero if it is otherwise a negative value.
- *Net exports to Vic/SA* (in MWh) is net electricity exported from the NSW Electricity Network to the Victorian and South Australian Electricity Networks less electricity imported from the Victoria and South Australian Electricity Network to the NSW Electricity Network (exclusive of losses on the interconnectors) or is zero if it is otherwise a negative value.
- *Total NSW Net Sent Out Generation* (in MWh) is the sum of Net Sent Out Generation for all Category B Generating Systems classified under the Generation Rule, as set out in Factor (1) above.
- *NSW Transmission Scaling Factor* is the Transmission Scaling Factor for New South Wales set out in Table 8 of Schedule A to this Rule.
- *Qld Emission Intensity* (in t CO<sub>2</sub>-e / MWh) is 0.958 for each of the years 2003 to 2012.
- *Vic/SA Emission Intensity* (in t CO<sub>2</sub>-e / MWh) is 1.273 for each of the years 2003 to 2012"



**[14] Table 5**

- 14.1 Insert "Default" after "Nitrous Oxide" in the title to Table 5
- 14.2 Insert superscript "a" after "Natural Gas" in Table 5
- 14.3 Insert footnote "a" to Table 5 "These factors may also apply to waste coal mine gas, landfill gas and sewage gas"

**[15] Table 6**

Insert "Default" before "Distribution" in title of Table 6

**[16] Table 7**

Insert "Default" before "Distribution" in title of Table 7

**[17] Table 8**

Insert "Default" before "Transmission" in title of Table 8

**[18] Table 9**

- 18.1 Omit Table 9 and insert instead:

At user site	the Distribution Loss Factor applying at the site  <b>or</b> the default Distribution Loss Factor for that distribution system from Table 7 in this Schedule
To distribution system	1.0
To transmission system	Transmission Scaling Factor for the State where the Generating System is located from Table 8 in this Schedule

**[19] Schedule B – Transmission Nodes**

Insert footnote "The list of applicable Transmission Nodes will vary from time to time. The relevant Transmission Nodes for the purpose of this Rule will be those reported publicly by NEMMCO"

## SCHEDULE 2

### Greenhouse Gas Benchmark Rule (Compliance) No. 1 of 2003

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Frank Ernest Sartor, MP  
Minister for Energy and Utilities

#### 1 Name and commencement

This rule is the *Greenhouse Gas Benchmark Rule (Compliance) No. 1 of 2003* and commences on 3 October 2003. At its commencement, this Rule is to be taken as having amended the Greenhouse Gas Benchmark Rule (Compliance) that commenced on 1 January 2003, to the extent that this Rule differs from that Rule.

#### 2 Objects of the Rule

The objects of this Rule are to provide specific arrangements for the calculation of Greenhouse Gas Benchmarks, Attributable Emissions, and any Greenhouse Shortfall for Benchmark Participants.

#### 3 Application of the Rule

Without limiting the persons to whom this Rule applies, this Rule applies to Benchmark Participants listed in section 97BB of the Act.

#### 4 Status and Operation of the Rule

This Rule is a Greenhouse Gas Benchmark Rule made under Part 8A of the Act.

#### 5 Compliance with Greenhouse Gas Benchmarks

Note: Clause 5 is used to calculate any Greenhouse Shortfall for which a Benchmark Participant is responsible, on which any penalty will be paid subject to the shortfall allowance provisions under the Act.

- 5.1 A Benchmark Participant has complied with its greenhouse gas benchmark for a Compliance Year if its Greenhouse Shortfall, calculated in accordance with **Equation 1**, is zero.
- 5.2 A Benchmark Participant has failed to comply with its greenhouse gas benchmark for a Compliance Year if its Greenhouse Shortfall, calculated in accordance with **Equation 1**, is greater than zero.

##### **Equation 1**

If Attributable Emissions - Greenhouse Gas Benchmark  $> 0$ , then:

$$\text{Greenhouse Shortfall} = \text{Attributable Emissions} - \text{Greenhouse Gas Benchmark}$$

If Attributable Emissions - Greenhouse Gas Benchmark  $\leq 0$ , then:

$$\text{Greenhouse Shortfall} = 0$$

Where:

- *Greenhouse Shortfall* is in t CO<sub>2</sub>-e
- *Attributable Emissions* (in t CO<sub>2</sub>-e) is calculated using Equation 2
- *Greenhouse Gas Benchmark* (in t CO<sub>2</sub>-e) is calculated using Equation 3

### Equation 2

$$\text{Attributable Emissions} = (\text{Total Electricity Purchased} \times \text{NSW Pool Coefficient}) - \text{NGACs Surrendered} - (\text{RECs Counted} \times \text{NSW Pool Coefficient}) - \text{LUACs Surrendered}$$

Where:

- *Attributable Emissions* is in t CO<sub>2</sub>-e
- *Total Electricity Purchased* (in MWh) is calculated in clause 7.
- *NSW Pool Coefficient* (in t CO<sub>2</sub>-e/MWh) is determined for each Compliance Year by the Tribunal using clause 9.1.
- *NGACs Surrendered* (in t CO<sub>2</sub>-e abated) means the total number of NGACs registered to the Benchmark Participant that have been surrendered under the Act, not including any surrendered due to an order under section 97EF of the Act.
- *RECs Counted* (in MWh) means the total number of RECs the Benchmark Participant may count under the Regulations.
- *LUACs Surrendered* (in t CO<sub>2</sub>-e abated) means the total number of LUACs registered to the Benchmark Participant that have been surrendered under the Act, not including any surrendered due to an order under section 97EF of the Act .

## 6 Calculation of a Greenhouse Gas Benchmark for each Benchmark Participant

Note: Under this clause, the Greenhouse Gas Benchmark of a Benchmark Participant is calculated by reference to its share of Total State Electricity Demand in a year, the State Greenhouse Gas Benchmark, and the population of New South Wales.

A Greenhouse Gas Benchmark in tonnes of carbon dioxide equivalent is to be calculated for each Benchmark Participant using Equation 3.

**Equation 3**

Greenhouse Gas Benchmark = (Total Electricity Sold / Total State Electricity Demand) x Electricity Sector Benchmark

Where:

- *Greenhouse Gas Benchmark* is in t CO<sub>2</sub>-e
- *Electricity Sector Benchmark* (in t CO<sub>2</sub>-e) is calculated using Equation 4
- *Total State Electricity Demand* is determined by the Tribunal under clause 9.2
- *Total Electricity Sold* is calculated for the Benchmark Participant in clause 8

**Equation 4**

Electricity Sector Benchmark = Total State Population x State Greenhouse Gas Benchmark for that year

Where:

- *Electricity Sector Benchmark* is in t CO<sub>2</sub>-e
- *Total State Population* is determined for each Compliance Year by the Tribunal under clause 9.3
- *State Greenhouse Gas Benchmarks* (in t CO<sub>2</sub>-e per capita) are set out in section 97B of the Act.

**7 Calculation of Total Electricity Purchased**

Note: To calculate the Attributable Emissions of a Benchmark Participant, this clause is used to calculate the total electricity it has purchased either actually or notionally at the transmission nodes. Where a Benchmark Participant purchases electricity at a Connection Point within a distribution network, this clause calculates its deemed purchases as if those purchases had been made at the transmission level by adjusting for distribution losses. Where a Benchmark Participant acting in a Class 4 or 5 Capacity is connected to, and receives supply directly from the transmission network, the distribution loss factor would be 1.000.

7.1 Total Electricity Purchased must be rounded to the nearest whole MWh.

7.2 For a Benchmark Participant acting in a Class 1, 2 or 3 Capacity, *Total Electricity Purchased* is the total of:

- (a) the quantity of electricity that is purchased in that capacity from NEMMCO in a Compliance Year from any of those transmission nodes listed in Schedule B to this Rule as advised to that Benchmark Participant in the final settlement report that NEMMCO has issued with respect to the settlement periods in that Compliance Year; and
- (b) the total of *Total Deemed Generator Purchases* in a Compliance Year in respect of electricity obtained from Category A Generating Systems or any other Embedded Generating Systems that are located in NSW that do not trade their electricity through the national electricity market operated by NEMMCO, where *Total Deemed Generator Purchases* for each such Category A Generating System or Embedded Generating System is calculated in **Equation 5**,

less:

- (c) if a Benchmark Participant is acting in a Class 1 or 2 Capacity supplying energy to a Benchmark Participant acting in a Class 4 or 5 Capacity, the *Total Deemed End-user Purchases* calculated in Equation 6.

**Equation 5**

$$\text{Total Deemed Generator Purchases} = \frac{\text{Purchased Generation}_G}{\text{Emissions Intensity}_G} \times \text{Adjustment Factor}_G$$

Where:

- *Total Deemed Generator Purchases* is in MWh
- *Purchased Generation* is the quantity of electricity purchased from that Generating System by that Benchmark Participant acting in a Class 1,2 or 3 Capacity, and is in MWh
- *Emissions Intensity Adjustment Factor* is the value in Table 9 of Schedule A to this Rule appropriate to whether the Generating System is connected at a user site, to the distribution system, or to the transmission system.
- *G* is each Generating System from which sent out electricity is purchased by that Benchmark Participant acting in a Class 1,2 or 3 Capacity

**Equation 6**

$$\text{Total Deemed End-User Purchases} = \sum_P \text{Exempt Sales}_P \times \text{DLF}_P$$

Where:

- *Total Deemed End-User Purchases* is in MWh
- *Exempt Sales* (in MWh) is the total electricity sold (either directly or indirectly) to the Benchmark Participant acting in a Class 4 or 5 Capacity by the Benchmark Participant acting in a Class 1 or 2 Capacity in the Compliance Year
- *DLF* is the distribution loss factor specific to each load being managed by a Benchmark Participant acting in a class 4or 5 Capacity or the Distribution Loss Factor in Table 7 of Schedule A to this Rule for the Benchmark Participant acting in a Class 4 or 5 Capacity
- *P* is each Class 4 or 5 Benchmark Participant that is sold electricity by the Benchmark Participant acting in a Class 1 or 2 Capacity

- 7.3 For Benchmark Participant acting in a Class 4 or 5 Capacity, *Total Electricity Purchased* is equal to the *Deemed End-User Purchases* in that capacity calculated in Equation 7.

**Equation 7**

$$\text{Deemed End-User Purchases} = \text{Exempt Sales} \times \text{DLF}$$

Where:

- *Deemed End-User Purchases* is in MWh
- *Exempt Sales* (in MWh) is the total electricity sold (either directly or indirectly) to the Benchmark Participant acting in a Class 4 or 5 Capacity by the Benchmark

- |  |
|--|
| <p>Participant acting in a Class 1 or 2 Capacity in the Compliance Year</p> <ul style="list-style-type: none"><li>• <i>DLF</i> is the distribution loss factor specific to that end user (which may be 1.0 in the case of users connected directly to the transmission system) or the Distribution Loss Factor in Table 7 of Schedule A to this Rule for the Benchmark Participant acting in a Class 4 or 5 Capacity</li></ul> |
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7.4 In the event that there is any apparent discrepancy between:

- (a) the value for the quantity of electricity that is purchased from NEMMCO in a Compliance Year from any of those transmission nodes listed in Schedule B to this Rule used to calculate *Total Electricity Purchased* under this clause 7; and
  - (b) any data which the Tribunal obtains directly from NEMMCO in respect of a Benchmark Participant,
- the Tribunal will:
- (c) attempt to resolve the discrepancy with the Benchmark Participant; and
  - (d) if (c) is unsuccessful, make a final determination as to the *Total Electricity Purchased*.

## 8 Calculation of Total Electricity Sold

<p>Note: To calculate the Greenhouse Gas Benchmark of a Benchmark Participant, this clause is used to calculate the total electricity it has sold either actually or notionally at the distribution level. Where a Benchmark Participant takes electricity from a transmission network, this clause calculates its deemed sales as if those sales had been made at the distribution level by adjusting for distribution losses.</p>
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- 8.1 Total Electricity Sold must be rounded to the nearest whole MWh.
- 8.2 Total Electricity Sold is not to include electricity supplied by Generating Systems not connected to the NSW Electricity Network.
- 8.3 For a Benchmark Participant acting in a Class 1 or 2 Capacity, *Total Electricity Sold* is calculated using Equation 8.

**Equation 8**

$$\text{Total Electricity Sold} = (\text{NEMMCO Purchases} / \text{DLF}) + \frac{\text{Purchased Generation}_G}{\text{LF}_G} - \text{Exempt Sales}_P \text{ (if any)}$$

Where:

- *Total Electricity Sold* is in MWh
- *NEMMCO Purchases* (in MWh) is the quantity of electricity that is purchased from NEMMCO in a Compliance Year from any of those transmission nodes listed in Schedule B to these Rules
- *DLF* is:
  - the Distribution Loss Factor for that year calculated by that Benchmark Participant using NEMMCO or other data approved by the Tribunal or, if no such value is advised, the appropriate Distribution Loss Factor in Table 6 of Schedule A to this Rule, for Benchmark Participants acting in a Class 1 Capacity; or
  - 1.0, for Benchmark Participants acting in a Class 2 Capacity
- *Purchased Generation* (in MWh) is the quantity of electricity purchased from that Generating System by that Benchmark Participant acting in a Class 1, 2 or 3 Capacity
- *LF* indicates the value of the distribution losses avoided due to the location of the power plant directly at a point of demand and is:
  - 1.0 for a Category A Generating System or Embedded Generating System connected at an end-user's site; or
  - the Distribution Loss Factor in Table 7 of Schedule A to this Rule applying at that location for a Generating System connected at the distribution system level but not connected at an end-user's site.
  - Transmission Loss Factor in Table 8 x Distribution Loss Factor in Table 7 of Schedule A to this Rule for Generating Systems connected to the transmission system
- *G* is each Class 1 Benchmark Participant that is sold electricity by the Category A Generating System or Embedded Generating System
- *Exempt Sales* (in MWh) is the electricity sold (either directly or indirectly) to all Benchmark Participants acting in a Class 4 or 5 Capacity by the Benchmark Participant acting in a Class 1 or 2 Capacity in the Compliance Year.
- *P* is each Class 4 or 5 Benchmark Participant that is sold electricity by the Benchmark Participant acting in a Class 1 or 2 Capacity

8.4 For a Benchmark Participant acting in a Class 3 Capacity *Total Electricity Sold* is equal to:

- (a) for those connected to the transmission network as defined in the National Electricity Code, *Total Electricity Purchased* for the use of that Benchmark Participant in that capacity in this State calculated using clause 7; and
- (b) for those connected to the distribution network as defined in the National Electricity Code, *Total Electricity Purchased* for the use of that Benchmark Participant in that capacity in this State calculated using clause 7 divided by the Distribution Loss Factor for that year advised to that Benchmark Participant by NEMMCO or, if no such value is advised, the appropriate Distribution Loss Factor in Table 7 of Schedule A to this Rule.

- 8.5 For a Benchmark Participant acting in a Class 4 or 5 Capacity Total Electricity Sold is equal to the amount of metered electricity it purchases in that capacity.

## **9 Factors to be determined by the Tribunal**

### **9.1 NSW Pool Coefficient**

Note: This method calculates the average emissions per unit of electricity delivered at transmission nodes for all Generating Systems supplying the notional New South Wales Pool. The notional New South Wales Pool includes electricity delivered to New South Wales, the Australian Capital Territory, and any net electricity exports to other States.

- 9.1.1 For 2003, the NSW Pool Coefficient shall be 0.897.
- 9.1.2 For 2004, the NSW Pool Coefficient shall be 0.906.
- 9.1.3 For the purposes of the Act, the Tribunal will for the years 2005 to 2012 inclusive determine the pool coefficient to apply in that year as follows:

- (a) For the year 2005, as the average of the Annual Pool Values (calculated in accordance with clause 9.1.4) for the years 1999 to 2003 inclusive;
- (b) For the year 2006, as the average of the Annual Pool Values (calculated in accordance with clause 9.1.4) for the years 2000 to 2004 inclusive;
- (c) For the year 2007, as the average of the Annual Pool Values (calculated in accordance with clause 9.1.4) for the years 2001 to 2005 inclusive;
- (d) For the year 2008, as the average of the Annual Pool Values (calculated in accordance with clause 9.1.4) for the years 2002 to 2006 inclusive;
- (e) For the year 2009, as the average of the Annual Pool Values (calculated in accordance with clause 9.1.4) for the years 2003 to 2007 inclusive;
- (f) For the year 2010, as the average of the Annual Pool Values (calculated in accordance with clause 9.1.4) for the years 2004 to 2008 inclusive;
- (g) For the year 2011, as the average of the Annual Pool Values (calculated in accordance with clause 9.1.4) for the years 2005 to 2009 inclusive; and
- (h) For the year 2012, as the average of the Annual Pool Values (calculated in accordance with clause 9.1.4) for the years 2006 to 2010 inclusive.

- 9.1.4 The *Annual Pool Values* are:

- (a) for 1997, the New South Wales Pool Coefficient reported by the New South Wales Department of Energy for the 1996 / 1997 financial year multiplied by the Transmission Loss Factor for New South Wales in Table 8 of Schedule A to this Rule;
- (b) for 1998, the New South Wales Pool Coefficient reported by the Licence Compliance Advisory Board for the 1997 / 1998 financial year multiplied by the Transmission Loss Factor for New South Wales in Table 8 of Schedule A to this Rule;



- (c) for 1999, the New South Wales Pool Coefficient reported by the Licence Compliance Advisory Board for the 1998 / 1999 financial year multiplied by the Transmission Loss Factor for New South Wales in Table 8 of Schedule A to this Rule;
- (d) for 2000, the New South Wales Pool Coefficient reported by the Tribunal for the 1999 / 2000 financial year multiplied by the Transmission Loss Factor for New South Wales in Table 8 of Schedule A to this Rule;
- (e) for 2001, the New South Wales Pool Coefficient reported by the Tribunal for the 2000 /2001 financial year multiplied by the Transmission Loss Factor for New South Wales in Table 8 of Schedule A to this Rule;
- (f) for 2002, the New South Wales Pool Coefficient calculated by the Tribunal for the 2001 / 2002 financial year including the adjustment for the Transmission Loss Factor for New South Wales; and
- (g) for 2003 onwards, the values determined by the Tribunal having regard to the factors described in Method 1.

Note: Under section 97HC of the Act, the Tribunal may require persons to provide information in order to apply Method 1, including Category B Generating Systems, as classified under the Generation Rule.

**Method 1**Factor (1)

In respect of each Category B Generating System, as classified under the Generation Rule:

1) Obtain from NEMMCO the Net Sent Out Generation. In respect of those Generating Systems against which “(a)” appears in Schedule B of the Generation Rule, Net Sent Out Generation for the purpose of this Rule is 71% of that Generating System’s total Net Sent Out Generation;

2) Calculate the following for the year for which the *Annual Pool Value* is being determined:

(a) *Combustion Emissions*, which is the total of:

(i) for Fossil Fuels, as defined in the Generation Rule, the sum of:

1. CO<sub>2</sub> emissions at the point of combustion (in tonnes), calculated using **Equation 7** in the Generation Rule; and
2. CH<sub>4</sub> emissions at the point of combustion (in tonnes of carbon dioxide equivalent), calculated using **Equation 8** in the Generation Rule; and
3. N<sub>2</sub>O emissions at the point of combustion (in tonnes of carbon dioxide equivalent), calculated using **Equation 9** in the Generation Rule; and

(ii) for each Renewable Energy Source, as defined in the Generation Rule, the sum of:

1. CH<sub>4</sub> emissions at the point of combustion (tonnes of carbon dioxide equivalent), calculated using **Equation 14** in the Generation Rule; and
2. N<sub>2</sub>O emissions at the point of combustion (tonnes of carbon dioxide equivalent), calculated using **Equation 15** in the Generation Rule; and

(b) *Fugitive Emissions*, which is the total of:

(i) for Fossil Fuels, as defined in the Generation Rule, the total of:

1. if the Fossil Fuel is natural gas, fugitive CO<sub>2</sub> emissions associated with the production of the Fossil Fuel (in tonnes of carbon dioxide equivalent) calculated using **Equation 10** in the Generation Rule; plus
2. if the Fossil Fuel is natural gas, fugitive CH<sub>4</sub> emissions associated with the production of the Fossil Fuel (in tonnes of carbon dioxide equivalent), calculated using **Equation 11** in the Generation Rule; plus
3. if the Fossil Fuel is black coal, the total of fugitive CH<sub>4</sub> emissions associated with the production of the Fossil Fuel for mines from which coal is sourced (in tonnes of carbon dioxide equivalent), where the fugitive CH<sub>4</sub> emissions associated with the production of the Fossil Fuel for each mine are calculated using **Equation 12** in the Generation Rule; less

4. if the Fossil Fuel is waste coal mine gas, fugitive CH<sub>4</sub> emissions avoided through the use of waste coal mine gas (in tonnes of carbon dioxide equivalent), using **Equation 13** in the Generation Rule; less

(ii) for each Renewable Energy Source, as defined in the Generation Rule, if the fuel is landfill gas or sewage gas, fugitive CH<sub>4</sub> emissions avoided through the use of the fuel (tonnes of carbon dioxide equivalent), calculated using **Equation 16** in the Generation Rule; and

(c) *NGACS Created*, which is the sum of NGACs (in tonnes of carbon dioxide equivalent) registered by that Category B generating system for that year in accordance with the Generation Rule

Factor (2)

Obtain from NEMMCO the Net Electricity Supplied from and to the NSW Electricity Network to and from Generating Systems located in Victoria, South Australia, and Queensland.

Factor (3)

Determine the *Annual Pool Value* (in t CO<sub>2</sub>-e/MWh) for a given year:

1. If *Net imports from Vic/SA* and *Net imports from Qld* are both > 0:

$$\frac{\{ \text{Total NSW Emissions} + (\text{Net imports from Vic/SA} \times \text{Vic/SA Emissions Intensity}) + (\text{Net imports from Qld} \times \text{Qld Emissions Intensity}) \}}{\{ (\text{Total NSW Net Sent Out Generation} \times \text{NSW Transmission Scaling Factor}) + \text{Net imports from Vic/SA} + \text{Net imports from Qld} \}}$$

2. If *Net exports to Vic/SA* and *Net exports to Qld* are both > 0:

Total NSW Emissions / (Total NSW Net Sent Out Generation x NSW Transmission Scaling Factor)

3. If conditions 1 and 2 are not satisfied, and:

(a) If *Net imports from Vic/SA* > *Net exports to Qld*:

$$\frac{\{ \text{Total NSW Emissions} + (\text{Net imports from Vic/SA} - \text{Net exports to Qld}) \times \text{Vic/SA Emissions Intensity} \}}{\{ (\text{Total NSW Net Sent Out Generation} \times \text{NSW Transmission Scaling Factor}) + [\text{Net imports from Vic/SA} - \text{Net exports to Qld}] \}}$$

(b) If *Net imports from Qld* > *Net exports to Vic/SA*:

$$\frac{\{ \text{Total NSW Emissions} + (\text{Net imports from Qld} - \text{Net exports to Vic/SA}) \times \text{Qld Emissions Intensity} \}}{\{ (\text{Total NSW Net Sent Out Generation} \times \text{NSW Transmission Scaling Factor}) + (\text{Net imports from Qld} - \text{Net exports to Vic/SA}) \}}$$

(c) If *Net exports to Vic/SA* > *Net imports from Qld*:

Total NSW Emissions / Total NSW Net Sent Out Generation x NSW Transmission Scaling Factor

(d) If *Net exports to Qld* > *Net imports from Vic/SA*:

Total NSW Emissions / Total NSW Net Sent Out Generation x NSW Transmission Scaling Factor

Where:

- *Total NSW Emissions* (in t CO<sub>2</sub>-e) is the sum of *Combustion Emissions*, *Fugitive Emissions*, and *NGACs Created* as defined in Factor (1) above, for all Category B Generating Systems classified under the Generation Rule.
- *Net imports from Vic/SA* (in MWh) is the net electricity imported from Generating Systems located in Victoria or South Australia delivered to the NSW Electricity Network less the electricity exported from the NSW Electricity Network to the Victorian and South Australian network (exclusive of losses on the interconnectors) or is zero if it is otherwise a negative value.
- *Net exports to Qld* (in MWh) is net electricity exported from the NSW Electricity Network to the Queensland Electricity Network less electricity imported from the Queensland Electricity Network to the NSW Electricity Network (exclusive of losses on the interconnectors) or is zero if it is otherwise a negative value.
- *Net imports from Qld* (in MWh) is net electricity imported from Generating Systems located in Queensland delivered to the NSW Electricity Network less the electricity exported from the NSW Electricity Network to the Queensland Electricity Network (exclusive of losses on the interconnectors) or is zero if it is otherwise a negative value.
- *Net exports to Vic/SA* (in MWh) is net electricity exported from the NSW Electricity Network to the Victorian and South Australian Electricity Networks less electricity imported from the Victoria and South Australian Electricity Network to the NSW Electricity Network (exclusive of losses on the interconnectors) or is zero if it is otherwise a negative value.
- *Total NSW Net Sent Out Generation* (in MWh) is the sum of Net Sent Out Generation for all Category B Generating Systems classified under the Generation Rule, as set out in Factor (1) above.
- *NSW Transmission Scaling Factor* is the Transmission Scaling Factor for New South Wales set out in Table 8 of Schedule A to this Rule.
- *Qld Emission Intensity* (in t CO<sub>2</sub>-e / MWh) is 0.958 for each of the years 2003 to 2012.
- *Vic/SA Emission Intensity* (in t CO<sub>2</sub>-e / MWh) is 1.273 for each of the years 2003 to 2012.

## 9.2 Total State Electricity Demand

For the purposes of the Act, the Tribunal will for any given year determine the Total State Electricity Demand to be the value calculated in accordance with Method 2.

### Method 2

#### Step (1)

Determine the Projected electricity consumption in NSW in a given year by:

- (i) if an *Annual Planning Report* or an equivalent document has been published by *TransGrid NSW* or its successors within the year preceding the determination, taking from that Report the average of the medium projected end-use electricity consumption in NSW and the ACT for the two financial years that include the year for which the Total State Electricity Demand is being determined; or
- (ii) if no such Report has been published within the year preceding the determination, taking the actual end-use electricity consumption in NSW and the ACT in the previous financial year and applying the percentage change projected for the most recent corresponding period in the latest *Annual Planning Report* or an equivalent document published by *TransGrid NSW* or its successors,

and subtracting from that value an allowance for sales in the Australian Capital Territory, which allowance is 4.5% unless the Tribunal determines otherwise.

#### Step (2)

Calculate the *Total State Electricity Demand* by adding to the Projected electricity consumption in NSW:

- (i) 0 in 2003 and 2004; and
- (ii) after 2004, the electricity sales corresponding to the total number of NGACs created under the DSA Rule in the year that is two years before the year for which the Total State Electricity Demand is being determined.

Note: Demand Side Abatement both reduces the electricity demand and creates NGACs. Consequently, Step (2) is required to overcome the double counting of benefits from NGACs created through Demand Side Abatement.

## 9.3 Total State Population

For the purposes of the Act, the Tribunal will for any given year determine the Total State Population to be the New South Wales Estimated Resident Population projected using the scenario that was designated as “Series II” in the Australian Bureau of Statistics publication *Population Projections, Australia*, 17 August 2000 edition or the equivalent value most recently determined by the Australian Bureau of Statistics.

#### 9.4 Electricity Sector Benchmark

The Electricity Sector Benchmark will be calculated by multiplying the Total State Population by the State greenhouse gas benchmark per head of population for that Compliance Year specified in section 97B(1) of the Act.

### 10 Greenhouse Shortfall not carried forward

An Elective Participant that ceases to be an Elective Participant cannot carry forward to the next year any Greenhouse Shortfall in the Compliance Year in which it ceases to be an Elective Participant.

### 11 Definitions and Interpretation

11.1 In this Rule:

“**Attributable Emissions**” is the number of tonnes of carbon dioxide equivalent of Greenhouse Gas emissions in that year for which a Benchmark Participant is responsible, calculated in Equation 2.

“**Benchmark Participant**” is defined in section 97BB(1) of the Act.

“**Class**” refers to classes of Benchmark Participant and in particular:

- (a) “**Class 1 Capacity**” means an entity acting in the capacity described in section 97BB(1)(a) of the Act;
- (b) “**Class 2 Capacity**” means an entity acting in the capacity described in section 97BB(1)(b) of the Act;
- (c) “**Class 3 Capacity**” means an entity acting in the capacity described in section 97BB(1)(c) of the Act;
- (d) “**Class 4 Capacity**” means an entity acting in the capacity described in section 97BB(1)(d) of the Act; and
- (e) “**Class 5 Capacity**” means an entity described in section 97BB(1)(e) of the Act.

“**Compliance Year**” means the calendar year with respect to which a Benchmark Participant’s compliance with its benchmark is measured.

“**Connection Point**” means an agreed point of electricity supply to a transmission or distribution network, established between the person that operates that network and a Generating System.

“**DSA Rule**” means *Greenhouse Gas Benchmark Rule (Demand Side Abatement) No. 3 of 2003*

“**Generation Rule**” means *Greenhouse Gas Benchmark Rule (Generation) No. 2 of 2003*

“**Generating System**” means a system comprising one or more of the physical generators of electricity and all the related equipment essential to their functioning as single entities.

“**Embedded Generating System**” means a Generating System that is connected to the distribution network, as it is defined in the National Electricity Code.

“**Greenhouse Gas Benchmark**” is defined in section 97AB of the Act, and is calculated in Equation 3.

“**Greenhouse Shortfall**” is defined in section 97AB of the Act, and is calculated in Equation 1.

“**LUAC**” means an abatement certificate created in accordance with the LUAC Rule.

“**LUAC Rule**” means *Greenhouse Gas Benchmark Rule (Large User Abatement Certificates) No. 4 of 2003*.

“**NEMMCO**” is defined in section 97AB of the Act.

“**Net Sent Out Generation**” the amount of electricity supplied to the transmission or distribution network at the Connection Points for the Generating System in question less the electricity supplied to the Generating System from the transmission or distribution network.

“**NGAC**” (New South Wales Greenhouse Abatement Certificate) is a transferable abatement certificate under section 97F of the Act, which is created in accordance with the Generation Rule, DSA Rule, or Sequestration Rule.

“**NSW Electricity Network**” means the New South Wales electricity transmission and distribution networks, as those terms are defined in the National Electricity Code.

“**NSW Pool Coefficient**” is defined in section 97AB of the Act and determined by the Tribunal in accordance with clause 9.1.

“**REC**” means a renewable energy certificate as defined in s 97AB of the Act.

“**Regulations**” means regulations made pursuant to Part 8A of the Act.

“**Scheme Administrator**” is defined in section 97AB of the Act.

“**Sequestration Rule**” means *Greenhouse Gas Benchmark Rule (Carbon Sequestration) No.5 of 2003*.

“**the Act**” means the *Electricity Supply Act 1995*.

“**Tribunal**” has the meaning given to it under the Act.

11.2 Notes in this Rule do not form part of the Rule.

11.3 For the purpose of this Rule the terms and expressions used in this Rule have the same meaning as in the Act or as defined in Part 8A of the Act, except the terms that are expressly defined in this Rule.

## Schedule A - Tables

Table 1: Fugitive Emissions from Coal

State	Class of mine	kg CH <sub>4</sub> /t mined	kg CH <sub>4</sub> /t post-mine	kg CH <sub>4</sub> /t combined
NSW	Underground Class A	10.40	0.77	11.17
	Underground Class B	0.54	0	0.54
	Open Cut	2.17	0	2.17
	Weighted average	3.67	0	3.67
Qld	Underground Class B	0.54	0	0.54
	Open Cut	0.81	0	0.81
	Weighted average	0.76	0	0.76

Table 2: Fugitive Emissions from Natural Gas

State	kt CO <sub>2</sub> /PJ	kt CH <sub>4</sub> /PJ
All States	2.60	0.089

Table 3: Carbon Dioxide Emission Factors

Fuel Type	Fuel	kt CO <sub>2</sub> /PJ
Coal	Coal used in public electricity generation (ASIC 3611)	92.0
	Coals used in steel industry	93.0
	Black coal used by other industry	90.0
	Brown coal used by industry	88.3
	Coke	119.5
	Coal by-products (gaseous)	37.0
	Coal by-products (coal tar and BTX)	81.0
	Brown coal briquettes	105.0
Petroleum	Liquefied petroleum gas (LPG)	59.4
	Naphtha	66.0
	Lighting kerosene	69.7
	Power kerosene	69.7
	Aviation gasoline	68.0
	Aviation turbine fuel	69.7
	Heating oil	69.7
	Fuel oil	73.6
	Automotive diesel oil (ADO)	69.7
	Industrial diesel fuel (IDF)	69.7
	Refinery fuel	68.1
	Other petroleum products	68.6
	Solvents	66.0
	Lubricants and greases	73.7
Bitumen	80.7	
Gaseous	Natural gas - NSW	50.8
	Natural gas - Victoria	51.0
	Natural gas - SA	50.8
	Natural gas - Queensland	51.1
	Natural gas - ACT	50.8
	Town gas (tempered LPG)	59.0
Biomass	Wood and wood waste (dry)	94.0
	Bagasse	96.8



**Table 4: Carbon Dioxide Combustion Factors**

Fossil Fuel	Carbon Dioxide Combustion Factor
black coal	0.990
brown coal	0.990
natural gas	0.995
coal seam methane	0.995
waste coal mine gas	0.995
fuels derived from petroleum	0.990

**Table 5: Methane and Nitrous Oxide Default Emission Factors**

Sector	Fuel	Equipment	Emission Factors	
			kt CH <sub>4</sub> /PJ	kt N <sub>2</sub> O/PJ
Electricity	Black coal	Tangentially fired	0.0009	0.0008
		Pulverised wall	0.0009	0.0008
	Brown coal	Tangentially fired	0.0009	0.0014
		Natural gas <sup>a</sup>	Boiler	0.0001
	Internal combustion		0.2400	0.0001
	Turbine		0.0080	0.0001
	Fuel oil/residual oil	Boiler	0.0008	0.0006
		Internal combustion	0.0040	0.0006
	Distillate/diesel	Boiler	0.0000	0.0006
		Internal combustion	0.0040	0.0006
Turbine		0.0040	0.0006	
Industrial	Black coal	Boiler	0.0013	0.0008
	Natural gas	Boiler	0.0012	0.0001
	Fuel oil	Boiler	0.0008	0.0006
	Residual oil	Boiler	0.0028	0.0006
	Distillate	Boiler	0.0001	0.0006
	Wood	Boiler	0.0042	0.0041
	Bagasse	Boiler	0.0100	0.0041
Commercial	Black coal	Boiler	0.0013	0.0008
	Natural gas	Boiler	0.0011	0.0001
	Residual oil	Boiler	0.0013	0.0006
	Distillate oil	Boiler	0.0006	0.0006
	Wood	Boiler	0.0034	0.0041
Household	Wood	Open fireplace	2.6860	0.0041
	Wood	Closed heater	0.1480	0.0041

a These factors may also apply to waste coal mine gas, landfill gas and sewage gas.

**Table 6: Default Distribution Loss Factors for use by Retailers**

	<b>Distribution Loss Factor</b>
ACTEWAGL	1.059
Country Energy	1.072
AGLE	1.054
Australian Inland	1.078
CitiPower	1.055
TXU	1.059
Energex	1.057
EnergyAustralia	1.053
Ergon	1.057
Ferrier Hodgson	1.053
Integral	1.055
Origin	1.053
Pulse	1.056
Auspower	1.054
For any other Retailers that are not listed here	1.053

**Table 7: Default Distribution Loss Factors**

	<b>Distribution Loss Factor</b>
Australian Inland (a)	1.087
EnergyAustralia (a)	1.053
Integral (a)	1.055
Country Energy (a)	1.078
NSW (weighted) (b)	1.058
Victoria (b)	1.060
SA (b)	1.068
Queensland (b)	1.058

**Table 8: Default Transmission Loss and Scaling Factors**

<b>State</b>	<b>Transmission Loss Factor</b>	<b>Transmission Scaling Factors</b>
New South Wales	1.026	0.975
Victoria or South Australia	1.026	0.975
Queensland	1.046	0.956

**Table 9: Emissions Intensity Adjustment Factors**

<b>Connection</b>	<b>Emissions Intensity Adjustment Factor</b>
At user site	the Distribution Loss Factor applying at the site  <b>or</b>  the default Distribution Loss Factor for that distribution system from Table 7 in this Schedule
To distribution system	1.0
To transmission system	Transmission Scaling Factor for the State where the Generating System is located from Table 8 in this Schedule

**Schedule B - Transmission Nodes**

<b>TNI</b>	<b>Location</b>	<b>TNI</b>	<b>Location</b>
AQB2	Queanbeyan (GSE)	NMPP	Mt Piper
NALB	Albury	NMP6	Mt Piper
NALC	Alcan	NMDG	Mudgee
NANM	ANM	NMNP	Munmorah
NAR1	Armidale	NMY1	Munyang
NBAL	Balranald	NMYG	Munyang
NBFW	Beaconsfield West	NMBM	Murrumbateman
NBER	Beryl	NMRU	Murrumburrah
NWR1	BHP (Waratah) [EA]	NMRK	Muswellbrook
NBKG	Broken Hill	NNAM	Nambucca Heads
NBKH	Broken Hill	NNB2	Narrabri
NBG1	Bunnerong	NEW	Newcastle
NBG3	Bunnerong	NRG1	Orange
NBU2	Burrinjuck	NRGE	Orange
NCTB	Canterbury	NPMA	Panorama
NCHU	Chullora	NPKS	Parkes
NCH1	Coffs Harbour	NPK6	Parkes
NCLY	Coleambally	NPHT	Peakhurst
NCMA	Cooma	NPMQ	Pt Macquarie
NCW8	Cowra (Advance)	NPT1	Pymont
NCW9	Cowra (GSE)	NPT3	Pymont
NDT2	Dapto (GSE)	NRGV	Regentville
NDT1	Dapto (Integral)	NRZL	Rozelle
NDNT	Darlington Point	NSAD	Snowy Adit
NDN8	Deniliquin (AIE)	NSPT	St Peters
NDN7	Deniliquin (GSE)	NSRD	Stroud
NDOR	Dorrigo	NSE2	Sydney East
NDRM	Drummoyne	NSN1	Sydney North (EA)
NFNY	Finley	NSN2	Sydney North (IE)
NFB2	Forbes	NSYS	Sydney South
NGAD	Gadara	NSW1	Sydney West (EA)
NGLN	Glen Innes	NSW2	Sydney West (IE)
NGRF	Griffith	NTA2	Tamworth
NGN2	Gunnedah	NTR1	Taree (EA)
NHBB	Homebush Bay	NTR2	Taree (Npower)
NLFD	Ilford	NTTF	Tenterfield
NING	Ingleburn	NTMJ	Tomago
NNVL	Inverell	NTMG	Tomago
NKS3	Kempsey	NTGH	Tuggerah
NKS2	Kempsey	NTU2	Tumut
NKL6	Koolkhan	NVP1	Vales Pt.
NKU3	Kurri	NVP3	Vales Pt.
NKU6	Kurri	NVYD	Vineyard
NLCV	Lane Cove	NWG2	Wagga
NLD3	Liddell	NWW8	Wallerawang (Adv)
NLS1	Lismore	NWW9	Wallerawang (IE)
NLP1	Liverpool	NWL8	Wellington (Adv)
NMKV	Marrickville	NWL9	Wellington (NPwr)
NMR2	Marulan (GSE)	NYA3	Yanco
NMR1	Marulan (IE)	NYS1	Yass
NMPK	Mason Park	NYS6	Yass
NMBK	Meadowbank	QMG	Terranora (NSW border)
NMOL	Molong	NKHN	Khancoban
NMRE	Moree	VRCA	Red Cliffs 66 (AIE&W)

The list of applicable Transmission Nodes will vary from time to time. The relevant Transmission Nodes for the purpose of this Rule will be those reported publicly by NEMMCO.

**ELECTRICITY SUPPLY ACT 1995****Notice of Approval of Amendment of Greenhouse Gas Benchmark Rule****Greenhouse Gas Benchmark Rule (Generation) No. 2 of 2003**

I, Frank Ernest Sartor, Minister for Energy and Utilities, pursuant to section 97K(4) and (5) of the Electricity Supply Act 1995, hereby give notice of approval of amendment to Greenhouse Gas Benchmark Rule (Generation) No. 2 of 2003, the amendments of which are described in Schedule 1 of the notice hereto, and the amended Rule is set out in Schedule 2 of the notice hereto.

The amendment of the Rule takes effect from the date of gazettal.

A copy of the amended Greenhouse Gas Benchmark Rule (Generation) No. 2 of 2003 may also be obtained through the Ministry of Energy and Utility's website at, [www.energy.nsw.gov.au](http://www.energy.nsw.gov.au).

Dated at Sydney, this 3rd day of September 2003.

FRANK ERNEST SARTOR, M.P.,  
Minister for Energy and Utilities

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**SCHEDULE 1****[1] Minister's Name and title**

- 1.1 Omit "Kimberly Maxwell Yeadon, MP"
- 1.2 Insert "Frank Ernest Sartor, MP"
- 1.3 Insert " and Utilities" after "Energy"

**[2] Clause 1 Name and Commencement**

- 2.1 Omit "1 January 2003"

- 2.2 Insert “1 October 2003”
- 2.3 Insert “At its commencement, this Rule is to be taken as having amended the Greenhouse Gas Benchmark Rule (Generation) that commenced on 1 January 2003, to the extent that this Rule differs from that Rule.”

**[3] Clause 3 Application of the Rule**

Insert “Without limiting the persons to whom this Rule applies” before “This Rule”

**[4] Clause 5 Eligibility to be an Abatement Certificate Provider in respect of electricity generation**

- 4.1 Insert in the title “Accredited” after “to be an”
- 4.2 Omit paragraph (d)
- 4.3 Insert “Accredited” before “Abatement Certificate Provider”

**[5] Clause 6.1**

Insert “Accredited” before “Abatement Certificate Provider”

**[6] Clause 6.2**

Insert new clause “**6.2 The Generator**” as follows:

“**The Generator** is:

- a) the person who is registered with NEMMCO as the Generator as defined under the National Electricity Code with respect to a Generating System, or
- b) if no person is registered with NEMMCO as the Generator as defined under the National Electricity Code with respect to a Generating System, the owner of the Generating System; or
- c) a person nominated to be the Generator for the purpose of creating NGACs under this Rule by written agreement of
  - (i) the person in (a) or (b); or
  - (ii) a person previously nominated to be the Generator under this Rule”

**[7] Clause 6.3**

Insert new clause **6.3 The Deemed Retailer** as follows:

**“The Deemed Retailer** is:

- a) the electricity retailer to which the electrical output of a Category A Generating System is deemed pursuant to the Power Purchase Agreement to which the Deemed Retailer is a party; or
- b) a person nominated to be the Deemed Retailer by written agreement of
  - (i) the person in (a); or
  - (ii) a person previously nominated to be the Deemed Retailer under this Rule”

**[8] Clause 7.1.1**

8.1 Omit paragraph (a) and insert instead “satisfied the criteria for Category A in the Emissions Workbook: and”

8.2 Insert new paragraph as follows:

“(b) were claimed as either Category A or Category F under the arrangements relating to greenhouse strategies in force under the Act before the commencement of Part 8A of that Act (and referred to in the Emissions Workbook)”

8.3 Insert “and include those Generating Systems listed in Schedule C” after “are classified as Category A”

**[9] Clause 7.1.2**

Insert “that gave rise to the previous eligibility for classification as Category A Generation under the Emissions Workbook” after “Agreement”

**[10] Clause 8.1**

10.1 Insert in paragraph (a)(i) “Original” after “to which the”

10.2 Insert in paragraph (b)(i) “Original” after “to which the”

10.3 Insert in paragraph (b)(ii) “Original” after “to which the” where ever it occurs in this clause

10.4 Insert in paragraph (b)(iii) "Original" after "to which the" where ever it occurs in this clause

10.5 Insert in paragraph (b)(iv) "Original" after "to which the"

**[11] Clause 8.3**

11.1 Insert in paragraph (a) after "typically and fully":  
"The Scheme Administrator may extrapolate from available data or model typical output patterns based on the characteristics and location of the Generating System and its fuel type in order to set a NSW Production Baseline that, in the view of the Scheme Administrator, represents the typical annual output of that Generating System"

11.2 Insert in paragraph (b)(ii) after "typically and fully":  
"The Scheme Administrator may extrapolate from available data or model typical output patterns based on the characteristics and location of the Generating System and its fuel type in order to set a NSW Production Baseline that, in the view of the Scheme Administrator, represents the typical annual output of that Generating System"

11.3 Insert new clause "**8.5 Allocation of group REC Baselines**" as follows:

"8.5.1 For a Category A, B, C or D Generating System which is part of a group of Generating Systems to which ORER has assigned a collective REC Baseline, but for which ORER has not assigned an individual REC Baseline, the Scheme Administrator must either;

- (i) assign a Baseline to each of the Generating Systems in the group of Generating Systems; or
- (ii) treat the entire group as if it were a single Generating System.

8.5.2 If the Scheme Administrator assigns a Baseline to each of the Generating Systems in the group of Generating Systems, that Baseline has the same effect in this Rule as if it had been a REC Baseline assigned directly to that Generating System by ORER, for all purposes including the calculation of the NSW Production Baseline and the assignment to each Generating System of the number of RECs created by the group"

**[12] Clause 9.1**

12.1 Omit in paragraph (b) "operates" after "the Generator that" and insert instead "is accredited in respect of"



12.2 Omit Equation 1 and insert new Equation 1 as follows:

**“Equation 1**

Number of NGACs that may be created = Eligible Generation x (NSW Pool Coefficient x Emissions Intensity Adjustment Factor – Emissions Intensity)

Where:

- *Number of NGACs* that may be created is in t CO<sub>2</sub>-e
- *Eligible Generation* (in MWh) is assigned in the clause referring to this Equation.
- *NSW Pool Coefficient* (in t CO<sub>2</sub>-e/MWh) is the NSW Pool Coefficient determined by the Tribunal using clause 9.1 of the Compliance Rule for the year in which the Eligible Generation occurred
- *Emissions Intensity* (in t/MWh) is calculated using Equation 4
- *Emissions Intensity Adjustment Factor* is the value in Table 9 of Schedule A to this Rule appropriate to whether the Generating System is connected at a user site, to the distribution system, or to the transmission system”

12.3 **Equation 2**

Insert in the definition of *RECs Created*, “is the number of RECs created” after “(in MWh)”

12.4 **Equation 4**

Omit “*Sent Out*” after “*Net Electricity*” and insert instead “*Generated*”

12.5 Omit in the definitions of Equation 4 at the third dot point

“*Net Electricity Sent Out* (in MWh) is, in respect of the Generating System, Net Sent Out Generation in a year” and insert instead:

“*Net Electricity Generated* (in MWh) is, in respect of the Generating System, Gross Generation less Auxiliary Electricity Use, both measured over the same time period as the Total Greenhouse Gas Emissions”

**[13] Clause 9.2.1**

13.1 Omit in paragraph (a) “operates” after “Generator that” and insert instead “is accredited in respect of”

13.2 Insert in paragraph (a) “after 1 January 2002” after “takes measures”

13.3 Omit in paragraph (b) “operates” after “Generator that” and insert instead “is accredited in respect of”

13.4 Insert in paragraph (b) “after 1 January 2002” after “takes measures”

- 13.5 Omit in paragraph (b) “or its” after “Generating System” “but not the”
- 13.6 Insert in paragraph (b) “;or” after “Method 2”
- 13.7 Insert new paragraph (c)
- ”if the Generator that is accredited in respect of the Category B Generating System takes measures after 1 January 2002 that, in the view of the Scheme Administrator, significantly change the fuel mix of the Generating System, the Generator may create the number of NGACs calculated using Method 3, provided that all fuels used before and after the change in fuel mix are such that the fugitive and combustion emissions of those fuels would be included in the National Greenhouse Gas Inventory”
- 13.8 Omit in the Note to clause 9.2.1 “operates” after “A Generator that” and insert instead “is accredited in respect of”
- 13.9 Insert in the Note to clause 9.2 1 after “natural gas”:
- “A Generator that changes the fuel mix to include coal mine methane collected from a disused coal mine cannot claim a greenhouse benefit for fugitive methane emissions avoided until such time as fugitive methane emissions from disused coal mines are included in the National Greenhouse Gas Inventory under the NGGI methodology
- NGACs may be created by Methods 1, 2 or 3 from the time of the activity which gave rise to their creation takes effect up to the time it ceases to have effect, but the number of NGACs created must be separately calculated in each year, taking into account the actual performance of the Generating System in that year, the effects of degradation with age and any other factors changing over time ”
- 13.10 Insert in Method 1 “-GES Gain” after “Method 1”
- 13.11 Insert at the first dot point in Method 1, Step 1 “value” after “Actual GI”
- 13.12 Insert at the first dot point in Method 1, Step 1 “applicable to the Generating System in that year” after “Actual GI value (in kg CO<sub>2</sub>-e/MWh sent out)”
- 13.13 Omit at the second dot point in Method 1, Step 1 “Average” before “Reference GI”
- 13.14 Insert at the second dot point in Method 1, Step 1 “value” after “Reference GI”
- 13.15 Omit third dot point in Method 1, Step 1

- 13.16 Insert new third dot point in Method 1, Step 1 as follows:
- “*Lower GI value* ( $GI_{LLower}$ ) (in kg CO<sub>2</sub>-e/MWh) applying at the output factor achieved by the Generating System in that year and taking into account performance degradation with age and the 0.015 tolerance band.”
- 13.17 Omit fourth dot point in Method 1, Step 1
- 13.18 Omit fifth dot point in Method 1, Step 1
- 13.19 Omit in the note to Method 1, Step 2, “EXAMPLE” before “If in the given year” and insert instead “Note: For Example,”
- 13.20 Insert in the note to Method 1, Step 2 “the plant operates at an average 85% output factor,” after “in a given year”
- 13.21 Insert in the note to Method 1, Step 2 “at 85% output factor” after “lower GI value”
- 13.22 Insert in the note to Method 1 of, Step 2 “then” after “722 CO<sub>2</sub>-e/MWh,”
- 13.23 Omit in the note to Method 1, Step 3, “EXAMPLE” before “If, in the above example,” and insert instead “Note: For Example,”
- 13.24 Insert in the note to Method 1, Step 3, “net” after “power station”
- 13.25 Insert in the note to Method 1, Step 3, “generation” after “sent out”
- 13.26 Omit Method 2 and insert new Method 2 as follows:

## “Method 2 – Redesign Gain

### Step (1)

From the Commonwealth Generator Efficiency Standards Methodology set out in *Program Guidelines: Generator Efficiency Standards*, Australian Greenhouse Office, July 2000 and *Technical Guidelines; Generator Efficiency Standards*, Version 1.2, Australian Greenhouse Office, January 2001, and applying the definitions contained therein, calculate:

- *Actual GI value* (in kg CO<sub>2</sub>-e/MWh sent out) applicable to the Generating System in that year.
- *Reference GI value* ( $GI_R$ ) (in kg CO<sub>2</sub>-e/MWh) applying at the output factor achieved by the Generating System in that year.

- *Lower GI value* ( $G_{L,Lower}$ ) (in kg CO<sub>2</sub>-e/MWh) applying at the output factor achieved by the Generating System in that year and taking into account performance degradation with age and the 0.015 tolerance band.

#### Step (2)

Conduct a heat rate test at greater than 70% electricity output prior to making the changes in the current design, following the Commonwealth Generator Efficiency Standards Methodology set out in *Program Guidelines: Generator Efficiency Standards, Australian Greenhouse Office, July 2000 and Technical Guidelines: Generator Efficiency Standards, Version 1.2, Australian Greenhouse Office, January 2001*, or another method approved by the Scheme Administrator.

#### Step (3)

After completing the change in design of the Generating System, conduct a heat rate test, or another method approved by the Scheme Administrator, at the same level of electricity output used for Step (2), and determine the *Percentage Heat Rate Change* attributable to the design change.

#### Step (4)

Adjust the existing Reference GI ( $GI_R$ ) and Lower GI ( $GI_{L,Lower}$ ) curves, over the normal plant operating range, in a downwards direction in direct proportion to the *Percentage Heat Rate Change* determined in Step (3). The two new curves are designated Reference GI ( $GI_{R,Redesign}$ ) and Lower GI ( $GI_{L,Lower,Redesign}$ ).

#### Step (5)

For the output factor achieved during a year, the *Redesign Gain* in emissions intensity is the difference between the  $GI_{L,Lower,Original}$  on the original curve (age adjusted) and the  $GI_{L,Lower,Redesign}$  on the curve created in Step (4) (age adjusted). Hence, the *Redesign Gain* is:

$$GI_{L,Lower,Original} - GI_{L,Lower,Redesign}$$

There can only be a *Redesign Gain* if  $GI_{L,Lower,Redesign} < GI_{L,Lower,Original}$

Step (6) The number of NGACs that may be created is:

$$\{Redesign\ Gain\ (kg\ CO_2\text{-}e/MWh) / 1000\} \times Net\ Sent\ Out\ Generation$$

#### Step (7)

If Method 1 is used subsequently to calculate *GES Gain in emissions intensity*, then the redesign *Lower GI* value ( $GI_{L,Lower,Redesign}$ ) will be substituted for the original *Lower GI* value ( $GI_{L,Lower,Original}$ ), so as to avoid double-counting of *GES Gain in emissions intensity* after the redesign. Hence, the *GES Gain in emissions intensity* at a specified generating plant output factor is:

$$GI_{L,Lower,Redesign} - \text{Actual GI value}$$

Note: For example, a power station has upgraded its Low Pressure (LP) turbines to high efficiency blading. Before the unit was taken out of service for the upgrade, a test was carried out at 90% output factor which resulted in an actual GI of 1020 kg CO<sub>2</sub>-e/MWh sent out. A second test was done when the unit was returned to service, again at 90% output factor, resulting in an actual GI of 1000 kg CO<sub>2</sub>-e/MWh sent out. The before and after tests showed that the upgrade resulted in a GI improvement of 20 kg CO<sub>2</sub>-e/MWh sent out at 90% output factor.

From the before and after redesign test results, the Percentage Heat Rate Change is:

$$(1020 - 1000) / 1020 = 2.0\% \text{ (round to one decimal place)}$$

The Percentage Heat Rate Change could also be determined by conducting a Valve Full Open Test using exactly equivalent steam conditions for the before and after redesign tests. The difference in generator electrical output between tests will yield the Percentage Heat Rate Change.

Using the results of the before and after upgrade tests, two new GI curves ( $GI_{R,Redesign}$  and  $GI_{L,LowerRedesign}$ ) are developed over the operating range of the power station, using the shape of the original GES GI reference curve ( $GI_R$ ) which is itself derived from original plant design or test data.

The before and after upgrade GI curves are used to calculate the GI improvement due to the turbine upgrade at different output factors. This will set the GI improvement attributable to the turbine upgrade, irrespective of other factors relating to the Commonwealth GES methodology.

If in the year following the upgrade, the plant generates 900,000 MWh at an output factor of 70%. The original  $GI_{L,LowerOriginal}$  value (before redesign) was 1077 kg CO<sub>2</sub>-e/MWh sent out and the  $GI_{L,LowerRedesign}$  value (after redesign) is  $1077 \times (1 - 0.020) = 1055$  kg CO<sub>2</sub>-e/MWh sent out. From this data, the Redesign Gain is:

$$1077 - 1055 = 22 \text{ kg CO}_2\text{-e/MWh sent out.}$$

The number of NGACs that may be created due to the turbine upgrade is:

$$22 / 1000 \times 900,000 = 19,800 \text{ tonnes CO}_2\text{-e}$$

During the same year, refurbishment work has been carried out on the boiler airheaters as part of the GES commitment. The power station generates 900,000 MWh at an output factor of 70%, and the Actual GI is 1050 kg CO<sub>2</sub>-e/MWh.. This is lower than the  $GI_{L,Lower,Redesign}$  value of 1055 kg CO<sub>2</sub>-e/MWh. Hence the GES Gain is:

$$1055 - 1050 = 5 \text{ kg CO}_2\text{-e/MWh sent out}$$

The number of NGACs that may be created due to the GES Gain is:

$$5 / 1000 \times 900,000 = 4,500 \text{ tonnes CO}_2\text{-e}$$

This is in addition to the number of NGACs that may be created due to the previous design change, the effects of which have not been reversed.

For Redesign Gains, the heat rate test Step 3 must be repeated at intervals of no more than 5 years unless otherwise required by the Scheme Administrator, and the latest test results must be used to calculate the Percentage Heat Rate Change that used in subsequent calculations.”

13.27 Insert new Method 3 as follows”:

### “Method 3 – Fuel Switch Gain

#### Step (1)

From the Commonwealth Generator Efficiency Standards Methodology set out in *Program Guidelines: Generator Efficiency Standards*, Australian Greenhouse Office, July 2000 and *Technical Guidelines: Generator Efficiency Standards*, Version 1.2, Australian Greenhouse Office, January 2001, and applying the definitions contained therein, calculate:

- the emission factors for carbon dioxide ( $F_{CO_2}$ ), methane ( $F_{CH_4}$ ) and nitrous oxide ( $F_{N_2O}$ ) for each fuel used in the Generating System.
- the *Reference Boiler Efficiency* ( $\eta_B$ ), *Turbine Efficiency* ( $\eta_T$ ), *Auxiliaries Percentage* and *Sent Out Thermal Efficiency*

( $\eta_{SO}$ ) for each fuel used in the Generating System applicable to the output factor in that year.

- the *Gross Calorific Value* ( $Q_{gr,p,as}$ ) for each fuel used in the Generating System.
- the weighted average *Equivalent Carbon Dioxide Emission Factor* ( $F_{CO_2-e,av}$ ), *Reference Sent Out Thermal Efficiency* ( $\eta_{SO,av}$ ) and *Fuel Gross Calorific Value* ( $Q_{g,p,as,av}$ ), weighted according to the tonnage of each fuel consumed in the Generating System
- *Reference GI* ( $GI_{R,Fuel\ Switch}$ ) (in kg CO<sub>2</sub>-e/MWh) applying at the output factor achieved by the Generating System in that year.
- *Lower GI value* ( $GI_{L,Lower,Fuel\ Switch}$ ) (in kg CO<sub>2</sub>-e/MWh) applying at the output factor achieved by the Generating System in that year and taking into account performance degradation with age and the 0.015 tolerance band.

### Step (2)

For the original mix of fuels applying before the change in fuel mix, calculate:

- *Reference GI* ( $GI_{R,Original}$ ) (in kg CO<sub>2</sub>-e/MWh) applying at the output factor achieved by the Generating System in that year.
- *Lower GI value* ( $GI_{L,Lower,Original}$ ) (in kg CO<sub>2</sub>-e/MWh) taking into account performance degradation with age and applying at the output factor achieved by the Generating System in that year.

### Step (3)

For the output factor achieved during a year, the *Fuel Switch Gain* in emissions intensity is:

$$GI_{L,Lower,Original} - GI_{L,Lower,Fuel\ Switch}$$

There can only be a *Fuel Switch Gain* if the  $GI_{L,Lower,Fuel\ Switch} < GI_{L,Lower,Original}$

### Step (4)

The number of NGACs that may be created is:

$$\{\text{Fuel Switch Gain (kg CO}_2\text{-e/MWh)} / 1000\} \times \text{Net Sent Out Generation}$$

Step (5)

If the fuel switch involves the introduction of waste coal mine gas from a working coal mine, that would otherwise be vented to atmosphere, then the coal mine gas attracts an additional abatement benefit. The number of additional NGACs that may be created is:

$$\text{Energy content of waste coal mine gas (PJ) x 18 (kt CH}_4\text{/PJ)} \\ \text{default CH}_4\text{ conversion factor) x 21 x 1000}$$

Step (6)

If Method 1 is used subsequently to calculate GES Gain in emissions intensity, then the fuel switch Lower GI value ( $GI_{L,Lower,Fuel\ Switch}$ ) will be substituted for the original Lower GI value ( $GI_{L,Lower,Original}$ ), so as to avoid double counting of *GES Gain in emissions intensity* after the fuel switch. The *GES Gain in emissions intensity* at a specified plant output factor is:

$$GI_{L,Lower,Fuel\ Switch} - \text{Actual GI value}$$

## Note:

For example, a coal fired power station installs supplementary gas burners on its boilers and, in the following year, the plant generates 1,000,000 MWh at an output factor of 60% with 5% of the total fuel (by weight) being supplied from natural gas. The Actual GI is 908 kg CO<sub>2</sub>-e/MWh..

The emission factors for carbon dioxide, methane and nitrous oxide for coal and natural gas are calculated yielding a  $F_{CO_2-e}$  of 1.852 and 2.631 kg CO<sub>2</sub>-e/kgfuel for coal and natural gas respectively and hence a weighted average  $F_{CO_2-e,av}$  of 1.891 kg CO<sub>2</sub>-e/kgfuel. Since coal and natural gas impact boiler efficiency and auxiliary load differently, the Reference Sent Out Thermal Efficiency ( $\eta_{SO}$ ) is calculated for each fuel at 60% output factor, yielding 32.03% and 31.64% respectively and a weighted average  $\eta_{SO,av}$  of 32.01%. The Gross Calorific Value for coal and natural gas is 23.0 and 45.0 MJ/kg respectively, yielding a weighted average  $Q_{gr,p,as,av}$  of 24.1 MJ/kg. For the new fuel mix, the Reference GI ( $GI_{R,Fuel\ Switch}$ ) is calculated to be 882 kg CO<sub>2</sub>-e/MWh and the Lower GI value ( $GI_{L,Lower,Fuel\ Switch}$ ) is 904 kg CO<sub>2</sub>-e/MWh. For the original coal only, the Reference GI and Lower GI value are calculated yielding a  $GI_{R,Original}$  and  $GI_{L,Lower,Original}$  of 905 and 927 kg CO<sub>2</sub>-e/MWh respectively.

From this data, the Fuel Switch Gain is:

$$927 - 904 = 23 \text{ kg CO}_2\text{-e/MWh sent out}$$

The number of NGACs that may be created due to the fuel switch is:



$$23 / 1000 \times 1,000,000 = 23,000 \text{ tonnes CO}_2\text{-e}$$

Under the GES commitment, work is also carried out to improve the performance of the soot-blowing system. The plant is 12 years old. The work on the sootblowing system also improves the plant's efficiency and the Actual GI is less than the Lower GI Value ( $GI_{L,Lower,Original} = 927 \text{ kgCO}_2\text{-e/MWh}$ ). Under Method 1, it may be possible to create NGACs from the efficiency improvement. Under Method 3, however, the Lower GI value is adjusted down to the  $GI_{L,Lower,Fuel\ Switch}$  value so as to avoid double counting. The Actual GI of  $908 \text{ kg CO}_2\text{-e/MWh}$  is not less than the  $GI_{L,Lower, Fuel\ Switch}$  value of  $904 \text{ kg CO}_2\text{-e/MWh}$ , so the GES Gain in emissions is zero and no NGACs may be created due to GES Gain.

If, in the above example, the gas was not natural gas but waste coal mine gas sourced from a working coal mine, that would otherwise be vented to atmosphere, the additional NGACs that could be created are:

$$1.078 \text{ (Energy content of waste coal mine gas in PJ)} \times 18 \text{ (kt CH}_4\text{/PJ default CH}_4\text{ conversion factor)} \times 21 \times 1000 = 407,000."$$

**[14] Clause 9.2.2**

- 14.1 Omit "operates" after "the Generator that" and insert instead "is accredited in respect of"
- 14.2 Insert, "calculated using" after "*Eligible Generation* is"

**[15] Clause 9.2.3**

- 15.1 Omit "operates" after "the Generator that"
- 15.2 Insert "is accredited in respect of" after "the Generator that"
- 15.3 Omit **Equation 5** and insert new **Equation 5** as follows:

**"Equation 5**

Number of NGACs that may be created = Net Electricity Sent Out x NSW Pool Coefficient x Energy Content of Renewable Energy Source x  $\eta_{SO,RE}$  / (Energy Content of Renewable Energy Source x  $\eta_{SO,RE}$  + Energy Content of Fossil Fuel x  $\eta_{SO,FF}$ )

Where:

- *Number of NGACs that may be created* is in t CO<sub>2</sub>-e

- *Net Electricity Sent Out* (in MWh) is, in respect of the Generating System, Net Sent Out Generation
- *NSW Pool Coefficient* (in t CO<sub>2</sub>-e/MWh) is the NSW Pool Coefficient determined by the Tribunal using clause 9.1 of the Compliance Rule for the year in which the Net Electricity Sent Out was generated
- *Energy Content of Renewable Energy Source* is in PJ
- $\eta_{SO,RE}$  is the thermal efficiency of the plant attributed to the Renewable Energy Source only
- *Energy Content of Fossil Fuel* is in PJ
- $\eta_{SO,FF}$  is the thermal efficiency of the plant attributed to the Fossil Fuel only”

**[16] Clause 9.3**

Omit in the title “or D” after “Category C”

**[17] Clause 9.3.1**

- 17.1 Omit “operates” after “the Generator that” and insert instead “is accredited in respect of”
- 17.2 Omit “or D” after “Category C” where ever it occurs in this clause
- 17.3 Omit paragraph (b) and insert new paragraphs (b), (c), (d) and (e) as follows:
- “(b) if the Generator that is accredited with respect to the Category C Generating System is a participant in the Commonwealth Generator Efficiency Standards, and measures are taken after 1 January 2002 to operate the Generating System which are, in the view of the Scheme Administrator, to the best achievable efficiency without changing the design of the Generating System or its fuel mix, the Generator may create the number of NGACs calculated using Method 1; or
  - (c) if the Generator that is accredited in respect of the Category C Generating System, takes measures after 1 January 2002 that, in the view of the Scheme Administrator, significantly change the design of the Generating System but not its fuel mix, the Generator may create the number of NGACs calculated using Method 2, or
  - (d) if the Generator that is accredited in respect of the Category C Generating System, takes measures after 1 January 2002 that, in the view of the Scheme Administrator, significantly change the fuel mix of the Generating System, the Generator may create the number of NGACs calculated using Method 3, provided that all fuels used before and after the change in fuel mix are such that the fugitive and combustion emissions of

those fuels would be included in the National Greenhouse Gas Inventory; or

- (e) if the Generator that is accredited in respect of the Category C Generating System is otherwise entitled to create NGACs subject to (b), (c) or (d) in relation to any output below its NSW Production Baseline, plus it may create NGACs using Equation 1 for output above its NSW Production Baseline”

**[18] Clause 9.3.2**

- 18.1 Omit “operates” after “the Generator that” and insert instead “is accredited in respect of”
- 18.2 Omit “or D” after “Category C” wherever occurring
- 18.3 Insert new Note to clause 9.3.2 as follows:

“Note: A Generator that is accredited in respect of a Category C Generating System may create NGACs by performing better than the lower bound of the Generator Efficiency Standards Greenhouse Intensity value for that type of Generating System or by undertaking a specific abatement project that significantly changes the design or fuel mix. Examples of significantly changing the design or fuel mix would include a turbine upgrade to high efficiency blades or fuel switching to a combination of coal and natural gas.

A generator that changes the fuel mix to include coal mine methane collected from a disused coal mine cannot claim a greenhouse benefit for fugitive methane emissions avoided, so long as fugitive methane emissions from disused coal mines are excluded from the National Greenhouse Gas Inventory under the NGGI Methodology.

NGACs may be created by Methods 1, 2 or 3 from the time of the activity which gave rise to their creation takes effect up to the time it ceases to have effect, but the number of NGACs created must be separately calculated in each year, taking into account the actual performance of the Generating System in that year, the effects of degradation with age and any other factors changing over time.”

**[19] Insert new clause 9.4 as follows:**

**“9.4 Creation of NGACs from electricity generated by Category D Generating Systems**

- 9.4.1 For electricity generated by a Category D Generating System using Fossil Fuel, the Generator that is accredited in respect of the Category D Generating System may in each year select to either:

- (a) create the number of NGACs calculated using Equation 1 where *Eligible Generation* is calculated using Equation 2; or
- (b) if the Generator that is accredited in respect of the Category D Generating System is a participant in the Commonwealth Generator Efficiency Standards and measures are taken to operate the Generating System which are, in the view of the Scheme Administrator, to the best achievable efficiency without changing the design of the Generating System or its fuel mix, the Generator may create the number of NGACs calculated using Method 1; or
- (c) if the Generator that is accredited in respect of the Category D Generating System takes measures that, in the view of the Scheme Administrator, significantly change the design of the Generating System but not the fuel mix, the Generator may create the number of NGACs calculated using Method 2; or
- (d) if the Generator that is accredited in respect of the Category D Generating System takes measures that, in the view of the Scheme Administrator, significantly change the fuel mix of the Generating System, the Generator may create the number of NGACs calculated using Method 3, provided that all fuels used before and after the change in fuel mix are such that the fugitive and combustion emissions of those fuels would be included in the National Greenhouse Gas Inventory.”

9.4.2 For electricity generated by a Category D Generating System using Renewable Energy Sources, the Generator that is accredited in respect of the Category D Generating System may create the number of NGACs calculated using Equation 1 where *Eligible Generation* is calculated using Equation 2.”

**[20] Clause 9.4 Creation of additional NGACs from electricity generated using landfill gas, sewage gas and other methane gas from Renewable Energy Sources”**

- 20.1 Clause 9.4 is now renumbered as Clause 9.5:
- 20.2 Omit in title, “and other methane gas from Renewable Energy Sources” after “and sewage gas” and insert instead “or cogeneration from Renewable Energy Sources”
- 20.3 Omit “using landfill gas, sewage gas and other methane gas from Renewable Energy Sources, the Generator that operates the Generating System may create the number of NGACs calculated using

Equation 6 in addition to any NGACs that it is entitled to create according to clauses 9.1 to 9.3.” after “In respect of electricity generated by a Generating System that is entitled to create RECs”

20.4 Insert the following paragraphs:

“

- a) using landfill gas, or sewage gas; or
- b) is a Cogeneration Plant for which the appropriate fuel identified in Step (2) of Method 4 is a Fossil Fuel”

after “In respect of electricity generated by a Generating System that is entitled to create RECs”

20.5 Omit “operates” after “the Generator that” and insert “is accredited in respect of”

20.6 Omit “9.3” after “clauses 9.1 to” and insert instead “9.4”

20.7 Omit **Equation 6** and insert as follows:

#### **Equation 6**

“Number of additional NGACs that may be created = Number of RECs created x (NSW Pool Coefficient x Emissions Intensity Adjustment Factor – NSW Pool Coefficient - Emissions Intensity”

Where:

- Number of additional NGACs that may be created is in t CO<sub>2</sub>-e abated
- Number of RECs created ( in MWh) is the number registered with ORER, that were created in respect of electricity generated over the same time period as NGACs created according to clauses 9.1 to 9.4
- Emissions Intensity (in t/MWh) is the Emissions Intensity (in t/MWh) calculated using Equation 4
- Emissions Intensity Adjustment Factor is the value in Table 9 of Schedule A to this Rule appropriate to whether the Generating System is connected at a user site, to the distribution system, or to the transmission system”

#### **[21] Clause 9.5 Creation of NGACs from electricity generated using Eligible Biomass Fuels**

21.1 Renumber clause 9.5 as clause 9.6, omit title and insert instead “**Creation of NGACs from electricity generated using Native Forest Bio-Material**”

- 21.2 Omit “using *Ineligible Biomass Fuel*” after “in that year” and insert instead “in violation of the provisions of the *Protection of the Environment Operations (General) Amendment (Burning of Bio-Material) Regulation 2003*”
- 21.3 Omit clause 9.5.2
- 21.4 Insert Note to clause 9.6 as follows:

“Note: Clause 9.6 refers to limits and conditions relating to the implementation of the NSW Government policy on the use of forest biomass for electricity generation.”

**[22]** Clause 9.6 is renumbered **Clause 9.7 Adjustment of number of NGACs that may be created for GGAP funded projects**

**[23]** **Clause 10.1**

- 23.1 Omit in paragraph (a)(vii) “waste coal mine gas” and insert instead “Waste Coal Mine Gas” where ever it appears in this paragraph
- 23.2 Omit in paragraph (a)(viii) “waste coal mine gas” with “Waste Coal Mine Gas” where ever it appears in this paragraph
- 23.3 Insert in paragraph (b)(iii) “or” after “landfill gas”
- 23.4 Omit in paragraph (b)(iii) “or other methane gas” after “or sewage gas”
- 23.5 Insert at the third dot point in the definition of *CO<sub>2</sub> emission factor* in **Equation 7** “Accredited” before “Abatement Certificate Provider”
- 23.6 Insert at the fourth dot point in the definition of *Combustion factor* in **Equation 7** “Accredited” before “Abatement Certificate Provider”
- 23.7 Insert at the third dot point in the definition of *CH<sub>4</sub> emission factor* in **Equation 8** “Accredited” before “Abatement Certificate Provider”
- 23.8 Insert at the third dot point in the definition of *N<sub>2</sub>O emission factor* in **Equation 9** “Accredited” before “Abatement Certificate Provider”
- 23.9 Insert at the third dot point in the definition of *CO<sub>2</sub> emission factor* in **Equation 10** “Accredited” before “Abatement Certificate Provider”
- 23.10 Insert at the third dot point in the definition of *CH<sub>4</sub> emission factor* in **Equation 11** “Accredited” before “Abatement Certificate Provider”
- 23.11 Insert at the third dot point in the definition of *CH<sub>4</sub> emission factor* in **Equation 12** “or” after “Schedule A to this Rule”

- 23.12 Insert at the third dot point in the definition of *CH<sub>4</sub> emission factor* in **Equation 12** “Accredited” before “Abatement Certificate Provider”
- 23.13 Insert at the third dot point in the definition of *CH<sub>4</sub> emission factor* in **Equation 13** “Accredited” before “Abatement Certificate Provider”
- 23.14 Insert at the second dot point in the definition of *Energy content of Renewable Energy Source* in **Equation 14** “If the actual energy content of the Renewable Energy Source is not known, it can be estimated in a manner accepted by the Scheme Administrator” after “is in PJ”
- 23.15 Insert at the third dot point in the definition of *CH<sub>4</sub> emission factor* in **Equation 14** “Accredited” before “Abatement Certificate Provider”
- 23.16 Insert at the second dot point in the definition of *Energy content of Renewable Energy Source* in **Equation 15** “If the actual energy content of the Renewable Energy Source is not known, it can be estimated in a manner accepted by the Scheme Administrator” after “is in PJ”
- 23.17 Insert at the third dot point in the definition of *N<sub>2</sub>O emission factor* in **Equation 15** “Accredited” before “Abatement Certificate Provider”
- 23.18 Insert in **Equation 16**, “directly” after “Fugitive CH<sub>4</sub> emissions”
- 23.19 Insert at the first dot point in the definition of *Fugitive CH<sub>4</sub> emissions* in **Equation 16**, “directly” after “*Fugitive CH<sub>4</sub> emissions*”
- 23.20 Insert at the second dot point in the definition of *Energy content of waste methane used as Renewable Energy Source* in **Equation 16**, “Gross Generation less Auxiliary Electricity Use represents “ after ”on the assumption that”
- 23.21 Insert at the third dot point in the definition of *CH<sub>4</sub> emission factor* in **Equation 16** “Accredited” before “Abatement Certificate Provider”
- [24] Clause 10.2**
- 24.1 Omit in clause 10.2 “Method 3” after “calculated using”
- 24.2 Insert in clause 10.2 “Method 4” after “calculated using”
- 24.3 Re-number old “Method 3” as “Method 4”
- 24.4 Omit at the second dot point in Step 1 of Method 4, “electricity generated” after “less the energy content of” insert instead “Gross Generation”
- 24.5 Re-number at fourth dot point in Step 2 of Method 4 from paragraph (i) to paragraph (iii)

- 24.6 Re-number at fourth dot point in Step 2 of Method 4 from paragraph (ii) to paragraph (iv)
- 24.7 Omit in re-numbered paragraph (iv) in Step 2 of Method 4, “was” after “but natural gas” and insert instead “is”
- 24.8 Omit at the fourth dot point in re-numbered paragraph (iv) in Step 2 of Method 4, “at the time that construction of the Cogeneration Plant commenced” after “at the site”
- 24.9 Re-number paragraph at fourth dot point in Step 2 of Method 4 from paragraph (iii) to paragraph (v)
- 24.10 Insert in Step 3 of Method 4,  
“a) if the notional fuel is a Fossil Fuel” after “notional fuel avoided,”
- 24.11 Re-number in Step 3 of Method 4 from paragraph (iv) to paragraph (vi)
- 24.12 Omit in Step 3 of Method 4 old paragraph (v)
- 24.13 Insert in Step 3 of Method 4 new paragraph (vii) as follows  
” if the fuel for the notional greenhouse gas emissions avoided is coal, 0.70”
- 24.14 Omit in Step 3 of Method 4 old paragraph (vi) and insert instead “or otherwise, 0.75; or”
- 24.15 Insert in Step 3 of Method 4, after paragraph (viii) as follows:  
”b) if the fuel for the notional greenhouse gas emissions avoided is a Renewable Energy Source, zero”
- 24.16 Insert in the note to clause 10.3.1, “Landfill, sewage and Waste Coal Mine Gas are dealt with under section 10.1.” after “Renewable Energy”
- 24.17 Omit in clause 10.3.5 “waste coal mine gas” and insert instead “Waste Coal Mine Gas”
- [25] Clause 11.1**
- 25.1 Omit ““**Abator**” is a person entitled to create NGACs, nominated under clause 11.3.” and insert instead ““**Auxiliary Electricity Use**” means electricity consumed by the Generating System”
- 25.2 Insert in the definition of “**Commercial Operation**”, “excluding for electricity generated during periods of testing to meet licence conditions prior to approval to operate” after “by a Generating System”



- 25.3 Omit “**Deemed Retailer**” means an accredited Abatement Certificate Provided that is an electricity retailer to which the electrical output of a Category A Generating System is deemed pursuant to the Power Purchase Agreement to which the Deemed Retailer is a party.”
- 25.4 Omit definition of “**Forest Residues**”
- 25.5 Omit in the definition of “**Fossil Fuel**”, “waste coal mine gas” and insert instead “Waste Coal Mine Gas”
- 25.6 Omit definition of “**Generator**”
- 25.7 Insert “**Gross Generation**” means total electricity generated by a Generating System.”
- 25.8 Insert “**Native Forest Bio-Material**” has the same meaning as in the *Protection of the Environment Operations (General) Amendment (Burning of Bio-Material) Regulation 2003.*”
- 25.9 Insert “**Net Generation**” means Gross Generation less Auxiliary Electricity Use for the Generating System.”
- 25.10 Insert “**Original Deemed Retailer**” has the same meaning as the Deemed Retailer in clause 6.3(a).”
- 25.11 Insert “**Waste Coal Mine Gas**” means coal seam gas drained from mines as an integrated part of coal mining operations”

**[26] Clause 11.3**

Omit and re-number old clause 11.4 as new clause 11.3

**[27] Clause 11.4**

Re-number old clause 11.5 as new clause 11.4

**[28] Schedule A - Tables**

28.1 Insert in Table 1 for NSW:

Coal tailings	0	0	0
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28.2 Insert in Table 1 for Qld:

Coal tailings	0	0	0
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28.3 Insert in the title of Table 5, “Default” after “Nitrous Oxide”

- 28.4 Insert subscript “a” after “Natural gas” wherever occurring
- 28.5 Insert footnote to Table 5:  
 “a These factors may also apply to waste coal mine gas, landfill gas and sewage gas.”
- 28.6 Insert in the title of Table 6, “Default” before “Distribution Loss Factors”
- 28.7 Insert in the title of Table 7, “Default” before “Distribution Loss Factors”
- 28.8 Insert in the title of Table 8, “Default” before “Transmission Loss and Scaling Factors”
- 28.9 Omit Table 9
- 28.10 Insert new Table 9 as follows:

At user site	the Distribution Loss Factor applying at the site  <b>or</b> the default Distribution Loss Factor for that distribution system from Table 7 in this Schedule
To distribution system	1.0
To transmission system	Transmission Scaling Factor for the State where the Generating System is located from Table 8 in this Schedule

**[30] Schedule B – Category B Generators**

- 30.1 Insert in Name column “(b)” after “Brown Mountain”, “Burrinjuck”, “Hume”, “Keepit”, “Shoalhaven”, and “Warragamba”
- 30.2 Omit in footnote (a), “up to” after “output” and insert instead “or the”
- 30.3 Insert in footnote (a), “the lesser of the actual” after “71% of”
- 30.4 Insert footnote:  
 “(b) Output up to the lesser of the actual output or the REC baseline to the NSW pool”

**[31] Schedule C – Category A Generators**

Insert new Schedule C

<b>Name</b>	<b>Type</b>	<b>Deemed Retailer</b>
Smithfield, NSW	Gas-fired cogeneration	Integral Energy
Tower, NSW	Waste mine gas	Integral Energy
Appin, NSW	Waste mine gas	Integral Energy
Kembla Grange	Hydro	Integral Energy
Belrose, NSW	Landfill gas	Energy Australia
Foreshore Park, NSW	Photovoltaic cell	Energy Australia
National Innovation Centre, NSW	Photovoltaic cell	Energy Australia
Lucas Heights 1, NSW	Landfill gas	Energy Australia
Corio, Vic	Landfill gas	Origin Energy
Yarrowonga Hydro, Vic	Hydro	Origin Energy
Alfred Hospital, Vic	Gas-fired cogeneration	Origin Energy
Royal Melbourne Hospital, Vic	Gas-fired cogeneration	Origin Energy
St Vincents Hospital, Vic	Gas-fired cogeneration	Origin Energy
Austin Hospital, Vic	Gas-fired cogeneration	Origin Energy
Vansdorf, Vic	Gas-fired cogeneration	AGL
Broadmeadows, Vic	Landfill gas	AGL
Clayton, Vic	Landfill gas	AGL
Springvale, Vic	Landfill gas	AGL
Pedler Creek, SA	Landfill gas	AGL
Tea Tree Gully, SA	Landfill gas	AGL
Wingfield 1, SA	Landfill gas	AGL
Wingfield 2, SA	Landfill gas	AGL
Highbury, SA	Landfill gas	AGL
Browns Plains, Qld	Landfill gas	Energex
Burrendong, NSW	Hydro	Country Energy
Wyangala, NSW	Hydro	Country Energy
Nymboida, NSW	Hydro	Country Energy
Copeton, NSW	Hydro	Country Energy
Oakey, NSW	Hydro	Country Energy
Harwood, NSW	Bagasse	Country Energy
Glenbaun, NSW	Hydro	Energy Australia
Blue Rock Dam, Vic	Hydro	TXU
Cardinia Dam, Vic	Hydro	TXU
Eildon Dam, Vic	Hydro	TXU
Glenmaggie Dam, Vic	Hydro	TXU
William Hovell Dam, Vic	Hydro	TXU
Thompson Dam, Vic	Hydro	TXU
Berwick Power Station	Landfill gas	TXU

## SCHEDULE 2

### Greenhouse Gas Benchmark Rule (Generation) No. 2 of 2003

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Frank Ernest Sartor, MP  
Minister for Energy and Utilities

#### 1 Name and commencement

This rule is the *Greenhouse Gas Benchmark Rule (Generation) No. 2 of 2003* and commences on 3 October 2003. At its commencement, this Rule is to be taken as having amended the Greenhouse Gas Benchmark Rule (Generation) that commenced on 1 January 2003, to the extent that this Rule differs from that Rule.

#### 2 Objects of the Rule

The objects of this Rule are to provide specific arrangements for the creation and calculation of New South Wales Greenhouse Abatement Certificates (NGACs) through electricity generation and other calculations associated with electricity generation and Greenhouse Gas emissions.

#### 3 Application of the Rule

Without limiting the persons to whom this Rule applies, this Rule applies to Accredited Abatement Certificate Providers accredited to create NGACs from electricity generation in accordance with Part 8A Division 4 of the Act, the Regulations, and this Rule.

#### 4 Status and Operation of the Rule

This Rule is a Greenhouse Gas Benchmark Rule made under Part 8A of the Act.

#### 5 Eligibility to be an Accredited Abatement Certificate Provider in respect of electricity generation

The Scheme Administrator may accredit:

- (a) Generators;
- (b) Deemed Retailers; and/or
- (c) any person entitled to create NGACs under this Rule,

as Accredited Abatement Certificate Providers in respect of the generation of electricity in a manner that results in reduced emissions of Greenhouse Gases by a Generating System that supplies any electricity at a Connection Point connected to the NSW Electricity Network or a transmission or distribution network interconnected with the NSW Electricity Network.

Note: In effect, eligible generators are those connected to the main transmission networks of the National Electricity Market, or to distribution systems currently connected to those networks in NSW, the Australian Capital Territory, Queensland, Victoria and South Australia.

## **6 Persons eligible to create NGACs under this Rule**

6.1 Despite any other provision in this Rule only Accredited Abatement Certificate Providers accredited for the purpose set out in clause 5 may create NGACs under this Rule.

### **6.2 The Generator**

The Generator is:

- a) the person who is registered with NEMMCO as the Generator as defined under the National Electricity Code with respect to a Generating System, or
- b) if no person is registered with NEMMCO as the Generator as defined under the National Electricity Code with respect to a Generating System, the owner of the Generating System; or
- c) a person nominated to be the Generator for the purpose of creating NGACs under this Rule by written agreement of
  - (i) the person in (a) or (b); or
  - (ii) a person previously nominated to be the Generator under this Rule.

### **6.3 The Deemed Retailer**

The Deemed Retailer is:

- a) the electricity retailer to which the electrical output of a Category A Generating System is deemed pursuant to the Power Purchase Agreement to which the Deemed Retailer is a party; or
- b) a person nominated to be the Deemed Retailer by written agreement of
  - (i) the person in (a); or
  - (ii) a person previously nominated to be the Deemed Retailer under this Rule.

## **7 Classification of Generating Systems**

### **7.1 Category A**

7.1.1 Those Generating Systems the electricity generation of which:

- (a) satisfied the criteria for Category A in the Emissions Workbook; and
- (b) were claimed as either Category A or Category F under the arrangements relating to greenhouse strategies in force under the Act before the commencement of Part 8A of that Act (and referred to in the Emissions Workbook),

are classified as Category A, and include those Generating Systems listed in Schedule C..

7.1.2 Once classified as such, a Category A Generating System retains a Category A classification for the life of the Power Purchase Agreement that gave rise to the previous eligibility for classification as Category A Generation under the Emissions Workbook.

## 7.2 Category B

7.2.1 Those Generating Systems listed in Schedule B are classified as Category B.

7.2.2 Those Generating Systems against which “(a)” appears in Schedule B are for the purposes of this Rule to be classified as Category B only as to 71% of the minimum of their:

- (a) Net Sent Out Generation; and
- (b) REC Baseline.

## 7.3 Category C

Those Generating Systems that are not classified as Category A or B:

- (a) having nameplate ratings of 30 MW or less that:
  - (i) generate electricity using Fossil Fuels and commenced Commercial Operation before 30 June 1997; or
  - (ii) generate electricity using Renewable Energy and commenced Commercial Operation before 1 January 1997; or
- (b) having nameplate ratings of greater than 30 MW that:
  - (i) generate electricity using Fossil Fuels and commenced Commercial Operation before 1 January 2002; or
  - (ii) generate electricity using Renewable Energy and commenced Commercial Operation before 1 January 1997,

are classified as Category C.

## 7.4 Category D

Those Generating Systems that are not classified as Category A, B, or C are classified as Category D.

## 8 NSW Production Baseline

### 8.1 Category A

For a Category A Generating System the *NSW Production Baseline* is (in MWh):

- (a) for electricity generated using Fossil Fuels:
  - (i) the maximum amount of electricity expressed in MWh to which the Original Deemed Retailer is contractually entitled in a calendar year under the Power Purchase Agreement; or
  - (ii) if no such level is specified in the Power Purchase Agreement referred to in (i), the Net Sent Out Generation in a year; or
- (b) for electricity generated using Renewable Energy Sources:

- (i) if ORER has assigned a REC Baseline and there is not in the Power Purchase Agreement a maximum amount of electricity expressed in MWh to which the Original Deemed Retailer is contractually entitled in a calendar year, the REC Baseline;
- (ii) if ORER has assigned a REC Baseline and there is in the Power Purchase Agreement a maximum amount of electricity expressed in MWh to which the Original Deemed Retailer is contractually entitled in a calendar year, the lower of the REC Baseline and the maximum amount of electricity expressed in MWh to which the Original Deemed Retailer is contractually entitled in a calendar year under the Power Purchase Agreement;
- (iii) if ORER has not assigned a REC Baseline and there is in the Power Purchase Agreement a maximum amount of electricity expressed in MWh to which the Original Deemed Retailer is contractually entitled in a calendar year, the maximum amount of electricity expressed in MWh to which the Original Deemed Retailer is contractually entitled in a calendar year under the Power Purchase Agreement; or
- (iv) if ORER has not assigned a REC Baseline and there is not in the Power Purchase Agreement a maximum amount of electricity expressed in MWh to which the Original Deemed Retailer is contractually entitled in a calendar year, the Net Sent Out Generation in a year.

## 8.2 Category B

- 8.2.1 For a Category B Generating System for electricity generated using Fossil Fuel there is no *NSW Production Baseline*.
- 8.2.2 For a Category B Generating System for electricity generated using Renewable Energy Sources the *NSW Production Baseline* is (in MWh) the REC Baseline.

## 8.3 Category C

For a Category C Generating System the *NSW Production Baseline* is (in MWh):

- (a) for electricity generated using Fossil Fuel, the average annual Net Sent Out Generation during operations over the five calendar years from 1997 to 2001, making an adjustment for periods during which, in the view of the Scheme Administrator:
  - (i) there was atypically low output due to rebuilds or other extended off-line periods; or
  - (ii) not all units were commissioned,

in which case production data should be taken from those periods when the whole Generating System was operating typically and fully. The Scheme Administrator may extrapolate from available data or model typical output patterns based on the characteristics and location of the Generating System and its fuel type in order to set a NSW Production Baseline that, in the view

of the Scheme Administrator, represents the typical annual output of that Generating System; or

- (b) for electricity generated using Renewable Energy Sources:
  - (i) if ORER has assigned a REC Baseline, the REC Baseline; or
  - (ii) if ORER has not assigned a REC Baseline, the average annual Net Sent Out Generation during operations over the five calendar years from 1997 to 2001, making an adjustment for periods during which there was atypically low output due to rebuilds or other extended off-line periods or periods during which not all units were commissioned in which case production data should be taken from those periods when the whole generator was operating typically and fully. The Scheme Administrator may extrapolate from available data or model typical output patterns based on the characteristics and location of the Generating System and its fuel type in order to set a NSW Production Baseline that, in the view of the Scheme Administrator, represents the typical annual output of that Generating System.

#### 8.4 Category D

For a Category D Generating System the *NSW Production Baseline* (in MWh) is zero.

#### 8.5 Allocation of group REC Baselines

8.5.1 For a Category A, B, C or D Generating System which is part of a group of Generating Systems to which ORER has assigned a collective REC Baseline, but for which ORER has not assigned an individual REC Baseline, the Scheme Administrator must either;

- (i) assign a Baseline to each of the Generating Systems in the group of Generating Systems; or
- (ii) treat the entire group as if it were a single Generating System.

8.5.2 If the Scheme Administrator assigns a Baseline to each of the Generating Systems in the group of Generating Systems, that Baseline has the same effect in this Rule as if it had been a REC Baseline assigned directly to that Generating System by ORER, for all purposes including the calculation of the NSW Production Baseline and the assignment to each Generating System of the number of RECs created by the group.

### 9 Creation of NGACs

#### 9.1 Creation of NGACs from electricity generated by Category A Generating Systems

For electricity generated by a Category A Generating System:

- (a) the Deemed Retailer may create the number of NGACs calculated using Equation 1 where *Eligible Generation* is calculated in Equation 3; and
- (b) the Generator that is accredited in respect of the Category A Generating System may create the number of NGACs calculated using Equation 1 where *Eligible Generation* is calculated using Equation 2, but may surrender this entitlement to the Deemed Retailer by providing to the



Deemed Retailer a statement in a form approved by the Scheme Administrator.

### Equation 1

Number of NGACs that may be created = Eligible Generation x (NSW Pool Coefficient x Emissions Intensity Adjustment Factor – Emissions Intensity)

Where:

- *Number of NGACs that may be created* is in t CO<sub>2</sub>-e
- *Eligible Generation* (in MWh) is assigned in the clause referring to this Equation.
- *NSW Pool Coefficient* (in t CO<sub>2</sub>-e/MWh) is the NSW Pool Coefficient determined by the Tribunal using clause 9.1 of the Compliance Rule for the year in which the Eligible Generation occurred
- *Emissions Intensity* (in t/MWh) is calculated using **Equation 4**
- *Emissions Intensity Adjustment Factor* is the value in Table 9 of Schedule A to this Rule appropriate to whether the Generating System is connected at a user site, to the distribution system, or to the transmission system

### Equation 2

If Net Electricity Sent Out - NSW Production Baseline - RECs Created is  $\leq 0$ , then:

Eligible Generation = 0

If Net Electricity Sent Out - NSW Production Baseline - RECs Created is  $> 0$ , then:

Eligible Generation = Net Electricity Sent Out – NSW Production Baseline – RECs Created

Where:

- *Eligible Generation* is in MWh
- *Net Electricity Sent Out* (in MWh) is, in respect of the Generating System, Net Sent Out Generation in a year
- *NSW Production Baseline* is the NSW Production Baseline applicable to the Generating System, determined using clause 8
- *RECs Created* (in MWh) is the number of RECs created in accordance with the RE(E) Act in respect of the same electricity generation by the Generating System in the same year as the *Net Electricity Sent Out*

Note: It is proposed that Equation 2 will be amended if and when proposed amendments are made to the *Queensland Electricity Act 1994* (Qld) as set out in *The Queensland 13% Gas Scheme: Final Position Paper*, September 2002, Office of Energy, Queensland Treasury.

### Equation 3

If Net Electricity Sent Out < NSW Production Baseline, then:

Eligible Generation = Net Electricity Sent Out

If Net Electricity Sent Out  $\geq$  NSW Production Baseline, then:

Eligible Generation = NSW Production Baseline

Where:

- *Eligible Generation* is in MWh
- *Net Electricity Sent Out* (in MWh) is, in respect of the Generating System, Net Sent Out Generation in a year
- *NSW Production Baseline* is the NSW Production Baseline applicable to the Generating System, determined using clause 8

#### Equation 4

Emissions Intensity = Total Greenhouse Gas Emissions / Net Electricity Generated

Where:

- *Emissions Intensity* is in t CO<sub>2</sub>-e/MWh
- *Total Greenhouse Gas Emissions* (in t CO<sub>2</sub>-e) is determined using section 10
- *Net Electricity Generated* (in MWh) is, in respect of the Generating System, Gross Generation less Auxiliary Electricity Use, both measured over the same time period as the Total Greenhouse Gas Emissions

## 9.2 Creation of NGACs from electricity generated by Category B Generating Systems

9.2.1 For electricity generated by a Category B Generating System using Fossil Fuels:

- (a) if the Generator that is accredited in respect of the Category B Generating System is a participant in the Commonwealth Generator Efficiency Standards and takes measures after 1 January 2002 to operate the Generating System which are, in the view of the Scheme Administrator, to the best achievable efficiency without changing the design of the Generating System or its fuel mix, the Generator may create the number of NGACs calculated using Method 1; or
- (b) if the Generator that is accredited in respect of the Category B Generating System takes measures after 1 January 2002 that, in the view of the Scheme Administrator, significantly change the design of the Generating System, but not the fuel mix, the Generator may create the number of NGACs calculated using Method 2; or
- (c) if the Generator that is accredited in respect of the Category B Generating System takes measures after 1 January 2002 that, in the view of the Scheme Administrator, significantly change the fuel mix of the Generating System, the Generator may create the number of NGACs calculated using Method 3, provided that all fuels used before and after the change in fuel mix are such that the fugitive and combustion emissions of those fuels would be included in the National Greenhouse Gas Inventory

Note: A Generator that is accredited in respect of a Category B Generating System may create NGACs by performing better than the lower bound of the Generator Efficiency Standards Greenhouse Intensity value for that type of Generating System or by undertaking a specific abatement project that significantly changes the design or fuel mix. Examples of significantly changing the design or fuel mix would include a turbine upgrade to high efficiency blades or fuel switching to a combination of coal and natural gas.

A Generator that changes the fuel mix to include coal mine methane collected from a disused coal mine cannot claim a greenhouse benefit for fugitive methane emissions avoided until such time as fugitive methane emissions from disused coal mines are included in the National Greenhouse Gas Inventory under the NGGI methodology.

NGACs may be created by Methods 1, 2 or 3 from the time of the activity which gave rise to their creation takes effect up to the time it ceases to have effect, but the number of NGACs created must be separately calculated in each year, taking into account the actual performance of the Generating System in that year, the effects of degradation with age and any other factors changing over time.

### Method 1 – GES Gain

Step (1) From the Commonwealth Generator Efficiency Standards Methodology set out in *Program Guidelines: Generator Efficiency Standards*, Australian Greenhouse Office, July 2000 and *Technical Guidelines: Generator Efficiency Standards*, Version 1.2, Australian Greenhouse Office, January 2001, and applying the definitions contained therein, calculate:

- *Actual GI value* (in kg CO<sub>2</sub>-e/MWh sent out) applicable to the Generating System in that year.
- *Reference GI value* (GI<sub>R</sub>) (in kg CO<sub>2</sub>-e/MWh) applying at the output factor achieved by the Generating System in that year.
- *Lower GI value* (GI<sub>L,Lower</sub>) (in kg CO<sub>2</sub>-e/MWh) applying at the output factor achieved by the Generating System in that year and taking into account performance degradation with age and the 0.015 tolerance band.

Step (2) For the purposes of this Rule:

- there can only be a GES Gain in emissions intensity if *Actual GI* < *Lower GI value*
- the GES Gain in emissions intensity is:

$$\text{Lower GI value} - \text{Actual GI value}$$

Note: For example, if in a given year the plant operates at an average 85% output factor, the Actual GI value is 708 kg CO<sub>2</sub>-e/MWh and the lower GI value at 85% output factor is 722 CO<sub>2</sub>-e/MWh, then the GES gain is 14 kg CO<sub>2</sub>-e/MWh.

Step (3) The number of NGACs that may be created is:

$$\{\text{GES Gain in emissions intensity (in kg CO}_2\text{-e/MWh)} / 1000\} \times \text{Net Sent Out Generation}$$

Note: If, in the above example, the power station net sent out generation is 850,000 MWh, the number of NGACs that could be created is  $14 / 1,000 \times 850,000 = 11,900$  tonnes CO<sub>2</sub>-e.

### Method 2 – Redesign Gain

Step (1)

From the Commonwealth Generator Efficiency Standards Methodology set out in *Program Guidelines: Generator Efficiency Standards*, Australian Greenhouse Office, July 2000 and *Technical Guidelines: Generator Efficiency Standards*, Version 1.2, Australian Greenhouse Office, January 2001, and applying the definitions contained therein, calculate:

- *Actual GI value* (in kg CO<sub>2</sub>-e/MWh sent out) applicable to the Generating System in that year.
- *Reference GI value* (GI<sub>R</sub>) (in kg CO<sub>2</sub>-e/MWh) applying at the output factor achieved by the Generating System in that year.
- *Lower GI value* (GI<sub>L,Lower</sub>) (in kg CO<sub>2</sub>-e/MWh) applying at the output factor achieved by the Generating System in that year and taking into account performance degradation with age and the 0.015 tolerance band.

Step (2)

Conduct a heat rate test at greater than 70% electricity output prior to making the changes in the current design, following the Commonwealth Generator Efficiency Standards Methodology set out in *Program Guidelines: Generator Efficiency Standards*, Australian Greenhouse Office, July 2000 and *Technical Guidelines: Generator Efficiency Standards*, Version 1.2, Australian Greenhouse Office, January 2001, or another method approved by the Scheme Administrator.

Step (3)

After completing the change in design of the Generating System, conduct a heat rate test, or another method approved by the Scheme Administrator, at the same level of electricity output used for Step (2), and determine the *Percentage Heat Rate Change* attributable to the design change.

Step (4)

Adjust the existing Reference GI (GI<sub>R</sub>) and Lower GI (GI<sub>L,Lower</sub>) curves, over the normal plant operating range, in a downwards direction in direct proportion to the Percentage Heat Rate Change determined in Step (3). The two new curves are designated Reference GI (GI<sub>R,Redesign</sub>) and Lower GI (GI<sub>L,Lower,Redesign</sub>).

Step (5)

For the output factor achieved during a year, the *Redesign Gain* in emissions intensity is the difference between the GI<sub>L,Lower,Original</sub> on the original curve (age adjusted) and the GI<sub>L,Lower,Redesign</sub> on the curve created in Step (4) (age adjusted). Hence, the *Redesign Gain* is:

$$GI_{L,Lower,Original} - GI_{L,Lower,Redesign}$$

There can only be a *Redesign Gain* if  $GI_{L,Lower,Redesign} < GI_{L,Lower,Original}$

Step (6) The number of NGACs that may be created is:

$$\{\text{Redesign Gain (kg CO}_2\text{-e/MWh)} / 1000\} \times \text{Net Sent Out Generation}$$

Step (7)

If Method 1 is used subsequently to calculate *GES Gain in emissions intensity*, then the redesign *Lower GI* value ( $GI_{L,Lower,Redesign}$ ) will be substituted for the original *Lower GI* value ( $GI_{L,Lower,Original}$ ), so as to avoid double-counting of *GES Gain in emissions intensity* after the redesign. Hence, the *GES Gain in emissions intensity* at a specified generating plant output factor is:

$$GI_{L,Lower,Redesign} - \text{Actual GI value}$$

Note: For example, a power station has upgraded its Low Pressure (LP) turbines to high efficiency blading. Before the unit was taken out of service for the upgrade, a test was carried out at 90% output factor which resulted in an actual GI of 1020 kg CO<sub>2</sub>-e/MWh sent out. A second test was done when the unit was returned to service, again at 90% output factor, resulting in an actual GI of 1000 kg CO<sub>2</sub>-e/MWh sent out. The before and after tests showed that the upgrade resulted in a GI improvement of 20 kg CO<sub>2</sub>-e/MWh sent out at 90% output factor.

From the before and after redesign test results, the Percentage Heat Rate Change is:

$$(1020 - 1000) / 1020 = 2.0\% \text{ (round to one decimal place)}$$

The Percentage Heat Rate Change could also be determined by conducting a Valve Full Open Test using exactly equivalent steam conditions for the before and after redesign tests. The difference in generator electrical output between tests will yield the Percentage Heat Rate Change.

Using the results of the before and after upgrade tests, two new GI curves ( $GI_{R,Redesign}$  and  $GI_{L,LowerRedesign}$ ) are developed over the operating range of the power station, using the shape of the original GES GI reference curve ( $GI_R$ ) which is itself derived from original plant design or test data.

The before and after upgrade GI curves are used to calculate the GI improvement due to the turbine upgrade at different output factors. This will set the GI improvement attributable to the turbine upgrade, irrespective of other factors relating to the Commonwealth GES methodology.

If in the year following the upgrade, the plant generates 900,000 MWh at an output factor of 70%. The original  $GI_{L,LowerOriginal}$  value (before redesign) was 1077 kg CO<sub>2</sub>-e/MWh sent out and the  $GI_{L,LowerRedesign}$  value (after redesign) is  $1077 \times (1 - 0.020) = 1055$  kg CO<sub>2</sub>-e/MWh sent out. From this data, the Redesign Gain is:

$$1077 - 1055 = 22 \text{ kg CO}_2\text{-e/MWh sent out.}$$

The number of NGACs that may be created due to the turbine upgrade is:

$$22 / 1000 \times 900,000 = 19,800 \text{ tonnes CO}_2\text{-e}$$

During the same year, refurbishment work has been carried out on the boiler airheaters as part of the GES commitment. The power station generates 900,000 MWh at an output factor of 70%, and the Actual GI is 1050 kg CO<sub>2</sub>-e/MWh. This is lower than the  $GI_{L,Lower,Redesign}$  value of 1055 kg CO<sub>2</sub>-e/MWh. Hence the GES Gain is:

$1055 - 1050 = 5 \text{ kg CO}_2\text{-e/MWh sent out}$

The number of NGACs that may be created due to the GES Gain is:

$5 / 1000 \times 900,000 = 4,500 \text{ tonnes CO}_2\text{-e}$

This is in addition to the number of NGACs that may be created due to the previous design change, the effects of which have not been reversed.

For Redesign Gains, the heat rate test Step 3 must be repeated at intervals of no more than 5 years unless otherwise required by the Scheme Administrator, and the latest test results must be used to calculate the Percentage Heat Rate Change that used in subsequent calculations.

### Method 3 – Fuel Switch Gain

#### Step (1)

From the Commonwealth Generator Efficiency Standards Methodology set out in *Program Guidelines: Generator Efficiency Standards*, Australian Greenhouse Office, July 2000 and *Technical Guidelines: Generator Efficiency Standards*, Version 1.2, Australian Greenhouse Office, January 2001, and applying the definitions contained therein, calculate:

- the emission factors for carbon dioxide ( $F_{\text{CO}_2}$ ), methane ( $F_{\text{CH}_4}$ ) and nitrous oxide ( $F_{\text{N}_2\text{O}}$ ) for each fuel used in the Generating System.
- the *Reference Boiler Efficiency* ( $\eta_{\text{B}}$ ), *Turbine Efficiency* ( $\eta_{\text{T}}$ ), *Auxiliaries Percentage* and *Sent Out Thermal Efficiency* ( $\eta_{\text{SO}}$ ) for each fuel used in the Generating System applicable to the output factor in that year.
- the *Gross Calorific Value* ( $Q_{\text{gr,p,as}}$ ) for each fuel used in the Generating System.
- the weighted average *Equivalent Carbon Dioxide Emission Factor* ( $F_{\text{CO}_2\text{-e,av}}$ ), *Reference Sent Out Thermal Efficiency* ( $\eta_{\text{SO,av}}$ ) and *Fuel Gross Calorific Value* ( $Q_{\text{g,p,as,av}}$ ), weighted according to the tonnage of each fuel consumed in the Generating System.
- *Reference GI* ( $GI_{\text{R,Fuel Switch}}$ ) (in kg CO<sub>2</sub>-e/MWh) applying at the output factor achieved by the Generating System in that year.
- *Lower GI value* ( $GI_{\text{L,Lower,Fuel Switch}}$ ) (in kg CO<sub>2</sub>-e/MWh) applying at the output factor achieved by the Generating System in that year and taking into account performance degradation with age and the 0.015 tolerance band.

#### Step (2)

For the original mix of fuels applying before the change in fuel mix, calculate:

- *Reference GI* ( $GI_{\text{R,Original}}$ ) (in kg CO<sub>2</sub>-e/MWh) applying at the output factor achieved by the Generating System in that year.

- *Lower GI value* ( $GI_{L,Lower,Original}$ ) (in kg CO<sub>2</sub>-e/MWh) taking into account performance degradation with age and applying at the output factor achieved by the Generating System in that year.

## Step (3)

For the output factor achieved during a year, the *Fuel Switch Gain* in emissions intensity is:

$$GI_{L,Lower,Original} - GI_{L,Lower,Fuel\ Switch}$$

There can only be a *Fuel Switch Gain* if the  $GI_{L,Lower,Fuel\ Switch} < GI_{L,Lower,Original}$

## Step (4)

The number of NGACs that may be created is:

$$\{\text{Fuel Switch Gain (kg CO}_2\text{-e/MWh)} / 1000\} \times \text{Net Sent Out Generation}$$

## Step (5)

If the fuel switch involves the introduction of waste coal mine gas from a working coal mine, that would otherwise be vented to atmosphere, then the coal mine gas attracts an additional abatement benefit. The number of additional NGACs that may be created is:

$$\text{Energy content of waste coal mine gas (PJ)} \times 18 \text{ (kt CH}_4\text{/PJ default CH}_4\text{ conversion factor)} \times 21 \times 1000$$

## Step (6)

If Method 1 is used subsequently to calculate GES Gain in emissions intensity, then the fuel switch Lower GI value ( $GI_{L,Lower,Fuel\ Switch}$ ) will be substituted for the original Lower GI value ( $GI_{L,Lower,Original}$ ), so as to avoid double counting of *GES Gain in emissions intensity* after the fuel switch. The *GES Gain in emissions intensity* at a specified plant output factor is:

$$GI_{L,Lower,Fuel\ Switch} - \text{Actual GI value}$$

## Note:

For example, a coal fired power station installs supplementary gas burners on its boilers and, in the following year, the plant generates 1,000,000 MWh at an output factor of 60% with 5% of the total fuel (by weight) being supplied from natural gas. The Actual GI is 908 kg CO<sub>2</sub>-e/MWh.

The emission factors for carbon dioxide, methane and nitrous oxide for coal and natural gas are calculated yielding a  $F_{CO_2-e}$  of 1.852 and 2.631 kg CO<sub>2</sub>-e/kgfuel for coal and natural gas respectively and hence a weighted average  $F_{CO_2-e,av}$  of 1.891 kg CO<sub>2</sub>-e/kgfuel. Since coal and natural gas impact boiler efficiency and auxiliary load differently, the Reference Sent Out Thermal Efficiency ( $\eta_{SO}$ ) is calculated for each fuel at 60% output factor, yielding 32.03% and 31.64% respectively and a weighted average  $\eta_{SO,av}$  of 32.01%. The Gross Calorific Value for coal and natural gas is 23.0 and 45.0 MJ/kg respectively, yielding a weighted average  $Q_{gr,p,as,av}$  of 24.1 MJ/kg. For the new fuel mix, the Reference GI ( $GI_{R,Fuel\ Switch}$ ) is calculated to be 882 kg CO<sub>2</sub>-e/MWh and the Lower GI value ( $GI_{L,Lower,Fuel\ Switch}$ ) is 904 kg CO<sub>2</sub>-e/MWh. For the original coal only, the Reference GI and Lower GI value are calculated yielding a

$GI_{R,Original}$  and  $GI_{L,Lower,Original}$  of 905 and 927 kg CO<sub>2</sub>-e/MWh respectively.

From this data, the Fuel Switch Gain is:

$$927 - 904 = 23 \text{ kg CO}_2\text{-e/MWh sent out}$$

The number of NGACs that may be created due to the fuel switch is:

$$23 / 1000 \times 1,000,000 = 23,000 \text{ tonnes CO}_2\text{-e}$$

Under the GES commitment, work is also carried out to improve the performance of the soot-blowing system. The plant is 12 years old. The work on the sootblowing system also improves the plant's efficiency and the Actual GI is less than the Lower GI Value ( $GI_{L,Lower,Original} = 927 \text{ kgCO}_2\text{-e/MWh}$ ). Under Method 1, it may be possible to create NGACs from the efficiency improvement. Under Method 3, however, the Lower GI value is adjusted down to the  $GI_{L,Lower,Fuel\ Switch}$  value so as to avoid double counting. The Actual GI of 908 kg CO<sub>2</sub>-e/MWh is not less than the  $GI_{L,Lower, Fuel\ Switch}$  value of 904 kg CO<sub>2</sub>-e/MWh, so the GES Gain in emissions is zero and no NGACs may be created due to GES Gain.

If, in the above example, the gas was not natural gas but waste coal mine gas sourced from a working coal mine, that would otherwise be vented to atmosphere, the additional NGACs that could be created are:

$$1.078 \text{ (Energy content of waste coal mine gas in PJ)} \times 18 \text{ (kt CH}_4\text{/PJ default CH}_4\text{ conversion factor)} \times 21 \times 1000 = 407,000$$

- 9.2.2 For electricity generated by a Category B Generating System using Renewable Energy Sources, the Generator that is accredited in respect of the Category B Generating System may create the number of NGACs calculated using Equation 1 where the *Eligible Generation* is calculated using Equation 2.
- 9.2.3 For electricity generated in a year by a Category B Generating System using Fossil Fuel co-fired with an Eligible Biomass Fuel, the Generator that is accredited in respect of the Category B Generating System may elect to:
- (i) create RECs in respect of that generation under the RE(E) Act; or
  - (ii) create using this Rule the number of NGACs calculated using Equation 5.

#### Equation 5

Number of NGACs that may be created = Net Electricity Sent Out x NSW Pool Coefficient x Energy Content of Renewable Energy Source x  $\eta_{SO,RE}$  / (Energy Content of Renewable Energy Source x  $\eta_{SO,RE}$  + Energy Content of Fossil Fuel x  $\eta_{SO,FF}$ )

Where:

- *Number of NGACs that may be created* is in t CO<sub>2</sub>-e
- *Net Electricity Sent Out* (in MWh) is, in respect of the Generating System, Net Sent



Out Generation

- *NSW Pool Coefficient* (in t CO<sub>2</sub>-e/MWh) is the NSW Pool Coefficient determined by the Tribunal using clause 9.1 of the Compliance Rule for the year in which the Net Electricity Sent Out was generated
- *Energy Content of Renewable Energy Source* is in PJ
- $\eta_{SO,RE}$  is the thermal efficiency of the plant attributed to the Renewable Energy Source only
- *Energy Content of Fossil Fuel* is in PJ
- $\eta_{SO,FF}$  is the thermal efficiency of the plant attributed to the Fossil Fuel only.

### 9.3 Creation of NGACs from electricity generated by Category C Generating Systems

9.3.1 For electricity generated by a Category C Generating System using Fossil Fuel, the Generator that is accredited in respect of the Category C Generating System may in each year select to either:

- (a) create the number of NGACs calculated using Equation 1 where *Eligible Generation* is calculated using Equation 2; or
- (b) if the Generator that is accredited with respect to the Category C Generating System is a participant in the Commonwealth Generator Efficiency Standards, and measures are taken after 1 January 2002 to operate the Generating System which are, in the view of the Scheme Administrator, to the best achievable efficiency without changing the design of the Generating System or its fuel mix, the Generator may create the number of NGACs calculated using Method 1.; or
- (c) if the Generator that is accredited in respect of the Category C Generating System, takes measures after 1 January 2002 that, in the view of the Scheme Administrator, significantly change the design of the Generating System but not its fuel mix, the Generator may create the number of NGACs calculated using Method 2, or
- (d) if the Generator that is accredited in respect of the Category C Generating System, takes measures after 1 January 2002 that, in the view of the Scheme Administrator, significantly change the fuel mix of the Generating System, the Generator may create the number of NGACs calculated using Method 3, provided that all fuels used before and after the change in fuel mix are such that the fugitive and combustion emissions of those fuels would be included in the National Greenhouse Gas Inventory; or
- (e) if the Generator that is accredited in respect of the Category C Generating System is otherwise entitled to create NGACs subject to (b), (c) or (d) in relation to any output below its NSW Production Baseline, plus it may create NGACs using Equation 1 for output above its NSW Production Baseline.

9.3.2 For electricity generated by a Category C Generating System using Renewable Energy Sources, the Generator that is accredited in respect of the Category C Generating System may create the number of NGACs calculated using Equation 1 where *Eligible Generation* is calculated using Equation 2.

Note: A Generator that is accredited in respect of a Category C Generating System may create NGACs by performing better than the lower bound of the Generator Efficiency Standards Greenhouse Intensity value for that type of Generating System or by undertaking a specific abatement project that significantly changes the design or fuel mix. Examples of significantly changing the design or fuel mix would include a turbine upgrade to high efficiency blades or fuel switching to a combination of coal and natural gas.

A generator that changes the fuel mix to include coal mine methane collected from a disused coal mine cannot claim a greenhouse benefit for fugitive methane emissions avoided, so long as fugitive methane emissions from disused coal mines are excluded from the National Greenhouse Gas Inventory under the NGGI Methodology.

NGACs may be created by Methods 1, 2 or 3 from the time of the activity which gave rise to their creation takes effect up to the time it ceases to have effect, but the number of NGACs created must be separately calculated in each year, taking into account the actual performance of the Generating System in that year, the effects of degradation with age and any other factors changing over time.

#### **9.4 Creation of NGACs from electricity generated by Category D Generating Systems**

9.4.1 For electricity generated by a Category D Generating System using Fossil Fuel, the Generator that is accredited in respect of the Category D Generating System may in each year select to either:

- (a) create the number of NGACs calculated using Equation 1 where *Eligible Generation* is calculated using Equation 2; or
- (b) if the Generator that is accredited in respect of the Category D Generating System is a participant in the Commonwealth Generator Efficiency Standards and measures are taken to operate the Generating System which are, in the view of the Scheme Administrator, to the best achievable efficiency without changing the design of the Generating System or its fuel mix, the Generator may create the number of NGACs calculated using Method 1; or
- (c) if the Generator that is accredited in respect of the Category D Generating System takes measures that, in the view of the Scheme Administrator, significantly change the design of the Generating System but not the fuel mix, the Generator may create the number of NGACs calculated using Method 2; or
- (d) if the Generator that is accredited in respect of the Category D Generating System takes measures that, in the view of the Scheme Administrator, significantly change the fuel mix of the Generating System, the Generator may create the number of NGACs calculated using Method 3, provided that all fuels used before and after the change in fuel mix are such that the fugitive and combustion emissions of those fuels would be included in the National Greenhouse Gas Inventory.

9.4.2 For electricity generated by a Category D Generating System using Renewable Energy Sources, the Generator that is accredited in respect of the Category D Generating System may

create the number of NGACs calculated using Equation 1 where *Eligible Generation* is calculated using Equation 2.

### 9.5 Creation of additional NGACs from electricity generated using landfill gas and sewage gas or cogeneration from Renewable Energy Sources

In respect of electricity generated by a Generating System that is entitled to create RECs:

- a) using landfill gas, or sewage gas; or
- b) is a Cogeneration Plant for which the appropriate fuel identified in Step (2) of Method 4 is a Fossil Fuel,

the Generator that is accredited in respect of the Generating System may create the number of NGACs calculated using Equation 6 in addition to any NGACs that it is entitled to create according to clauses 9.1 to 9.4

#### Equation 6

Number of additional NGACs that may be created = Number of RECs created x (NSW Pool Coefficient x Emissions Intensity Adjustment Factor – NSW Pool Coefficient - Emissions Intensity

Where:

- *Number of additional NGACs that may be created* is in t CO<sub>2</sub>-e abated
- *Number of RECs created* ( in MWh) is the number registered with ORER, that were created in respect of electricity generated over the same time period as NGACs created according to clauses 9.1 to 9.34
- *Emissions Intensity* (in t/MWh) is the *Emissions Intensity* (in t/MWh) calculated using **Equation 4**
- *Emissions Intensity Adjustment Factor* is the value in Table 9 of Schedule A to this Rule appropriate to whether the Generating System is connected at a user site, to the distribution system, or to the transmission system

### 9.6 Creation of NGACs from electricity generated using Native Forest Bio-Material

Despite any other provision in this Rule, an Abatement Certificate Provider must not create NGACs in respect of the whole or any part of the electricity generated by any Generating System in a particular year if it generated any electricity in that year in violation of the provisions of the *Protection of the Environment Operations (General) Amendment (Burning of Bio-Material) Regulation 2003*.

Note: Clause 9.6. refers to limits and conditions relating to the implementation of the NSW Government policy on the use of forest biomass for electricity generation.

### 9.7 Adjustment of number of NGACs that may be created for GGAP funded projects

- 9.7.1 Despite any other provision in this Rule, if on or after 1 January 2003 approval for GGAP funding has been granted for a project, the maximum number of NGACs that an Accredited Abatement Certificate Provider can create under this Rule from the number of tonnes of carbon dioxide equivalent of Greenhouse Gas emissions abated by the project equals the percentage of the total number of NGACs that it is otherwise entitled to create under this Rule from that project corresponding to the percentage of project funding that is not provided by GGAP.

Note: For example, if GGAP funding represents 20% of total project funding, then the project developer can only create NGACs for 80% of the eligible abatement achieved.

## 10 Emissions Calculations

Note: The method of calculating emissions is essentially unchanged from the Emissions Workbook. This aligns this Rule with the National Greenhouse Gas Inventory Methodology.

### 10.1 Total Greenhouse Gas Emissions

Subject to clauses 10.2 and 10.3, the *Total Greenhouse Gas Emissions* in tonnes of carbon dioxide equivalent from a Generating System is the total of:

- (a) for each Fossil Fuel used, the sum of:
  - (i) CO<sub>2</sub> emissions at the point of combustion (in tonnes), calculated using **Equation 7**; and
  - (ii) CH<sub>4</sub> emissions at the point of combustion (in tonnes of carbon dioxide equivalent), calculated using **Equation 8**; and
  - (iii) N<sub>2</sub>O emissions at the point of combustion (in tonnes of carbon dioxide equivalent), calculated using **Equation 9**; and
  - (iv) if the Fossil Fuel is natural gas, fugitive CO<sub>2</sub> emissions associated with the production of the Fossil Fuel (in tonnes of carbon dioxide equivalent) calculated using **Equation 10**; and
  - (v) if the Fossil Fuel is natural gas, fugitive CH<sub>4</sub> emissions associated with the production of the Fossil Fuel (in tonnes of carbon dioxide equivalent), calculated using **Equation 11**;
  - (vi) if the Fossil Fuel is black coal, the total of fugitive CH<sub>4</sub> emissions associated with the production of the Fossil Fuel for mines from which coal is sourced (in tonnes of carbon dioxide equivalent), where the fugitive CH<sub>4</sub> emissions associated with the production of the Fossil Fuel for each mine are calculated using **Equation 12**,less:
  - (vii) if the Fossil Fuel is Waste Coal Mine Gas, fugitive CH<sub>4</sub> emissions avoided through the use of Waste Coal Mine Gas (in tonnes of carbon dioxide equivalent), using **Equation 13**; and
- (b) for each Renewable Energy Source used, the sum of:
  - (i) CH<sub>4</sub> emissions at the point of combustion (tonnes of carbon dioxide equivalent), calculated using **Equation 14**; and
  - (ii) N<sub>2</sub>O emissions at the point of combustion (tonnes of carbon dioxide equivalent), calculated using **Equation 15**,less:

- (iii) if the fuel is landfill gas, or sewage gas, fugitive CH<sub>4</sub> emissions avoided through the use of the fuel (in tonnes of carbon dioxide equivalent), calculated using **Equation 16**.

**Equation 7**

CO<sub>2</sub> emissions at the point of combustion = Energy content of Fossil Fuel x CO<sub>2</sub> emission factor x combustion factor x 1000

Where

- *CO<sub>2</sub> emissions at the point of combustion* is in t CO<sub>2</sub>-e
- *Energy content of Fossil Fuel* is in PJ
- *CO<sub>2</sub> emission factor* (in kt CO<sub>2</sub>/PJ) is the factor for that Fossil Fuel and equipment type in Table 3 of Schedule A to this Rule or another CO<sub>2</sub> emission factor accepted by the Scheme Administrator, if the Accredited Abatement Certificate Provider can justify its adoption and document its application.
- *Combustion factor* is the factor for that Fossil Fuel in Table 4 of Schedule A to this Rule or another factor accepted by the Scheme Administrator, if the Accredited Abatement Certificate Provider can justify its adoption and document its application

**Equation 8**

CH<sub>4</sub> emissions at the point of combustion = Energy content of Fossil Fuel x CH<sub>4</sub> emission factor x 1000 x 21

Where

- *CH<sub>4</sub> emissions at the point of combustion* is in t CO<sub>2</sub>-e
- *Energy content of Fossil Fuel* is in PJ
- *CH<sub>4</sub> emission factor* (in kt CH<sub>4</sub>/PJ) is the factor for that Fossil Fuel and equipment type in Table 5 of Schedule A to this Rule or another CH<sub>4</sub> emission factor accepted by the Scheme Administrator, if the Accredited Abatement Certificate Provider can justify its adoption and document its application

**Equation 9**

N<sub>2</sub>O emissions at the point of combustion = Energy content of Fossil Fuel x N<sub>2</sub>O emission factor x 1000 x 310

Where

- *N<sub>2</sub>O emissions at the point of combustion* is in t CO<sub>2</sub>-e
- *Energy content of Fossil Fuel* is in PJ
- *N<sub>2</sub>O emission factor* (in kt N<sub>2</sub>O/PJ) is the factor for that Fossil Fuel and equipment type in Table 5 of Schedule A to this Rule or another N<sub>2</sub>O emission factor accepted by the Scheme Administrator, if the Accredited Abatement Certificate Provider can justify its adoption and document its application

**Equation 10**

Fugitive CO<sub>2</sub> emissions associated with the production of the Fossil Fuel = Energy content of gas x CO<sub>2</sub> emission factor x 1000

Where

- *Fugitive CO<sub>2</sub> emissions associated with the production of the Fossil Fuel* is in t CO<sub>2</sub>-e

- *Energy content of gas* is in PJ
- *CO<sub>2</sub> emission factor* (in kt CO<sub>2</sub>/PJ) is the factor for that Fossil Fuel in Table 2 of Schedule A to this Rule or another CO<sub>2</sub> emission factor accepted by the Scheme Administrator, if the Accredited Abatement Certificate Provider can justify its adoption and document its application

**Equation 11**

Fugitive CH<sub>4</sub> emissions associated with the production of the Fossil Fuel = Energy content of Fossil Fuel x CH<sub>4</sub> emission factor x 1000 x 21

Where

- *Fugitive CH<sub>4</sub> emissions associated with the production of the Fossil Fuel* is in t CO<sub>2</sub>-e
- *Energy content of Fossil Fuel* is in PJ
- *CH<sub>4</sub> emission factor* (in kt CH<sub>4</sub>/PJ) is the factor for that Fossil Fuel in Table 2 of Schedule A to this Rule or another CH<sub>4</sub> emission factor accepted by the Scheme Administrator, if the Accredited Abatement Certificate Provider can justify its adoption and document its application

**Equation 12**

Fugitive CH<sub>4</sub> emissions associated with the production of the Fossil Fuel for each mine = (Mass of coal sourced from mine x CH<sub>4</sub> emission factor / 1000) x 21

Where

- *Fugitive CH<sub>4</sub> emissions associated with the production of the Fossil Fuel* is in t CO<sub>2</sub>-e
- *Mass of coal sourced from mine* is in t
- *CH<sub>4</sub> emission factor* (in kg CH<sub>4</sub>/ t) is the combined fugitive emissions factor for that class of mine in Table 1 of Schedule A to this Rule or if class of mine not known, the weighted average for the State from which the coal was sourced in Table 1 of Schedule A to this Rule or another CH<sub>4</sub> emission factor accepted by the Scheme Administrator, if the Accredited Abatement Certificate Provider can justify its adoption and document its application

**Equation 13**

Fugitive CH<sub>4</sub> emissions avoided through the use of waste coal mine gas = Energy content of waste methane used as Fossil Fuel x CH<sub>4</sub> conversion factor x 1000 x 21

Where

- *Fugitive CH<sub>4</sub> emissions avoided through the use of waste coal mine gas* is in t CO<sub>2</sub>-e
- *Energy content of waste methane used as Fossil Fuel* (in PJ) is either:
  - actual energy content of the waste methane used as Fossil Fuel; or
  - if it is not possible to identify the actual energy content of the waste methane used as Fossil Fuel, the energy content determined on the assumption that 30% of the total energy content of all Fossil Fuels used (waste methane used as Fossil Fuel and any supplementary fuel used) is converted to Net Sent Out Generation.
- *CH<sub>4</sub> conversion factor* (in kt CH<sub>4</sub>/PJ) is 18 or another conversion factor accepted by the Scheme Administrator, if the Accredited Abatement Certificate Provider can justify its adoption and document its application

**Equation 14**

CH<sub>4</sub> emissions at the point of combustion = Energy content of Renewable Energy Source x CH<sub>4</sub> emission factor x 1000 x 21

Where

- *CH<sub>4</sub> emissions at the point of combustion* is in t CO<sub>2</sub>-e
- *Energy content of Renewable Energy Source* is in PJ. If the actual energy content of the Renewable Energy Source is not known, it can be estimated in a manner accepted by the Scheme Administrator
- *CH<sub>4</sub> emission factor* (in kt CH<sub>4</sub>/PJ) is the factor for that Renewable Energy Source and equipment type in Table 5 of Schedule A to this Rule or another CH<sub>4</sub> emission factor accepted by the Scheme Administrator, if the Accredited Abatement Certificate Provider can justify its adoption and document its application

**Equation 15**

N<sub>2</sub>O emissions at the point of combustion = Energy content of Renewable Energy Source x N<sub>2</sub>O emission factor x 1000 x 310

Where

- *N<sub>2</sub>O emissions at the point of combustion* is in t CO<sub>2</sub>-e
- *Energy content of Renewable Energy Source* is in PJ. If the actual energy content of the Renewable Energy Source is not known, it can be estimated in a manner accepted by the Scheme Administrator
- *N<sub>2</sub>O emission factor* (in kt N<sub>2</sub>O/PJ) is the factor for that Renewable Energy Source and equipment type in Table 5 of Schedule A to this Rule or another N<sub>2</sub>O emission factor accepted by the Scheme Administrator, if the Accredited Abatement Certificate Provider can justify its adoption and document its application

**Equation 16**

Fugitive CH<sub>4</sub> emissions directly avoided through the use of the fuel = Energy content of waste methane used as Renewable Energy Source x CH<sub>4</sub> conversion factor x 1000 x 21

Where

- *Fugitive CH<sub>4</sub> emissions directly avoided through the use of the fuel* is in t CO<sub>2</sub>-e
- *Energy content of waste methane used as Renewable Energy Source* (in PJ) is either:
  - actual energy content of the waste methane used as a Renewable Energy Source; or
  - if it is not possible to identify the actual energy content of the waste methane used as a Renewable Energy Source, the energy content determined on the assumption that Gross Generation less Auxiliary Electricity Use represents 30% of the total energy content of all energy sources used (waste methane used as a Renewable Energy Source and any supplementary energy sources used) is converted to Net Sent Out Generation.
- *CH<sub>4</sub> conversion factor* (in kt CH<sub>4</sub>/PJ) is 18 or another conversion factor accepted by the Scheme Administrator, if the Accredited Abatement Certificate Provider can justify its adoption and document its application

**10.2 Adjustment of Total Greenhouse Gas Emissions for Cogeneration Plant**

For a Cogeneration Plant, the Total Greenhouse Gas Emissions calculated in section 10.1 may be reduced by the amount of notional greenhouse gas emissions avoided (in tonnes of carbon dioxide equivalent) through use of the heat that would otherwise be wasted, calculated using Method 4.

**Method 4**

Step (1) Determine the amount of heat used from the Cogeneration Plant:

- by identifying the amount of heat used from the Cogeneration Plant; or
- if not known, 70% of the energy content of the fuel, less the energy content of the Gross Generation.

Step (2) Identify the appropriate fuel for the notional greenhouse gas emissions avoided as follows:

- If the Cogeneration Plant uses Fossil Fuel, the fuel for the notional greenhouse gas emissions avoided is:
  - (i) if the Cogeneration Plant replaces an existing boiler or there is another boiler also supplying heat to the user of the cogenerated heat, the actual fuel for that boiler; or
  - (ii) in other cases, the main fuel used in the Cogeneration Plant
- If the Cogeneration Plant uses a Renewable Energy Source, the fuel for the notional greenhouse gas avoided is
  - (iii) if there was a pre-existing boiler using Fossil Fuel or Fuels, the pre-existing fuel or a combination of fuels similar to the combination of the fuels displaced; or
  - (iv) if there was no pre-existing boiler using Fossil Fuel but natural gas is available at the site, natural gas; or
  - (v) a Renewable Energy Source.

Step (3) Calculate the amount of notional fuel avoided,

- a) if the notional fuel is a Fossil Fuel

by dividing the amount of heat used from the Cogeneration Plant by:

- (vi) if the fuel for the notional greenhouse gas emissions avoided is natural gas, 0.80;
- (vii) if the fuel for the notional greenhouse gas emissions avoided is coal, 0.70.
- (viii) or otherwise, 0.75; or

b) if the fuel for the notional greenhouse gas emissions avoided is a Renewable Energy Source, zero

Step (4) For the appropriate fuel identified using Step (2) and the amount of notional fuel avoided calculated in Step (3), the notional emissions avoided are calculated in accordance with the equations appropriate to that fuel in section 10.1.



### 10.3 Other waste fuel, waste heat, waste materials, and other waste outputs

10.3.1 This clause 10.3 applies to electricity that is generated from:

- (a) a waste fuel that is otherwise vented or flared, other than those that are dealt with elsewhere in this Rule;
- (b) heat that is otherwise wasted but that is not heat produced by a Cogeneration Plant;
- (c) outputs of industrial processes that would otherwise be wasted, including but not limited to industrial waste steam; or
- (d) waste materials that would otherwise be burned, incorporated in durable products, or landfilled.

Note: Naturally occurring heat sources are dealt with as Renewable Energy. Landfill, sewage and Waste Coal Mine Gas are dealt with under section 10.1.

#### 10.3.2 *Heat that would otherwise be wasted or waste fuel that would otherwise be flared or vented*

If electricity is generated from the burning of a waste fuel that would otherwise be flared or heat that would otherwise be wasted, the *Total Greenhouse Gas Emissions* from that electricity generation are zero.

#### 10.3.3 *Useful organic material*

If organic material that could otherwise be incorporated in durable products is used for electricity generation, the *Total Greenhouse Gas Emissions* from its combustion are to be calculated as if the material were a Fossil Fuel using section 10.1.

#### 10.3.4 *Organic material otherwise placed in landfill*

If organic material that would otherwise be landfilled is used for electricity generation, the *Total Greenhouse Gas Emissions* from its combustion are to be calculated as if the material were a Renewable Energy Source using section 10.1.

#### 10.3.5 *Methane from industrial processes*

If methane from an industrial process, that would otherwise be vented, is used for electricity generation, the *Total Greenhouse Gas Emissions* from its combustion are to be calculated as if the material were Waste Coal Mine Gas using section 10.1.

#### 10.3.6 *Fuel other than methane from industrial processes*

If waste fuel other than methane from an industrial process, that would otherwise be vented, is used for electricity generation, the *Total Greenhouse Gas Emissions* from its combustion are to be calculated as if the material were a Fossil Fuel using section 10.1.

#### 10.3.7 *Other waste fuel, waste heat, waste materials, or waste outputs*

For an energy source from which electricity is generated and to which this section 10.3 applies, the Scheme Administrator may determine the means by which *Total Greenhouse Gas Emissions* are to be calculated using the following principles:

- (a) The calculation of the *Total Greenhouse Gas Emissions* must be consistent with the National Greenhouse Gas Inventory Methodology. Categories of emissions not covered by the National Greenhouse Gas Inventory Methodology cannot be taken into account;

Note: An example of a category of emissions not covered by the National Greenhouse Gas Inventory Methodology is emissions from the spontaneous combustion of waste coal.

- (b) The combustion emissions produced by the Generating System from any energy sources to which this section 10.3 does not apply must also be taken into account; and
- (c) For a Cogeneration Plant, the *Total Greenhouse Gas Emissions* calculated may be reduced by the amount of notional greenhouse gas emissions avoided through use of the waste heat, on the same principles as for Cogeneration Plant using Fossil Fuel or Renewable Energy Sources in section 10.2.

10.3.8 For the purpose of this clause 10.3, the Scheme Administrator will determine whether a material, heat, a fuel, or another waste output to which this clause applies would or could be otherwise used or utilised.

## 11 Definitions and Interpretation

11.1 In this Rule:

“**Auxiliary Electricity Use**” means electricity consumed by the Generating System

“**Cogeneration Plant**” means a Generating System that produces useful heat as well as electricity.

“**Commercial Operation**” means receiving any payment for electricity generated by a Generating System, excluding for electricity generated during periods of testing to meet licence conditions prior to approval to operate.

“**Compliance Rule**” means *Greenhouse Gas Benchmark Rule (Compliance) No. 1 of 2003*.

“**Connection Point**” means an agreed point of electricity supply to a transmission or distribution network, established between the person that operates that network and a Generating System.

“**Emissions Workbook**” means the methodology described in the document entitled *Greenhouse Gas Emissions from Electricity Supplied in NSW: Emissions Workbook* published by the Ministry of Energy and Utilities in October 2000.

“**Fossil Fuel**” means black coal, brown coal, natural gas, fuels derived from petroleum, coal seam methane, or Waste Coal Mine Gas.

“**Generating System**” means a system comprising one or more of the physical generators of electricity and all the related equipment essential to their functioning as single entities.

“**Gross Generation**” means total electricity generated by a Generating System.

“**GGAP**” means the Greenhouse Gas Abatement Program administered by the Australian Greenhouse Office of the Commonwealth.

“**Native Forest Bio-Material**” has the same meaning as in the *Protection of the Environment Operations (General) Amendment (Burning of Bio-Material) Regulation 2003*.

“**Net Generation**” means Gross Generation less Auxiliary Electricity Use for the Generating System.

“**Net Sent Out Generation**” means the amount of electricity supplied to the transmission or distribution network at the Connection Points for the Generating System in question less the electricity supplied to the Generating System from the transmission or distribution network.

“**NGAC**” (New South Wales Greenhouse Abatement Certificate) is a transferable abatement certificate under section 97F of the Act, which is created in accordance with this Rule, the *Greenhouse Gas Benchmark Rule (Demand Side Abatement) No.3 of 2003*, or the *Greenhouse Gas Benchmark Rule (Carbon Sequestration) No.5 of 2003*.

“**NSW Electricity Network**” means the New South Wales electricity transmission and distribution network, as those terms are defined in the National Electricity Code.

“**NSW Production Baseline**” is determined in accordance with section 8 of this Rule.

“**ORER**” means the Commonwealth Office of the Renewable Energy Regulator.

“**Original Deemed Retailer**” has the same meaning as the Deemed Retailer in clause 6.3(a).

“**Power Purchase Agreement**” means the power purchase agreement that gave rise to the classification of the electricity generation of a Generating System as Category A under the Emissions Workbook.

“**REC**” means a renewable energy certificate as defined in s 97AB of the Act.

“**REC Baseline**” is the electricity production baseline assigned to a Generating System by the ORER for the purpose of calculating the number of RECs that may be created under the RE(E) Act or, if the REC Baseline assigned to a Generating System is not provided to the Scheme Administrator, an estimate of the baseline made by the Scheme Administrator from published data using the method prescribed in the RE(E) Act or Regulation.

“**RE(E) Act**” means the *Renewable Energy (Electricity) Act 2000 (Cth)*.

“**Regulations**” means regulations made pursuant to Part 8A of the Act.

“**Renewable Energy Source**” means an *eligible renewable energy sources* under sections 17 (1) and (2) of the RE(E) Act.

“**Scheme Administrator**” is defined in section 97AB of the Act.

“**the Act**” means the Electricity Supply Act 1995.

“**Tribunal**” has the meaning given to it under the Act.

“**Waste Coal Mine Gas**” means coal seam gas drained from mines as an integrated part of coal mining operations.

11.2 Notes in this Rule do not form part of the Rule.

11.3 A reference in this Rule to an entitlement to create a number of NGACs is to be taken as an entitlement to create a lesser number of NGACs.

- 11.4 For the purpose of this Rule the terms and expressions used in this Rule have the same meaning as in the Act or as defined in Part 8A of the Act, except the terms that are expressly defined in this Rule.

## Schedule A - Tables

Table 1: Fugitive Emissions from Coal

State	Class of mine	kg CH <sub>4</sub> /t mined	kg CH <sub>4</sub> /t post-mine	kg CH <sub>4</sub> /t combined
NSW	Underground Class A	10.40	0.77	11.17
	Underground Class B	0.54	0	0.54
	Open Cut	2.17	0	2.17
	Weighted average	3.67	0	3.67
	Coal tailings	0	0	0
Qld	Underground Class B	0.54	0	0.54
	Open Cut	0.81	0	0.81
	Weighted average	0.76	0	0.76
	Coal tailings	0	0	0

Table 2: Fugitive Emissions from Natural Gas

State	kt CO <sub>2</sub> /PJ	kt CH <sub>4</sub> /PJ
All States	2.60	0.089

Table 3: Carbon Dioxide Emission Factors

Fuel Type	Fuel	kt CO <sub>2</sub> /PJ
Coal	Coal used in public electricity generation (ASIC 3611)	92.0
	Coals used in steel industry	93.0
	Black coal used by other industry	90.0
	Brown coal used by industry	88.3
	Coke	119.5
	Coal by-products (gaseous)	37.0
	Coal by-products (coal tar and BTX)	81.0
	Brown coal briquettes	105.0
	Petroleum	Liquefied petroleum gas
Naphtha		66.0
Lighting kerosene		69.7
Power kerosene		69.7
Aviation gasoline		68.0
Aviation turbine fuel		69.7
Heating oil		69.7
Fuel oil		73.6
Automotive diesel oil (ADO)		69.7
Industrial diesel fuel (IDF)		69.7
Refinery fuel		68.1
Other petroleum products		68.6
Solvents		66.0
Lubricants and greases		73.7
Bitumen		80.7
Gaseous	Natural gas - NSW	50.8
	Natural gas - Victoria	51.0
	Natural gas - SA	50.8
	Natural gas - Queensland	51.1
	Natural gas - ACT	50.8
	Town gas (tempered LPG)	59.0
Biomass	Wood and wood waste (dry)	94.0
	Bagasse	96.8

**Table 4: Carbon Dioxide Combustion Factors**

Fossil Fuel	Carbon Dioxide Combustion Factor
black coal	0.990
brown coal	0.990
natural gas	0.995
coal seam methane	0.995
waste coal mine gas	0.995
fuels derived from petroleum	0.990

**Table 5: Methane and Nitrous Oxide Default Emission Factors**

Sector	Fuel	Equipment	Emission Factors	
			kt CH <sub>4</sub> /PJ	kt N <sub>2</sub> O/PJ
Electricity	Black coal	Tangentially fired	0.0009	0.0008
		Pulverised wall	0.0009	0.0008
	Brown coal	Tangentially fired	0.0009	0.0014
		Natural gas <sup>a</sup>	Boiler	0.0001
	Internal combustion		0.2400	0.0001
	Turbine		0.0080	0.0001
	Fuel oil/residual oil	Boiler	0.0008	0.0006
		Internal combustion	0.0040	0.0006
	Distillate/diesel	Boiler	0.0000	0.0006
		Internal combustion	0.0040	0.0006
Turbine		0.0040	0.0006	
Industrial	Black coal	Boiler	0.0013	0.0008
	Natural gas <sup>a</sup>	Boiler	0.0012	0.0001
	Fuel oil	Boiler	0.0008	0.0006
	Residual oil	Boiler	0.0028	0.0006
	Distillate	Boiler	0.0001	0.0006
	Wood	Boiler	0.0042	0.0041
	Bagasse	Boiler	0.0100	0.0041
Commercial	Black coal	Boiler	0.0013	0.0008
	Natural gas <sup>a</sup>	Boiler	0.0011	0.0001
	Residual oil	Boiler	0.0013	0.0006
	Distillate oil	Boiler	0.0006	0.0006
	Wood	Boiler	0.0034	0.0041
Household	Wood	Open fireplace	2.6860	0.0041
	Wood	Closed heater	0.1480	0.0041

a These factors may also apply to waste coal mine gas, landfill gas and sewage gas.

**Table 6: Default Distribution Loss Factors to be used by Retailers**

	<b>Distribution Loss Factor</b>
ACTEWAGL	1.059
Country Energy	1.072
AGLE	1.054
Australian Inland	1.078
CitiPower	1.055
TXU	1.059
Energex	1.057
EnergyAustralia	1.053
Ergon	1.057
Ferrier Hodgson	1.053
Integral	1.055
Origin	1.053
Pulse	1.056
Auspower	1.054
For any other Retailers that are not listed here	1.053

**Table 7: Default Distribution Loss Factors**

	<b>Distribution Loss Factor</b>
Australian Inland (a)	1.087
EnergyAustralia (a)	1.053
Integral (a)	1.055
Country Energy (a)	1.078
NSW (weighted) (b)	1.058
Victoria (b)	1.060
SA (b)	1.068
Queensland (b)	1.058

**Table 8: Default Transmission Loss and Scaling Factors**

<b>State</b>	<b>Transmission Loss Factor</b>	<b>Transmission Scaling Factors</b>
New South Wales	1.026	0.975
Victoria or South Australia	1.026	0.975
Queensland	1.046	0.956

**Table 9: Emissions Intensity Adjustment Factors**

<b>Connection</b>	<b>Emissions Intensity Adjustment Factor</b>
At user site	the Distribution Loss Factor applying at the site  <b>or</b>  the default Distribution Loss Factor for that distribution system from Table 7 in this Schedule
To distribution system	1.0
To transmission system	Transmission Scaling Factor for the State where the Generating System is located from Table 8 in this Schedule



**Schedule B - Category B Generators**

<b>Name</b>	<b>Owner</b>	<b>Type</b>
Vales Point	Delta Electricity	Steam/Coal
Mt Piper	Delta Electricity	Steam/Coal
Wallerawang	Delta Electricity	Steam/Coal
Munmorah	Delta Electricity	Steam/Coal
Eraring	Eraring Energy	Steam/Coal
Brown Mountain (b)	Eraring Energy	Hydro
Burrinjuck (b)	Eraring Energy	Hydro
Hume (b)	Eraring Energy	Hydro
Keepit (b)	Eraring Energy	Hydro
Shoalhaven (b)	Eraring Energy	Hydro/pump storage
Warragamba (b)	Eraring Energy	Hydro
Broken Hill GT	Eraring Energy	Gas turbine
Bayswater	Macquarie Generation	Steam/Coal
Liddell	Macquarie Generation	Steam/Coal
Guthega (a)	Snowy Hydro Trading	Hydro
Tumut 1 (a)	Snowy Hydro Trading	Hydro
Tumut 2 (a)	Snowy Hydro Trading	Hydro
Tumut 3( a)	Snowy Hydro Trading	Hydro
Blowering (a)	Snowy Hydro Trading	Hydro
Murray 1 (a)	Snowy Hydro Trading	Hydro
Murray 2 (a)	Snowy Hydro Trading	Hydro
Redbank	Redbank Power	Steam/Coal

- (a) 71% of the lesser of the actual output or the REC baseline to NSW pool, balance to Vic/SA pool
- (b) Output up to the lesser of the actual output or the REC baseline to the NSW pool

**Schedule C - Category A Generators**

<b>Name</b>	<b>Type</b>	<b>Deemed Retailer</b>
Smithfield, NSW	Gas-fired cogeneration	Integral Energy
Tower, NSW	Waste mine gas	Integral Energy
Appin, NSW	Waste mine gas	Integral Energy
Kembla Grange	Hydro	Integral Energy
Belrose, NSW	Landfill gas	Energy Australia
Foreshore Park, NSW	Photovoltaic cell	Energy Australia
National Innovation Centre, NSW	Photovoltaic cell	Energy Australia
Lucas Heights 1, NSW	Landfill gas	Energy Australia
Corio, Vic	Landfill gas	Origin Energy
Yarrawonga Hydro, Vic	Hydro	Origin Energy
Alfred Hospital, Vic	Gas-fired cogeneration	Origin Energy
Royal Melbourne Hospital, Vic	Gas-fired cogeneration	Origin Energy
St Vincents Hospital, Vic	Gas-fired cogeneration	Origin Energy
Austin Hospital, Vic	Gas-fired cogeneration	Origin Energy
Vansdorf, Vic	Gas-fired cogeneration	AGL
Broadmeadows, Vic	Landfill gas	AGL
Clayton, Vic	Landfill gas	AGL
Springvale, Vic	Landfill gas	AGL
Pedler Creek, SA	Landfill gas	AGL
Tea Tree Gully, SA	Landfill gas	AGL
Wingfield 1, SA	Landfill gas	AGL
Wingfield 2, SA	Landfill gas	AGL
Highbury, SA	Landfill gas	AGL
Browns Plains, Qld	Landfill gas	Energex
Burrundong, NSW	Hydro	Country Energy
Wyangala, NSW	Hydro	Country Energy
Nymboida, NSW	Hydro	Country Energy
Copeton, NSW	Hydro	Country Energy
Oakey, NSW	Hydro	Country Energy
Harwood , NSW	Bagasse	Country Energy
Glenbaun, NSW	Hydro	Energy Australia
Blue Rock Dam, Vic	Hydro	TXU
Cardinia Dam, Vic	Hydro	TXU
Eildon Dam, Vic	Hydro	TXU
Glenmaggie Dam, Vic	Hydro	TXU
William Hovell Dam, Vic	Hydro	TXU
Thompson Dam, Vic	Hydro	TXU
Berwick Power Station	Landfill gas	TXU

**ELECTRICITY SUPPLY ACT 1995****Notice of Approval of Amendment of Greenhouse Gas Benchmark Rule****Greenhouse Gas Benchmark Rule  
(Demand Side Abatement) No. 3 of 2003**

I, Frank Ernest Sartor, Minister for Energy and Utilities, pursuant to section 97K(4) and (5) of the Electricity Supply Act 1995, hereby give notice of approval of amendment to Greenhouse Gas Benchmark Rule (Demand Side Abatement) No. 3 of 2003, the amendments of which are described in Schedule 1 of the notice hereto, and the amended Rule is set out in Schedule 2 of the notice hereto.

The amendment of the Rule takes effect from the date of gazettal.

A copy of the amended Greenhouse Gas Benchmark Rule (Demand Side Abatement) No. 3 of 2003 may also be obtained through the Ministry of Energy and Utility's website at, [www.energy.nsw.gov.au](http://www.energy.nsw.gov.au).

Dated at Sydney, this 3rd day of September 2003.

FRANK ERNEST SARTOR, M.P.,  
Minister for Energy and Utilities

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**SCHEDULE 1****[1] Minister and Title**

Omit "Kimberly Maxwell Yeadon MP Minister for Energy" and insert instead "Frank Ernest Sartor MP Minister for Energy and Utilities"

**[2] Clause 1 Name and Commencement**

2.1 Insert "1 October 2003. At its commencement, this Rule is to be taken as having amended the *Greenhouse Gas Benchmark Rule (Demand Side Abatement) No. 3 of 2003* that commenced on" after "and commences on"

- 2.2 Insert “, to the extent that this Rule differs from that Rule” after “1 January 2003”

**[3] Clause 3 Application of the Rule**

- 3.1 Insert “Without limiting the person to whom this Rule applies,” before “this Rule”
- 3.2 Omit “Activity” after “Demand Side Abatement”

**[4] Clause 5 Eligibility to be an Abatement Certificate Provider in respect of demand side abatement**

- 4.1 Insert in the clause title “Accredited” before “Abatement Certificate Provider”
- 4.2 Insert “Accredited” before “Abatement Certificate Providers”
- 4.3 Omit “a” before “Demand Side Abatement”
- 4.4 Omit “Activity” after “Demand Side Abatement”
- 4.5 Omit “7.1.1” after “defined in clause” and insert “7.1”

**[5] Clause 6 Persons eligible to create NGACs under this Rule**

Insert “Accredited” before “Abatement Certificate Providers”

**[6] Clause 7.1.1 Demand Side Abatement Activity**

- 6.1 Omit “Activity” after “*Demand Side Abatement* in the clause title
- 6.2 Omit clause 7.1.1 and insert:

“7.1 *Demand Side Abatement* is the ongoing operation of the changes implemented by a Demand Side Abatement Project that promotes a reduction in greenhouse gas emissions and is an activity for the purposes of the Act.”

**[7] Clause 7.1.2 Demand Side Abatement**

- 7.1 Insert new clause 7.2
- “7.2 *Demand Side Abatement* does not include any reduction in greenhouse gas emissions prior to 1 January 2003, regardless of the date of *Demand Side Abatement Project* implementation.”
- 7.2 Renumber clause 7.1.2 as “7.3”

- 7.3 Omit in paragraph (b) “before” before “1 January” and insert instead “after”
- 7.4 Omit in paragraph (b) “before 1 January 2002” and insert instead “after 1 January 1997”
- 7.5 Insert in paragraph (b) “validly” before “claimed as”
- 7.6 Insert in clause 7.1.2 (b) “, or;” after “Emissions Workbook”
- 7.7 Renumber clause 7.1.2 (c) as “7.3 (e)”
- 7.8 Insert after paragraph (b):
- “(c) after 1 January 1997 in respect of Generating Systems that generate electricity using Renewable Energy Sources and commenced commercial operation after that date,
  - (d) after 1 July 1997 in respect of Generating Systems having nameplate ratings of 30MW or less that generate electricity using Fossil Fuels”
- 7.9 Renumber paragraph (d) as paragraph (f), paragraph (e) as paragraph (h), and paragraph (f) as paragraph (i)
- 7.10 Insert in new paragraph (e) “or usage of Installations” after “modifying Installations”
- 7.11 Insert after paragraph (f):
- “(g) installing New Installations that consume less electricity than other Installations of the same type;
- 7.12 Omit paragraphs (e) and (f) and insert instead:
- (h) substituting an Installation using other sources of energy for an Installation using electricity, or substituting an Installation using electricity for an Installation using other sources of energy; or
  - (i) substituting electricity from a Generating System for electricity from another source, to supply End User Equipment within the same Site as the Generating System.”

**[8] Clause 7.1.3 Demand Side Abatement does not include**

- 8.1 Renumber clause 7.1.3 as clause “7.4”
- 8.2 Renumber paragraphs “(a)” as “(j)”, “(b)” as “(k)”, “(c)” as “(l)”, “(d)” as “(m)”, and “(e)” as “(n)”

- 8.3 Insert "Projects" in title after "Demand Side Abatement"
- 8.4 Omit in title "does" and insert instead "do" before "not include activities"
- 8.5 Omit in Note after paragraph (j) "Emissions" and insert "Generation" at the end of the sentence before "Rule"
- 8.6 Insert in Note after paragraph (l) "that is eligible to create NGACs or RECs at the point of generation" after "similar schemes"
- 8.7 Insert after paragraph (n):
- “(o) that reduce electricity consumption by reducing the scope or quantity of output or service derived from the use of that electricity in a way that reduces the utility, in an economic sense, of the facility, process, output or process associated with the use of that electricity or otherwise reduce the economic benefit derived from the use of electricity.

Note: Reduced energy consumption not due to specific actions to improve efficiency or other eligible activities do not qualify as Demand Side Abatement Projects. Mild weather, lower output, closing down part of a site, or reducing the quality or quantity of service derived from the use of that electricity do not qualify as Demand Side Abatement Projects.

Where there is confusion, the economic benefit delivered by electricity consumption should be used as a test. For example, enabling energy star features on office equipment or switching off lights in unoccupied areas do not reduce the economic benefit, and so qualify as Demand Side Abatement Projects. Reduced output, outsourcing, or lowering performance (such as restricting security lighting at night) is a reduction in economic benefit, and do not qualify as Demand Side Abatement Projects.”

## **[9] Clause 8 Creation of NGACs from Demand Side Abatement**

- 9.1 Insert in clause 8.1 paragraph (a) "who is:" after "the person"
- 9.2 Insert after paragraph (a):
- “(i) in respect of a Demand Side Abatement Project implemented prior to 1 July 2002, for which a Retail Supplier previously claimed Electricity Sales Foregone that Retail Supplier, or,
- (ii) otherwise contractually liable (or otherwise liable if there is no contract) to pay for the energy consumed by End-User Equipment in the Installation or Site that is the subject of the Demand Side Abatement Project at the time the Demand Side

Abatement Project is implemented for Demand Side Abatement Projects implemented after 1 January 2002; or

Note: Where confusion exists, the abator in (ii) above is the retail or wholesale customer, that is named in the contract, or if no contract exists pays the electricity charges, for electricity charges derived from a meter with a National Meter Identifier (NMI) in the National Electricity Market.”

- 9.3 Insert in paragraph (b) “, to the satisfaction of the Scheme Administrator,” after “a person nominated”
- 9.4 Omit paragraph (b) “Activity” after “Demand Side Abatement”
- 9.5 Insert after paragraph (b):

“Note: Section 97ED(1) of the Act provides that the creation of an NGAC must be registered with the Scheme Administrator for the NGAC to have effect. Section 97ED(4) provides that NGACs are registered with the Accredited Abatement Certificate Provider creating them (that is, the Abator) as the owner.”

**[10] Clause 8.2 Number of NGACs that may be created from Demand Side Abatement**

- 10.1 Omit in the first sentence “Activity” after “Demand Side Abatement”
- 10.2 Insert in paragraph (d) “Emissions” after “Generation”
- 10.3 Omit in paragraph (h) “and” after “the calculation is made;”
- 10.4 Omit in paragraph (i) “excludes” and insert instead “includes only” after “the calculation”
- 10.5 Omit in paragraph (i) “from” after “Greenhouse Gas emissions” and insert instead “attributable to”
- 10.6 Omit in paragraph (i) “non –“ before “stationary”
- 10.7 Insert in paragraph (i) “; and” after “Inventory Methodology”
- 10.8 Insert after paragraph (i):
  - “(j) emissions or emission reductions due to energy sources other than electricity are only included in the calculations in respect of Demand Side Abatement Projects that substitute other energy sources for electricity, or electricity for other energy sources, or are consumed in Generating Systems that supply End-User Equipment within the same Site as the Generating System.”

**[11] Clause 8.3 Creating up to 2000 NGACs at commencement of Demand Side Abatement Activity**

11.1 Omit title and insert “**Creation of up to 2000 NGACs able to be brought forward using Project Impact Assessment Method**”

11.2 Omit Note and insert instead:

“Note: Section 97EC(1) of the Act provides that NGACs may be created after the activity in respect of which it was created takes place.

However, Section 97EC(3) and (4) provides that in certain circumstances, the date Demand Side Abatement is deemed to have occurred can be brought forward. To reduce transaction costs associated with creating NGACs for smaller projects the Abator may elect to bring forward the creation of up to 2000 NGACs.

When all of any Demand Side Abatement previously brought forward to create NGACs in respect of a Demand Side Abatement Project has actually occurred, another tranche of up to 2000 NGACs can be created, up to the lifetime Demand Side Abatement of the project.

This section does not prevent claims for more than 2000 NGACs in respect of abatement that has already occurred. That is, larger projects abating more than 2000 tonnes of CO<sub>2</sub>-e per annum may still claim the entire amount each year, after the abatement has occurred.”

11.3 Omit the paragraph after the Note and insert instead:

“8.3.1 For the purposes of section 97EC of the Act, if the number of NGACs entitled to be created in respect of any single Demand Side Abatement Project is less than 2000 tonnes of carbon dioxide equivalent abated per annum, and the Abator has calculated the Number of NGACs using the Project Impact Assessment Method in clause 9, then the Abator may elect for an amount of Demand Side Abatement determined in accordance with clause 8.3 to be deemed to have occurred on a date determined in accordance with clause 8.3.



- 8.3.2 The maximum number of NGACs that can be created using a deemed date under section 97EC of the Act is the lesser of :
- (a) 2000 tonnes of carbon dioxide equivalent; or
  - (b) the lifetime number of NGACs entitled to be created in respect of an individual Demand Side Abatement Project, where lifetime number of NGACs entitled to be created is determined, to the satisfaction of the Scheme Administrator, with reference to:
    - (i) the number of NGACs that are otherwise eligible to be created over a given period, determined in accordance with this Rule and to the satisfaction of the Scheme Administrator; and
    - (ii) any likely performance degradation of the Installation that will tend to result in greenhouse gas emissions abated in one period being lower than greenhouse gas emissions abated in preceding periods of equal duration; and
    - (iii) the expected lifetime of the Installation, taking into account the characteristics of the equipment, its usage, typical frequency of replacement, and the use of the Site and Installation remaining the same

8.3.3 The date on which the Demand Side Abatement is deemed to occur under clause 8.3.1 is the latter of:

- (a) 1 January 2003; or
- (b) the Implementation Date of the Demand Side Abatement Project; or
- (c) the date on which all of any Demand Side Abatement previously brought forward under clause 8.3.1 to create NGACs in respect of the same Demand Side Abatement Project has actually occurred.”

**[12] Clause 8.4 Adjustment of number of NGACs that may be created for GGAP funded projects**

12.1 Insert in clause 8.4 “Accredited” before “Abatement Certificate Provider”

**[13] Clause 9 Project Impact Assessment Method**

13.1 Insert in the Note in the first paragraph “Accredited” before “Abatement Certificate Provider”

13.2 Insert in the Note after the second paragraph:

“Reduced energy consumption from energy sources other than electricity is only to be used in these calculations where it is a result of a fuel substitution or on-site generation project that is directly related to the Demand Side Abatement Project.”

**[14] Clause 9.1 Number of NGACs under the Project Impact Assessment Method**

14.1 Omit in Equation 2 definitions, second dot point “lower than” after “Demand Side Abatement” and insert instead “different to”

14.2 Omit in Equation 2 definitions, third dot point, second sub-paragraph Emissions Coefficient is: second paragraph “that fuel” and insert instead “the Energy Source and its Application/Usage”

**[15] Clause 9.2 Engineering assessment of Reduced Energy Consumption**

15.1 Insert “Accredited” before “Abatement Certificate Provider”

15.2 Insert in paragraph (b) “Accredited” before “Abatement Certificate Provider”

15.3 Insert in paragraph (c) (i) “thereof that represents the best existing Installation of that type as described in that section,” after “New Installation”

15.4 Omit in paragraph (c) (iv) “Efficiencies” after default and insert “factors”; omit “Table 3” and insert Tables 3a, 3b, or 3c” before “of Schedule A”; and insert “Accredited” before “Abatement Certificate Provider”

**[16] Clause 9.3 Confidence Factor**

16.1 Omit in paragraph (a) “0.95” and insert instead “1.0” before “if the engineering”

16.2 Insert in paragraph (a) (i) “for the Installation” after “hours of operation”; and omit “Installation” before “measurements”

16.3 Insert in paragraph (a) (ii) “for the Installation” before “over time”; and omit “Installation” before “measurements”

16.4 Omit in paragraph (b) “0.9” and insert instead “0.85” before “if the engineering”

- 16.5 Insert paragraph (b) (i) “for the Installation” after “hours of operation”
- 16.6 Insert in paragraph (b) (ii) “for the Installation” before “over time”; and omit “Installation” before “records”
- 16.7 Insert paragraph “(c) 0.8” and omit paragraphs (c) to (g):

**[17] Clause 9.4 New Installations other than Office Buildings to be better than best existing installation**

- 17.1 Omit “8” and insert instead “8.2” after “under clause”
- 17.2 Insert “Accredited” before “Abatement Certificate Provider”
- 17.3 Omit paragraphs (d) and (e)

**[18] Clause 10 Metered Baseline Method**

- 18.1 Insert in the Note, “Project” after “Demand Side Abatement”
- 18.2 Insert in the Note after the second paragraph:

“The Metered Baseline Method relies on the remainder of the site operating as it did before the Demand Side Abatement Project was implemented. Where changes other than the Demand Side Abatement Project will affect metered consumption, the results will not reasonably reflect the abatement due to the Demand Side Abatement Project, and NGACs cannot be created using the Metered Baseline Method. Consequently, the Metered Baseline Method should not be used where changes other than the DSA Project have taken place during the baseline period, or are anticipated during the life of the Demand Side Abatement Project for which NGACs will be claimed. This does not prevent additional Demand Side Abatement Projects at the same site from being implemented and assessed against the original baseline.”

- 18.3 Omit in paragraph (a) “10.3” and insert “10.5”
- 18.4 Omit in paragraph (b) “10.4” and insert “10.6”
- 18.5 Omit in paragraph (c) “10.5” and insert “10.7”
- 18.6 Omit in paragraph (d) “10.6” and insert “10.8”
- 18.7 Insert after paragraph (d) “Accredited” before “Abatement Certificate Provider”
- 18.8 Renumber clause “10.3” as “10.5”
- 18.9 Insert after clause 10.2:

“10.3 The period over which any baseline is determined under this clause 10, using energy measurements before implementation of the Demand Side Abatement Project, must include 1 or more periods preceding the implementation of the Demand Side Abatement Project, but after 1 January 1997, excluding any time periods that are not representative of normal operating Site consumption due to factors including plant shutdown or major maintenance. The time periods used to determine the baseline must be acceptable to the Scheme Administrator.

10.4 The Abatement Certificate Provider may use utility meters or other metering equipment acceptable to the Scheme Administrator.

Note: Sub-metering may be used to effectively reduce the size of the Site considered for baseline calculations, thereby increasing abatement relative to the baseline and hence the confidence factor.”

**[19] Clause 10.3 Baseline per unit of output**

19.1 Renumber clause 10.3 as “10.5”

19.2 Insert in the Note after the first paragraph:

“Increased or decreased consumption of energy sources other than electricity should only be included where the change in the consumption of that energy source is directly related to the Demand Side Abatement Project (that is for fuel substitution and generation projects). Reductions in consumption of other sources of energy that are not related to projects that primarily reduce emissions from electricity consumption are not included.”

19.3 Omit in paragraph (c) “Energy Consumption” before “Baseline” and insert instead “Variable Energy”; and insert “and” after “was measured”

19.4 Insert after paragraph (c):

“(d) the *Variable Energy Baseline* is calculated using data from periods immediately preceding the implementation of the Demand Side Abatement Project, up to a maximum of 5 years, but after 1 January 1997, and excluding any periods after the implementation of the Demand Side Abatement Project that are not representative of long term site consumption due to factors including plant shutdown or major maintenance. Where this is not possible, due to data unavailability or other reasons, a baseline may be set using other periods acceptable to the Scheme Administrator.”

19.5 Insert in clause 10.5 Method 1, Step (1) “acceptable to the Scheme Administrator” after “*Measurement Period*”

- 19.6 Renumber paragraph Method 1, Step (1) (a) as “(e)”
- 19.7 Renumber paragraph Method 1, Step (1) (b) as “(f)”
- 19.8 Omit in clause 10.5 Method 1, Step (2A), first dot point “and” after “plant downtime” and insert “or estimated or determined mathematically from multiple periods;”
- 19.9 Insert in clause 10.5 Method 1, Step (2A) after the first dot point:
- “a reasonable reflection of the consumption unaffected by output, and will lead to emissions abated calculations that are reasonable, and”
- 19.10 Omit in Method 1 after Step (2A) and insert:

“Step (2B)

Calculate *Variable Consumption*<sub>Tb</sub> (in MWh / unit of output or GJ / unit of output) for *n* time periods *Tb*:

$$(\text{Total Consumption}_{Tb} - \text{Fixed Energy Consumption}) / \text{Output}_{Tb}$$

Where:

- *Tb* is a number between 1 and *n* that denotes a particular time period, prior to implementation of the Demand Side Abatement Project, the duration of which is equal to the Measurement Period
- *Total Consumption*<sub>Tb</sub> (in MWh or GJ) is the consumption of energy source, *S*, for the Site measured by metering that consumption over mutually exclusive time periods, *Tb*
- *Output*<sub>Tb</sub> is the number of units of output during each time period *Tb*
- *n* is the number of time periods, *Tb*, before Demand Side Abatement, and must be at least 1

Step (2C) Calculate Variable Energy Baseline:

$$\left\{ \sum_{T=1}^n \text{Variable}_{Tb} \right\} / n$$

Step (2D) Calculate *Baseline Variability*, which is the unexplained variance in the baseline, as:

- where  $n > 2$ :

$$\text{Baseline Variability} = (\text{maximum Variable Consumption}_{\text{All } Tb} - \text{minimum Variable Consumption}_{Tb}) / 2$$

- where  $n \leq 2$ :

Baseline Variability = 10% of Variable Energy Baseline

Where:

- All  $T_b$  is the whole of the period over which the Variable Energy Baseline is calculated, denoted by  $T_b = 1$  to  $T_b = n$ .

Step (2E) Calculate Reduced Energy Consumption (in MWh or GJ):

$(\text{Output}_{T_a} \times \text{Variable Energy Baseline} + \text{Fixed Energy Consumption}) - \text{Total Consumption}_{T_a}$

Where:

- Reduced Energy Consumption is in MWh or GJ
- *Total Consumption<sub>T<sub>a</sub></sub>* (in MWh or GJ) is the consumption of energy source, S, for the Site measured by metering that consumption over a time period  $T_a$  that is after the Demand Side Abatement and the duration of which is equal to the Measurement Period
- $\text{Output}_{T_a}$  is the number of units of output during the time period  $T_a$ .

Step (2F) Calculate *Confidence Factor*:

If Reduced energy consumption is  $>0$ , as:

$1 - (\text{Baseline Variability} \times \text{Output}_{T_a} / \text{Reduced Energy Consumption})$

If Reduced energy consumption is  $<0$ , as:

$1 + (\text{Baseline Variability} \times \text{Output}_{T_a} / \text{Reduced Energy Consumption})$

Step (2G) Calculate *Emissions Abated<sub>s</sub>*:

$\text{Emissions Abated}_s = \text{Reduced Energy Consumption} \times \text{Confidence Factor} \times \text{Emissions Coefficient}_s$

Where:

- *Emissions Coefficient<sub>s</sub>* is:
  - for electricity, the NSW Pool Coefficient determined by the Tribunal in accordance with the Compliance Rule. For electricity supplied from the distribution rather than from the transmission network, this is to be multiplied by

Average Distribution Loss Factor set out in Table 4 of Schedule A to this Rule; or

- for other energy sources, the Carbon Dioxide Emissions Factor for that Energy Source and its Application/Usage set out in Table 2 of Schedule A to this Rule or another value acceptable to the Scheme Administrator.

Step (3) Calculate Number of NGACs (in t CO<sub>2</sub>e):

If  $\text{Emissions Abated}_s \geq 0$ :

Number of NGACs =  $\frac{\text{Emissions Abated}_s}{s}$

or

If  $\text{Emissions Abated}_s < 0$ :

Number of NGACs = 0"

**[20] Clause 10.4 Baseline unaffected by output**

20.1 Renumber clause 10.4 as "10.6"

20.2 Omit in the first paragraph after the Note and insert:

*"Number of NGACs may be calculated using **Method 2**, provided that*

- (a) the consumption of all energy sources for the Site is independent of output; and
- (b) the Energy Baseline is calculated using data from periods immediately preceding the installation of the Demand Side Abatement Project, to a maximum duration of 5 years, but after 1 January 1997, and excluding any periods that are not representative of long term site consumption due to factors including plant shutdown or major maintenance. Where this is not possible, due to data unavailability or other reasons, a baseline may be set using other periods acceptable to the Scheme Administrator."

## 20.3 Omit Method 2 and insert:

**“Method 1**Step (1)

Select a *Measurement Period* acceptable to the Scheme Administrator, that will be the duration of time over which all measurements in this Method will be taken and that is:

- (a) a minimum of one day and a maximum of one year; and
- (b) if there is a regular cycle to the consumption of energy sources on the Site, an integer multiple of the period of that cycle.

Step (2) Determine *Emissions Abated<sub>s</sub>* for each energy source, S, affected by the Demand Side Abatement by repeating Steps (2A) to (2E) for each energy source.

Step (2A) Calculate Energy Baseline:

**{Error! Objects cannot be created from editing field codes. Total Consumption<sub>Tb</sub> / n**

Where:

- Tb is a number between 1 and n that denotes a period of time the duration of which is equal to the Measurement Period, before the implementation of the Demand Side Abatement Project
- *Total Consumption<sub>Tb</sub>* (in MWh or GJ) is the consumption of energy source, S, for the Site measured by metering that consumption over mutually exclusive time periods, Tb, before the Demand Side Abatement
- n is the number of time periods, Tb, before Demand Side Abatement, and n must be at least 1

Step (2B) Calculate *Baseline Variability*, which is the variance in the baseline, as:

- where n > 1:

$$\text{Baseline Variability} = (\text{maximum Total Consumption}_{\text{All Tb}} - \text{minimum Total Consumption}_{\text{All Tb}}) / 2$$

- where n = 1:

$$\text{Baseline Variability} = 10\% \text{ of Energy Baseline}$$

Where:

- All Tb is the whole of the period over which the Variable Energy Baseline is calculated, denoted by Tb = 1 to Tb = n.



Step (2C) Calculate *Reduced Energy Consumption* (in MWh or GJ):

Energy Baseline - Total Consumption<sub>Ta</sub>

Where:

- *Reduced Energy Consumption* is in MWh or GJ
- *Total Consumption<sub>Ta</sub>* (in MWh or GJ) is the consumption of energy source, S, for the Site measured by metering that consumption over a time period Ta that is after the Demand Side Abatement and the duration of which is equal to the Measurement Period

Step (2D) Calculate *Confidence Factor*:

If Reduced energy consumption >0:

1 - (Baseline Variability / Reduced Energy Consumption)

If Reduced energy consumption <0:

1 + (Baseline Variability / Reduced Energy Consumption)

Step (2E) Calculate *Emissions Abated<sub>s</sub>*:

Reduced Energy Consumption x Confidence Factor x  
Emissions Coefficient<sub>s</sub>

Where:

- *Emissions Coefficient<sub>s</sub>* is:
  - for electricity, the NSW Pool Coefficient determined by the Tribunal in accordance with the Compliance Rule. For electricity supplied from the distribution rather than from the transmission network, this is to be multiplied by Average Distribution Loss Factor set out in Table 4 of Schedule A to this Rule; or
  - for other energy sources, the Carbon Dioxide Emissions Factor for that Energy Source and its Application/Usage set out in of Schedule A to this Rule or another value acceptable to the Scheme Administrator.

Step (3) Calculate *Number of NGACs* (in t CO<sub>2</sub>e):

If  $\text{Emissions Abated}_s \geq 0$ :

$\text{Number of NGACs} = \frac{\text{Emissions Abated}_s}{s}$

or

If  $\text{Emissions Abated}_s < 0$ :  
 $\text{Number of NGACs} = 0$

**[21] Clause 10.5 Normalised baselines**

- 21.1 Renumber clause 10.5 as “10.7”
- 21.2 Omit in second paragraph of the Note “A, B, or” after “Option”
- 21.3 Omit “the *Normalisation Variables* in respect of which the *Total Consumption Before* is normalised are variables corresponding to factors that are a reason for change in *Total Consumption Before*” after “using Method 3, provided that”
- 21.4 Insert in clause 10.5, after the paragraph following the Note:
- “(a) the *Normalisation Variables* in respect of which the *Total Consumption* is normalised are variables corresponding to factors that are a reason for change in *Total Consumption*; and
  - (b) the *Normalised Energy Baseline* is calculated using data from periods immediately preceding the installation of the Demand Side Abatement Project, to a maximum duration of 5 years, but after 1 January 1997, and excluding any periods that are not representative of long term site consumption due to factors including plant shutdown or major maintenance. Where this is not possible, due to data unavailability or other reasons, a baseline may be set using other periods acceptable to the Scheme Administrator.”
- 21.5 Omit Method 3 and insert:

**“Method 2**

Step (1)

Select a *Measurement Period* acceptable to the Scheme Administrator, that will be the duration of time over which all measurements in this Method will be taken and that is:

- (a) a minimum of one day and a maximum of one year; and
- (b) if there is a regular cycle to the consumption of energy sources on the Site, an integer multiple of the period of that cycle.

Step (2) Determine *Emissions Abated<sub>s</sub>* for each energy source, S, affected by the Demand Side Abatement by repeating Steps (2A) to (2F) for each energy source.

Step (2A) Calculate *Normalised Consumption<sub>Tb</sub>* (in MWh or GJ) for n time periods  $T_b$  by normalising the Total Consumption <sub>$T_b$</sub>  to determine the consumption that would have occurred for period  $T_b$  had the conditions at time  $T_a$  existed, using:

- (a) a set of normalisation coefficients, which are one or more coefficients calculated to account for the variation in Total Consumption Before<sub>T</sub> per unit of change for each corresponding Normalisation Variable used in (b); and
- (b) a set of values, which are the difference between the values of the Normalisation Variables for each time period  $T_b$ , and the values of the Normalisation Variables for one time period  $T_a$ , determined by measurements or other data sources.

Where:

- $T_b$  is a number between 1 and n that denotes a period of time before the implementation of the Demand Side Abatement Project, the duration of which is equal to the Measurement Period
- $T_a$  denotes a period of time after the implementation of the Demand Side Abatement Project for which NGACs are being calculated, the duration of which is equal to the Measurement Period.
- *Total Consumption<sub>Tb</sub>* (in MWh or GJ) is the consumption of energy source, S, for the Site measured by metering that consumption over mutually exclusive time periods, T, before the Demand Side Abatement
- n is the number of time periods,  $T_b$ , before Demand Side Abatement, and n must be at least 1
- *Normalisation Variables* are the variables in respect of which the Total Consumption <sub>$T_b$</sub>  is normalised and must correspond to factors that are a reason for change in Total Consumption <sub>$T_b$</sub>

Step (2B) Calculate Normalised Energy Baseline:

$$\left\{ \sum_{T=1}^n \text{Normalised Consumption}_{Tb} \right\} / n$$

Step (2C) Calculate *Baseline Variability*, which is the unexplained variance in the baseline, as:

- where  $n > 1$ :

$$\text{Baseline Variability} = (\text{maximum Normalised Consumption}_{\text{All } Tb} - \text{minimum Normalised Consumption}_{\text{All } Tb}) / 2$$

- where  $n = 1$ :

$$\text{Baseline Variability} = 5\% \text{ of Normalised Energy Baseline}$$

Where:

- All  $Tb$  is the whole of the period over which the Variable Energy Baseline is calculated, denoted by  $Tb = 1$  to  $Tb = n$ .

Step (2D) Calculate *Reduced Energy Consumption* (in MWh or GJ):

$$\text{Normalised Energy Baseline} - \text{Total Consumption}_{Ta}$$

Where:

- *Reduced Energy Consumption* is in MWh or GJ
- *Total Consumption<sub>Ta</sub>* (in MWh or GJ) is the consumption of energy source, S, for the Site measured by metering that consumption over a time period  $Ta$  that is after the Demand Side Abatement and the duration of which is equal to the Measurement Period

Step (2E) Calculate *Confidence Factor*:

Where Reduced Energy Consumption  $> 0$ :

$$1 - (\text{Baseline Variability} / \text{Reduced Energy Consumption})$$

Where Reduced Energy Consumption  $< 0$ :

$$1 + (\text{Baseline Variability} / \text{Reduced Energy Consumption})$$

Step (2F) Calculate *Emissions Abated<sub>s</sub>*:

Reduced Energy Consumption x Confidence Factor x  
Emissions Coefficient<sub>s</sub>

Where:

- *Emissions Coefficient<sub>s</sub>* is:
  - for electricity, the NSW Pool Coefficient determined by the Tribunal in accordance with the Compliance Rule. For electricity supplied from the distribution rather than from the transmission network, this is to be multiplied by Average Distribution Loss Factor set out in Table 4 of Schedule A to this Rule; or
  - for other energy sources, the Carbon Dioxide Emissions Factor for that Energy Source and its Application/Usage set out in Table 2 of Schedule A to this Rule or another value acceptable to the Scheme Administrator.

Step (3) Calculate *Number of NGACs* (in t CO<sub>2</sub>e):

If  $Emissions\ Abated_s \geq 0$ :

$Number\ of\ NGACs = Emissions\ Abated_s$

or

If  $Emissions\ Abated_s < 0$ :

$Number\ of\ NGACs = 0$

**[22] Clause 10.6 Office Building Australian Building Greenhouse Rating Scheme baseline**

22.1 Renumber clause 10.6 as “10.8”

22.2 Omit Method 4 and insert:

**“Method 3**

Step (1)

The *Measurement Period* is the duration of time over which all measurements in this Method will be taken and is twelve months.

Step (2) Normalised Emissions Baseline (in kg CO<sub>2</sub>-e / m<sup>2</sup>) is:

- (a) for a new Office Building, the normalised emissions per unit of area that is the threshold for achieving an ABGR

4 star rating or the minimum ABGR rating required for the Office Building by a consent authority, as that term is defined in the Environmental Planning and Assessment Act 1979, corrected to use instead of the ABGR default emission factor, the current NSW Pool Coefficient determined by the Tribunal in accordance with the Compliance Rule. For electricity supplied from the distribution rather than from the transmission network, this is to be multiplied by Average Distribution Loss Factor set out in Table 4 of Schedule A to this Rule; **or**

(b) for an existing Office Building, calculated as

$$\left\{ \sum_{T=1}^n \text{Normalised Emissions}_{Tb} \right\} / n$$

Where:

- Tb is a number between 1 and n that denotes a period of time before the implementation of a Demand Side Abatement Project the duration of which is equal to the Measurement Period
- *Normalised Emissions<sub>Tb</sub>* (in kg CO<sub>2</sub>-e / m<sup>2</sup>) is for the Site the normalised emissions per unit of area, over mutually exclusive time periods, Tb, before Demand Side Abatement, determined under the ABGR modified to use:
  - for all electricity including Green Power as that term is used in the National Green Power Accreditation Program, the NSW Pool Coefficient determined by the Tribunal in accordance with the Compliance Rule. For electricity supplied from the distribution rather than from the transmission network, this is to be multiplied by Average Distribution Loss Factor set out in Table 4 of Schedule A to this Rule; **or**
  - for other energy sources, the Carbon Dioxide Emissions Factor for that Energy Source and its Application/Usage set out in of Schedule A to this Rule or another value acceptable to the Scheme Administrator.
- n is the number of time periods, Tb, before Demand Side Abatement, and n must be at least 1.

Step (3) Baseline Variability, which is the unexplained variance in the baseline, is:

- (a) for a new Office Building, 0; **or**
- (b) for an existing Office Building, calculated using:

where  $n > 1$ :

Baseline Variability = (maximum Normalised Emissions<sub>All Tb</sub> – minimum Normalised Emissions<sub>All Tb</sub>) / 2

where  $n = 1$ :

Baseline Variability = 5% of Normalised Emissions Baseline

Step (4) Calculate the *Emissions Abated* as:

Normalised Emissions Baseline - Normalised Emissions<sub>Ta</sub>

Where:

- *Emissions Abated* is in kg CO<sub>2</sub>-e / m<sup>2</sup>
- *Normalised Emissions<sub>Ta</sub>* (in kg CO<sub>2</sub>-e / m<sup>2</sup>) is for the Site the normalised emissions per unit of area, for a time period Ta after Demand Side Abatement and the duration of which is equal to the Measurement Period, determined under the ABGR modified to use:
  - for all electricity including greenpower as that term is used in the ABGR, the NSW Pool Coefficient determined by the Tribunal in accordance with the Compliance Rule. For electricity supplied from the distribution rather than from the transmission network, this is to be multiplied by Average Distribution Loss Factor set out in Table 4 of Schedule A to this Rule; or
  - for other energy sources, the Carbon Dioxide Emissions Factor for that Energy Source and its Application/Usage set out in of Schedule A to this Rule or another value acceptable to the Scheme Administrator.

Step (5) Calculate Confidence Factor:

1 - (Baseline Variability x Baseline Length Factor / Emissions Abated)

Where:

- *Baseline Length Factor* is set out in Table 5 of Schedule A.

Step (6) Calculate *Number of NGACs* (in t CO<sub>2</sub>e):

If Emissions Abated  $\geq 0$ :

*Number of NGACs* = Emissions Abated x Net Lettable Area<sub>Ta</sub> x (Gross Emissions<sub>Ta</sub> / Normalised Emissions<sub>Ta</sub>) x Confidence Factor / 1000

or

If Emissions Abated x Net Lettable Area<sub>Ta</sub> x (Operating Hours<sub>Ta</sub> / 50) x Confidence Factor < 0:

*Number of NGACs* = 0

Where:

- *Net Lettable Area<sub>Ta</sub>* (in m<sup>2</sup>) is the occupied net lettable area of the building determined in accordance with the ABGR for the period Ta
- *Gross Emissions<sub>Ta</sub>* (in kg CO<sub>2</sub>e / m<sup>2</sup>) is the uncorrected greenhouse gas emissions for the period Ta”

### [23] Clause 11 Default Abatement Factors Method

23.1 Insert in the Note after “motors” “A program of multiple installations of the same type is considered a single Demand Side Abatement Project.”

23.2 Insert in paragraph (a) “or an equivalent replacement” after “the Installation”; and omit “remains” after “once installed” and insert instead “is of such a nature and installed in such a manner that it would ordinarily remain”

23.4 Insert after clause 11.1.2:

“11.3 Where Number of NGACs is calculated using the Default Abatement Factors Method in this clause 11, for the purpose of creating NGACs, the Demand Side Abatement that is the subject of that calculation is deemed to have taken place when the relevant Installation or Installations have been installed.”

23.5 Omit in **Equation 3** definitions, second dot point “an” after “quantity of” and insert instead “a certain type of”

23.6 Omit in **Equation 3** definitions, third dot point “the” after “corresponding to” and insert instead “that type of”



**[24] Clause 12 Generation Emissions**

24.1 Omit in clause 12.2, **Equation 5** the formula and insert instead:

“Eligible Generation = Self Generated Site Use - RECs Created x (Self Generated Site Use / Gross Generation)”

24.2 Omit in clause 12.2, **Equation 5** definitions, second dot point “Generation consumed on Site” at beginning of sentence and insert “Self Generated Site Use”

24.3 Omit in clause 12.2, **Equation 5** definitions, fourth dot point “Total Output of Generating System” at the beginning of the sentence and insert “Gross Generation”; insert “less any ancillary loads” after “Generating System”; and insert in the first sub-paragraph “net” after “the metered”

24.4 Insert after clause 12.2, **Equation 6**:

“12.3 Using the Generation Emissions Method, in addition to the number of NGACs in clause 12.2 the Abator may create NGACs from that portion of electricity which is used on site which is:

- (a) generated using landfill gas or sewage gas or cogeneration from renewable sources according to, and as if it were the Generator referred to in section 9.5 of the Generation Rule; or
- (b) from cogeneration from fossil fuels according to section 10.2 of the Generation Rule.”

**[25] Clause 13 Definitions and Interpretations**

25.1 Insert “**Demand Side Abatement Project**” has the meaning given to it in Clause 7.”

25.2 Insert “**Fossil Fuel**” means coal seam gas drained from mines as an integrated part of coal mining operations, black coal, brown coal, natural gas, fuels derived from petroleum, or coal seam methane.”

25.3 Insert “**Implementation Date**” means the date on which the reduction in greenhouse gas emissions resulting from a project commences.”

25.4 Insert in “**Installation**” definition “including the equipment directly consuming energy, and other equipment that is part of the same process or system that causes or controls the consumption of energy.” after “energy consuming equipment, processes, or systems”

- 25.5 Insert “**New Installations**” means Installations where no such Installations were previously in place.”
- 25.6 Insert “**NSW Electricity Network**” means the New South Wales electricity transmission and distribution networks, as those terms are defined in the National Electricity Code.”
- 25.7 Insert “**ORER**” means the Commonwealth Office of the Renewable Energy Regulator.”
- 25.8 Insert “**Renewable Energy Source**” means an eligible renewable energy source under sections 17(1) and (2) of the RE(E) Act.”
- 25.9 Insert in the definition of “**Site**” after “meter” “This includes utility meters allocated a National Meter Identifier (NMI) under the National Electricity Code, and other meters or logging devices measuring a part of this site, and approved by the Scheme Administrator.”
- 25.10 Insert after the definition of “**Site**”:

“Note: Meters other than utility meters that measure part of the consumption of a Site can be used to “sub-meter” consumption related to Demand Side Abatement. In this case, the Site would become only that part of the installation that has its consumption recorded by that meter, provided it meets the requirement of the Scheme Administrator.

Meters other than “utility” meters (those allocated a NMI) can only be used to sub-meter loads within an individual Site, not aggregate several Sites.”

## [26] Schedule A

- 26.1 Omit in Table 1 Default Emissions Abatement Factors under “Installation” column, row 1 “Gas hot water system replacing an electrical hot water system” and insert instead:  
“Gas storage or instantaneous hot water system (not solar) replacing an existing electric hot water system (not solar)”
- 26.2 Insert after row 1 in Table:

Gas boosted solar hot water system replacing an electric hot water system (not solar). Additional NGACs for non-solar water heating (solar contribution is claimable as RECs)	8	6
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- 26.3 Omit in Table 1 “Showerhead” row and insert instead:

Showerhead that has a AAA rating (that is consuming less than 9 L water / minute at a water pressure of 250 kPa), connected to a hot water system using electricity as its energy source.	7	4.5
Showerhead that has a AAA rating (that is consuming less than 9 L water / minute at a water pressure of 250 kPa), connected to a hot water system which could be using either electricity or natural gas as an energy source.	7	3.5

- 26.4 Omit in Table 2 in the first column heading "Fuel Type" and insert instead "Energy Source"
- 26.5 Omit in Table 2 in the second column heading "Fuel" and insert instead "Application Usage"
- 26.6 Renumber Table 3 Default Efficiencies as "Table 3a"
- 26.7 Insert in Table 3 second column heading "type" after "Device"
- 26.8 Insert after Table 3a:

**"Table 3b: Default Efficiency Improvements for High Efficiency Motors"**

Rating of HEM	Default lifetime (years)	Default efficiency improvement
High Efficiency Motor of less than 3 kW	7	8% of the annual electricity consumption of the motor
High Efficiency Motor of 3-7.5 kW	7	5% of the annual electricity consumption of the motor
High Efficiency Motor of 11-37 kW	7	2.5% of the annual electricity consumption of the motor
High Efficiency Motor of 45-90 kW	7	1.5% of the annual electricity consumption of the motor
High Efficiency Motor of 110-185 kW	7	1% of the annual electricity consumption of the motor

In this table:

**"High Efficiency Motor"** means a motor meeting the High Efficiency levels specified in Australian Standard / New Zealand Standard 1359.5

**Table 3c: Default loss savings from Power Factor Correction at end-user's premises**

<b>Size of PFC installation covered by this default formula</b>	<b>Default lifetime</b>	<b>Annual energy saving</b>
Power Factor Correction of less than 1000 kVAR installed at an end-user Site	7	0.06 MWh pa per kVAR installed

26.9 Insert after Table 4:

**Table 5: Baseline Length Factor**

<b>Number of Years of baseline data</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>
Baseline length factor	1.00	1.00	0.85	0.75	0.70

## SCHEDULE 2

### Greenhouse Gas Benchmark Rule (Demand Side Abatement) No. 3 of 2003

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Frank Ernest Sartor, MP  
Minister for Energy and Utilities

#### 1 Name and commencement

This rule is the *Greenhouse Gas Benchmark Rule (Demand Side Abatement) No. 3 of 2003* and commences on 3 October 2003. At its commencement, this Rule is to be taken as having amended the *Greenhouse Gas Benchmark Rule (Demand Side Abatement) No. 3 of 2003* that commenced on 1 January 2003, to the extent that this Rule differs from that Rule.

#### 2 Objects of the Rule

The object of this Rule is to provide specific arrangements for the creation and calculation of New South Wales Greenhouse Abatement Certificates (NGACs) where Greenhouse Gas emissions are reduced through increased efficiency of electricity consumption, eligible on-site electricity generation, and substitution of sources of energy for electricity or substitution of electricity for other sources of energy. The Rule aims to reduce Greenhouse Gas emissions through measures associated with the demand for electricity.

#### 3 Application of the Rule

Without limiting the person to whom this Rule applies, this Rule applies to Abatement Certificate Providers accredited to create NGACs in respect of a Demand Side Abatement in accordance with Part 8A Division 4 of the Act, the Regulations, and this Rule.

#### 4 Status and Operation of the Rule

This Rule is a Greenhouse Gas Benchmark Rule made under Part 8A of the Act.

#### 5 Eligibility to be an Accredited Abatement Certificate Provider in respect of Demand Side Abatement

The Scheme Administrator may accredit Abators, as that term is defined in clause 8.1, as Accredited Abatement Certificate Providers in respect of Demand Side Abatement, as that term is defined in clause 7.

#### 6 Persons eligible to create NGACs under this Rule

Despite any other provision in this Rule only Accredited Abatement Certificate Providers accredited for the purpose set out in clause 5 may create NGACs under this Rule.

#### 7 Activities that constitute Demand Side Abatement

- 7.1 *Demand Side Abatement* is the ongoing operation of the changes implemented by a Demand Side Abatement Project that promotes a reduction in greenhouse gas emissions and is an activity for the purposes of the Act.

7.2 *Demand Side Abatement* does not include any reduction in greenhouse gas emissions prior to 1 January 2003, regardless of the date of *Demand Side Abatement Project* implementation.

7.3 *Demand Side Abatement Project* is a project implemented in New South Wales:

- (a) after 1 January 2002; or
- (b) after 1 January 1997 in respect of an activity that was validly claimed as Electricity Sales Foregone under the Emissions Workbook; or
- (c) after 1 January 1997 in respect of Generating Systems that generate electricity using Renewable Energy Sources and commenced commercial operation after that date,
- (d) after 1 July 1997 in respect of Generating Systems having nameplate ratings of 30MW or less that generate electricity using Fossil Fuels

that results in reduced Greenhouse Gas emissions compared with the Greenhouse Gas emissions without that project by:

- (e) modifying Installations or usage of Installations resulting in a reduction in the consumption of electricity compared to what would have otherwise been consumed;
- (f) replacing Installations with other Installations that consume less electricity;
- (g) installing New Installations that consume less electricity than other Installations of the same type;
- (h) substituting an Installation using other sources of energy for an Installation using electricity, or substituting an Installation using electricity for an Installation using other sources of energy; or
- (i) substituting electricity from a Generating System for electricity from another source, to supply End User Equipment within the same Site as the Generating System.

7.4 Demand Side Abatement Projects do not include activities:

- (j) for which parties can be accredited to create NGACs under the Generation Rule;

Note: Where part of the electricity generated is exported to the Electricity Network and part is consumed on-site by End-User Equipment, only that part that is consumed on-site is eligible to create NGACs under this Rule. The portion of electricity generated that is exported to the Electricity Network is separately eligible to create NGACs under the Generation Rule.

- (k) for which persons can be accredited to create LUACs under the LUAC Rule;
- (l) where reduced Greenhouse Gas emissions are promoted only because of the purchase of electricity;

- (i) represented by the supplier to be connected with the generation of electricity from a particular energy source; and
- (ii) supplied from the NSW Electricity Network;

Note: This is intended to exclude from this Rule the creation of NGACs because of the purchase of electricity under “Green Power” accredited or similar schemes that is eligible to create NGACs or RECs at the point of generation.

- (m) within the NSW Electricity Network to reduce losses in the distribution or transmission of electricity; or

Note: No Rules covering reduced losses in the NSW Electricity Network from activities within the NSW Electricity Network are being developed at this stage. Reduced losses from Demand Side Abatement by improving the power factor of a Site can be claimed using the Project Impact Assessment Method in clause 9.

- (n) to install solar hot water heating systems that are eligible to create RECs.
- (o) that reduce electricity consumption by reducing the scope or quantity of output or service derived from the use of that electricity in a way that reduces the utility, in an economic sense, of the facility, process, output or process associated with the use of that electricity or otherwise reduce the economic benefit derived from the use of electricity.

Note: Reduced energy consumption not due to specific actions to improve efficiency or other eligible activities do not qualify as Demand Side Abatement Projects. Mild weather, lower output, closing down part of a site, or reducing the quality or quantity of service derived from the use of that electricity do not qualify as Demand Side Abatement Projects.

Where there is confusion, the economic benefit delivered by electricity consumption should be used as a test. For example, enabling energy star features on office equipment or switching off lights in unoccupied areas do not reduce the economic benefit, and so qualify as Demand Side Abatement Projects. Reduced output, outsourcing, or lowering performance (such as restricting security lighting at night) is a reduction in economic benefit, and do not qualify as Demand Side Abatement Projects.

## 8 Creation of NGACs from Demand Side Abatement

### 8.1 The Abator

The *Abator* is:

- (a) the person who is:
  - (i) in respect of a Demand Side Abatement Project implemented prior to 1 July 2002, for which a Retail Supplier previously claimed Electricity Sales Foregone that Retail Supplier, or,
  - (ii) otherwise contractually liable (or otherwise liable if there is no contract) to pay for the energy consumed by End-User Equipment in the Installation or Site that is the subject of the Demand Side Abatement Project at the time the Demand Side Abatement Project is implemented for Demand Side Abatement Projects implemented after 1 January 2002; or

Note: Where confusion exists, the abator in (ii) above is the retail or wholesale customer, that is named in the contract, or if no contract exists pays the electricity charges, for electricity charges derived from a meter with a National Meter Identifier (NMI) in the National Electricity Market.

- (b) a person nominated, to the satisfaction of the Scheme Administrator, to be the Abator in respect of the Demand Side Abatement by written agreement with:
  - (i) the person in (a); or
  - (ii) a person previously nominated to be the Abator.

Note: Section 97ED(1) of the Act provides that the creation of an NGAC must be registered with the Scheme Administrator for the NGAC to have effect. Section 97ED(4) provides that NGACs are registered with the Accredited Abatement Certificate Provider creating them (that is, the Abator) as the owner.

## 8.2 Number of NGACs that may be created from Demand Side Abatement

In respect of any Demand Side Abatement, the Abator may create the *Number of NGACs* calculated using:

- (a) the Project Impact Assessment Method in section 9;
- (b) the Metered Baseline Method in section 10;
- (c) the Default Abatement Factors Method in section 11; or
- (d) the Generation Emissions Method in section 12,

provided that:

- (e) the method used must produce a result reasonably reflecting the extent to which emissions are abated for the Demand Side Abatement undertaken;
- (f) assumptions used in that calculation are reasonable and follow common engineering practice;
- (g) those NGACs are reasonably attributable to the Demand Side Abatement in respect of which the calculation is made;
- (h) the time period over which those NGACs are calculated must reasonably reflect to the satisfaction of the Scheme Administrator the time period over which Greenhouse Gas emissions are abated by the Demand Side Abatement in respect of which the calculation is made;
- (i) the calculation includes only Greenhouse Gas emissions attributable to the consumption or combustion of energy sources classified as stationary energy sources in the National Greenhouse Gas Inventory Methodology, and
- (j) emissions or emission reductions due to energy sources other than electricity are only included in the calculations in respect of Demand Side



Abatement Projects that substitute other energy sources for electricity, or electricity for other energy sources, or are consumed in Generating Systems that supply End-User Equipment within the same Site as the Generating System.

### 8.3 Creation of up to 2000 NGACs able to be brought forward using the Project Impact Assessment Method

Note: Section 97EC(1) of the Act provides that NGACs may be created after the activity in respect of which it was created takes place.

However, Section 97EC(3) and (4) provides that in certain circumstances the date Demand Side Abatement is deemed to have occurred can be brought forward. To reduce transaction costs associated with creating NGACs for smaller projects the Abator may elect to bring forward the creation of up to 2000 NGACs.

When all of any Demand Side Abatement previously brought forward to create NGACs in respect of a Demand Side Abatement Project has actually occurred, another tranche of up to 2000 NGACs can be created, up to the lifetime Demand Side Abatement of the project.

This section does not prevent claims for more than 2000 NGACs in respect of abatement that has already occurred. That is, larger projects abating more than 2000 tonnes of CO<sub>2</sub>-e per annum may still claim the entire amount each year, after the abatement has occurred.

- 8.3.1 For the purposes of section 97EC of the Act, if the number of NGACs entitled to be created in respect of any single Demand Side Abatement Project is less than 2000 tonnes of carbon dioxide equivalent abated per annum, and the Abator has calculated the Number of NGACs using the Project Impact Assessment Method in clause 9, then the Abator may elect for an amount of Demand Side Abatement determined in accordance with clause 8.3.2 to be deemed to have occurred on a date determined in accordance with clause 8.3.3.
- 8.3.2 The maximum number of NGACs that can be created using a deemed date under section 97EC of the Act is the lesser of :
- (a) 2000 tonnes of carbon dioxide equivalent; or
  - (b) the lifetime number of NGACs entitled to be created in respect of an individual Demand Side Abatement Project, where lifetime number of NGACs entitled to be created is determined, to the satisfaction of the Scheme Administrator, with reference to:
    - (i) the number of NGACs that are otherwise eligible to be created over a given period, determined in accordance with this Rule and to the satisfaction of the Scheme Administrator; and
    - (ii) any likely performance degradation of the Installation that will tend to result in greenhouse gas emissions abated in one period being lower than greenhouse gas emissions abated in preceding periods of equal duration; and
    - (iii) the expected lifetime of the Installation, taking into account the characteristics of the equipment, its usage, typical frequency of replacement, and the use of the Site and Installation remaining the same

- 8.3.3 The date on which the Demand Side Abatement is deemed to occur under clause 8.3.1 is the latter of:
- (a) 1 January 2003; or
  - (b) the Implementation Date of the Demand Side Abatement *Project*; or
  - (c) the date on which all of any Demand Side Abatement previously brought forward under clause 8.3.1 to create NGACs in respect of the same Demand Side Abatement Project has actually occurred.

#### 8.4 Adjustment of number of NGACs that may be created for GGAP funded projects

Despite any other provision in this Rule, if on or after 1 January 2003 approval for GGAP funding has been granted for a project, the maximum number of NGACs that an Accredited Abatement Certificate Provider can create under this Rule from the number of tonnes of carbon dioxide equivalent of Greenhouse Gas emissions abated by the project equals the percentage of the total number of NGACs that it is otherwise entitled to create under this Rule from that project corresponding to the percentage of project funding that is not provided by GGAP.

Note: For example, if GGAP funding represents 20% of total project funding, then the project developer can only create NGACs for 80% of the eligible abatement achieved.

### 9 Project Impact Assessment Method

Note: The Project Impact Assessment Method determines the number of NGACs an Accredited Abatement Certificate Provider is entitled to create on the basis of an engineering assessment of only the equipment, process, or system that is the subject of Demand Side Abatement.

The Project Impact Assessment Method is most appropriate when abatement is small compared to site electricity consumption, unexplained variation in baseline energy consumption is high, or baseline energy consumption data for the site is unavailable.

Reduced energy consumption from energy sources other than electricity is only to be used in these calculations where it is a result of a fuel substitution or on-site generation project that is directly related to the Demand Side Abatement Project.

#### 9.1 Number of NGACs under the Project Impact Assessment Method

Using the Project Impact Assessment Method, *Number of NGACs* is calculated using **Equation 1**.

##### Equation 1

Number of NGACs = Emissions Abated x Confidence Factor

Where:

- *Number of NGACs* is in t CO<sub>2</sub>-e abated
- *Emissions Abated* (in t CO<sub>2</sub>-e) is calculated in **Equation 2**

- *Confidence Factor* depends on the type of engineering assessment performed under clause 9.2 and is assigned to the calculation according to clause 9.3

**Equation 2**

Emissions Abated = Reduced Energy Consumption x Emissions Coefficient

If the consumption of more than one energy source is affected by Demand Side Abatement, Emissions Abated must be calculated for each energy source and totalled, according to the formula:

$$\text{Emissions Abated} = \sum_s \text{Reduced Energy Consumption}_s \times \text{Emissions Coefficient}_s$$

Where:

- *Emissions Abated* is in t CO<sub>2</sub>-e
- *Reduced Energy Consumption* is the extent to which the energy consumption of the equipment, process, or system is as a consequence of Demand Side Abatement different to what it otherwise would have been and is to be calculated in accordance with the engineering assessment in clause 9.2
- *Emissions Coefficient* is:
  - for electricity, the NSW Pool Coefficient determined by the Tribunal in accordance with the Compliance Rule. For electricity supplied from the distribution rather than from the transmission network, this is to be multiplied by Average Distribution Loss Factor set out in Table 4 of Schedule A to this Rule; or
  - for other energy sources the Carbon Dioxide Emissions Factor for that Energy Source and its Application/Usage set out in **Table 2** of Schedule A to this Rule or another value acceptable to the Scheme Administrator.
- *S* is each source of energy affected by the Demand Side Abatement
- Units used for each energy source, and the emissions coefficient applicable to each energy source, should be appropriate for that energy source. The units should be MWh for electricity, or GJ for most other energy sources.

## 9.2 Engineering assessment of Reduced Energy Consumption

Accredited Abatement Certificate Providers choosing to use the Project Impact Assessment Method in respect of any Demand Side Abatement are for the purposes of **Equation 2** to calculate the Reduced Energy Consumption of only the equipment, process, or system the subject of Demand Side Abatement using an engineering assessment or model:

- (a) that uses reasonable assumptions and generally accepted engineering methods, models, and formulae;
- (b) in which the methods, models and formulae used to assess the Demand Side Abatement are chosen by the Accredited Abatement Certificate Provider, but the assessment is assigned a Confidence Factor under clause 9.3 reflecting the accuracy of the engineering assessment conducted;
- (c) that takes account of:

- (i) the consumption of the existing equipment, systems or processes, or for the purposes of section 9.4 a typical New Installation thereof that represents the best existing Installation of that type as described in that section, compared with its replacement;
- (ii) the performance of the equipment, systems or processes, including degradation over time;
- (iii) the operating characteristics of the equipment, systems or processes, including hours of use, degree of loading, usage, operating patterns and behaviour, ambient conditions and any other relevant factors; and
- (iv) any of the default factors set out in Tables 3a, 3b or 3c of Schedule A to this Rule if the variable that the value represents is relevant to the assessment or, if the Accredited Abatement Certificate Provider proposes to use a different value for the same purpose, other values acceptable to the Scheme Administrator.

### 9.3 Confidence Factor

The *Confidence Factor* is:

- (a) 1.0., if the engineering assessment determines energy consumption to a high level of accuracy based on :
    - (i) hours of operation for the Installation determined from measurements taken over time or other logged data, or a simpler method where this yields an equivalent level of accuracy;
    - (ii) allowances for any variance in input characteristics and usage, degree of loading, or output characteristics for the Installation over time determined from measurements or other logged data, or a simpler method where this yields an equivalent level of accuracy;
    - (iii) operating environment and ambient conditions over time for the Installation determined from measurements or other logged data, or a simpler method where this yields an equivalent level of accuracy;
    - (iv) Installation characteristics using a full performance curve from manufacturers' or measured data, or a simpler method where this yields an equivalent level of accuracy; and
    - (v) performance degradation of the Installation over time using detailed calculations and manufacturers' or measured degradation characteristics, or a simpler method where this yields an equivalent level of accuracy,
- or, if the engineering assessment does not meet the level of accuracy corresponding with those criteria:
- (b) 0.9, if the engineering assessment determines energy consumption to a lesser level of accuracy from that described in (a), based on:
    - (i) hours of operation for the Installation estimated from records, or a simpler method where this yields an equivalent level of accuracy;

- (ii) allowances for any variance in input characteristics and usage, degree of loading, or output characteristics for the Installation over time estimated from records, or a simpler method where this yields an equivalent level of accuracy;
- (iii) operating environment and ambient conditions over time estimated for the Installation from records or average measurements, or a simpler method where this yields an equivalent level of accuracy;
- (iv) Installation characteristics taking account of performance at full and part load or discrete operating modes, or a simpler method where this yields an equivalent level of accuracy; and
- (v) estimates of performance degradation of the Installation over time using manufacturers' or other representative degradation characteristics, or a simpler method where this yields an equivalent level of accuracy,

or, if the engineering assessment does not meet the level of accuracy corresponding with those criteria,

- (c) 0.8

#### **9.4 New Installations other than Office Buildings to be better than best existing installation**

For New Installations other than Office Buildings, before being entitled to create NGACs under clause 8.2 an Accredited Abatement Certificate Provider must demonstrate to the Scheme Administrator by reference to:

- (a) any benchmarking or performance indicators established and published by a body recognised by the Scheme Administrator, including industry associations;
- (b) the type of equipment, process, or system and level of consumption considered typical for new installations, taking into account recent installations of this type of equipment, process, or system and Australian and global developments in technology; and
- (c) the type of improved equipment, process, or system proposed to be installed and the level of energy consumption,

that the Number of NGACs calculated are only in respect of Greenhouse Gas emissions per unit of output or service below the Greenhouse Gas emissions per unit of output or service from a comparable Installation having:

- (a) the lowest Greenhouse Gas emissions per unit of output or service from energy consumption of all existing Installations having the same function, output or service:
  - (i) in New South Wales; or
  - (ii) if there is no such Installation in New South Wales, in Australia; or
- (b) if there is no value that can be determined under (a), a level of Greenhouse Gas emissions per unit of output or service determined by the Scheme Administrator.

## 10 Metered Baseline Method

Note: The Metered Baseline Method uses measurements of energy consumption “before” the Demand Side Abatement Project takes place to establish a “baseline” energy consumption standard for the Site being considered. The same measurements performed “after” Demand Side Abatement measures have commenced will establish new levels of energy consumption, with the difference representing the impact of the abatement measures.

Emissions Abated are adjusted by a Confidence Factor that is calculated based on the size of the Abatement relative to the unexplained variance in the baseline.

The Metered Baseline Method relies on the remainder of the site operating as it did before the Demand Side Abatement Project was implemented. Where changes other than the Demand Side Abatement Project will affect metered consumption, the results will not reasonably reflect the abatement due to the Demand Side Abatement Project, and NGACs cannot be created using the Metered Baseline Method. Consequently, the Metered Baseline Method should not be used where changes other than the DSA Project have taken place during the baseline period, or are anticipated during the life of the Demand Side Abatement Project for which NGACs will be claimed. This does not prevent additional Demand Side Abatement Projects at the same site from being implemented and assessed against the original baseline.

10.1 The Metered Baseline Method in this clause 10 may only be used to calculate *Number of NGACs* if measurements made pursuant to this clause 10 are of a standard and duration enabling the *Number of NGACs* to be determined to a level of accuracy satisfactory to the Scheme Administrator.

10.2 Using the Metered Baseline Method, *Number of NGACs* is calculated under:

- (a) clause 10.5, using a baseline per unit of output;
- (b) clause 10.6, using a baseline unaffected by output;
- (c) clause 10.7, using a normalised baseline; or
- (d) clause 10.8, using a baseline normalised by means of a methodology adapted from the Australian Building Greenhouse Rating Scheme,

provided that all of the NGACs that the Accredited Abatement Certificate Provider seeks to create in respect of Demand Side Abatement can reasonably be attributed to the corresponding abatement.

10.3 The period over which any baseline is determined under this clause 10, using energy measurements before implementation of the Demand Side Abatement Project, must include 1 or more periods preceding the implementation of the Demand Side Abatement Project, but after 1 January 1997, excluding any time periods that are not representative of normal operating Site consumption due to factors including plant shutdown or major maintenance. The time periods used to determine the baseline must be acceptable to the Scheme Administrator.

10.4 The Abatement Certificate Provider may use utility meters or other metering equipment acceptable to the Scheme Administrator.

Note: Sub-metering may be used to effectively reduce the size of the Site considered for baseline calculations, thereby increasing abatement relative to the baseline and hence the confidence factor.

## 10.5 Baseline per unit of output

Note: This Metered Baseline Method is most appropriate where consumption is strongly linked to output (for example, in aluminium smelting). Where the relationship is non-linear, or there are multiple products or changes in raw materials affecting consumption, another method of normalising the baseline should be used.

Increased or decreased consumption of energy sources other than electricity should only be included where the change in the consumption of that energy source is directly related to the Demand Side Abatement Project (that is for fuel substitution and generation projects). Reductions in consumption of other sources of energy that are not related to projects that primarily reduce emissions from electricity consumption are not included.

*Number of NGACs* may be calculated using **Method 1**, provided that:

- (a) the consumption of all energy sources for the Site are linear functions of output;
- (b) Fixed Energy Consumption, which is the energy consumption of the Site that does not vary with variations in output, can be measured or estimated; and
- (c) output has not changed by more than 50% from the average output over the period during which the *Variable Energy Baseline* was measured, and.
- (d) the *Variable Energy Baseline* is calculated using data from periods immediately preceding the implementation of the Demand Side Abatement Project, up to a maximum of 5 years, but after 1 January 1997, and excluding any periods after the implementation of the Demand Side Abatement Project that are not representative of long term site consumption due to factors including plant shutdown or major maintenance. Where this is not possible, due to data unavailability or other reasons, a baseline may be set using other periods acceptable to the Scheme Administrator.

### Method 1

#### Step (1)

Select a *Measurement Period* acceptable to the Scheme Administrator, that will be the duration of time over which all measurements in this Method will be taken and that is:

- (a) a minimum of one day and a maximum of one year; and
- (b) if there is a regular cycle to the consumption of energy sources on the Site, an integer multiple of the period of that cycle.

Step (2) Determine *Emissions Abated*, for each energy source, S, affected by the Demand Side Abatement by repeating Steps (2A) to (2G) for each energy source.

#### Step (2A)

The *Fixed Energy Consumption* (in MWh or GJ) is the consumption of energy source, S, for the Site that does not vary with variations in output, and is:

- determined by estimating or extrapolating from measurements taken during plant downtime or estimated or determined mathematically from multiple

- periods;
- a reasonable reflection of the consumption unaffected by output, and will lead to emissions abated calculations that are reasonable, and
  - over a period before Demand Side Abatement commences and the duration of which is equal to the Measurement Period.

Step (2B)

Calculate *Variable Consumption*<sub>Tb</sub> (in MWh / unit of output or GJ / unit of output) for *n* time periods *Tb*:

$$(\text{Total Consumption}_{Tb} - \text{Fixed Energy Consumption}) / \text{Output}_{Tb}$$

Where:

- *Tb* is a number between 1 and *n* that denotes a particular time period, prior to implementation of the Demand Side Abatement Project, the duration of which is equal to the Measurement Period
- *Total Consumption*<sub>Tb</sub> (in MWh or GJ) is the consumption of energy source, *S*, for the Site measured by metering that consumption over mutually exclusive time periods, *Tb*
- *Output*<sub>Tb</sub> is the number of units of output during each time period *Tb*
- *n* is the number of time periods, *Tb*, before Demand Side Abatement, and must be at least 1

Step (2C) Calculate *Variable Energy Baseline*:

$$\left\{ \sum_{T=1}^n \text{Variable}_{Tb} \right\} / n$$

Step (2D) Calculate *Baseline Variability*, which is the unexplained variance in the baseline, as:

- where  $n > 2$ :

$$\text{Baseline Variability} = (\text{maximum Variable Consumption}_{\text{All } Tb} - \text{minimum Variable Consumption}_{Tb}) / 2$$

- where  $n \leq 2$ :

$$\text{Baseline Variability} = 10\% \text{ of Variable Energy Baseline}$$

Where:

- *All Tb* is the whole of the period over which the Variable Energy Baseline is calculated, denoted by  $Tb = 1$  to  $Tb = n$ .

Step (2E) Calculate *Reduced Energy Consumption* (in MWh or GJ):

$$(\text{Output}_{Ta} \times \text{Variable Energy Baseline} + \text{Fixed Energy Consumption}) - \text{Total Consumption}_{Ta}$$

Where:

- *Reduced Energy Consumption* is in MWh or GJ



- *Total Consumption*<sub>Ta</sub> (in MWh or GJ) is the consumption of energy source, S, for the Site measured by metering that consumption over a time period Ta that is after the Demand Side Abatement and the duration of which is equal to the Measurement Period
- *Output*<sub>Ta</sub> is the number of units of output during the time period Ta.

Step (2F) Calculate *Confidence Factor*:

If Reduced energy consumption is >0, as:

$$1 - (\text{Baseline Variability} \times \text{Output}_{Ta} / \text{Reduced Energy Consumption})$$

If Reduced energy consumption is <0, as:

$$1 + (\text{Baseline Variability} \times \text{Output}_{Ta} / \text{Reduced Energy Consumption})$$

Step (2G) Calculate *Emissions Abated*<sub>s</sub>:

$$\text{Emissions Abated}_s = \text{Reduced Energy Consumption} \times \text{Confidence Factor} \times \text{Emissions Coefficient}_s$$

Where:

- *Emissions Coefficient*<sub>s</sub> is:
  - for electricity, the NSW Pool Coefficient determined by the Tribunal in accordance with the Compliance Rule. For electricity supplied from the distribution rather than from the transmission network, this is to be multiplied by Average Distribution Loss Factor set out in Table 4 of Schedule A to this Rule; or
  - for other energy sources, the Carbon Dioxide Emissions Factor for that Energy Source and its Application/Usage set out in **Table 2** of Schedule A to this Rule or another value acceptable to the Scheme Administrator.

Step (3) Calculate *Number of NGACs* (in t CO<sub>2</sub>e):

If  $\text{Emissions Abated}_s \geq 0$ :

$$\text{Number of NGACs} = \text{Emissions Abated}_s$$

**or**

If  $\text{Emissions Abated}_s < 0$ :

$$\text{Number of NGACs} = 0$$

## 10.6 Baseline unaffected by output

Note: This Metered Baseline Method is most appropriate where consumption is not linked to output. For example, schools and swimming pools.

*Number of NGACs* may be calculated using **Method 2**, provided that

- (a) the consumption of all energy sources for the Site is independent of output; and
- (b) the *Energy Baseline* is calculated using data from periods immediately preceding the installation of the Demand Side Abatement Project, to a maximum duration of 5 years, but after 1 January 1997, and excluding any periods that are not representative of long term site consumption due to factors including plant shutdown or major maintenance. Where this is not possible, due to data unavailability or other reasons, a baseline may be set using other periods acceptable to the Scheme Administrator.

**Method 2**Step (1)

Select a *Measurement Period* acceptable to the Scheme Administrator, that will be the duration of time over which all measurements in this Method will be taken and that is:

- (a) a minimum of one day and a maximum of one year; and
- (b) if there is a regular cycle to the consumption of energy sources on the Site, an integer multiple of the period of that cycle.

Step (2) Determine *Emissions Abated<sub>s</sub>* for each energy source, S, affected by the Demand Side Abatement by repeating Steps (2A) to (2E) for each energy source.

Step (2A) Calculate *Energy Baseline*:

{Error! Objects cannot be created from editing field codes. Total Consumption<sub>Tb</sub>} / n

Where:

- *Tb* is a number between 1 and n that denotes a period of time the duration of which is equal to the Measurement Period, before the implementation of the Demand Side Abatement Project
- *Total Consumption<sub>Tb</sub>* (in MWh or GJ) is the consumption of energy source, S, for the Site measured by metering that consumption over mutually exclusive time periods, *Tb*, before the Demand Side Abatement
- *n* is the number of time periods, *Tb*, before Demand Side Abatement, and *n* must be at least 1

Step (2B) Calculate *Baseline Variability*, which is the variance in the baseline, as:

- where  $n > 1$ :

$$\text{Baseline Variability} = (\text{maximum Total Consumption}_{\text{All } Tb} - \text{minimum Total Consumption}_{\text{All } Tb}) / 2$$

- where  $n = 1$ :

$$\text{Baseline Variability} = 10\% \text{ of Energy Baseline}$$

Where:

- *All Tb* is the whole of the period over which the Variable Energy Baseline is calculated, denoted by  $Tb = 1$  to  $Tb = n$ .

Step (2C) Calculate *Reduced Energy Consumption* (in MWh or GJ):

$$\text{Energy Baseline} - \text{Total Consumption}_{Ta}$$

Where:

- *Reduced Energy Consumption* is in MWh or GJ
- *Total Consumption<sub>Ta</sub>* (in MWh or GJ) is the consumption of energy source, S, for the Site measured by metering that consumption over a time period

Ta that is after the Demand Side Abatement and the duration of which is equal to the Measurement Period

Step (2D) Calculate *Confidence Factor*:

If Reduced energy consumption >0:  
 $1 - (\text{Baseline Variability} / \text{Reduced Energy Consumption})$

If Reduced energy consumption <0:  
 $1 + (\text{Baseline Variability} / \text{Reduced Energy Consumption})$

Step (2E) Calculate *Emissions Abated<sub>s</sub>*:

Reduced Energy Consumption x Confidence Factor x Emissions Coefficient<sub>s</sub>

Where:

- *Emissions Coefficient<sub>s</sub>* is:
  - for electricity, the NSW Pool Coefficient determined by the Tribunal in accordance with the Compliance Rule. For electricity supplied from the distribution rather than from the transmission network, this is to be multiplied by Average Distribution Loss Factor set out in Table 4 of Schedule A to this Rule; or
  - for other energy sources, the Carbon Dioxide Emissions Factor for that Energy Source and its Application/Usage set out in **Table 2** of Schedule A to this Rule or another value acceptable to the Scheme Administrator.

Step (3) Calculate *Number of NGACs* (in t CO<sub>2</sub>e):

If  $\text{Emissions Abated}_s \geq 0$ :

$\text{Number of NGACs} = \frac{\text{Emissions Abated}_s}{s}$

**or**

If  $\text{Emissions Abated}_s < 0$ :

$\text{Number of NGACs} = 0$

## 10.7 Normalised baselines

Note: This Metered Baseline Method normalises energy consumption for a Site to remove explainable variation from the baseline. For example, adjusting for variations in ambient conditions or variations in input characteristics. The factors chosen for the normalisation must cause the variability that is removed and not be the result of spurious correlations.

Option C of the International Performance Measurement and Verification Protocol can be used for guidance as to the normalisation of baselines, particularly for complex cases.

*Number of NGACs* may be calculated using **Method 3**, provided that

- (a) the *Normalisation Variables* in respect of which the *Total Consumption* is normalised are variables corresponding to factors that are a reason for change in *Total Consumption*; and
- (b) the *Normalised Energy Baseline* is calculated using data from periods immediately preceding the installation of the Demand Side Abatement Project, to a maximum duration of 5 years, but after 1 January 1997, and excluding any periods that are not representative of long term site consumption due to factors including plant shutdown or major maintenance. Where this is not possible, due to data unavailability or other reasons, a baseline may be set using other periods acceptable to the Scheme Administrator.

**Method 3**Step (1)

Select a *Measurement Period* acceptable to the Scheme Administrator, that will be the duration of time over which all measurements in this Method will be taken and that is:

- (c) a minimum of one day and a maximum of one year; and
- (d) if there is a regular cycle to the consumption of energy sources on the Site, an integer multiple of the period of that cycle.

Step (2) Determine *Emissions Abated<sub>s</sub>* for each energy source, S, affected by the Demand Side Abatement by repeating Steps (2A) to (2F) for each energy source.

Step (2A) Calculate *Normalised Consumption<sub>Tb</sub>* (in MWh or GJ) for *n* time periods *Tb* by normalising the Total Consumption<sub>Tb</sub> to determine the consumption that would have occurred for period *Tb* had the conditions at time *Ta* existed, using:

- (a) a set of normalisation coefficients, which are one or more coefficients calculated to account for the variation in Total Consumption Before<sub>T</sub> per unit of change for each corresponding Normalisation Variable used in (b); and
- (b) a set of values, which are the difference between the values of the Normalisation Variables for each time period *Tb*, and the values of the Normalisation Variables for one time period *Ta*, determined by measurements or other data sources.

Where:

- *Tb* is a number between 1 and *n* that denotes a period of time before the implementation of the Demand Side Abatement Project, the duration of which is equal to the Measurement Period
- *Ta* denotes a period of time after the implementation of the Demand Side Abatement Project for which NGACs are being calculated, the duration of which is equal to the Measurement Period.
- *Total Consumption<sub>Tb</sub>* (in MWh or GJ) is the consumption of energy source, S, for the Site measured by metering that consumption over mutually exclusive time periods, T, before the Demand Side Abatement
- *n* is the number of time periods, *Tb*, before Demand Side Abatement, and *n* must be at least 1
- *Normalisation Variables* are the variables in respect of which the Total Consumption<sub>Tb</sub> is normalised and must correspond to factors that are a reason for change in Total Consumption<sub>Tb</sub>

Step (2B) Calculate *Normalised Energy Baseline*:

$$\left\{ \sum_{T=1}^n \text{Normalised Consumption}_{Tb} \right\} / n$$

Step (2C) Calculate *Baseline Variability*, which is the unexplained variance in the baseline, as:

- where  $n > 1$ :

$$\text{Baseline Variability} = (\text{maximum Normalised Consumption}_{\text{All Tb}} - \text{minimum Normalised Consumption}_{\text{All Tb}}) / 2$$

- where  $n = 1$ :

$$\text{Baseline Variability} = 10\% \text{ of Normalised Energy Baseline}$$

Where:

- *All Tb* is the whole of the period over which the Variable Energy Baseline is calculated, denoted by  $Tb = 1$  to  $Tb = n$ .

Step (2D) Calculate *Reduced Energy Consumption* (in MWh or GJ):

$$\text{Normalised Energy Baseline} - \text{Total Consumption}_{T_a}$$

Where:

- *Reduced Energy Consumption* is in MWh or GJ
- *Total Consumption<sub>T<sub>a</sub></sub>* (in MWh or GJ) is the consumption of energy source, S, for the Site measured by metering that consumption over a time period  $T_a$  that is after the Demand Side Abatement and the duration of which is equal to the Measurement Period

Step (2E) Calculate *Confidence Factor*:

$$\text{Where Reduced Energy Consumption} > 0: \\ 1 - (\text{Baseline Variability} / \text{Reduced Energy Consumption})$$

$$\text{Where Reduced Energy Consumption} < 0: \\ 1 + (\text{Baseline Variability} / \text{Reduced Energy Consumption})$$

Step (2F) Calculate *Emissions Abated<sub>s</sub>*:

$$\text{Reduced Energy Consumption} \times \text{Confidence Factor} \times \text{Emissions Coefficient}_s$$

Where:

- *Emissions Coefficient<sub>s</sub>* is:
  - for electricity, the NSW Pool Coefficient determined by the Tribunal in accordance with the Compliance Rule. For electricity supplied from the distribution rather than from the transmission network, this is to be multiplied by Average Distribution Loss Factor set out in Table 4 of Schedule A to this Rule; or
  - for other energy sources, the Carbon Dioxide Emissions Factor for that Energy Source and its Application/Usage set out in **Table 2** of Schedule A to this Rule or another value acceptable to the Scheme Administrator.

Step (3) Calculate *Number of NGACs* (in t CO<sub>2</sub>e):

If  $\text{Emissions Abated}_s \geq 0$ :

$$\text{Number of NGACs} = \frac{\text{Emissions Abated}_s}{s}$$

**or**

If  $\text{Emissions Abated}_s < 0$ :

$$\text{Number of NGACs} = 0$$

### 10.8 Office Building Australian Building Greenhouse Rating Scheme baseline

Note: This Metered Baseline Method is one acceptable method for normalising baselines for new or existing Office Buildings.

*Number of NGACs* may be calculated using **Method 4** only for new or existing Office Buildings.

#### **Method 4**

##### Step (1)

The *Measurement Period* is the duration of time over which all measurements in this Method will be taken and is twelve months.

Step (2) *Normalised Emissions Baseline* (in kg CO<sub>2</sub>-e / m<sup>2</sup>) is:

- (a) for a new Office Building, the normalised emissions per unit of area that is the threshold for achieving an ABGR 4 star rating or the minimum ABGR rating required for the Office Building by a consent authority, as that term is defined in the *Environmental Planning and Assessment Act 1979*, corrected to use instead of the ABGR default emission factor, the current NSW Pool Coefficient determined by the Tribunal in accordance with the Compliance Rule. For electricity supplied from the distribution rather than from the transmission network, this is to be multiplied by Average Distribution Loss Factor set out in Table 4 of Schedule A to this Rule; or
- (b) for an existing Office Building, calculated as

$$\left\{ \sum_{T=1}^n \text{Normalised Emissions}_{Tb} \right\} / n$$

Where:

- *Tb* is a number between 1 and n that denotes a period of time before the implementation of a Demand Side Abatement Project



- the duration of which is equal to the Measurement Period  
*Normalised Emissions<sub>Tb</sub>* (in kg CO<sub>2</sub>-e / m<sup>2</sup>) is for the Site the normalised emissions per unit of area, over mutually exclusive time periods, *Tb*, before Demand Side Abatement, determined under the ABGR modified to use:
  - for all electricity including Green Power as that term is used in the National Green Power Accreditation Program, the NSW Pool Coefficient determined by the Tribunal in accordance with the Compliance Rule. For electricity supplied from the distribution rather than from the transmission network, this is to be multiplied by Average Distribution Loss Factor set out in Table 4 of Schedule A to this Rule; or
  - for other energy sources, the Carbon Dioxide Emissions Factor for that Energy Source and its Application/Usage set out in **Table 2** of Schedule A to this Rule or another value acceptable to the Scheme Administrator.
- *n* is the number of time periods, *Tb*, before Demand Side Abatement, and *n* must be at least 1.

Step (3) *Baseline Variability*, which is the unexplained variance in the baseline, is:

- (a) for a new Office Building, 0; or
- (b) for an existing Office Building, calculated using:

where  $n > 1$ :

Baseline Variability = (maximum Normalised Emissions<sub>All *Tb*</sub> – minimum Normalised Emissions<sub>All *Tb*</sub>) / 2

where  $n = 1$ :

Baseline Variability = 5% of Normalised Emissions  
Baseline

Step (4) Calculate the *Emissions Abated* as:

Normalised Emissions Baseline - Normalised Emissions<sub>*Ta*</sub>

Where:

- *Emissions Abated* is in kg CO<sub>2</sub>-e / m<sup>2</sup>
- *Normalised Emissions<sub>Ta</sub>* (in kg CO<sub>2</sub>-e / m<sup>2</sup>) is for the Site the normalised emissions per unit of area, for a time period *Ta* after Demand Side Abatement and the duration of which is equal to the Measurement Period, determined under the ABGR modified to use:
  - for all electricity including greenpower as that term is used in the ABGR, the NSW Pool Coefficient determined by the Tribunal in accordance with the Compliance Rule. For electricity supplied from the distribution rather than from the transmission network, this is to be multiplied by Average Distribution Loss Factor set out in Table 4 of Schedule A to this Rule; or
  - for other energy sources, the Carbon Dioxide Emissions Factor for that Energy Source and its Application/Usage set out in **Table 2** of

Schedule A to this Rule or another value acceptable to the Scheme Administrator.

Step (5) Calculate *Confidence Factor*:

$$1 - (\text{Baseline Variability} \times \text{Baseline Length Factor} / \text{Emissions Abated})$$

Where:

- *Baseline Length Factor* is set out in Table 5 of Schedule A.

Step (6) Calculate *Number of NGACs* (in t CO<sub>2</sub>e):

If Emissions Abated  $\geq 0$ :

$$\text{Number of NGACs} = \text{Emissions Abated} \times \text{Net Lettable Area}_{Ta} \times (\text{Gross Emissions}_{Ta} / \text{Normalised Emissions}_{Ta}) \times \text{Confidence Factor} / 1000$$

or

If Emissions Abated  $\times$  Net Lettable Area<sub>Ta</sub>  $\times$  (Operating Hours<sub>Ta</sub> / 50)  $\times$  Confidence Factor  $< 0$ :

$$\text{Number of NGACs} = 0$$

Where:

- *Net Lettable Area<sub>Ta</sub>* (in m<sup>2</sup>) is the occupied net lettable area of the building determined in accordance with the ABGR for the period Ta
- *Gross Emissions<sub>Ta</sub>* (in kg CO<sub>2</sub>e / m<sup>2</sup>) is the uncorrected greenhouse gas emissions for the period Ta

## 11 Default Abatement Factors Method

Note: The Default Abatement Factors Method can be used for the installation of common equipment such as refrigerators and certain electric motors. A program of multiple installations of the same type is considered a single Demand Side Abatement Project.

11.1 The Default Abatement Factors Method in this clause 11 may only be used to calculate *Number of NGACs* if:

- the Installation or an equivalent replacement once installed is of such a nature and installed in such a manner that it would ordinarily remain in place and operative for the Default Service Lifetime corresponding to that Installation in **Table 1**; and
- the Installation is listed in **Table 1**.

11.3.2 Using the Default Abatement Factors Method, *Number of NGACs* is calculated using Equation **Equation 3**.

11.3.3 Where *Number of NGACs* is calculated using the Default Abatement Factors Method in this clause 11, for the purpose of creating NGACs, the Demand Side Abatement that is the subject

of that calculation is deemed to have taken place when the relevant Installation or Installations have been installed.

**Equation 3**

Number of NGACs = Number of Installations x Abatement Factor

Where:

- *Number of NGACs* is in t CO<sub>2</sub>-e
- *Number of Installations* is the quantity of a certain type of Installation that has been Installed
- *Abatement Factor* is the Default Emissions Abatement Factor corresponding to that type of Installation in **Table 1** of Schedule A to this Rule

**12 Generation Emissions**

- 12.1 The Generation Emissions Method in this clause 12 may only be used to calculate *Number of NGACs* if any of the electricity generated by a Generating System is supplied to End-User Equipment within the same Site as the Generating System.
- 12.2 Using the Generation Emissions Method, *Number of NGACs* is calculated using **Equation 4**.

**Equation 4**

Number of NGACs = Eligible Generation x (NSW Pool Coefficient – Adjusted Emissions Intensity)

Where:

- *Number of NGACs* is in t CO<sub>2</sub>-e
- *Eligible Generation* (in MWh) is calculated in **Equation 5**
- *NSW Pool Coefficient* is the NSW Pool Coefficient determined by the Tribunal using clause 9.1 of the Compliance Rule for the year in which the electricity was generated
- *Adjusted Emissions Intensity* (in t/MWh) is the *Emissions Intensity* (in t/MWh) calculated using **Equation 6** multiplied by the Emissions Intensity Adjustment Factor in Table 9 of Schedule A to the Generation Rule appropriate to the Generating System being connected at a user site

**Equation 5**

Eligible Generation = Self Generated Site Use - RECs Created x (Self Generated Site Use / Gross Generation)

Where:

- *Eligible Generation* is in MWh
- *Self Generated Site Use* (in MWh) is the portion of the electricity generated by the Generating System that is consumed End-User Equipment within the Site of which the Generating System forms a part, determined by:
  - metered electricity generated by the Generating System where this is available; or
  - calculating the reduction in electricity supplied by the NSW Electricity Network by either the Project Impact Assessment Method in clause 9 or the Metered Baseline Method in clause 10.
- *RECs Created* (in MWh) are the number of RECs created in accordance with the RE(E) Act in respect of the same electricity generation by the Generating System that constituted the *Total Output of Generating System*
- *Gross Generation* (in MWh) is the total electricity generated by the Generating System less any ancillary loads determined from:
  - the metered net electricity generated by the Generating System, if this is available; or
  - calculating the reduction in electricity supplied by the NSW Electricity Network by either the Project Impact Assessment Method in clause 9 or the Metered Baseline Method in clause 10

**Equation 6**

Emissions Intensity = Total Greenhouse Gas Emissions / Total Output of Generating System

Where:

- *Emissions Intensity* is in t CO<sub>2</sub>-e/MWh
- *Total Greenhouse Gas Emissions* (in t CO<sub>2</sub>-e) is determined using section 10 of the Generation Rule
- *Total Output of Generating System* (in MWh) is the total electricity generated by the Generating System determined from:
  - the metered electricity generated by the Generating System, if this is available; or
  - calculating the reduction in electricity supplied by the NSW Electricity Network by either the Project Impact Assessment Method in clause 9 or the Metered Baseline Method in clause 10

12.3 Using the Generation Emissions Method, in addition to the number of NGACs in clause 12.2 the Abator may create NGACs from that portion of electricity which is used on site which is:

- (a) generated using landfill gas or sewage gas or cogeneration from renewable sources according to, and as if it were the Generator referred to in section 9.5 of the Generation Rule; or
- (b) from cogeneration from fossil fuels according to section 10.2 of the Generation Rule.

### 13 Definitions and Interpretation

13.1 In this Rule:

“**ABGR**” means the Australian Building Greenhouse Rating Scheme Methodology.

“**Demand Side Abatement**” has the meaning given to it in clause 7.

“**Demand Side Abatement Project**” has the meaning given to it in Clause 7.

“**Electricity Sales Foregone**” has the meaning given to it under the Emissions Workbook.

“**Emissions Workbook**” means the methodology described in the document entitled *Greenhouse Gas Emissions from Electricity Supplied in NSW: Emissions Workbook* published by the Ministry of Energy and Utilities in October 2000.

“**End-User Equipment**” means electricity consuming equipment that is not associated with the generation of electricity or generated ancillary loads.

“**Fossil Fuel**” means coal seam gas drained from mines as an integrated part of coal mining operations, black coal, brown coal, natural gas, fuels derived from petroleum, or coal seam methane.

“**Generation Rule**” means *Greenhouse Gas Benchmark Rule (Generation) No. 2 of 2003*

“**Generating System**” means a system comprising one or more of the physical generators of electricity and all the related equipment essential to their functioning as single entities.

“**GGAP**” means the Greenhouse Gas Abatement Program administered by the Australian Greenhouse Office of the Commonwealth.

“**Implementation Date**” means the date on which the reduction in greenhouse gas emissions resulting from a project commences.

“**Installation**” means energy consuming equipment, processes, or systems, including the equipment directly consuming energy, and other equipment that is part of the same process or system that causes or controls the consumption of energy.

“**Installed**” means the date when the Installation was commissioned or reached practical completion.

“**NSW Electricity Network**” means the New South Wales electricity transmission and distribution networks, as those terms are defined in the National Electricity Code.

“**LUAC**” (Large User Abatement Certificate) means a non-transferable abatement certificate under section 97F of the Act, which is created in accordance with the LUAC Rule.

“**LUAC Rule**” means *Greenhouse Gas Benchmark Rule (Large User Abatement Certificates) No. 4 of 2003*.

“**New Installations**” means Installations where no such Installations were previously in its place.

“**NGAC**” (New South Wales Greenhouse Abatement Certificate) is a transferable abatement certificate under section 97F of the Act, which is created in accordance with the Generation Rule, Sequestration Rule, or this Rule.

“**NSW Electricity Network**” means the New South Wales electricity transmission and distribution networks, as those terms are defined in the National Electricity Code.

“**NSW Pool Coefficient**” is defined and determined in the Compliance Rule.

“**Office Building**” means a Site that can be rated under the ABGR.

“**ORER**” means the Commonwealth Office of the Renewable Energy Regulator.

“**REC**” means a renewable energy certificate as defined in s 97AB of the Act.

“**RE(E) Act**” means the *Renewable Energy (Electricity) Act 2000* (Cth).

“**Regulations**” means regulations made pursuant to Part 8A of the Act.

“**Renewable Energy Source**” means an eligible renewable energy source under sections 17(1) and (2) of the RE(E) Act.”

“**Scheme Administrator**” is defined in section 97AB of the Act.

“**Sequestration Rule**” means *Greenhouse Gas Benchmark Rule (Carbon Sequestration) No.5 of 2003*.

“**Site**” means all End-User Equipment and Generating Systems for which the electricity consumed or supplied is measured by the same meter. This includes utility meters allocated a National Meter Identifier (NMI) under the National Electricity Code, and other meters or logging devices measuring a part of this site, and approved by the Scheme Administrator.

Note: Meters other than utility meters that measure part of the consumption of a Site can be used to “sub-meter” consumption related to Demand Side Abatement. In this case, the Site would become only that part of the installation that has its consumption recorded by that meter, provided it meets the requirement of the Scheme Administrator.

Meters other than “utility” meters (those allocated a NMI) can only be used to sub-meter loads within an individual Site, not aggregate several Sites.

“**the Act**” means the *Electricity Supply Act 1995*.

“**Tribunal**” has the meaning given to it under the Act.

13.2 Notes in this Rule do not form part of the Rule.

13.3 For the purpose of this Rule the terms and expressions used in this Rule have the same meaning as in the Act or as defined in Part 8A of the Act, except the terms that are expressly defined in this Rule.

## Schedule A – Default factors and supporting information

**Table 1: Default Emissions Abatement Factors**

Installation	Default Service Lifetime (in years)	Default Emissions Abatement Factors	
Gas storage or instantaneous hot water system (not solar) replacing an existing electric hot water system (not solar)	8	20	
Gas boosted solar hot water system replacing an electric hot water system (not solar). Additional NGACs for non-solar water heating (solar contribution is claimable as RECs)	8	6	
Compact fluorescent lamp	5	0.5	
Showerhead that has a AAA rating (that is consuming less than 9 L water / minute at a water pressure of 250 kPa), connected to a hot water system using electricity as its energy source.	7	4.5	
Showerhead that has a AAA rating (that is consuming less than 9 L water / minute at a water pressure of 250 kPa), connected to a hot water system which could be using either electricity or natural gas as an energy source.	7	3.5	
Refrigerator / freezer	2.5 Star Rating	7	-
	3 Star Rating	7	-
	3.5 Star Rating	7	0.1
	4 Star Rating	7	0.6
	4.5 Star Rating	7	1.0
	5 Star Rating	7	1.4
	5.5 Star Rating	7	1.8
	6 Star Rating	7	2.5
Freezer	2.5 Star Rating	7	-
	3 Star Rating	7	0.7
	3.5 Star Rating	7	0.8
	4 Star Rating	7	0.9
	4.5 Star Rating	7	1.0
	5 Star Rating	7	1.1
	5.5 Star Rating	7	1.2
	6 Star Rating	7	1.3
Clothes washer	2.5 Star Rating	7	1.3
	3 Star Rating	7	1.6

	3.5 Star Rating	7	1.9
	4 Star Rating	7	2.2
	4.5 Star Rating	7	2.5
	5 Star Rating	7	2.9
	5.5 Star Rating	7	3.2
	6 Star Rating	7	3.5
Clothes drier	2.5 Star Rating	7	-
	3 Star Rating	7	0.3
	3.5 Star Rating	7	0.4
	4 Star Rating	7	0.6
	4.5 Star Rating	7	0.7
	5 Star Rating	7	0.9
	5.5 Star Rating	7	1.0
Dishwasher	6 Star Rating	7	1.2
	2.5 Star Rating	7	-
	3 Star Rating	7	-
	3.5 Star Rating	7	-
	4 Star Rating	7	0.1
	4.5 Star Rating	7	0.2
	5 Star Rating	7	0.3
	5.5 Star Rating	7	0.4
6 Star Rating	7	0.5	

In this Table:

“**High Efficiency Motor**” means a motor meeting the High Efficiency levels specified in Australian Standard / New Zealand Standard 1359.5

“**Star Rating**” means the star rating under assigned under the National Appliance and Equipment Energy Efficiency Program



**Table 2: Carbon Dioxide Emission Factors**

<b>Energy Source</b>	<b>Application / Usage</b>	<b>kt CO<sub>2</sub>/PJ</b>
Coal	Coal used in public electricity generation (ASIC 3611)	92.0
	Coals used in steel industry	93.0
	Black coal used by other industry	90.0
	Brown coal used by industry	88.3
	Coke	119.5
	Coal by-products (gaseous)	37.0
	Coal by-products (coal tar and BTX)	81.0
	Brown coal briquettes	105.0
Petroleum	Liquefied petroleum gas (LPG)	59.4
	Naphtha	66.0
	Lighting kerosene	69.7
	Power kerosene	69.7
	Aviation gasoline	68.0
	Aviation turbine fuel	69.7
	Heating oil	69.7
	Fuel oil	73.6
	Automotive diesel oil (ADO)	69.7
	Industrial diesel fuel (IDF)	69.7
	Refinery fuel	68.1
	Other petroleum products	68.6
	Solvents	66.0
	Lubricants and greases	73.7
Bitumen	80.7	
Gaseous	Natural gas - NSW	50.8
	Natural gas - Victoria	51.0
	Natural gas - SA	50.8
	Natural gas - Queensland	51.1
	Natural gas - ACT	50.8
	Town gas (tempered LPG)	59.0
Biomass	Wood and wood waste (dry)	94.0
	Bagasse	96.8

**Table 3a: Default Efficiencies**

Application	Device type	Default Efficiency
Electric Water heating	Off peak	85%
	Continuous	90%
Electric Space heating	Resistance	100%
	Reverse cycle	280%
Electric Cooking	Hotplate	60%
	Oven	50%
Electric Industrial heat	Boiler	90%
Natural gas and LPG Water heating	Instantaneous	75%
	Storage	60%
Natural gas and LPG Space heating	Flued heater	70%
Wood space heating	Closed combustion	50%
	Open fire	20%
Natural gas and LPG Cooking	Burners	50%
	Oven	45%
Natural gas and LPG Industrial heat	Boiler	80%
Bagasse Industrial heat	Boiler	60%

**Table 3b: Default Efficiency Improvements for High Efficiency Motors**

Rating of HEM	Default lifetime (years)	Default efficiency improvement
High Efficiency Motor of less than 3 kW	7	8% of the annual electricity consumption of the motor
High Efficiency Motor of 3-7.5 kW	7	5% of the annual electricity consumption of the motor
High Efficiency Motor of 11-37 kW	7	2.5% of the annual electricity consumption of the motor
High Efficiency Motor of 45-90 kW	7	1.5% of the annual electricity consumption of the motor
High Efficiency Motor of 110-185 kW	7	1% of the annual electricity consumption of the motor

In this table:

“**High Efficiency Motor**” means a motor meeting the High Efficiency levels specified in Australian Standard / New Zealand Standard 1359.5

**Table 3c: Default loss savings from Power Factor Correction at end-user’s premises**

Size of PFC installation covered by this default formula	Default lifetime (years)	Annual energy saving
Power Factor Correction of less than 1000 kVAr installed at an end-user Site	7	0.06 MWh pa per kVAr installed

**Table 4: Average Distribution Loss Factor**

<b>Average Distribution Loss Factor</b>
1.058

Note: This is the weighted average of distribution losses for the NSW distribution network. Transmission losses are already included in the NSW Pool Coefficient determined by the Tribunal in accordance with the Compliance Rule, and no further adjustment is required for Installations connected to the transmission network.

**Table 5: Baseline Length Factor**

<b>Number of Years of baseline data</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5+</b>
<b>Baseline length factor</b>	1.00.	1.00	0.85	0.75	0.70

**ELECTRICITY SUPPLY ACT 1995****Notice of Approval of Amendment of Greenhouse Gas Benchmark Rule****Greenhouse Gas Benchmark Rule (Large User Abatement Certificates)  
No. 4 of 2003**

Notice of Amendment of Greenhouse Gas Benchmark Rule by the Minister for Energy and Utilities under section 97K(4) of the Electricity Supply Act 1995

I, Frank Ernest Sartor, Minister for Energy and Utilities, pursuant to section 97K(4) and (5) of the Electricity Supply Act 1995, hereby give notice of approval of amendment to Greenhouse Gas Benchmark Rule (Large User Abatement Certificates) No. 1 of 2003, the amendments of which are described in Schedule 1 of the notice hereto, and the amended Rule is set out in Schedule 2 of the notice hereto.

The amendment of the Rule takes effect from the date of gazettal.

A copy of the amended Greenhouse Gas Benchmark Rule (Large User Abatement Certificates) No. 1 of 2003 may also be obtained through the Ministry of Energy and Utility's website at, [www.energy.nsw.gov.au](http://www.energy.nsw.gov.au).

Dated at Sydney, this 3rd day of September 2003.

FRANK ERNEST SARTOR, M.P.,  
Minister for Energy and Utilities

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**SCHEDULE 1****[1] Minister and Title**

Omit "Kimberly Maxwell Yeadon, MP  
Minister for Energy" and insert  
"Frank Ernest Sartor, MP  
Minister for Energy and Utilities"

**[2] Clause 1 Name and Commencement**

2.1 Omit "1 January 2003" and insert "1 October 2003"

- 2.2 Insert “At its commencement, this Rule is to be taken as having amended the *Greenhouse Gas Benchmark Rule (Large User Abatement Certificates) No. 4 of 2003* that commenced on 1 January 2003, to the extent that this Rule differs from that Rule.” after “1 October 2003.”
- [3] Clause 2 Objects of the Rule**
- Omit “The rule” and insert “This Rule” after “on-site production-related emissions. “
- [4] Clause 3 Application of the Rule**
- Omit “This Rule applies to Large Users as defined in this Rule” and insert “Without limiting the persons to whom this Rule applies, this Rule applies to Large Users” before “accredited to create LUACs in accordance with the Act and the Regulations”
- [5] Clause 4 Status and Operation of the Rule**
- Omit “This rule is” and insert “This Rule is”
- [6] Clause 5 Eligibility to be an Accredited Abatement Certificate Provider in respect of Large User Abatement Activities**
- 6.1 In the title omit “Certificates” and insert “Activities”
- 6.2 Omit “of LUACs” and insert “in respect of Large User Abatement Activities (such accredited persons being “Large Users” for the purpose of this Rule)” after “The Scheme Administrator may accredit as Accredited Abatement Certificate Providers”
- [7] Clause 5 (b)**
- Omit paragraph (b) and insert “(b) persons engaged in carrying out State Significant Development who have elected to become a Benchmark Participant; or”
- [8] Clause 5 (c)**
- Omit paragraph (c) and insert “(c) Market Customers (other than Retail Suppliers) who qualify as a Large Customer.”
- [9] Clause 7**
- Omit title and insert new title “**Activities that constitute Large User Abatement Activities**”

**[10] Clause 7.1**

Omit and insert

“7.1 Large User Abatement Activities are activities carried out by a Large User which;

- (a) increase the efficiency of on-site fuel use;
  - (b) replace higher-emissions fuels with lower emissions fuels;
  - (c) abate on-site Greenhouse Gas emissions created from industrial processes; or
  - (d) abate on-site fugitive Greenhouse Gas emissions
- and that meet the following criteria:
- (e) the emissions associated with the abatement must be of a category reported in the NGGI;

Note: There are some actions which may reduce emissions, but which for the time being lie outside the scope of the NGGI – for example, the abatement of spontaneous combustion emissions from coal. Such actions cannot create LUACs.

- (f) the abatement must be of emissions occurring at a metered site or sites in New South Wales owned or occupied by a Large User, and the Large User or its related body corporate is responsible as a Benchmark Participant for electricity consumed at that site;
- (g) the abatement must not occur as a result of compliance with statutory requirements; and

Note: Abatement beyond what would occur from meeting minimum statutory levels could create LUACs.

- (h) the abatement must have occurred after 1 January 2003”

**[11] Clause 7.2**

Omit and insert the following:

“Large User Abatement Activities do not include activities:

- (a) in which measures impacting on electricity supply or use could lead to the creation of NGACs under the Generation Rule or Demand Side Abatement Rule;
- (b) which, in the course of carrying out the activity results in an emission reported in the following sections of the NGGI:

- (i) “Agriculture”;
- (ii) “Land Use Change and Forestry”; or
- (iii) the “Transport” subsection of “Energy”.

Note: The following are examples of activities which may create LUACs:

- **Stationary fuel use:** increases in the efficiency of on-site use of fuels or substitution of higher-emissions fuels with lower-emissions fuels could be considered for LUAC eligibility.
- **Fugitive emissions from coal mining which arise at the site of the Large User:** the capture and combustion of coal mine waste methane instead of venting it to atmosphere could lead to significant emissions reductions. However, the capture must be from an operating mine (the NGGI methodology does not cover emissions from closed mines). If the methane is used in an electricity generation project it cannot create LUACs.
- **Fugitive emissions:** reducing fugitive emissions from the production and refining of natural gas and hydrocarbons may be considered for LUAC eligibility.
- **Industrial processes:** the NGGI records significant emissions of Greenhouse Gas from the Chemicals, Iron and Steel, Aluminium, Cement and Other Mineral Products industries emissions from these processes could result in eligibility to create LUACs.
- **Fugitive CH<sub>4</sub> emissions from landfills located at the Large User site/s and owned or controlled by the Large User:** the capture and combustion of on-site landfill methane instead of venting it to atmosphere could lead to significant emissions reductions. But methane which is used in an electricity generation project and which creates RECs or NGACs is not an activity which creates LUACs.

The following are not examples of increasing the efficiency of on-site fuel use:

- Closing down part of a plant that used a fuel, and not replacing that part of the plant’s productive capacity elsewhere.
- Moving part of a production process that used a fuel to another site in another jurisdiction.”

**[12] Clause 8**

12.1 Insert the title of Clause 8 before Clause 7.3:

**8 “Creation of LUACs from Large User Abatement Activities”**

12.2 Omit Clause 7.3 and insert Clause 8.1

**“8.1 Number of LUACs that may be created from Large User Abatement Activities”**

In respect of any Large User Abatement Activity, the Large User may create the *Number of LUACs* calculated using:

- (a) in respect of SAPs, the Project Impact Assessment Method in clause 10;
- (b) in respect of Existing Plant, the Baseline Method for Existing Plant in clause 11; or
- (c) in respect of Plant Extensions or New Plant, the Baseline Method for Plant Extensions or New Plant in clause 12.”

12.3 Renumber Clause 7.4 a as Clause 8.2

**[13] Clause 9**

13.1 Renumber Clause 8 as Clause 9 after Clause 8.2 and insert the title **“Calculation of Emissions”**

13.2 Renumber Clause 8.1 as Clause 9.1

13.3 Renumber Clause 8.1.1 as Clause 9.1.1

13.4 Renumber Clause 8.1.2 as Clause 9.1.2.

13.5 In Clause 9.1.2 omit “either Existing Plant or for Plant Extensions or New Plant, the Accredited Abatement Certificate Provider” and insert “Existing Plant in clause 11 or the Baseline Method for Plant Extensions or New Plant in clause 12, the Large User” after “the Baseline Method for”

13.6 Renumber Clause 8.2 as Clause 9.2

13.7 Renumber Clause 8.2.1 as Clause 9.2.1

13.8 In Clause 9.2.1 omit “The” and insert “A” before “Large User must calculate”



- 13.9 In Clause 9.2.1 omit “shall only approve a different method of calculating emissions if the Large User Abatement Activity is not covered in the information referred to in clause 8.1.” and insert “may only approve a different method of calculating emissions if the Large User Abatement Activity is not covered in the latest versions of the NGGI Methodology Workbooks and Supplements.” after “The Scheme Administrator”
- 13.10 Renumber Clause 8.3 as Clause 9.3
- 13.11 In Clause 9.3 omit “shall” and insert “must” after “(eg coal mine waste gas), the following emissions”
- 13.12 Renumber Clause 8.4 as Clause 9.4
- 13.13 In Clause 9.4 omit “shall” and insert “must” after “Renewable Energy Sources only the following emissions”
- 13.14 Renumber Clause 8.5 as Clause 9.5
- 13.15 In Clause 9.5 omit “Large User Abatement Activity arises from a reduction in the emissions of perfluorocarbons, or sulphur hexafluoride, the calculation of emissions shall be” and insert “creation of LUACs involves a Large User Abatement Activity that reduces the emissions of perfluorocarbons, or sulphur hexafluoride, the calculation of emissions must be made” after “Where the”

**[14] Clause 10**

- 14.1 Renumber Clause 9 as Clause 10
- 14.2 Insert “It also allows, but does not necessarily require, emissions to be calculated per unit of industrial output.” in the Note after “calculated per unit of industrial output.”

**[15] Clause 10.1**

- 15.1 Renumber Clause 9.1 as Clause 10.1
- 15.2 Renumber Clause 9.1.1 as Clause 10.1.1
- 15.3 In Equation 1, Omit “*Emissions Abated* (in t CO<sub>2</sub>-e) is calculated in **Equation 2 to 5** below” and insert
- “*Emissions Abated* (in t CO<sub>2</sub>-e) is calculated:
- for activities that either increase the efficiency of on-site fuel use or replace higher emissions fuels with lower emissions fuels using Method 1; or

- for activities that either abate on-site Greenhouse Gas emissions created from industrial processes or abate on-site fugitive Greenhouse Gas emissions, using **Method 2**.
- 15.4 In **Equation 1**, omit “*Confidence Factor* depends on the type of engineering assessment performed under clause 9.2 and is assigned to the calculation according to clause 9.3.” and insert “*Confidence Factor* depends on the type of engineering assessment performed under clause 10.2 and is assigned to the calculation according to clause 10.3.”
- 15.5 Omit Clauses 9.1.2, 9.1.3, 9.1.4 and 9.1.5
- 15.6 Omit Equations 2, 3, 4 and 5 and the associated boxed text and insert **Method 1** and **Method 2** and the associated boxed text as follows:

**Method 1**

## Step (1)

Calculate emissions (in tonnes of carbon dioxide equivalent) associated with fuel use in that part of the production process that is the subject of the SAP prior to the implementation of the SAP by using clause 10.1 of the Generation Rule (*Emissions<sub>Before</sub>*)

This calculation must include all fuels used and both combustion and fugitive emissions.

This calculation may be expressed in terms of emissions per unit of industrial output where there is a direct relationship between emissions and production levels and where production levels are not reasonably constant (*Emissions per unit of industrial output<sub>Before</sub>*).

## Step (2)

Calculate emissions (in tonnes of carbon dioxide equivalent) associated with fuel use in the SAP after the implementation of the SAP using clause 10.1 of the Generation Rule (*Emissions<sub>After</sub>*).

The calculation must include all fuels used, and include both combustion and fugitive emissions.

If the calculation in Step 1 was expressed in terms of emissions per unit of industrial output, the calculation in Step 2 should be expressed in the same manner (*Emissions per unit of industrial output<sub>After</sub>*).

## Step (3)

Calculate the change in emissions (in tonnes of carbon dioxide equivalent), if any, in any other part of the production process that is caused by the implementation of the SAP (*Change<sub>Other Emissions</sub>*).

If the calculations in Steps 1 and 2 were expressed in terms of emissions per unit of industrial output, the calculation in Step 3 should be expressed in the same manner (*Change in emissions per unit of industrial output<sub>Other Emissions</sub>*).

## Step (4)

If the calculations in Steps 1-3 were not expressed in terms of emissions per unit of industrial output, calculate Emissions Abated (in tonnes of carbon dioxide equivalent) as follows:

$$\text{Emissions Abated} = \text{Emissions}_{\text{Before}} - \text{Emissions}_{\text{After}} + \text{Change}_{\text{Other Emissions}}$$

If the calculations in Steps 1 to 3 were expressed in terms of emissions per unit of industrial output, calculate Emissions Abated (in tonnes of carbon dioxide equivalent) as follows:

$$\text{Emissions abated} = (\text{Emissions per unit of industrial output}_{\text{Before}} - \text{Emissions per unit of industrial output}_{\text{After}} + \text{Change in emissions per unit of industrial output}_{\text{Other Emissions}}) \times \text{Total units of industrial output}$$

Where *Total units of industrial output* is calculated over same period as the claimed abatement."

**Method 2**

## Step (1)

Calculate total industrial or fugitive emissions (in tonnes of carbon dioxide equivalent) prior to the introduction of the SAP ("*Emissions<sub>Before</sub>*").

This must include all industrial or fugitive emissions associated with that part of the production process affected by the SAP.

## Step (2)

Calculate total industrial or fugitive emissions (in tonnes of carbon dioxide equivalent) after the introduction of the SAP ("*Emissions<sub>After</sub>*").

This must include all industrial or fugitive emissions associated with the SAP.

## Step (3)

Calculate the change in emissions (in tonnes of carbon dioxide equivalent), if any, in emissions elsewhere in the production process directly affected by the implementation of the SAP ("*Change<sub>Other Emissions</sub>*").

## Step (4)

Calculate emissions associated with the combustion of any industrial or fugitive emissions using Clause 10.1 of the Generation Rule ("*Emissions<sub>Combustion</sub>*").

## Step (5)

Calculate total emissions abated as follows:

$$\text{Emissions Abated} = \text{Emissions}_{\text{Before}} - \text{Emissions}_{\text{After}} + \text{Change}_{\text{Other Emissions}} + \text{Emissions}_{\text{Combustion}}$$

**[16] Clause 10.2**

16.1 Renumber Clause 9.2 as Clause 10.2

16.2 Omit "Abatement Certificate Providers choosing to use the Project Impact Assessment Method in respect of Greenhouse Gas abatement are, for the purposes of **Equations 2 to 5** to calculate the *Emissions Abated* using an engineering assessment or model:" and insert "Large Users using the Project Impact Assessment Method in respect of Greenhouse Gas abatement must, for the purposes of **Methods 1 and 2** calculate the *Emissions Abated* using an engineering assessment or model:"

**[17] Clause 10.2 (b)**

Omit "Accredited Abatement Certificate Provider, and the assessment is assigned a *Confidence Factor* under clause 9.3." and insert "Large User, but the assessment is assigned a *Confidence Factor* under

clause 10.3,” after “in which the methods, models and formulae used to assess the *Emissions Abated* are chosen by the”

**[18] Clause 10.2 (c) (i)**

Omit “, or for the purposes of section 9.4 a typical SAP thereof, compared with its replacement” and insert “that are directly affected by the SAP, including those that are affected elsewhere in the production process;” after “on all Greenhouse Gas emissions”

**[19] Clause 10.3**

19.1 Renumber Clause 9.3 as Clause 10.3

19.2 Omit Clause 10.3 and insert

“The *Confidence Factor* is:

- (a) 1.0, if the engineering assessment determines Greenhouse Gas emissions to a high level of accuracy based on accurate records of:
  - (i) the quantity and quality of fuel actually used on-site (if relevant) and
  - (ii) the quantity and composition of industrial or fugitive emissions (based on continuous monitoring technology), or
- (b) 0.80, if the engineering assessment is based on estimated, rather than actual, data. However, the Scheme Administrator may allow the Large User to use a Confidence Factor of 1.0 if it is of the view that the estimation technique would yield an equivalent level of accuracy as records of actual fuels used or actual industrial or fugitive emissions.”

**[20] Clause 10.4**

20.1 Renumber Clause 9.4 as Clause 10.4

20.2 Omit, and insert

“For new equipment that does not replace existing equipment, process or system a Large User must demonstrate to the satisfaction of the Scheme Administrator, before being entitled to create the *Number of LUACs* calculated under clause 10.1, that the Greenhouse Gas emissions associated with the new equipment is lower than:

- (a) the typical Greenhouse Gas emissions for such existing equipment, process or system having the same function, output, standard or service:
  - (i) in New South Wales; or

(ii) if there is no such existing equipment, process or system in New South Wales, in Australia; or

(b) if there is no value that can be determined under (a), a level of Greenhouse Gas emissions for such existing equipment, process or system as determined by the Scheme Administrator.

by reference to:

(c) any benchmarking or performance indicators established and published by a body recognised by the Scheme Administrator, including industry associations; or

(d) the type of equipment, process, or system and level of emissions considered typical for such equipment, process or system taking into account existing installations of this type of equipment, process, or system.”

**[21] Clause 11**

21.1 Renumber Clause 10 as Clause 11

21.2 Omit “but abatement arising by producing a less greenhouse intensive mix of products or from a less greenhouse intensive mix of inputs” in the Note in Clause 11 after “the same product mix and input material mix”

**[22] Clause 11.1**

22.1 Renumber Clause 10.1 to Clause 11.1

22.2 Omit, and insert new clause 11.1 as follows:

**“11.1 Number of LUACs created using the Baseline Method for Existing Plant**

11.1.1 Using the Baseline Method for Existing Plant, *Number of NGACs*, in any year, is calculated by multiplying the difference between the actual output Emission Intensity of the Existing Plant in that year and the *Baseline Emission Intensity for an Existing Plant*, by the total units of industrial output from the Existing Plant in that year, with a correction for changes in the product and input mix.

11.1.2 For the purposes of using the Baseline Method for Existing Plant, the appropriate unit of output is to be determined by the Scheme Administrator. Units of output must refer to physical units of output.

11.1.3 Where the Large User Abatement Activity relates to reducing missions per unit of industrial output occurring at an Existing Plant, the number of LUACs must be determined by reference to a *Baseline Emission Intensity* calculated in accordance with this section 11.2.”

**[23] Clause 11.2**

23.1 Renumber Clause 10.2 as Clause 11.2

23.2 Renumber Equation 6 as Equation 2

23.3 Omit from Equation 2 “*Baseline Emission Intensity for an Existing Plant* is in t CO<sub>2</sub>-e per Unit of Industrial Output” and insert “*Baseline Emission Intensity for an Existing Plant* is in t CO<sub>2</sub>-e per unit of industrial output”

23.4 Insert “have” in Equation 2 after “adjustment must be made for periods during which the mix of inputs and/or outputs”

23.5 Insert in Equation 2 “Where insufficient data are available to calculate the *Baseline Emission Intensity for an Existing Plant* for the years 1997-2001, the Scheme Administrator may approve an extrapolation from existing data, or a model estimating emissions for this period.” after “production data should be taken from those periods when the whole plant was operating typically and fully.”

**[24] Clause 11.3**

24.1 Renumber Clause 10.3 as Clause 11.3

24.2 Omit Clause 11.3 and insert the following:

“11.3.1 Large Users using the Baseline Method for Existing Plant to calculate the Number of NGACs must, if required by the Scheme Administrator:

- (a) submit a production equation approved by the Scheme Administrator (“Production Equation”) that describes the relationship between Emission Intensity and total units of industrial output in a year, based on at least the period used to calculate the Baseline Emission Intensity for an Existing Plant in Equation 2 or longer, if necessary, to demonstrate that relationship, with documentation supporting and justifying the equation. If the Existing Plant has been operating less than 3 years, a Production Equation based on theoretical models may be approved by the Scheme Administrator;
- (b) submit a product equation approved by the Scheme Administrator (“Product Equation”) that describes the relationship between Emission Intensity and different proportions of different products, and different quality products, based on at least the period used to calculate the Baseline Emission Intensity for an Existing Plant in Equation 2 or longer, if necessary, to demonstrate that relationship, with documentation supporting and justifying the equation. If the Existing Plant has been operating less than 3 years, a Product Equation based on theoretical models may be approved by the Scheme Administrator; and
- (c) submit an input equation approved by the Scheme Administrator (“Input Equation”) that describes the relationship between Emission Intensity and different types of different process inputs, based on at least the period used to calculate the Baseline Emission Intensity for an Existing Plant in Equation 2 or longer, if necessary, to demonstrate that relationship, with documentation supporting and justifying the equation. If the Existing Plant has been operating less than 3 years, or if data are unavailable, an Input Equation based on theoretical models may be approved by the Scheme Administrator.

Note: The Emission Intensity for any industrial plant may vary depending on the total level of output, the type and quality of inputs and the mix of products produced. Clause 11.3.1 takes these effects into account.

11.3.2 Once the Production Equation, Product Equation and Input Equation are established, the corrected Baseline Emission Intensity for an Existing Plant for the year for which LUACs are



being created, is to be corrected and is equal to the Baseline Emission Intensity for an Existing Plant for the total units of industrial output, the equivalent mix of products and the equivalent mix of inputs for that year using the Production Equation, Product Equation and Input Equation.

Note: The corrected Baseline Emission Intensity represents the Emission Intensity that would have applied in the years 1997 to 2001 had the mix of inputs, the mix of outputs and the total units of industrial output been the same as the year for which LUACs are being created.”

**[25] Clause 12**

25.1 Renumber Clause 11 as Clause 12

25.2 Before Clause 12.2 (formerly Clause 11.1) insert Clause 12.1 as follows:

**“12.1 Number of LUACs created using the Baseline Method for Plant Extensions or New Plant**

Using the Baseline Method for Plant Extensions or New Plant, *Number of LUACs* is calculated by multiplying the difference between the actual Emission Intensity of the Plant Extension or New Plant in any year and the corrected *Existing Industry Average Emission Intensity* for that year by the total units of industrial output from the Plant Extension or the New Plant in that year.”

**[26] Clause 12.2**

26.1 Renumber Clause 11.1 as Clause 12.2

26.2 Omit all references to “**Equation 7**” and insert references to “**Equation 3**”

26.3 Omit “for Large User Abatement Activity between 2003 and 2007 is calculated in accordance with **Equation 7** and insert “that commenced Commercial Operation between 2003 and 2007 must be calculated in accordance with **Equation 3**” after “A *Baseline Emission Intensity* for Plant Extensions or New Plant”

26.4 In Equation 3 omit “<sup>s</sup> Total Industry Output” and insert “<sup>s</sup> Total Industrial Output ”

26.5 In Equation 3 omit

- “*Baseline Emission Intensity for a Plant Extension of New Plant* is in t CO<sub>2</sub>-e per Unit of Industrial Output in a year.
- *Existing Industry Average Emission Intensity* is in t CO<sub>2</sub>-e per Unit of Industrial Output in a year.”

and insert

- “*Baseline Emission Intensity for a Plant Extension of New Plant* is in t CO<sub>2</sub>-e per unit of industrial output in a year.
- *Existing Industry Average Emission Intensity* is in t CO<sub>2</sub>-e per unit of industrial output in a year.”

**[27] Clause 12.3**

27.1 Renumber Clause 11.2 as Clause 12.3

27.2 Omit “for Large User Abatement Activity between 2008 and 2012 is calculated in accordance with **Equation 7**” and insert “that commenced Commercial Operation between 2008 and 2012 must be calculated in accordance with **Equation 3**” after “A *Baseline Emission Intensity* for Plant Extensions or New Plant”

**[28] Clause 12.4**

Renumber Clause 11.3 as Clause 12.4

**[29] Clause 12.4.1**

29.1 Renumber Clause 11.3.1 as Clause 12.4.1

29.2 Omit all references to “**Equation 7**” and insert references to “**Equation 3**”

**[30] Clause 12.4.1 (b)**

30.1 Omit Clause 12.4.1 (b) and insert

- “(b) if none in Australia, a level of Greenhouse Gas emissions for such existing equipment, process or system as determined by the Scheme Administrator having regard to its estimate of typical industry practice.”

30.2 Omit former Clause 11.3.2 “In the event that there are no reasonably accurate data available, the *Baseline Emission Intensity* will be determined by the Scheme Administrator having regard to its estimate of typical industry practice.”

**[31] Clause 12.5**

31.1 Renumber Clause 11.4 as Clause 12.5

31.2 Omit "Production, Product and Input Equations which conform with the principles set out in clause 10.3 with reference to all comparable plant in NSW" and insert "a Production Equation, Product Equation and Input Equation which conform with the principles set out in clause 11.3 with reference to all comparable plant in NSW" after "by the Scheme Administrator submit"

31.3 Omit former Clause 11.5

**"Number of LUACs Created using the Baseline Method for Plant Extensions or New Plant**

The *Number of LUACs* that may be created is calculated by multiplying the difference between the actual Emission Intensity of the Plant Extension or New Plant in any year and the corrected *Existing Industry Average Emission Intensity* for that year by the total units of industrial output from the Plant Extension or the New Plant in that year."

**[32] Clause 13**

Renumber Clause 12 as Clause 13

**[33] Clause 13.1**

33.1 Renumber Clause 12.1 as Clause 13.1

33.2 Insert the definition "**Commercial Operation**" means receiving any payment for industrial output produced from the Plant Extension or New Plant, excluding for production during any periods of testing to meet licence conditions prior to approval to operate." before the definition for "Demand Side Abatement Rule"

33.3 In the definition for "**Demand Side Abatement Rule**" omit "(*demand Side*" and insert "(*Demand Side*" after "means the *Greenhouse Gas Benchmark Rule*"

33.4 In the definition for "**Existing Plant**" insert "1" before "January".

33.5 Insert the definition "**Large User Abatement Activity**" has the meaning given to it under clause 7 of this Rule." after the definition for "GGAP"

33.6 Omit the definition for "**LUAC**" and insert "**LUAC**" (Large User Abatement Certificate) means a non-transferable abatement certificate under section 97F of the Act, which is created in accordance with this Rule."

- 33.7 After the definition for “**LUAC**” insert the existing definition for “**New Plant**”
- 33.8 Amend the title of the definition for “**National Greenhouse Gas Inventory**” to “**“NGGI”** (National Greenhouse Gas Inventory)”
- 33.9 Omit the definition for “**NGAC**” and insert “**“NGAC”** (New South Wales Greenhouse Abatement Certificate) means a transferable abatement certificate under section 97F of the Act) which is created in accordance with the Generation Rule, the Demand Side Abatement Rule or the Sequestration Rule.”
- 33.10 In the definition for “**Plant Extension**” omit  
“(a) which creates capacity by more than 10%; and”  
and insert  
“(a) which increases capacity by more than 10%; and”
- 33.11 In the definition for “**Regulations**” omit “*Electricity Supply (Greenhouse Gas Emissions Reduction) Regulations 2002* (NSW)” and insert “regulations made pursuant to Part 8A of the Act”.
- 33.12 Omit the definition for “**Specific Abatement Project**” and insert “**“SAP”** (Specific Abatement Project) is a project completed after 1 January 2002 in which a change to an industrial process results in an identifiable and measurable reduction in Greenhouse Gas emissions.”
- 33.13 Insert the definition “**“Sequestration Rule”** means the *Greenhouse Gas Benchmark Rule (Carbon Sequestration) No. 5 of 2003.*” after the definition for “**SAP (Specific Abatement Project)**”
- 33.14 In the definition for “**the Act**” omit “as amended by the Electricity Supply Amendment (Greenhouse Gas Emissions Reduction) Act 2002” after “*Electricity Supply Act 1995*”

**[34] Clause 13.2**

Renumber Clause 12.2 as Clause 13.2

**[35] Clause 13.3**

35.1 Renumber Clause 12.3 as Clause 13.3

35.2 In Clause 13.3 omit “or as defined in the Regulations” after “as defined in Part 8A of the Act”

## SCHEDULE 2

### **Greenhouse Gas Benchmark Rule (Large User Abatement Certificates) No. 4 of 2003**

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Frank Ernest Sartor, MP  
Minister for Energy and Utilities

#### **1 Name and commencement**

This rule is the *Greenhouse Gas Benchmark Rule (Large User Abatement Certificates) No. 4 of 2003* and commences on 3 October 2003. At its commencement, this Rule is to be taken as having amended the *Greenhouse Gas Benchmark Rule (Large User Abatement Certificates) No. 4 of 2003* that commenced on 1 January 2003, to the extent that this Rule differs from that Rule.

#### **2 Objects of the Rule**

The object of this Rule is to provide specific arrangements for the creation and calculation of Large User Abatement Certificates (LUACs) through the abatement of on-site production-related emissions. This Rule aims to reduce on-site greenhouse emissions not directly related to electricity consumption.

#### **3 Application of the Rule**

Without limiting the persons to whom this Rule applies, this Rule applies to Large Users accredited to create LUACs in accordance with the Act and the Regulations.

#### **4 Status and Operation of the Rule**

This Rule is a Greenhouse Gas Benchmark Rule made under Part 8A of the Act.

#### **5 Eligibility to be an Accredited Abatement Certificate Provider in respect of Large User Abatement Activities**

The Scheme Administrator may accredit as Accredited Abatement Certificate Providers in respect of Large User Abatement Activities (such accredited persons being "Large Users" for the purpose of this Rule):

- (a) Large Customers who have elected to become a Benchmark Participant;
- (b) persons engaged in carrying out State Significant Development who have elected to become a Benchmark Participant; or
- (c) Market Customers (other than Retail Suppliers) who qualify as a Large Customer.

(Referred to collectively in this Rule as Large Users)

## 6 Persons Eligible to Create LUACs under this Rule

Despite any other provision in this Rule, only Accredited Abatement Certificate Providers accredited in respect of Large User Abatement Activities for the purpose set out in clause 5 may create LUACs under this Rule.

## 7 Activities that constitute Large User Abatement Activities

7.1 Large User Abatement Activities are activities carried out by a Large User which;

- (a) increase the efficiency of on-site fuel use;
- (b) replace higher-emissions fuels with lower emissions fuels;
- (c) abate on-site Greenhouse Gas emissions created from industrial processes;  
or
- (d) abate on-site fugitive Greenhouse Gas emissions

and that meet the following criteria:

- (e) the emissions associated with the abatement must be of a category reported in the NGGI;

Note: There are some actions which may reduce emissions, but which for the time being lie outside the scope of the NGGI – for example, the abatement of spontaneous combustion emissions from coal. Such actions cannot create LUACs.

- (f) the abatement must be of emissions occurring at a metered site or sites in New South Wales owned or occupied by a Large User, and the Large User or its related body corporate is responsible as a Benchmark Participant for electricity consumed at that site;
- (g) the abatement must not occur as a result of compliance with statutory requirements; and

Note: Abatement beyond what would occur from meeting minimum statutory levels could create LUACs.

- (h) the abatement must have occurred after 1 January 2003

7.2 Large User Abatement Activities do not include activities:

- (a) in which measures impacting on electricity supply or use could lead to the creation of NGACs under the Generation Rule or Demand Side Abatement Rule;
- (b) which, in the course of carrying out the activity results in an emission reported in the following sections of the NGGI:
  - (i) “Agriculture”;

- (ii) “Land Use Change and Forestry”; or
  - (iii) the “Transport” subsection of “Energy”.
- (c)

Note: The following are examples of activities which may create LUACs:

- **Stationary fuel use:** increases in the efficiency of on-site use of fuels or substitution of higher-emissions fuels with lower-emissions fuels could be considered for LUAC eligibility.
- **Fugitive emissions from coal mining which arise at the site of the Large User:** the capture and combustion of coal mine waste methane instead of venting it to atmosphere could lead to significant emissions reductions. However, the capture must be from an operating mine (the NGGI methodology does not cover emissions from closed mines). If the methane is used in an electricity generation project it cannot create LUACs.
- **Fugitive emissions:** reducing fugitive emissions from the production and refining of natural gas and hydrocarbons may be considered for LUAC eligibility.
- **Industrial processes:** the NGGI records significant emissions of Greenhouse Gas from the Chemicals, Iron and Steel, Aluminium, Cement and Other Mineral Products industries emissions from these processes could result in eligibility to create LUACs.
- **Fugitive CH<sub>4</sub> emissions from landfills located at the Large User site/s and owned or controlled by the Large User:** the capture and combustion of on-site landfill methane instead of venting it to atmosphere could lead to significant emissions reductions. But methane which is used in an electricity generation project and which creates RECs or NGACs is not an activity which creates LUACs.

The following are not examples of increasing the efficiency of on-site fuel use:

- Closing down part of a plant that used a fuel, and not replacing that part of the plant’s productive capacity elsewhere.
- Moving part of a production process that used a fuel to another site in another jurisdiction.

## 8 Creation of LUACs from Large User Abatement Activities

### 8.1 Number of LUACs that may be created from Large User Abatement Activities

In respect of any Large User Abatement Activity, the Large User may create the *Number of LUACs* calculated using:

- (a) in respect of SAPs, the Project Impact Assessment Method in clause 10;
- (b) in respect of Existing Plant, the Baseline Method for Existing Plant in clause 11; or

- (c) in respect of Plant Extensions or New Plant, the Baseline Method for Plant Extensions or New Plant in clause 12.

## 8.2 Adjustment of number of LUACs that may be created for GGAP funded projects

Despite any other provision in this Rule, if on or after 1 January 2003 approval for GGAP funding has been granted for a project, the maximum number of LUACs that an Abatement Certificate Provider can create under this Rule from the number of tonnes of carbon dioxide equivalent of Greenhouse Gas emissions abated by the project equals the percentage of the total number of LUACs that it is otherwise entitled to create under this Rule from that project corresponding to the percentage of project funding that is not provided by GGAP.

Note: For example, if GGAP funding represents 20% of total project funding, then the project developer can only create LUACs for 80% of the eligible abatement achieved.

## 9 Calculation of Emissions

### 9.1 Identification and Quantification of Emissions

9.1.1 For the purpose of applying the Project Impact Assessment Method, all emissions of:

- (a) carbon dioxide;
- (b) methane;
- (c) nitrous oxide;
- (d) perfluorocarbons; and
- (e) sulphur hexafluoride

occurring at the Large User's site/s as a result of implementation of the SAP must be identified and quantified for each SAP for which the Project Impact Assessment Method is being applied.

9.1.2 For the purpose of applying the Baseline Method for Existing Plant in clause 11 or the Baseline Method for Plant Extensions or New Plant in clause 12, the Large User must identify and quantify the following emissions for the whole of the site for which the relevant Baseline Method is being applied:

- (a) carbon dioxide;
- (b) methane;
- (c) nitrous oxide;
- (d) perfluorocarbons; and
- (e) sulphur hexafluoride,

occurring at the Large User's site/s as a result of:

- (i) fuel combustion;



- (ii) fugitive emissions;
- (iii) industrial processes; or
- (iv) anaerobic decomposition of liquid or solid waste.

## 9.2 Method of Calculation

- 9.2.1 A Large User must calculate emissions either according to the methodologies and Emission Factors in the latest versions of the NGGI Methodology Workbooks and Supplements published by the Australian Greenhouse Office, or by another method, provided that such method is approved by the Scheme Administrator. The Scheme Administrator may only approve a different method of calculating emissions if the Large User Abatement Activity is not covered in the latest versions of the NGGI Methodology Workbooks and Supplements.

Note: Emission Factors are used to calculate Greenhouse Gas emissions by multiplying the factor (eg tonnes of CO<sub>2</sub>-e per GJ of gas) with activity data (such as GJ of gas).

## 9.3 Calculation of Emissions from Combustion of Coal, Petroleum Fuels, Natural Gas or Waste Methane from Fossil Sources

Where the creation of LUACs involves calculating the emissions from the combustion of coal, petroleum fuels, natural gas or waste methane from fossil sources (eg coal mine waste gas), the following emissions must be taken into account:

- (a) CO<sub>2</sub> emissions at the point of combustion, calculated using the CO<sub>2</sub> Emission Factors for that fuel type in the Generation Rule. Another CO<sub>2</sub> Emission Factor may be accepted by the Scheme Administrator if the Large User can justify its adoption and document its application;
- (b) CH<sub>4</sub> and N<sub>2</sub>O emissions at the point of combustion, calculated using the CH<sub>4</sub> and N<sub>2</sub>O Emission Factors for that fuel-equipment combination in the Generation Rule. Other CH<sub>4</sub> or N<sub>2</sub>O Emission Factors may be accepted by the Scheme Administrator if the Large User can justify their adoption and document their application;
- (c) fugitive CO<sub>2</sub> and CH<sub>4</sub> emissions associated with the production of the fuel, calculated using the fugitive CO<sub>2</sub> and CH<sub>4</sub> Emission Factors in the Generation Rule. Other CO<sub>2</sub> or CH<sub>4</sub> Emission Factors may be accepted by the Scheme Administrator if the Large User can justify their adoption and document their application; and
- (d) for waste methane, CH<sub>4</sub> emissions avoided through combustion of the fuel, calculated using the CH<sub>4</sub> Emission Factors in the Generation Rule. Another CH<sub>4</sub> Emission Factor may be accepted by the Scheme Administrator if the Large User can justify its adoption and document its application.

## 9.4 Calculation of Emissions from the Combustion of Renewable Energy Sources

Where the creation of LUACs involves calculating the emissions from the combustion of Renewable Energy Sources only the following emissions must be taken into account:

- (a) CH<sub>4</sub> and N<sub>2</sub>O emissions at the point of combustion, calculated using the CH<sub>4</sub> and N<sub>2</sub>O Emission Factors for that fuel equipment combination in the Generation Rule. Other CH<sub>4</sub> or N<sub>2</sub>O Emission Factors may be accepted by the Scheme Administrator if the Large User can justify their adoption and document their application; and
- (b) for waste methane, CH<sub>4</sub> emissions avoided through combustion of the fuel, calculated using the CH<sub>4</sub> Emission Factors referred to in the Generation Rule. Another CH<sub>4</sub> Emission Factor may be accepted by the Scheme Administrator if the Large User can justify its adoption and document its application.

### 9.5 Calculation of Reduction in Emissions of Perfluorocarbons or Sulphur Hexafluoride

Where the creation of LUACs involves a Large User Abatement Activity that reduces the emissions of perfluorocarbons, or sulphur hexafluoride, the calculation of emissions must be made in accordance with the NGGI using a method approved by the Scheme Administrator.

## 10 Specific Abatement Projects

Where a Large User implements a SAP which leads to reduced Greenhouse Gas emissions, it may create LUACs arising directly from that SAP. Any impact of the SAP which may increase Greenhouse Gas emissions from other parts of its operations must be taken into account in calculating the *Number of LUACs* able to be created. The *Number of LUACs* arising from a SAP must be calculated using the Project Impact Assessment Method.

Note: The Project Impact Assessment Method can be used to assess the impact of a SAP. It does not require emissions from the whole plant to be calculated or for emissions to be calculated per unit of industrial output. It also allows, but does not necessarily require, emissions to be calculated per unit of industrial output.

### 10.1 *Number of LUACs* under the Project Impact Assessment Method

- 10.1.1 Using the Project Impact Assessment Method, *Number of LUACs* is calculated using **Equation 1**.

#### Equation 1

Number of LUACs = Emissions Abated x Confidence Factor

Where:

- *Number of LUACs* is in t CO<sub>2</sub>-e abated
- *Emissions Abated* (in t CO<sub>2</sub>-e) is calculated:
  - for activities that either increase the efficiency of on-site fuel use or replace higher emissions fuels with lower emissions fuels using Method 1; or
  - for activities that either abate on-site Greenhouse Gas emissions created from industrial processes or abate on-site fugitive Greenhouse Gas emissions, using Method 2.
- *Confidence Factor* depends on the type of engineering assessment performed under clause 10.2 and is assigned to the calculation according to clause 10.3.

#### Method 1

## Step (1)

Calculate emissions (in tonnes of carbon dioxide equivalent) associated with fuel use in that part of the production process that is the subject of the SAP prior to the implementation of the SAP by using clause 10.1 of the Generation Rule (*Emissions<sub>Before</sub>*)

This calculation must include all fuels used and both combustion and fugitive emissions.

This calculation may be expressed in terms of emissions per unit of industrial output where there is a direct relationship between emissions and production levels and where production levels are not reasonably constant (*“Emissions per unit of industrial output<sub>Before</sub>”*).

## Step (2)

Calculate emissions (in tonnes of carbon dioxide equivalent) associated with fuel use in the SAP after the implementation of the SAP using clause 10.1 of the Generation Rule (*“Emissions<sub>After</sub>”*).

The calculation must include all fuels used, and include both combustion and fugitive emissions.

If the calculation in Step 1 was expressed in terms of emissions per unit of industrial output, the calculation in Step 2 should be expressed in the same manner (*Emissions per unit of industrial output<sub>After</sub>*).

## Step (3)

Calculate the change in emissions (in tonnes of carbon dioxide equivalent), if any, in any other part of the production process that is caused by the implementation of the SAP (*“Change<sub>Other Emissions</sub>”*).

If the calculations in Steps 1 and 2 were expressed in terms of emissions per unit of industrial output, the calculation in Step 3 should be expressed in the same manner (*“Change in emissions per unit of industrial output<sub>Other Emissions</sub>”*).

## Step (4)

If the calculations in Steps 1-3 were not expressed in terms of emissions per unit of industrial output, calculate Emissions Abated (in tonnes of carbon dioxide equivalent) as follows:

$$\text{Emissions Abated} = \text{Emissions}_{\text{Before}} - \text{Emissions}_{\text{After}} + \text{Change}_{\text{Other Emissions}}$$

If the calculations in Steps 1 to 3 were expressed in terms of emissions per unit of industrial output, calculate Emissions Abated (in tonnes of carbon dioxide equivalent) as follows:

$$\text{Emissions abated} = (\text{Emissions per unit of industrial output}_{\text{Before}} - \text{Emissions per unit of industrial output}_{\text{After}} + \text{Change in emissions per unit of industrial output}_{\text{Other Emissions}}) \times \text{Total units of industrial output}$$

Where *Total units of industrial output* is calculated over same period as the claimed abatement.

**Method 2****Step (1)**

Calculate total industrial or fugitive emissions (in tonnes of carbon dioxide equivalent) prior to the introduction of the SAP (“*Emissions<sub>Before</sub>*”).

This must include all industrial or fugitive emissions associated with that part of the production process affected by the SAP.

**Step (2)**

Calculate total industrial or fugitive emissions (in tonnes of carbon dioxide equivalent) after the introduction of the SAP (“*Emissions<sub>After</sub>*”).

This must include all industrial or fugitive emissions associated with the SAP.

**Step (3)**

Calculate the change in emissions (in tonnes of carbon dioxide equivalent), if any, in emissions elsewhere in the production process directly affected by the implementation of the SAP (“*Change<sub>Other Emissions</sub>*”).

**Step (4)**

Calculate emissions associated with the combustion of any industrial or fugitive emissions using Clause 10.1 of the Generation Rule (“*Emissions<sub>Combustion</sub>*”).

**Step (5)**

Calculate total emissions abated as follows:

$$Emissions\ Abated = Emissions_{Before} - Emissions_{After} + Change_{Other\ Emissions} + Emissions_{Combustion}$$

**10.2 Engineering assessment of impact of a SAP**

Large Users using the Project Impact Assessment Method in respect of Greenhouse Gas abatement must, for the purposes of **Methods 1 and 2** calculate the *Emissions Abated* using an engineering assessment or model:

- (a) that uses reasonable assumptions and generally accepted engineering methods, models and formulae;
- (b) in which the methods, models and formulae used to assess the *Emissions Abated* are chosen by the Large User, but the assessment is assigned a *Confidence Factor* under clause 10.3, reflecting the accuracy of the engineering assessment conducted; and
- (c) that takes account of:

- (i) the impact of the implementation of the SAP on all Greenhouse Gas emissions that are directly affected by the SAP, including those that are affected elsewhere in the production process;
- (ii) the performance of the equipment, systems or processes changed by implementation of the SAP, including degradation over time; and
- (iii) the operating characteristics of the equipment, systems or processes, including hours of use, degree of loading, usage, operating patterns and behaviour, ambient conditions and any other relevant factors changed by the implementation of the SAP.

### 10.3 Confidence Factor

The *Confidence Factor* is:

- (a) 1.0, if the engineering assessment determines Greenhouse Gas emissions to a high level of accuracy based on accurate records of:
  - (i) the quantity and quality of fuel actually used on-site (if relevant) and
  - (ii) the quantity and composition of industrial or fugitive emissions (based on continuous monitoring technology), or
- (b) 0.80, if the engineering assessment is based on estimated, rather than actual, data. However, the Scheme Administrator may allow the Large User to use a Confidence Factor of 1.0 if it is of the view that the estimation technique would yield an equivalent level of accuracy as records of actual fuels used or actual industrial or fugitive emissions.

### 10.4 New equipment that does not replace existing equipment, process or system to be better than typical equipment

For new equipment that does not replace existing equipment, process or system a Large User must demonstrate to the satisfaction of the Scheme Administrator, before being entitled to create the *Number of LUACs* calculated under clause 10.1, that the Greenhouse Gas emissions associated with the new equipment is lower than:

- (a) the typical Greenhouse Gas emissions for such existing equipment, process or system having the same function, output, standard or service:
  - (i) in New South Wales; or
  - (ii) if there is no such existing equipment, process or system in New South Wales, in Australia; or
- (b) if there is no value that can be determined under (a), a level of Greenhouse Gas emissions for such existing equipment, process or system as determined by the Scheme Administrator.

by reference to:

- (c) any benchmarking or performance indicators established and published by a body recognised by the Scheme Administrator, including industry associations; or

- (d) the type of equipment, process, or system and level of emissions considered typical for such equipment, process or system taking into account existing installations of this type of equipment, process, or system. .

## 11 Baseline Method for Existing Plant

Note: the Baseline Method for Existing Plant is likely to be most effective where an Existing Plant produces a single product or a limited range of products where the Greenhouse Gas Intensity can be described by a simple equation. The Baseline Method for Existing Plant should reward abatement for the same product mix and input material mix.

### 11.1 Number of LUACs created using the Baseline Method for Existing Plant

- 11.1.1 Using the Baseline Method for Existing Plant, *Number of NGACs*, in any year, is calculated by multiplying the difference between the actual output Emission Intensity of the Existing Plant in that year and the *Baseline Emission Intensity for an Existing Plant*, by the total units of industrial output from the Existing Plant in that year, with a correction for changes in the product and input mix.
- 11.1.2 For the purposes of using the Baseline Method for Existing Plant, the appropriate unit of output is to be determined by the Scheme Administrator. Units of output must refer to physical units of output.
- 11.1.3 Where the Large User Abatement Activity relates to reducing emissions per unit of industrial output occurring at an Existing Plant, the number of LUACs must be determined by reference to a *Baseline Emission Intensity* calculated in accordance with this section 11.2.

### 11.2 Calculation of *Baseline Emission Intensity* for Existing Plant

A *Baseline Emission Intensity* for an Existing Plant is calculated in accordance with **Equation 2**.

#### Equation 2

$$\text{Baseline Emission Intensity for an Existing Plant} = \frac{\text{Emissions}}{S} / \frac{\text{Output}}{S}$$

Where:

- *Baseline Emission Intensity for an Existing Plant* is in t CO<sub>2</sub>-e per unit of industrial output.
- *Emissions* is total Greenhouse Gas emissions from an Existing Plant in a year.
- *Output* is the total units of industrial output of an Existing Plant in a year.
- *S* is for each of the years 1997 to 2001.

In applying **Equation 2** an adjustment must be made for periods during which the mix of inputs and/or outputs have varied; and

- (i) there was atypically low output due to rebuilds or other extended off-line periods; or
- (ii) not all of the plant was commissioned

in which case production data should be taken from those periods when the whole plant was operating typically and fully. Where insufficient data are available to calculate the *Baseline Emission Intensity for an Existing Plant* for the years 1997-2001, the Scheme Administrator may approve an extrapolation from existing data, or a model estimating emissions for this period.

### 11.3 Production, Product and Input Equations

11.3.1 Large Users using the Baseline Method for Existing Plant to calculate the *Number of NGACs* must, if required by the Scheme Administrator:

- (a) submit a production equation approved by the Scheme Administrator (**“Production Equation”**) that describes the relationship between Emission Intensity and total units of industrial output in a year, based on at least the period used to calculate the *Baseline Emission Intensity for an Existing Plant* in **Equation 2** or longer, if necessary, to demonstrate that relationship, with documentation supporting and justifying the equation. If the Existing Plant has been operating less than 3 years, a Production Equation based on theoretical models may be approved by the Scheme Administrator;
- (b) submit a product equation approved by the Scheme Administrator (**“Product Equation”**) that describes the relationship between Emission Intensity and different proportions of different products, and different quality products, based on at least the period used to calculate the *Baseline Emission Intensity for an Existing Plant* in **Equation 2** or longer, if necessary, to demonstrate that relationship, with documentation supporting and justifying the equation. If the Existing Plant has been operating less than 3 years, a Product Equation based on theoretical models may be approved by the Scheme Administrator; and
- (c) submit an input equation approved by the Scheme Administrator (**“Input Equation”**) that describes the relationship between Emission Intensity and different types of different process inputs, based on at least the period used to calculate the *Baseline Emission Intensity for an Existing Plant* in **Equation 2** or longer, if necessary, to demonstrate that relationship, with documentation supporting and justifying the equation. If the Existing Plant has been operating less than 3 years, or if data are unavailable, an Input Equation based on theoretical models may be approved by the Scheme Administrator.

Note: The Emission Intensity for any industrial plant may vary depending on the total level of output, the type and quality of inputs and the mix of products produced. Clause 11.3.1 takes these effects into account.

11.3.2 Once the Production Equation, Product Equation and Input Equation are established, the corrected *Baseline Emission Intensity for an Existing Plant* for the year for which LUACs are being created, is to be corrected and is equal to the *Baseline Emission Intensity for an Existing Plant* for the total units of industrial output, the equivalent mix of products and the equivalent mix of inputs for that year using the Production Equation, Product Equation and Input Equation.

Note: The corrected *Baseline Emission Intensity* represents the Emission Intensity that would have applied in the years 1997 to 2001 had the mix of inputs, the mix of outputs and the total units of industrial output been the same as the year for which LUACs are being created.

## 12 Baseline Method for Plant Extensions or New Plant

### 12.1 Number of LUACs created using the Baseline Method for Plant Extensions or New Plant

Using the Baseline Method for Plant Extensions or New Plant, *Number of LUACs* is calculated by multiplying the difference between the actual Emission Intensity of the Plant Extension or New Plant in any year and the corrected *Existing Industry Average Emission Intensity* for that year by the total units of industrial output from the Plant Extension or the New Plant in that year.

### 12.2 Large User Abatement Activity for Plant Extensions or New Plant between 2003 and 2007

A *Baseline Emission Intensity* for Plant Extensions or New Plant that commenced Commercial Operation between 2003 and 2007 must be calculated in accordance with **Equation 3**.

#### Equation 3

Baseline Emission Intensity for an Plant Extension or New Plant = Existing Industry Average Emission Intensity

$$\text{Existing Industry Average Emission Intensity} = \frac{\text{Total Industry Emissions}}{\text{Total Industrial Output}}$$

*s*

Where:

- *Baseline Emission Intensity for a Plant Extension of New Plant* is in t CO<sub>2</sub>-e per unit of industrial output in a year.
- *Existing Industry Average Emission Intensity* is in t CO<sub>2</sub>-e per unit of industrial output in a year.
- *Total Industry Emissions* is total Greenhouse Gas emissions from all comparable plants producing comparable products from comparable inputs in NSW in that year.
- *Total Industrial Output* is the total units of industrial output of all comparable plants producing comparable products from comparable inputs in NSW in that year.
- *S* is for each of the years 1997 to 2001.

### 12.3 Large User Abatement Activity for Plant Extensions or New Plant between 2008 and 2012

A *Baseline Emission Intensity* for Plant Extensions or New Plant that commenced Commercial Operation between 2008 and 2012 must be calculated in accordance with **Equation 3** but where *S* is for each of the years 2002 to 2006.



## 12.4 Comparable Plant Extensions and New Plant

12.4.1 For the Purpose of applying **Equation 3**, in the event that there is no comparable plant in New South Wales the *Baseline Emission Intensity* is to be calculated by reference to the average Emission Intensity of all comparable plant of that type that commenced operation in:

- (a) Australia; or
- (b) if none in Australia, a level of Greenhouse Gas emissions for such existing equipment, process or system as determined by the Scheme Administrator having regard to its estimate of typical industry practice.

## 12.5 Production, Product and Input Equations

Large Users seeking to create LUACs via the Baseline Method for Plant Extensions or New Plant must, if required by the Scheme Administrator submit a Production Equation, Product Equation and Input Equation which conform with the principles set out in clause 11.3 with reference to all comparable plant in NSW.

## 13 Definitions and Interpretation

13.1 In this Rule:

“**Commercial Operation**” means receiving any payment for industrial output produced from the Plant Extension or New Plant, excluding for production during any periods of testing to meet licence conditions prior to approval to operate.

“**Demand Side Abatement Rule**” means the *Greenhouse Gas Benchmark Rule (Demand Side Abatement) No. 3, 2003*

“**Emission Factor**” is the quantity of a given Greenhouse Gas emitted per unit of energy (kg CO<sub>2</sub>/GJ), fuel (t CH<sub>4</sub>/t coal) or other such measure.

“**Emission Intensity**” is the Greenhouse Gas emissions(t CO<sub>2</sub>-e) per Unit of Industrial Output..

“**Existing Plant**” is a plant that existed on or before 1 January 2002.

“**Generation Rule**” means the *Greenhouse Gas Benchmark Rule (Generation) No. 2, 2003*

“**GGAP**” means the Greenhouse Gas Abatement Program administered by the Australian Greenhouse Office of the Commonwealth.

“**Large User Abatement Activity**” has the meaning given to it under clause 7 of this Rule.

“**LUAC**” (Large User Abatement Certificate) means a non-transferable abatement certificate under section 97F of the Act, which is created in accordance with this Rule.

“**New Plant**” is any plant which commences production after 1 January 2002.

**NGGI** (National Greenhouse Gas Inventory) means the report on all human-induced Greenhouse Gas emissions in Australia as most recently published by the Australian Greenhouse Office ([www.greenhouse.gov.au](http://www.greenhouse.gov.au)).

“**NGAC**” (New South Wales Abatement Certificate) means a transferable abatement certificate under section 97F of the Act) which is created in accordance with the Generation Rule, the Demand Side Abatement Rule or the Sequestration Rule..

“**Plant Extension**” is any extension of an Existing Plant:

- (a) which increases capacity by more than 10%; and
- (b) that commences production after 1 January 2002.

“**REC**” means a renewable energy certificate as defined in s 97AB of the Act.

“**Renewable Energy Source**” means *eligible renewable energy sources* under sub-sections 17(1) and (2) of the *Renewable Energy (Electricity) Act 2000* (Cth).

“**Regulations**” means regulations made pursuant to Part 8A of the Act.

“**SAP**” (Specific Abatement Project) is a project completed after 1 January 2002 in which a change to an industrial process results in an identifiable and measurable reduction in Greenhouse Gas emissions.

“**Sequestration Rule**” means the *Greenhouse Gas Benchmark Rule (Carbon Sequestration) No. 5 of 2003*

“**the Act**” means the *Electricity Supply Act 1995*.

13.2 Notes in this Rule do not form part of the Rule.

13.3 The terms and expressions used in this Rule have the same meaning as in the Act or as defined in Part 8A of the Act, except the terms that are expressly defined in this Rule.

**ELECTRICITY SUPPLY ACT 1995****Notice of Approval of Amendment of Greenhouse Gas Benchmark Rule****Greenhouse Gas Benchmark Rule (Carbon Sequestration) No. 5 of 2003**

I, Frank Ernest Sartor, Minister for Energy and Utilities, pursuant to section 97K(4) and (5) of the Electricity Supply Act 1995, hereby give notice of approval of amendment to Greenhouse Gas Benchmark Rule (Carbon Sequestration) No. 5 of 2003, the amendments of which are described in Schedule 1 of the notice hereto, and the amended Rule is set out in Schedule 2 of the notice hereto.

The amendment of the Rule takes effect from the date of gazettal.

A copy of the amended Greenhouse Gas Benchmark Rule (Carbon Sequestration) No. 5 of 2003 may also be obtained through the Ministry of Energy and Utility's website at, [www.energy.nsw.gov.au](http://www.energy.nsw.gov.au).

Dated at Sydney, this 3rd day of September 2003.

FRANK ERNEST SARTOR, M.P.,  
Minister for Energy and Utilities

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**SCHEDULE 1****[1] Minister and Title**

Omit "Kimberly Maxwell Yeadon, MP  
Minister for Energy" and insert  
"Frank Ernest Sartor, MP  
Minister for Energy and Utilities"

**[2] Clause 1 Name and Commencement**

2.1 Omit "1 January 2003" and insert "1 October 2003"

- 2.2 Insert “At its commencement, this Rule is to be taken as having amended the *Greenhouse Gas Benchmark Rule (Carbon Sequestration) No. 5 of 2003* that commenced on 1 January 2003, to the extent that this Rule differs from that Rule.” after “1 October 2003.”

**[3] Clause 2 Objects of the Rule**

- 3.1 Omit “by the Minister” after “another jurisdiction if approved”
- 3.2 Insert “by the Minister,” after “with section 97DA of the Act”

**[4] Clause 3 Application of the Rule**

Insert “Without limiting the person to whom this Rule applies,” before “This Rule applies to Accredited Abatement”

**[5] Clause 5 Eligibility to be an Accredited Abatement Certificate Provider in respect of Carbon Sequestration**

- 5.1 Omit in the title “for Accreditation to Create NGACs” and insert “to be an Accredited Abatement Certificate Provider in respect of Carbon Sequestration”
- 5.2 Omit “who is a Sequestration Pool Manager and who carries out” and insert “as an Accredited Abatement Certificate Provider in respect of” after “The Scheme Administrator may accredit a person”
- 5.3 Renumber paragraphs (a), (b), (c) and (d) to paragraphs (b), (c), (d) and (e), respectively.
- 5.4 Insert paragraph (a) “the person is a Sequestration Pool Manager who carries out a Carbon Sequestration Activity;”
- 5.5 In Clause 5 (c) (previously Clause 5 (b)) omit “it” and insert “the person” after “Scheme Administrator, that”

**[6] Clause 6 Persons Eligible to Create NGACs under this Rule**

Insert “Accredited” after “in this Rule, only”

**[7] Clause 7.1 (c)**

Omit, and insert “has not been brought to account or traded for any purpose other than for the creation of NGACs under this Rule.”

**[8] Clause 7.2**

In the first Note omit “ratified” and insert “it comes into force” after “Kyoto Protocol, if”

**[9] Clause 8.1 Purpose**

Omit "(CSEM)" and insert "(referred to in this Rule as "CSEM")"

**[10] Clause 8.2 Carbon accounting methodology**

Insert "the purposes of" after "which is adopted for"

**[11] Clause 8.3.2**

11.1 Omit "Satisfaction" and insert "satisfaction" after "Activities for 100 years, to the"

11.2 In the Note omit "carbon stock" and insert "Carbon Stock" after "(after application of the 70% rule) of increase in"

**[12] Clause 8.4.1 Increases**

Omit "The only options for an Accredited Abatement Certificate Provider to add to the Carbon Stock in its Sequestration Pool are:" and insert "Accredited Abatement Certificate Providers may increase the Carbon Stock in its Sequestration Pool by the following means:"

**[13] Clause 8.4.1 (b)**

Omit "by acquisition of" and insert "by acquiring"

**[14] Clause 8.4.2 Reductions**

Omit, and insert "In the event physical Carbon Stock is reduced through forest harvesting, fires or other unplanned depletion processes, clause 7.3 applies. In the event physical Carbon Stock is reduced through disposal of Carbon Sequestration Rights over Eligible Land, clause 10 applies."

**[15] Clause 9**

15.1 In Clause 9.1 omit "register" and insert "create" after "An Accredited Abatement Certificate Provider can only"

15.2 Insert the new Clause 9.3 after Clause 9.2 as follows:

**“9.3 Adjustment of number of NGACs that may be created for GGAP funded projects**

Despite any other provision in this Rule, if on or after 1 January 2003 approval for GGAP funding has been granted for a project, the maximum number of NGACs that an Accredited Abatement Certificate Provider can create under this Rule from the number of tonnes of carbon dioxide equivalent of Greenhouse Gas emissions abated by the project equals the percentage of the total number of NGACs that it is otherwise entitled to create under this Rule from that project corresponding to the percentage of project funding that is not provided by GGAP.

Note: For example, if GGAP funding represents 20% of total project funding, then the project developer can only create NGACs for 80% of the eligible abatement achieved.”

**[16] Clause 10.1**

Omit “amount” and insert “number” after “Carbon Stocks are insufficient for the”

**[17] Clause 10.2**

Omit “register” and insert “create” after “The Accredited Abatement Certificate Provider must not”

**[18] Clause 10.4**

18.1 Omit “and register” after “Accredited Abatement Certificate Providers who create”

18.2 Insert “other Accredited” after “on-going sequestration obligations to”

**[19] Clause 11 Definitions and Interpretation**

19.1 Omit the definition for “**Carbon Sequestration Right**” and insert

“**Carbon Sequestration Right**” means

- (a) in respect of land within NSW, a carbon sequestration right within the meaning of section 87A of the (NSW) Conveyancing Act 1919; or

- (b) in respect of land in any other jurisdiction approved by the Minister in accordance with section 97DA(4)(b) of the Act, any other right that is substantially similar, or equivalent to, or has the same effect as, a carbon sequestration right as defined in paragraph (a).

Note: The *Conveyancing Act 1919* provides that a “carbon sequestration right, in relation to land, means a right conferred on a person by agreement or otherwise to the legal, commercial or other benefit (whether present or future) of carbon sequestration by any existing or future tree or forest on the land after 1990.” Carbon Sequestration Rights over land can be transferred independently of ownership of the land itself or of other rights over the land. Only holders of Carbon Sequestration Rights that have been registered on Eligible Land (whether or not they are also owners of the Eligible Land in question) can create NGACs from Carbon Sequestration.”

- 19.2 Insert after the definition for “**Compliance Year**”

“**Demand Side Abatement Rule**” means Greenhouse Gas Benchmark Rule (Demand Side Abatement) No. 3 of 2003”

- 19.3 In the definition for “**Eligible Land**” insert “located in New South Wales (or as otherwise provided under the Act)” after “means Kyoto-Consistent Land”

- 19.4 Insert after the definition for “**Forest**”

“**Generation Rule**” means Greenhouse Gas Benchmark Rule (Generation) No.2 of 2003.”

“**GGAP**” means the Greenhouse Gas Abatement Program administered by the Australian Greenhouse Office of the Commonwealth.”

- 19.5 insert after the definition for “**Minister**”

“**NGAC**” (New South Wales Greenhouse Abatement Certificate) means a transferable abatement certificate under section 97F of the Act, which is created in accordance with the Generation Rule, The Demand Side Abatement Rule and this Rule.”

- 19.6 In the definition for “**Regulations**” omit “Regulations made Pursuant” and insert “regulations made pursuant”

- 19.7 In the definition for “**Sequestration Pool**” omit “The forests, the lands, and the Carbon Sequestration Rights in the lands” and insert “The

Eligible Forests, the Eligible Lands, and the Carbon Sequestration Rights over the Eligible Lands”

- 19.8 In the definition for “**the Act**” omit “as amended by the Electricity Supply Amendment (Greenhouse Gas Emissions Reduction) Act 2002”

**[20] Clause 11.3**

Omit “or as defined in the Regulations”

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## SCHEDULE 2

### Greenhouse Gas Benchmark Rule (Carbon Sequestration) No. 5 of 2003

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Frank Ernest Sartor, MP  
Minister for Energy and Utilities

#### 1 Name and commencement

This rule is the *Greenhouse Gas Benchmark Rule (Carbon Sequestration) No. 5 of 2003* and commences on 3 October 2003. At its commencement, this Rule is to be taken as having amended the *Greenhouse Gas Benchmark Rule (Carbon Sequestration) No. 5 of 2003* that commenced on 1 January 2003, to the extent that this Rule differs from that Rule.

#### 2 Objects of the Rule

The object of this Rule is to provide specific arrangements for the creation of New South Wales Greenhouse Abatement Certificates (NGACs) through Carbon Sequestration in Eligible Forest in New South Wales or in another jurisdiction if approved in accordance with section 97DA of the Act by the Minister, and as permitted by the Act and Regulations, including:

- (a) the methods to be used to estimate the amount of carbon sequestered in Eligible Forest by those seeking to create or who have created NGACs; and
- (b) the number of NGACs which may be created through a Carbon Sequestration Activity.

#### 3 Application of the Rule

Without limiting the person to whom this Rule applies, this Rule applies to Accredited Abatement Certificate Providers who are accredited to create NGACs with respect to carbon sequestration in accordance with the Act and the Regulations.

#### 4 Status and Operation of the Rule

This rule is a Greenhouse Gas Benchmark Rule made under Part 8A of the Act.

#### 5 Eligibility to be an Accredited Abatement Certificate Provider in respect of Carbon Sequestration

The Scheme Administrator may accredit a person as an Accredited Abatement Certificate Provider in respect of a Carbon Sequestration Activity if:

- (a) the person is a Sequestration Pool Manager who carries out a Carbon Sequestration Activity;
- (b) the person owns or controls Carbon Sequestration Rights registered on Eligible Land;

- (c) the person can demonstrate, to the satisfaction of the Scheme Administrator, that the person is capable of meeting the requirement to maintain the Greenhouse Gas abatement secured by Carbon Sequestration Activities for 100 years from the Compliance Year in which NGACs may be registered;
- (d) the person has in place risk management procedures with respect to hazards and risks such as, but not limited to, fire, disease or pests, which the Scheme Administrator considers to be appropriate; and
- (e) the person has in place record keeping arrangements with respect to the Carbon Sequestration Activity that the Scheme Administrator considers appropriate.

## **6 Persons Eligible to Create NGACs under this Rule**

Despite any other provision in this Rule, only Accredited Abatement Certificate Providers accredited for the purpose set out in clause 5 may create NGACs under this Rule.

## **7 Eligibility to create NGACs from Carbon Sequestration**

7.1 NGACs may only be created in respect of Carbon Sequestration that:

- (a) takes place on or after 1 January 2003;
- (b) arises from Eligible Forest planted on Eligible Land over which an Accredited Abatement Certificate Provider owns or controls Carbon Sequestration Rights; and
- (c) has not been brought to account or traded for any purpose other than for the creation of NGACs under this Rule.

7.2 For the purposes of this Rule, the only permitted form of Carbon Sequestration is that which takes place on Kyoto-Consistent Land and that meets the definitions of afforestation and reforestation that are specified in United Nations Framework Convention on Climate Change document FCCC/CP/2001/13/Add.1 and Appendix A of the Interim Australian Standard AS4978.1(Int.) 2002 - *Carbon Accounting for Greenhouse Sinks Part 1: Afforestation and Reforestation* (referred to in this Rule as the "Standard").

Note: Article 3.3 of the Kyoto Protocol is intended to define a form of Carbon Sequestration during Kyoto Commitment Periods that may be used to offset emissions that occur over the same period. The Kyoto Protocol, if it comes into force, will not give credit for any sequestration of carbon in Forests on Kyoto-Consistent Land that takes place prior to 2008 and thus has no direct bearing on the operation of this Rule up to that date. However, there may be some indirect interactions in that obligations arising from the creation of NGACs prior to the first Commitment Period will have to be maintained.

Note: It is proposed that Kyoto Protocol Article 3.4 sinks will be incorporated in this Rule in future, once accounting rules for such sinks have been developed.

- 7.3 In accordance with the Standard, the harvesting or physical loss of any part of an Eligible Forest must be accounted for as an emission in the year in which that part of the Eligible Forest was harvested or suffered physical loss.

## 8 Carbon Sequestration Estimation Methodology

### 8.1 Purpose

The Carbon Sequestration Estimation Methodology (referred to in this Rule as “CSEM”) described in this clause 8 is to be used by Accredited Abatement Certificate Providers to estimate the amount of net change in Carbon Stock that is eligible under this Rule, through:

- (a) calculation of net change in Carbon Stock from Eligible Forest over a Carbon Sequestration Period, in accordance with the Standard; and
- (b) calculation of that portion of the net change in Carbon Stock arising from clause 8.1(a) that is eligible for creation of NGACs.

### 8.2 Carbon accounting methodology

Carbon accounting for the CSEM is to be undertaken in accordance with the Standard which is adopted for the purposes of this Rule.

Note: The Standard allows an entity to select its own procedures for carbon accounting provided those procedures are consistent with the Standard.

### 8.3 Restrictions on Carbon Accounts

- 8.3.1 The estimate of change in Carbon Stock over a defined period arising from application of the Standard will be subject to uncertainty, because the input values are subject to uncertainty. Accredited Abatement Certificate Providers must be able to demonstrate, using the uncertainty distributions arising from application of the Standard, that there is at least a 70% probability that the net increase in Carbon Stocks in any given period exceeds the quantum of carbon represented by NGACs created with respect to that period (referred to in this Rule as the “**70% rule**”). *Net Carbon Stock Change* in any year is determined as the difference between the Carbon Stock in that year and the Carbon Stock in the preceding year, applying the Standard and the 70% rule (referred to in this Rule as “Net Carbon Stock Change”).
- 8.3.2 The Accredited Abatement Certificate Provider must demonstrate, to the satisfaction of the Scheme Administrator, that uncertainty estimates made at the time, using the best data available at the time, indicated compliance with the 70% rule. If subsequent audits demonstrate non-compliance with the 70% rule, no further NGACs can be created until the Accredited Abatement Certificate Provider can demonstrate compliance with the obligation, with regard to all registered NGACs previously created by the Accredited Abatement Certificate Provider, to maintain the Greenhouse Gas abatement secured by Carbon Sequestration Activities for 100 years, to the satisfaction of the Scheme Administrator.

Note: Estimates of Carbon Stock and their associated uncertainty for a given period will

change for a number of reasons, in particular, because recurrent standing assessments and improvements to growth models are likely to lead to both greater accuracy and reduced uncertainty. While the adoption of the 70% rule should reduce the likelihood that the amount of NGACs created is in fact less than carbon sequestered, it is possible that a subsequent audit of Carbon Stocks, using later or more accurate data, will determine that the total of NGACs created for a given period has in fact exceeded the new estimate (after application of the 70% rule) of increase in Carbon Stock for that period.

## 8.4 Changes in the Carbon Stock

### 8.4.1 Increases

Accredited Abatement Certificate Providers may increase the the Carbon Stock in its Sequestration Pool by the following means:

- (a) through additional Carbon Sequestration in Eligible Forests on the Eligible Lands comprising the Sequestration Pool; or
- (b) by acquiring additional Eligible Forest or additional Carbon Sequestration Rights from Eligible Land. Such acquisitions can only increase the Sequestration Pool after the Carbon Stock of the acquired land has been reduced to account for any NGACs that may have been created with respect to those lands.

Note: Land acquisition may involve acquisition of Carbon Sequestration Rights on the titles of others' land rather than actual land purchases.

### 8.4.2 Reductions

In the event physical Carbon Stock is reduced through forest harvesting, fires or other unplanned depletion processes, clause 7.3 applies. In the event physical Carbon Stock is reduced through disposal of Carbon Sequestration Rights over Eligible Land, clause 10 applies.

## 9 Creation of NGACs from Carbon Sequestration

- 9.1 An Accredited Abatement Certificate Provider can only create NGACs with respect to a calendar year when there is a net increase in the Carbon Stock held by the Accredited Abatement Certificate Provider
- 9.2 The maximum *Number of NGACs that may be created* shall be calculated in accordance with **Equation 1**.

### Equation 1

Number of NGACs that may be created = Net Carbon Stock Change x 44/12

Where:

- *Number of NGACs that may be created* is in t CO<sub>2</sub>-e

- *Net Carbon Stock Change* (tonnes of Carbon) is determined in accordance with clause 8.3.1

### 9.3 Adjustment of number of NGACs that may be created for GGAP funded projects

Despite any other provision in this Rule, if on or after 1 January 2003 approval for GGAP funding has been granted for a project, the maximum number of NGACs that an Accredited Abatement Certificate Provider can create under this Rule from the number of tonnes of carbon dioxide equivalent of Greenhouse Gas emissions abated by the project equals the percentage of the total number of NGACs that it is otherwise entitled to create under this Rule from that project corresponding to the percentage of project funding that is not provided by GGAP.

Note: For example, if GGAP funding represents 20% of total project funding, then the project developer can only create NGACs for 80% of the eligible abatement achieved.

## 10 Insufficient Carbon Stock

- 10.1 An Accredited Abatement Certificate Provider may be in a position where its Carbon Stocks are insufficient for the number of NGACs it has created.

Note: This may occur for a number of reasons, including harvesting, land disposal or adjustment of the Carbon Stock.

- 10.2 Once an Accredited Abatement Certificate Provider becomes aware that its Carbon Stocks are insufficient for the amount of NGACs it has created, it must immediately inform the Scheme Administrator. The Accredited Abatement Certificate Provider must not create further NGACs until it holds a sufficient Carbon Stock.
- 10.3 The Accredited Abatement Certificate Provider can only adjust its Carbon Stock through the acquisition of sufficient Eligible Forest or Carbon Sequestration Rights from Eligible Land within such time as is specified by the Scheme Administrator.
- 10.4 Accredited Abatement Certificate Providers who create NGACs but then wish to reduce or sell their Sequestration Pool can only transfer their on-going sequestration obligations to other Accredited Abatement Certificate Providers accredited to create NGACs from Carbon Sequestration, and then only:
- (a) with the approval of the Scheme Administrator; and
  - (b) by satisfying the Scheme Administrator that the adjustment of the Carbon Stock of the Accredited Abatement Certificate Provider reflects the creation of NGACs of the person transferring the liability, as if the NGACs had been created by the person taking over the liability.

## 11 Definitions and Interpretation

11.1 In this Rule:

**“Carbon Pool”** means a reservoir or system that has the ability to accumulate or release carbon and includes living trees (usually further separated for accounting purposes into stemwood, canopy and roots), litter, dead wood and soil.

**“Carbon Sequestration”** means the process of increasing the carbon held within a specific Eligible Forest or Sequestration Pool.

**“Carbon Sequestration Activity”** means Carbon Sequestration in an Eligible Forest.

**“Carbon Sequestration Period”** means the time period over which Carbon Sequestration is estimated, usually 1 calendar year.

**“Carbon Sequestration Right”** means

- (a) in respect of land within NSW, a carbon sequestration right within the meaning of section 87A of the (NSW) Conveyancing Act 1919; or
- (b) in respect of land in any other jurisdiction approved by the Minister in accordance with section 97DA(4)(b) of the Act, any other right that is substantially similar, or equivalent to, or has the same effect as, a carbon sequestration right as defined in paragraph (a).

Note: The *Conveyancing Act 1919* provides that a “carbon sequestration right, in relation to land, means a right conferred on a person by agreement or otherwise to the legal, commercial or other benefit (whether present or future) of carbon sequestration by any existing or future tree or forest on the land after 1990.” Carbon Sequestration Rights over land can be transferred independently of ownership of the land itself or of other rights over the land. Only holders of Carbon Sequestration Rights that have been registered on Eligible Land (whether or not they are also owners of the Eligible Land in question) can create NGACs from Carbon Sequestration.

**“Carbon Stock”** means the total amount in tonnes of carbon contained in a Sequestration Pool at a given time.

**“Compliance Year”** means the calendar year with respect to which a Benchmark Participant’s compliance with its Benchmark is measured.

**“Demand Side Abatement Rule”** means *Greenhouse Gas Benchmark Rule (Demand Side Abatement) No. 3 of 2003*

**“Eligible Forest”** means a Forest planted on or after 1 January 1990 on Eligible Land.

**“Eligible Land”** means Kyoto-Consistent Land located in New South Wales (or as otherwise provided under the Act) that may be used for the purposes of growing planted forests capable of Carbon Sequestration under this Rule and on which Carbon Sequestration Rights can be registered and are registered prior to the creation of NGACs.

**“Forest”** has the same meaning as is specified in United Nations Framework Convention on Climate Change document FCCC/CP/2001/13/Add.1 and the Standard.

**“Generation Rule”** means *Greenhouse Gas Benchmark Rule (Generation) No.2 of 2003*.

**“GGAP”** means the Greenhouse Gas Abatement Program administered by the Australian Greenhouse Office of the Commonwealth.

**“Kyoto Commitment Period”** means the five year periods (the first being 2008-2012) during which the emissions of countries undertaking emission reduction commitments under the Kyoto Protocol (if ratified) will be measured, for the purposes of comparison with their emissions in 1990.

**“Kyoto-Consistent Land”** means land that meets the definition of Article 3.3 of the Kyoto Protocol which states that:

*“The nett changes in greenhouse gas emissions by sources and removals by sinks resulting from direct human-induced land-use change and forestry activities, limited to afforestation, reforestation and deforestation since 1990, measured as verifiable changes in carbon stocks in each commitment period, shall be used to meet the commitments under this Article of each Party included in Annex I. The greenhouse gas emissions by sources and removals by sinks associated with those activities shall be reported in a transparent and verifiable manner and reviewed in accordance with Articles 7 and 8.”*

**“Kyoto Protocol”** means the Kyoto Protocol to the United Nations Framework Convention on Climate Change, adopted 11 December 1997.

**“Minister”** means the New South Wales Minister for Energy.

**“NGAC”** (New South Wales Greenhouse Abatement Certificate) means a transferable abatement certificate under section 97F of the Act, which is created in accordance with the Generation Rule, The Demand Side Abatement Rule and this Rule.

**“Regulations”** means the regulations made pursuant to Part 8A of the Act.

**“Sequestration Pool”** means an aggregation of Eligible Forests that are managed to provide Carbon Sequestration and over which an Accredited Abatement Certificate Provider exercises control sufficient to enforce Carbon Sequestration Rights. The Eligible Forests, the Eligible Lands, and the Carbon Sequestration Rights over the Eligible Lands, may be owned or controlled by more than one entity.

**“Sequestration Pool Manager”** is a person who manages a Sequestration Pool.

**“the Act”** means the *Electricity Supply Act 1995*.

11.2 Notes in this Rule do not form part of the Rule.

11.3 The terms and expressions used in this Rule have the same meaning as in the Act or as defined in Part 8A of the Act except the terms that are expressly defined in this Rule.

# OFFICIAL NOTICES

## Appointments

### CASINO CONTROL ACT 1992

Appointment

NSW Casino Control Authority

IN the notification appearing in the *Government Gazette* of 19 September 2003, Folio 9428, under the heading NSW Casino Control Authority Appointment, "GRANT McBRIDE, M.P., Minister for Gaming and Racing" should read "REBA MEAGHER, M.P., Acting Minister for Gaming and Racing".

### DRUG MISUSE AND TRAFFICKING ACT 1985

Appointment of persons to give certificates

I, RICHARD FREDERICK SHELDRAKE, Director-General of the Department of Agriculture, pursuant to section 43(5) of the Drug Misuse and Trafficking Act 1985, hereby:

1. revoke the instrument of appointment published in *Government Gazette* No. 154 dated 27 September 2002; and
2. appoint the persons named in the Schedule as persons to give certificates for the purposes of the section.

Dated this 25th day of September 2003.

R. F. SHELDRAKE,  
Director-General

#### SCHEDULE

LOCATION	NAME	LOCATION	NAME
ALBURY	Eryn John Stinson KNOBEL	DARETON	Robert Edgar DAVIDSON
ALSTONVILLE	Peter Allan REGAN	DARETON	Steven Guiseppe FALIVENE
ARMIDALE	Kylie Clare EDWARDS	DARETON	Graeme Thomas McINTOSH
ARMIDALE	Philip John BLACKMORE	DENILQUIN	Darren Robert GREAVES
ARMIDALE	Francis John TANNER	DENILQUIN	Alexandra Louise MURRAY
BATHURST	Nicholas Osborne ANNAND	DUBBO	Barrie John BRILL
BATHURST	Bruce William CLEMENTS	DUBBO	Gary Stephen GRIMSHAW
BATHURST	Hugh Graeme KELSO	DUBBO	Colin Leo MULLEN
BATHURST	Adrian John Arthur LYNCH	DUBBO	Peter John GRAY
BATHURST	Bernard Joseph McMULLEN	DUBBO	Stewart John DRUCE
BEGA	Harry William KEMP	DUBBO	Philip GARDNER
BERRY	Kerry Ann ALLAN	DUBBO	Ross Ean TAYLOR
BERRY	Brian Phillip HERRING	FINLEY	Matthew Leonard McRAE
BERRY	Amanda Lee MATHER	FLEMINGTON	Ala SAMARA
BERRY	John William O'CONNOR	FLEMINGTON	Pablo Leonardo VAZQUEZ
BERRY	Elizabeth YEATMAN	FLEMINGTON	Emma Jane KELLY
BINGARA	Robert Clarence SMITH	FLEMINGTON	Kamal Habib BASTA
BOURKE	Peter Brian HODGE	FORBES	Dave Ross WILSON
BROKENHILL	Jeffrey William Alexander EVANS	FORBES	Kenneth Gaig MOTLEY
CAMDEN	Akram KHAN	GLEN INNES	Jeffrey Clifford LOWIEN
COFFS HARBOUR	Anne WEBSTER	GOULBURN	Francis Dale CHALKER
CONDOBOLIN	Nathan Luke BORDER	GOULBURN	Paul John ANDERSON
COOMA	Luke Christopher POPE	GOULBURN	Wayne Bruce HAIGH
COONABARABRAN	Klara Jane SCHULZE	GRAFTON	David Vaughan McIVER
COOTAMUNDRA	Kirrily CONDON	GRAFTON	David William ALLERTON
COWRA	Kaara KLEPPER	GRAFTON	Phillip David STEPHENSON
		GRAFTON	Rodney Peter ENSBEY
		GRIFFITH	Barry John HASKINS
		GRIFFITH	Brett Simon KERRUISH
		GRIFFITH	Douglas Francis MACBETH
		GRIFFITH	David Neil PATTERSON
		GUNNEDAH	Robert Douglas FREEBAIRN
		GUNNEDAH	Michael Gordon RANKMORE
		GUNNEDAH	Loretta Maree SERAFIN
		HAY	Andrew James SCHIPP
		HAY	Dean Hilary WHITEHEAD
		INVERELL	Ian Alexander GERRARD
		INVERELL	Barry Robert McGUFFICKE
		KYOGLE	Kerry Charles MOORE
		MANILLA	Lester Hugh McCORMICK
		MOREE	Russell William CARTY
		MOREE	Jennie Victoria SPENCELEY
		MOULAMEIN	Marjolyn Ruve FLEMING
		MUDGEE	Jenene Margaret KIDSTON
		MUDGEE	Brett James LITTLER
		MUDGEE	Peter John PROCTOR
		MUDGEE	Richard Norman PLUMMER
		MULLUMBIMBY	Terrence John GRANT
		MURWILLUMBAH	Arthur Allan AKEHURST
		MURWILLUMBAH	James Bernard ASTON
		MURWILLUMBAH	Maxwell Brian McLEOD
		MURWILLUMBAH	Neil John SMITH
		MURWILLUMBAH	Gregory John WASELL
		NARRABRI	Viliani HEIMOANA
		NYNGAN	Gregory James BROOKE
		ORANGE	Linda Jane AYRES
		ORANGE	Christopher Alfred COLE
		ORANGE	Christopher James WETHERALL



**LOCATION****NAME****MINES INSPECTION ACT 1901**

ORANGE Ian James McGOWEN  
 ORANGE Richard Arthur LANDON  
 ORANGE Robert Bruce TROUNCE  
 ORANGE Richard Brian WALKER  
 PARKES Karen Jane ROBERTS  
 PATERSON (TOCAL) Norman Jude CROSS  
 PATERSON (TOCAL) Neil William GRIFFITHS  
 PATERSON (TOCAL) Genevieve Patricia LEONARD  
 PATERSON (TOCAL) Rodney Gordon NASH  
 QUEANBEYAN Sari Jayne GLOVER  
 QUEANBEYAN Michael James KEYS  
 SCONE Jacinta Lesley CHRISTIE  
 SINGLETON Mikala Rae NAUGHTON  
 SYDNEY James Alexander MURISON  
 TAMWORTH Mark Andrew BRENNAN  
 TAMWORTH Paul Michael CARBERRY  
 TAMWORTH Ian Joseph COLLETT  
 TAMWORTH Peter Theodore HAYMAN  
 TAMWORTH Royce Hendrik HOLTkamp  
 TAMWORTH Alan Joseph MAGUIRE  
 TAMWORTH Kenneth Guy Carlyle McMULLEN  
 TAMWORTH Andrew Malcolm STORRIE  
 TAMWORTH Bruce Ashley TERRILL  
 TAMWORTH Janet Louise WILKINS  
 TAREE Peter James BEALE  
 TEMORA Peter William MATTHEWS  
 TUMUT Brett UPJOHN  
 TUMUT Peter Lionel TRELOAR  
 WAGGA WAGGA Ian Gregory FENTON  
 WAGGA WAGGA Adrian Shannon Stinson KNOBEL  
 WAGGA WAGGA Latarnie Mc DONALD  
 WAGGA WAGGA Nigel James PHILLIPS  
 WALGETT Sarah Ann SYKES  
 WELLINGTON Kathryn Allison HERTEL  
 WEST WYALONG James Arthur BOYCE  
 WEST WYALONG Robert Bruce THOMPSON  
 WINDSOR Ashley Arthur SENN  
 WINDSOR Bill YIASOUMI  
 WINDSOR John Gavin GILLETT  
 WINDSOR Peter Thomas GORHAM  
 WINDSOR Robert Bruce BOWMAN  
 YANCO Daryl Francis COOPER  
 YANCO John Michael LACY  
 YANCO Maryanne NOLAN  
 YANCO Terry David RAFFERTY  
 YANCO Stephen John Murray  
       SUTHERLAND  
 YASS Fiona Joy LEECH  
 YASS Robert John GORMAN  
 YOUNG Brett Roger DALLISTON  
 YOUNG Paul Augustine PARKER

Appointment of an Acting Inspector of Mines

Marie Bashir, Governor

I, Professor MARIE BASHIR, AC, Governor of the State of New South Wales, with the advice of the Executive Council, pursuant to the provisions of section 32(1) of the Mines Inspection Act 1901, extend the appointment of Rawdon Angus McDOUALL as an Acting Inspector of Mines for a 12 months term commencing from 27 September 2003.

Signed and Sealed at Sydney this 24th day of September 2003.

By Her Excellency's command,

KERRY HICKEY, M.P.,  
 Minister for Mineral Resources

**REGISTRAR GENERAL ACT 1973**

Appointment of Registrar General

Department of Lands

HER Excellency, the Governor, with the advice of the Executive Council, pursuant to section 2 of the Registrar General Act 1973 and the Public Sector Employment and Management Act 2002, has appointed Warwick Arthur WATKINS as the Registrar General for the period 14 August 2003 to 1 April 2008.

The Hon TONY KELLY, M.L.C.,  
 Minister Assisting the Minister for Natural  
 Resources (Lands)

## NSW Agriculture

### PROCLAMATION 540 – CATTLE TICK

Proclamation to regulate the importation of stock and fodder from Queensland, the Northern Territory and Western Australia on account of cattle tick

Her Excellency Professor MARIE BASHIR, AC,  
Governor

I, Professor MARIE BASHIR, AC, Governor of the State of New South Wales with the advice of the Executive Council, in pursuance of sections 3 (2) (a) and 11B of the Stock Diseases Act 1923:

- A. revoke Proclamations No. 520 published in the *Government Gazette* No 97 of 7 August 1992, No. 527 published in the *Government Gazette* No. 137 of 20 November 1992; and
- B. restrict the importation, introduction or bringing into New South Wales of stock and fodder in the manner herein described on account of cattle tick.

**1. Restriction on the introduction of stock or fodder into New South Wales from Queensland, the Northern Territory and from Western Australia**

A person must not import any stock or fodder or cause or permit the importation of any stock or fodder into New South Wales from Queensland, the Northern Territory or Western Australia:

- (a) that is infected or contaminated with cattle tick; or
- (b) unless in compliance with the provisions of this Proclamation.

**2. Requirement for entry of stock from a tick free zone of Queensland, the Northern Territory and Western Australia**

Stock from a tick free zone may only be imported into New South Wales if:

- (a) the stock have been on a tick free property (or properties) in a tick free zone for 35 consecutive days immediately before their importation into New South Wales;
- (b) the stock are from Queensland and have received an approved treatment at the Queensland Tick Line;
- (c) the stock are from the Northern Territory or Western Australia and have received an approved treatment to move out of an affected or restricted zone;
- (d) the stock originate from a quarantined or otherwise restricted property in a tick free zone and the stock have moved off that property for unrestricted movement in compliance with the legislation of that State or Territory; or
- (e) a permit is issued by an inspector permitting the importation;

and the stock are accompanied by fully completed documentation.

The required form of documentation is as approved by the Chief Division of Animal Industries.

The documentation must accompany the stock at all times until it reaches its destination.

The Chief Veterinary Officer may exempt in writing classes of stock from compliance with the requirement to accompany the stock by such documentation.

**3. Requirement for entry of Stock from other than a tick free zone within Queensland, the Northern Territory or Western Australia**

Stock from Queensland, the Northern Territory or Western Australia that are not from a tick free zone may be imported into New South Wales only in compliance with the conditions of a permit issued by an inspector.

The inspector may, before the issue of a permit, amongst other things, require the stock to be

- treated in an approved manner,
- inspected in an approved manner; and
- presented to an inspector at a specified place.

Stock from Queensland only

Where the stock are from Queensland only, the permit may require the stock and the permit to be presented to an inspector at a crossing place on the New South Wales Tick Line.

Stock from the Northern Territory or Western Australia only

Where the stock are from the Northern Territory or Western Australia only, the permit may require the stock to be presented to an inspector at a location specified in the permit.

The Chief Veterinary Officer may in writing exempt a class of stock from compliance with the conditions of this clause.

**4. Fodder from Queensland, the Northern Territory or Western Australia**

- (a) Fodder from a tick free property in a tick free zone may be imported into New South Wales if it is accompanied by fully completed documentation.
- (b) Fodder from Queensland, the Northern Territory or Western Australia that is not from a tick free property in a tick free zone may be imported into New South Wales only if:
- it has been treated or stored in an approved manner; and
  - it is accompanied by fully completed documentation; or
  - a permit is issued by an inspector permitting the importation.

The required form of documentation is as approved by the Chief Division of Animal Industries.

The documentation must accompany the fodder at all times until it reaches its destination.

A person who imports fodder into New South Wales must present fully completed documentation to an inspector on demand or within 7 days of its introduction into New South Wales or such longer period of time as the Chief Veterinary Officer may approve.

The Chief Veterinary Officer may in writing exempt a class of fodder from compliance with the conditions of this clause.

#### Definitions

In this Proclamation:

**approved** means, except where otherwise stated, approved in writing by the Chief Veterinary Officer.

**cattle tick** or **tick** means cattle tick (*Boophilus microplus*).

**Chief Veterinary Officer** means the person holding the position of Chief Veterinary Officer under the Exotic Diseases of Animals Act 1991.

**crossing place** means Boyds Bay, Kirra, Cobaki, Mount Lindesay, and any other place approved by the Chief Veterinary Officer at the New South Wales Tick Line.

**fodder** includes hay and silage, but does not include grain or seed.

**fully completed** means, in relation to documentation, that all information sought by the document is provided in writing on the document and is accurate.

**import** includes introduce or bring into New South Wales from Queensland, the Northern Territory or Western Australia.

**New South Wales Tick Line** means the line between where the Queensland Cattle Tick Infested Zone meets the New South Wales border.

**Queensland Tick Line** means the line between the tick free zone of Queensland and the remainder of Queensland.

**stock** means cattle, buffalo, deer, sheep, goats, horses, donkeys, asses, camels, llamas, alpacas vicunas and guanacos.

**tick free property** means a property that is not quarantined or from which the movement of stock is restricted under Queensland, Northern Territory or Western Australian legislation on account of cattle tick.

**tick free zone** means an area defined under Queensland, Northern Territory or Western Australian legislation as a Cattle Tick Free Zone or a Cattle Tick Free Area.

Notes: Treatments, permit conditions, inspection requirements, approved forms, and treatments for cattle tick approved by the Chief, Division of Animal Industries or the Chief Veterinary Officer are shown on the New South Wales Department of Agriculture internet web site <http://www/agric.nsw.gov.au/>

This Proclamation commences on 3 October 2003.

Signed and sealed at Sydney this 24th day of September 2003.

By Her Excellency's Command

IAN MACDONALD, M.L.C.,  
NSW Minister for Agriculture and Fisheries

—————  
GOD SAVE THE QUEEN!

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## NSW Fisheries

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F03/3700

F99/359

**FISHERIES MANAGEMENT ACT 1994**

F99/276

## Section 8 Notification – Fishing Closure

F99/358

## Use of Live Birds and Mammals as bait

**FISHERIES MANAGEMENT ACT 1994**

## Section 11 Notification

I, IAN MACDONALD, prohibit the use of any live bird or mammal as bait for the taking of fish in all NSW waters.

## Revocation of Section 8 – Fishing Closure

This notification is effective for a period of five (5) years from the date of notification, unless sooner revoked by the Director-General, NSW Fisheries.

I, STEVE DUNN, revoke the following fishing closure notifications:

The Hon IAN MACDONALD, M.L.C.,  
Minister for Agriculture and Fisheries

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- “Notification under sections 11 and 8 – Fishing Closure Mummaga Lake” published in *Government Gazette* number 95 of 20 August 1999.
- “Notification under section 8 – Fishing Closure Nullica River” published in *Government Gazette* number 111 of 24 September 1999.
- “Notification under section 8 – Fishing Closure Wandandian Creek” published in *Government Gazette* number 116 of 8 October 1999.

Notes: The purpose of this notice is to ban the use of live feral animals such as mice and sparrows as bait for fishing. The taking of any native bird, mammal, reptile or amphibian, and therefore its use as bait, dead or alive, is prohibited under the National Parks and Wildlife Act 1974.

STEVE DUNN,  
Director-General,  
NSW Fisheries

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Note: These closures are no longer necessary due to amendments to the Fisheries Management (General) Regulation 2002.

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# Department of Infrastructure, Planning and Natural Resources

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## Infrastructure and Planning



New South Wales

## **Canterbury Local Environmental Plan No 203**

under the

Environmental Planning and Assessment Act 1979

I, the Minister Assisting the Minister for Infrastructure and Planning (Planning Administration), make the following local environmental plan under the *Environmental Planning and Assessment Act 1979*. (S02/02644/S69)

DIANE BEAMER, M.P.,  
Minister Assisting the Minister for Infrastructure  
and Planning (Planning Administration)

Clause 1            Canterbury Local Environmental Plan No 203

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## **Canterbury Local Environmental Plan No 203**

under the

Environmental Planning and Assessment Act 1979

### **1 Name of plan**

This plan is *Canterbury Local Environmental Plan No 203*.

### **2 Aims of plan**

This plan aims:

- (a) to rezone the land to which this plan applies to Residential “A” under the *Canterbury Planning Scheme Ordinance*, and
- (b) to clarify the permissible residential uses of the land.

### **3 Land to which plan applies**

This plan applies to land known as 82 Rogers Street, Lakemba, being Lots X and Y, DP 419899, Lots 1 and 2, DP 416870 and Lot A, DP 346637, as shown coloured light scarlet on the map marked “Canterbury Local Environmental Plan No 203” deposited in the office of the Council of the City of Canterbury.

### **4 Amendment of Canterbury Planning Scheme Ordinance**

The *Canterbury Planning Scheme Ordinance* is amended as set out in Schedule 1.

Canterbury Local Environmental Plan No 203

Amendments

Schedule 1

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## Schedule 1 Amendments

(Clause 4)

### [1] Clause 4 Interpretation

Insert in appropriate order in the definition of *Scheme map* in clause 4 (1):

Canterbury Local Environmental Plan No 203

### [2] Clause 67J Town houses and villa homes on certain land within Zone No 2 (a)

Omit clause 67J (1). Insert instead:

- (1) This clause applies to certain land within Zone No 2 (a), being:
  - (a) land in and near Earlwood, generally east of a line drawn from Cooks River south along Cup and Saucer Creek through to its intersection with William Street, then westerly along William Street to Bexley Road and then generally southerly to Wolli Creek, as shown edged heavy black on the map marked "Canterbury Local Environmental Plan No 202", and
  - (b) land known as 82 Rogers Street, Lakemba, being Lots X and Y, DP 419899, Lots 1 and 2, DP 416870 and Lot A, DP 346637, as shown coloured light scarlet on the map marked "Canterbury Local Environmental Plan No 203".

## **Maitland Local Environmental Plan 1993 (Amendment No 71)**

under the

**Environmental Planning and Assessment Act 1979**

I, the Minister Assisting the Minister for Infrastructure and Planning (Planning Administration), make the following local environmental plan under the *Environmental Planning and Assessment Act 1979*. (N95/00411/PC)

DIANE BEAMER, M.P.,  
Minister Assisting the Minister for Infrastructure  
and Planning (Planning Administration)

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Clause 1 Maitland Local Environmental Plan 1993 (Amendment No 71)

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## Maitland Local Environmental Plan 1993 (Amendment No 71)

### 1 Name of plan

This plan is *Maitland Local Environmental Plan 1993 (Amendment No 71)*.

### 2 Aims of plan

This plan aims:

- (a) to rezone part of the land to which this plan applies from Zone 1 (b) Secondary Rural Land to Zone 7 (b) Environmental Protection Buffer under the provisions of *Maitland Local Environmental Plan 1993* to provide an environmental buffer to Lochinvar Creek, and
- (b) to allow, with the consent of Maitland City Council:
  - (i) the subdivision of the land to which this plan applies into 7 allotments, and
  - (ii) the erection of a dwelling house and ancillary structures on land within Zone 1 (b) in each lot so created,in a manner consistent with the heritage significance of *St Helena*.

### 3 Land to which plan applies

- (1) To the extent that this plan rezones land, it applies to so much of Lot 3, DP 634523, New England Highway, Lochinvar, as is within Zone 7 (b) and shown edged heavy black and lettered "7 (b)" on the map marked "Maitland Local Environmental Plan 1993 (Amendment No 71)" deposited in the office of the Council of the City of Maitland.
- (2) To the extent that this plan allows for subdivision, it applies to Lot 3, DP 634523, New England Highway, Lochinvar, as shown edged heavy black on that map.
- (3) To the extent that this plan allows for the erection of dwelling houses and ancillary structures, it applies to so much of Lot 3, DP 634523, New England Highway, Lochinvar, as is within Zone 1 (b) and shown edged heavy black and lettered "1 (b)" on that map.

Maitland Local Environmental Plan 1993 (Amendment No 71)

Clause 4

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**4 Amendment of Maitland Local Environmental Plan 1993**

*Maitland Local Environmental Plan 1993* is amended as set out in Schedule 1.

Maitland Local Environmental Plan 1993 (Amendment No 71)

Schedule 1 Amendments

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## Schedule 1 Amendments

(Clause 4)

### [1] Clause 5 How are terms defined in this plan?

Insert in appropriate order in the definition of *The map* in clause 5 (1):

Maitland Local Environmental Plan 1993 (Amendment No 71)

### [2] Schedule 3 Additional uses of land

Insert at the end of the Schedule:

Lot 3, DP 634523, New England Highway, Lochinvar, as shown edged heavy black on the map marked "Maitland Local Environmental Plan 1993 (Amendment No 71)": Subdivision creating 7 lots each having a minimum area of 2 hectares and the erection of a dwelling house and ancillary structures on land within Zone 1 (b) in each lot so created, subject to the Council being satisfied that the subdivision and the erection of any buildings on the land will not adversely impact on the heritage significance of *St Helena*. RZ 98001.

## Natural Resources

### WATER ACT 1912

#### Order Under Section 20W

THE Water Administration Ministerial Corporation declares that the volumetric water allocation scheme published in *Government Gazette* No. 115 on 14 August 1981, in respect of the River Murray System be modified as set out in the following Schedule effective on and from the date of publication of this Order in the *Government Gazette*.

KAYE DALTON,  
A/Regional Director,  
for Water Administration Ministerial Corporation.

#### SCHEDULE

##### Murray River System

Great Anabranche of the Darling River from the structure known as "Oakbank Dam" on Lot 12, DP 756168, Parish of Moorna, County of Tara, to its confluence with the Murray River on Lot 672, DP 756168, Parish of Moorna, County of Tara, be included in the volumetric water allocations scheme and that the volume of water available in the scheme to be increased by 226 megalitres apportioned amongst the holders of entitlements in this section of the Anabranche.

### WATER ACT 1912

#### Order Under Section 20Y

THE Water Administration Ministerial Corporation is satisfied that the water source in the Schedule hereunder is unlikely to have more water available to than is sufficient to meet the requirements of the persons already authorised by law to take from the water source (and such other possible requirements for water from the water source as have been determined by the Corporation) and now declares that on and from the date of publication of this notice, no application may be made for entitlements to take and use water for any other purpose other than:

- Domestic, town or village supply purposes.
- Stock purposes (not associated with feedlots or piggeries). (For the purpose of this Order "stock" means stock of a number not exceeding the number depastured ordinarily on land having regard to seasonal fluctuations in carrying capacity on the land and not held in close concentration for a purpose other than grazing).
- Experimental research and/or teaching purposes (where the usage does not exceed 20 megalitres per annum, subject to environmental assessment).

KAYE DALTON,  
A/Regional Director,  
for Water Administration Ministerial Corporation.

#### SCHEDULE

##### Murray River System

Great Anabranche of the Darling River from the structure known as "Oakbank Dam" on Lot 12, DP 756168, Parish of Moorna, County of Tara, to its confluence with the Murray River on Lot 672, DP 756168, Parish of Moorna, County of Tara.

### WATER ACT 1912

AN application under Part 2 of the Water Act 1912, being within a proclaimed (declared) local area under section 5(4) of the Act.

An application for a licence under section 10 of Part 2 of the Water Act 1912, has been received as follows:

#### *Murray River Valley*

AXBURGH INVESTMENTS PTY LIMITED for two block banks and a pump on the Cobram Creek, on Lots 82 and 11, DP 751149, Parish of Marah, County of Cadell and Lot 60, DP 751156, Parish of Porthole, County of Cadell, for water supply for stock purposes and irrigation (replacement licence only — no increase in entitlement) (Reference: 50SL075415)(GA2:477281).

Any inquiries regarding the above should be directed to the undersigned (telephone: [02] 6041 6777).

Written objections to the application specifying the grounds thereof may be made by any statutory authority or a local occupier within the proclaimed area and must be lodged at the Department's Office at Albury within 28 days of the date of this publication.

C. PURTLE,  
Natural Resource Officer,  
Murray Region.

Department of Infrastructure, Planning and  
Natural Resources,  
PO Box 829, Albury, NSW 2640.

### WATER ACT 1912

#### Notice Under Section 117E

##### Lifting of Restrictions on Groundwater Pumping

NOTICE is hereby given that as from 3 October 2003, the Department of Infrastructure, Planning and Natural Resources has CANCELLED the notification of restrictions on groundwater pumping hours in respect of the Cockburn River Valley.

Restrictions were applied to the Cockburn River Valley on 4 November 2002.

RANDALL HART,  
Regional Director,  
Barwon Region.

### WATER ACT 1912

#### Notice Under Section 117E

##### Lifting of Restrictions on Groundwater Allocations

NOTICE is hereby given that as from 3 October 2003, the Department of Infrastructure, Planning and Natural Resources has CANCELLED the notification reducing groundwater entitlements to 50% of allocations in respect of the Cockburn River Valley.

The reduction of allocations was announced on 11 July 2003.

GA2:472108.

RANDALL HART,  
Regional Director,  
Barwon Region.

**WATER ACT 1912**

## Notice Under Section 22B

## Unregulated Rivers

THE Department of Infrastructure, Planning and Natural Resources pursuant to section 22B of the Water Act 1912, being satisfied that the quantity of water available or likely to be available in the Piallamore Ana Branch is insufficient to meet all requirements with respect to the taking of water therefrom, hereby gives notice to all holders of permits, authorities and licences issued under Part 2 of the Water Act that as from 12 September 2003, extraction of water other than for stock and domestic purposes is hereby restricted to the hours 7:00 p.m. to 7:00 a.m., until further notice.

This notice replaces a previous notice due to an amendment to extraction of water, restriction times.

GA2:472107.

RANDALL HART,  
Regional Director,  
Barwon Region.

**WATER ACT 1912**

## Notice Under Section 22B

## Unregulated Rivers

THE Department of Infrastructure, Planning and Natural Resources pursuant to section 22B of the Water Act 1912, being satisfied that the quantity of water available or likely to be available in the Wallamore Ana Branch is insufficient to meet all requirements with respect to the taking of water therefrom, hereby gives notice to all holders of permits, authorities and licences issued under Part 2 of the Water Act that as from 29 September 2003, extraction of water other than for stock and domestic purposes is hereby restricted to the hours 7:00 p.m. to 7:00 a.m., until further notice. This notice replaces a previous notice dated 26 September 2003.

GA2:472106.

RANDALL HART,  
Regional Director,  
Barwon Region.

**WATER ACT 1912**

AN application under Part 2 of the Water Act 1912, being within a proclaimed (declared) local area under section 5 (4) of the Act.

AN application for a licence under section 10 of Part 2 of the Water Act 1912, has been received as follows:

*Murray River Valley*

Mark Brendon WEIGHT and Carolyn Grace WEIGHT for 1 pump on the Murray River, Lot 5/787557, Parish of Mourquong, County of Wentworth, water supply for domestic purposes (new licence — domestic purpose only) (Reference: 60SL085445) (GA2:512586).

Written objections to the application specifying the grounds thereof may be made by any statutory authority or local occupier within the proclaimed local area and must be

lodged within the Department's Natural Resource Project Officer at Buronga within twenty-eight (28) days as provided by the Act.

P. WINTON,  
Natural Resource Project Officer,  
Murray Region.

Department of Infrastructure, Planning and Natural Resources,  
32 Enterprise Way (PO Box 363), Buronga, NSW 2739.  
Telephone: (03) 5021 9400.

**WATER ACT 1912**

AN application under Part 2 of the Water Act 1912, being within a proclaimed (declared) local area under section 5(4) of the Act.

An application for a licence under section 10 of Part 2 of the Water Act 1912, has been received as follows:

*Murray River Valley*

Lindsay Michael HARRINGTON and Susan Maree HARRINGTON for a pump on the Murray River on Lot 134, DP 756508, Parish of Barham, County of Wakool, for water supply for stock and domestic purposes and irrigation (new licence due to the division of an existing authority) (Reference: 50SL75587) (GA2:477282).

Any enquiries regarding the above should be directed to the undersigned (telephone: [03] 5881 9200).

Written objections to the application specifying the grounds thereof may be made by any statutory authority or a local occupier within the proclaimed area and must be lodged at the Department's Office at Deniliquin within 28 days of the date of this publication.

L. J. HOLDEN,  
A/Senior Natural Resource Officer,  
Murray Region.

Department of Infrastructure, Planning and Natural Resources,  
PO Box 205, Deniliquin, NSW 2710.

**WATER ACT 1912**

APPLICATIONS under Part 2 within proclaimed (declared) local areas under section 5 (4) of the Water Act 1912.

Applications for licences under section 10 for works within a proclaimed (declared) local area as generally described hereunder have been received from:

*Macquarie River Valley*

Nino PATRIARCA and Margaret Joy PATRIARCA for a pump on the Macquarie River, Lot 7005, DP 754331, Parish of Warrie, County of Lincoln, for water supply for stock and domestic purposes and irrigation of 1.875 hectares (lucerne, oats and vineyard) (partly replacing existing entitlement by way of permanent transfer) (Reference: 80SL96130).

Michael John DENISON for a pump on the Macquarie Marshes Northern Channel within Lot 14, DP 753424, Parish of Blairmont, County of Gregory, for water supply for stock purposes (new licence) (Reference: 80SL96131).

Robert William McLELLAN for a pump on the Macquarie River, Part Lot 16, DP 751575, Parish of Gidgerah, County of Clyde, for irrigation of 10 hectares (fodder summer and winter grain and cereal) (replacing existing entitlement by way of permanent transfer) (Reference: 80SL96132).

John Wayne LOVELL and Elizabeth Maree LOVELL for a pump on the Macquarie River, Lot 41, DP 755094, Parish of Burrabadine, County of Narromine, for irrigation of 11.875 hectares (turf) (combining and replacing existing entitlement by way of permanent transfer) (Reference: 80SL96133).

AN application for a new authority for joint water supply under section 20 for works within a proclaimed (declared) area as generally described hereunder have been received from:

Alexander CAMPBELL and Russell Mervyn RAWSON for a pump on the Macquarie River, Lot 35, DP 754303, Parish of Coolbaggie, County of Lincoln, for irrigation of 2.5 hectares (wheat and lucerne) (partly replacing existing entitlement) (Reference: 80SA10611).

APPLICATIONS for an amended authority for joint water supply under section 20E(2) for works within a proclaimed (declared) area as generally described hereunder have been received from:

Alexander David RAMSAY and BANCHORY (WARREN) PTY LIMITED for 2 pumps and a diversion pipe on Bulgeraga Creek, Lot 1, DP 772927 and Lot 21, DP 753416, Parish of Bebrue and Lot 45 DP 46101, Parish of Marebone, all County of Gregory, for water supply for stock and domestic purposes and irrigation of 686 hectares (cotton, wheat, oats and pasture) (combining and replacing existing entitlements by way of permanent transfer) (Reference: 80SA10612).

NEVERTIRE IRRIGATION SCHEME for 7 pumps on the Macquarie River, Lot 102, DP 532171, Parish of Egelabra, County of Oxley, for water supply for stock and domestic purposes and irrigation of 5726.305 hectares (cotton and other cash crops) (combining and replacing existing entitlement by way of permanent transfer) (Reference: 80SA10613).

GA2:306597.

Any inquiries regarding the above should be directed to the undersigned (telephone: 6884 2560).

Written objections to the applications specifying grounds thereof, may be made by any statutory authority or local occupier within the proclaimed local (declared) area and must be lodged with the Departments Regional Office at Dubbo within twenty-eight (28) days as prescribed by the Act.

FRED HUNDY,  
Water Access Manager,  
Macquarie.

Department of Infrastructure, Planning and  
Natural Resources,  
PO Box 717, Dubbo, NSW 2830.

## WATER ACT 1912

### Notice Under Section 22B

#### Pumping Restrictions

Hopping Dicks, Piggabeen, Cobaki and Duroby Creeks,  
Oxley, Tweed and Rous Rivers and their Tributaries

THE Department of Infrastructure, Planning and Natural Resources pursuant to section 22B of the Water Act 1912, is satisfied that the quantity of water available Hopping Dicks, Piggabeen, Cobaki and Duroby Creeks, Oxley, Tweed and Rous Rivers and their tributaries is insufficient to meet all requirements and hereby gives notice to all holders of permits, authorities and licences under Part 2 of the Act that from Friday, 26 September 2003 and until further notice, the right to pump water is RESTRICTED to a maximum of six hours in any twenty-four hour period between the hours of 8:00 p.m. – 8:00 a.m.

This restriction excludes water supply for town water supply, stock, domestic and farming (fruit washing and dairy washdown) purposes.

Any person who contravenes the restrictions imposed by this notice is guilty of an offence and is liable on conviction to a penalty not exceeding:

- a) where the offence was committed by a Corporation — 200 penalty units.
- b) where the offence was committed by any other person — 100 penalty units.

One penalty unit = \$110.00.

Dated this 26th day of September 2003.

GA2:467914.

G. LOLLBACK,  
Resource Access Manager,  
North Coast Region,  
Grafton.

## WATER ACT 1912

### Notice Under Section 22B

#### Pumping Restrictions

Clarence River above Mann River Junction, Timbarra River, Fridays Creek, Bucca Bucca Creek, Urumbilum River, Kangaroo Creek, Blaxlands Creek, Dundoo Creek, Halfway Creek, Sherwood Creek and their Tributaries

THE Department of Infrastructure, Planning and Natural Resources pursuant to section 22B of the Water Act 1912, is satisfied that the quantity of water available in Clarence River above Mann River Junction, Timbarra River, Fridays Creek, Bucca Bucca Creek, Urumbilum River, Kangaroo Creek, Blaxlands Creek, Dundoo Creek, Halfway Creek, Sherwood Creek and their tributaries is insufficient to meet all requirements and hereby gives notice to all holders of permits, authorities and licences under Part 2 of the Act that from Saturday, 27 September 2003 and until further notice, the right to pump water is RESTRICTED to a maximum of six hours in any twenty-four hour period between the hours of 5:00 p.m. and 8:00 a.m.

This restriction excludes water supply for town water supply, stock, domestic and farming (fruit washing and dairy washdown) purposes.

Any person who contravenes the restrictions imposed by this notice is guilty of an offence and is liable on conviction to a penalty not exceeding:

- a) where the offence was committed by a Corporation — 200 penalty units.
- b) where the offence was committed by any other person — 100 penalty units.

One penalty unit = \$110.00.

Dated this 26th day of September 2003.

GA2:467915.

G. LOLLBACK,  
Resource Access Manager,  
North Coast Region,  
Grafton.

### WATER ACT 1912

Notice Under Section 22B

Pumping Restrictions

Orara River

THE Department of Infrastructure, Planning and Natural Resources pursuant to section 22B of the Water Act 1912, is satisfied that the quantity of water available in Orara River is insufficient to meet all requirements and hereby gives notice to all holders of permits, authorities and licences under Part 2 of the Act that from Saturday, 27 September 2003 and until further notice, the right to pump water is RESTRICTED to a maximum of eight hours in any twenty-four hour period between the hours of 5:00 p.m. and 8:00 a.m.

This restriction excludes water supply for town water supply, stock, domestic and farming (fruit washing and dairy washdown) purposes.

Any person who contravenes the restrictions imposed by this notice is guilty of an offence and is liable on conviction to a penalty not exceeding:

- a) where the offence was committed by a Corporation — 200 penalty units.
- b) where the offence was committed by any other person — 100 penalty units.

One penalty unit = \$110.00.

Dated this 26th day of September 2003.

GA2:467916.

G. LOLLBACK,  
Resource Access Manager,  
North Coast Region,  
Grafton.

### WATER ACT 1912

Notice Under Section 22B

Pumping Restrictions

Fridays Creek, Bucca Bucca Creek, Urumbilum River,  
Dundoo Creek, Halfway Creek, Sherwood Creek,  
Pine Creek, Pine Brush Creek, Bonville Creek,  
Cordwells Creek, Boambee Creek, Pine Brush Creek,  
Corindi River and their Tributaries

THE Department of Infrastructure, Planning and Natural Resources pursuant to section 22B of the Water Act 1912, is satisfied that the quantity of water available in Fridays Creek, Bucca Bucca Creek, Urumbilum River, Dundoo Creek, Halfway Creek, Sherwood Creek, Pine Creek, Pine Brush Creek, Bonville Creek, Cordwells Creek, Boambee River, Pine Brush Creek, Corindi River and their tributaries is insufficient to meet all requirements and hereby gives notice to all holders of permits, authorities and licences under Part 2 of the Act that from Saturday, 27 September 2003 and until further notice, the right to pump water is RESTRICTED to a maximum of six hours in any twenty-four hour period between the hours of 5:00 p.m. and 8:00 a.m.

This restriction excludes water supply for town water supply, stock, domestic and farming (fruit washing and dairy washdown) purposes.

Any person who contravenes the restrictions imposed by this notice is guilty of an offence and is liable on conviction to a penalty not exceeding:

- a) where the offence was committed by a Corporation — 200 penalty units.
- b) where the offence was committed by any other person — 100 penalty units.

One penalty unit = \$110.00.

Dated this 26th day of September 2003.

GA2:467916.

G. LOLLBACK,  
Resource Access Manager,  
North Coast Region,  
Grafton.

### WATER ACT 1912

Notice Under Section 22B

Pumping Restrictions

Bellinger River, Never Never River and their Tributaries

THE Department of Infrastructure, Planning and Natural Resources pursuant to section 22B of the Water Act 1912, is satisfied that the quantity of water available in Bellinger River, Never Never River and their tributaries is insufficient to meet all requirements and hereby gives notice to all holders of permits, authorities and licences under Part 2 of the Act that from Saturday, 27 September 2003 and until further notice, the right to pump water is RESTRICTED to a maximum of eight hours in any twenty-four hour period between the hours of 5:00 p.m. and 8:00 a.m.

This restriction excludes water supply for town water supply, stock, domestic and farming (fruit washing and dairy washdown) purposes.

Any person who contravenes the restrictions imposed by this notice is guilty of an offence and is liable on conviction to a penalty not exceeding:

- a) where the offence was committed by a Corporation — 200 penalty units.
- b) where the offence was committed by any other person — 100 penalty units.

One penalty unit = \$110.00.

Dated this 26th day of September 2003.

GA2:467917.

G. LOLLBACK,  
Resource Access Manager,  
North Coast Region,  
Grafton.

### WATER ACT 1912

Notice Under Section 22B

Pumping Restrictions

Fawcetts Creek, Richmond River from Casino to The Risk, Lynchs Creek, Gradys Creek, Eden Creek above Iron Pot Creek Junction, Leycester Creek above Tuncester, Back Creek and their Tributaries

THE Department of Infrastructure, Planning and Natural Resources pursuant to section 22B of the Water Act 1912, is satisfied that the quantity of water available in Fawcetts Creek, Richmond River from Casino to The Risk, Lynchs Creek, Gradys Creek, Eden Creek above Iron Pot Creek Junction, Leycester Creek above Tuncester, Back Creek and their tributaries is insufficient to meet all requirements and hereby gives notice to all holders of permits, authorities and licences under Part 2 of the Act that from Saturday, 27 September 2003 and until further notice, the right to pump water is RESTRICTED to a maximum of six hours in any twenty-four hour period between the hours of 5:00 p.m. and 8:00 a.m.

This restriction excludes water supply for town water supply, stock, domestic and farming (fruit washing and dairy washdown) purposes.

Any person who contravenes the restrictions imposed by this notice is guilty of an offence and is liable on conviction to a penalty not exceeding:

- a) where the offence was committed by a Corporation — 200 penalty units.
- b) where the offence was committed by any other person — 100 penalty units.

One penalty unit = \$110.00.

Dated this 26th day of September 2003.

GA2:467918.

\* The restriction notice of 20 September is hereby revoked.

G. LOLLBACK,  
Resource Access Manager,  
North Coast Region,  
Grafton.

### WATER ACT 1912

Notice Under Section 22B

Pumping Suspensions

Collins Creek and its Tributaries

THE Department of Infrastructure, Planning and Natural Resources pursuant to section 22B of the Water Act 1912, is satisfied that the quantity of water available in Collins Creek and its tributaries is insufficient to meet all requirements and hereby gives notice to all holders of permits, authorities and licences under Part 2 of the Act that from Saturday, 27 September 2003 and until further notice, the right to pump water is SUSPENDED.

This suspension excludes water supply for town water supply, stock, domestic and farming (fruit washing and dairy washdown) purposes.

Any person who contravenes the restrictions imposed by this notice is guilty of an offence and is liable on conviction to a penalty not exceeding:

- a) where the offence was committed by a Corporation — 200 penalty units.
- b) where the offence was committed by any other person — 100 penalty units.

One penalty unit = \$110.00.

Dated this 26th day of September 2003.

GA2:467918.

G. LOLLBACK,  
Resource Access Manager,  
North Coast Region,  
Grafton.

### WATER ACT 1912

Notice Under Section 22B

Pumping Suspensions

Tyalgum, Brays, North and South Pumpenbil Creeks  
and their Tributaries

THE Department of Infrastructure, Planning and Natural Resources pursuant to section 22B of the Water Act 1912, is satisfied that the quantity of water available in Tyalgum, Brays, North and South Pumpenbil Creeks and their Tributaries is insufficient to meet all requirements and hereby gives notice to all holders of permits, authorities and licences under Part 2 of the Act that from Saturday, 27 September 2003 and until further notice, the right to pump water is SUSPENDED.

This suspension excludes water supply for town water supply, stock, domestic and farming (fruit washing and dairy washdown) purposes.

Any person who contravenes the restrictions imposed by this notice is guilty of an offence and is liable on conviction to a penalty not exceeding:

- a) where the offence was committed by a Corporation — 200 penalty units.
- b) where the offence was committed by any other person — 100 penalty units.



One penalty unit = \$110.00.

Dated this 26th day of September 2003.

GA2:467919.

G. LOLLBACK,  
Resource Access Manager,  
North Coast Region,  
Grafton.

### WATER ACT 1912

Notice Under Section 22B

Pumping Restrictions

Dungay Creek and its Tributaries

THE Department of Infrastructure, Planning and Natural Resources pursuant to section 22B of the Water Act 1912, is satisfied that the quantity of water available in Dungay Creek and its tributaries is insufficient to meet all requirements and hereby gives notice to all holders of permits, authorities and licences under Part 2 of the Act that from Tuesday, 30 September 2003 and until further notice, the right to pump water is RESTRICTED to a maximum of six hours in any twenty-four hour period between the hours of 5:00 p.m. and 8:00 a.m.

This restriction excludes water supply for town water supply, stock, domestic and farming (fruit washing and dairy washdown) purposes.

Any person who contravenes the restrictions imposed by this notice is guilty of an offence and is liable on conviction to a penalty not exceeding:

- a) where the offence was committed by a Corporation — 200 penalty units.
- b) where the offence was committed by any other person — 100 penalty units.

One penalty unit = \$110.00.

Dated this 29th day of September 2003.

GA2:467920.

G. LOLLBACK,  
Resource Access Manager,  
North Coast Region,  
Grafton.

### WATER ACT 1912

Notice Under Section 22B

Pumping Restrictions

Deep Creek, Newee Creek, Warrell Creek,  
Allgomera Creek, Eungai Creek and their Tributaries

THE Department of Infrastructure, Planning and Natural Resources pursuant to section 22B of the Water Act 1912, is satisfied that the quantity of water available in Deep Creek, Newee Creek, Warrell Creek, Allgomera Creek, Eungai Creek and their tributaries is insufficient to meet all requirements and hereby gives notice to all holders of permits, authorities

and licences under Part 2 of the Act that from Thursday, 2 October 2003 and until further notice, the right to pump water is RESTRICTED to a maximum of six hours in any twenty-four hour period between the hours of 5:00 p.m. and 8:00 a.m.

This restriction excludes water supply for town water supply, stock, domestic and farming (fruit washing and dairy washdown) purposes.

Any person who contravenes the restrictions imposed by this notice is guilty of an offence and is liable on conviction to a penalty not exceeding:

- a) where the offence was committed by a Corporation — 200 penalty units.
- b) where the offence was committed by any other person — 100 penalty units.

One penalty unit = \$110.00.

Dated this 29th day of September 2003.

GA2:467922.

G. LOLLBACK,  
Resource Access Manager,  
North Coast Region,  
Grafton.

### WATER ACT 1912

Notice Under Section 22B

Pumping Suspensions

Pappinbarra River and its Tributaries

THE Department of Infrastructure, Planning and Natural Resources pursuant to section 22B of the Water Act 1912, is satisfied that the quantity of water available in Pappinbarra River and its tributaries is insufficient to meet all requirements and hereby gives notice to all holders of permits, authorities and licences under Part 2 of the Act that from Thursday, 2 October 2003 and until further notice, the right to pump water is SUSPENDED.

This suspension excludes water supply for town water supply, stock, domestic and farming (fruit washing and dairy washdown) purposes.

Any person who contravenes the restrictions imposed by this notice is guilty of an offence and is liable on conviction to a penalty not exceeding:

- a) where the offence was committed by a Corporation — 200 penalty units.
- b) where the offence was committed by any other person — 100 penalty units.

One penalty unit = \$110.00.

Dated this 29th day of September 2003.

GA2:467921.

G. LOLLBACK,  
Resource Access Manager,  
North Coast Region,  
Grafton.

**WATER ACT 1912**

AN application under Part 2 within a proclaimed (declared) local area under section 5(4) of the Water Act 1912.

An application for a licence under section 10 for works within a proclaimed (declared) local area as generally described hereunder have been received from:

*Murrumbidgee Valley*

HANCOCK FARM COMPANY PTY LTD for a pump on Lot 30, DP 750887, being TSR 70127, otherwise known as "Birdcage Reserve", Parish Eunanbrennan, County of Boyd, for a water supply for irrigation of 0.5 hectares (corn and pastures) (replacement licence — relocation of pump) (Reference: 40SL70906).

Any enquires regarding the above should be directed to the undersigned (telephone: [02] 6953 0700).

Formal objections to the application specifying the grounds thereof, may be made by any statutory authority or a local occupier within the proclaimed area and must be lodged with the Department's Regional Director at Leeton within the 28 days as fixed by the Act.

S. F. WEBB,  
Resource Access Manager,  
Murrumbidgee Region.

Department Infrastructure, Planning and  
Natural Resources,  
PO Box 156, Leeton, NSW 2705.

**WATER ACT 1912**

AN application under Part 2 within a proclaimed (declared) local area under section 5(4) of the Water Act 1912.

Application for a licence under section 20 for works within a proclaimed (declared) local area as generally described hereunder have been received from:

*Murrumbidgee Valley*

Alan Patrick CRAWFORD, Ann Patricia CRAWFORD and Frances Therese RUSSELL for a pump on the Adelong Creek, Lot 9, DP 757259, Parish of Wondalga, County of Wynyard, for a water supply for irrigation of 20.5 hectares (improved pastures) (replacement authority — no increase in allocation) (Reference: 40SA5910).

Any enquiries regarding the above should be directed to the undersigned (telephone: [02] 6953 0700).

Formal objections to the application specifying the grounds thereof, may be made by any statutory authority or a local occupier within the proclaimed area and must be lodged with the Department's Regional Director at Leeton within the 28 days as fixed by the Act.

S. F. WEBB,  
Resource Access Manager,  
Murrumbidgee Region.

Department of Land and Water Conservation,  
PO Box 156, Leeton, NSW 2705.

**WATER ACT 1912**

AN application for a licence under Part 5 of the Water Act 1912, as amended, has been received as follows:

*Murrumbidgee Valley*

Peter Hugo SACHS for a well on Lot 354, DP 753624, Parish of Murrumbidgee, County of Harden, for a water supply for stock and domestic purposes and irrigation of 2 hectares of pastures (new licence) (Reference: 40BL189595).

Written submissions of support or objections with grounds stating how your interest may be affected must be lodged before 31 October 2003, as prescribed by the Act.

S. F. WEBB,  
Resource Access Manager,  
Murrumbidgee Region.

Department of Infrastructure, Planning and  
Natural Resources,  
PO Box 156, Leeton, NSW 2705.

**WATER ACT 1912**

AN application for a licence under the section 10 of Part 2 of the Water Act 1912, as amended, has been received as follows:

Steven Norton JURD and Bronwyn Ellen JURD for a pump on Little Wheeny Creek on 299//881352, Parish of Kurrajong, County of Cook, for irrigation of 1.0 hectare (vegetables) (existing works — lodged under the 1998 NSW Water Amnesty — not subject to the Hawkesbury/Nepean Embargo) (Reference: 10SL56381) (GA2:460668).

Any inquiries regarding the above should be directed to the undersigned (telephone: 9895 7194).

Written objections specifying grounds thereof must be lodged with the Department within 28 days of the date of this publication as prescribed by the Act.

WAYNE CONNERS,  
A/Natural Resource Project Officer,  
Sydney/South Coast Region.

Department of Infrastructure, Planning and  
Natural Resources,  
PO Box 3935, Parramatta, NSW 2124.

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## Department of Lands

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**ARMIDALE OFFICE**  
**Department of Lands**  
**108 Faulkner Street (PO Box 199A), Armidale, NSW 2350**  
**Phone: (02) 6772 2308 Fax (02) 6772 8782**

### REVOCATION OF RESERVATION OF CROWN LAND

PURSUANT to section 90 of the Crown Lands Act 1989, the reservation of Crown Land specified in Column 1 of the Schedule hereunder is revoked to the extent specified opposite thereto in Column 2 of the Schedule.

TONY KELLY, M.L.C.,  
Minister assisting the Minister for  
Natural Resources (Lands)

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### SCHEDULE

**COLUMN 1**

Land District: Armidale.  
L.G.A.: Armidale Dumaresq.  
Parish: Metz.  
County: Sandon.  
Locality: Hillgrove.  
Reserve No.: 96204.  
Purpose: Future public  
requirements.  
Notified: 20 August 1982.  
File No.: AE00 H 380.

**COLUMN 2**

That part being Lot 10, Section  
30, DP 758519, in the Parish of  
Metz, County of Sandon, Village  
of Hillgrove, of an area of 1012  
square metres.

**DUBBO OFFICE**  
**Department of Lands**  
**142 Brisbane Street (PO Box 865), Dubbo, NSW 2830**  
**Phone: (02) 6841 5200 Fax: (02) 6841 5231**

**APPOINTMENT OF TRUST BOARD MEMBERS**

PURSUANT to section 93 of the Crown Lands Act 1989, the persons whose names are specified in Column 1 of the Schedules hereunder are appointed, for the terms of office specified thereunder, as members of the trust board for the reserve trust specified opposite thereto in Column 2, which has been established and appointed as trustee of the reserve referred to opposite thereto in Column 3 of the Schedules.

TONY KELLY, M.L.C.,  
 Minister Assisting the Minister for  
 Natural Resources (Lands)

**SCHEDULE 1**

<b>COLUMN 1</b>	<b>COLUMN 2</b>	<b>COLUMN 3</b>
Patricia Dawn MURRAY (new member), Kerry Lynnete O'CONNOR (new member), Timothy James FORAN (new member).	Collie Recreation Reserve Trust.	Reserve No.: 79169. Public Purpose: Public recreation. Notified: 7 December 1956. File No.: DB81 R 96/3.

**Term of Office**

For a term commencing this day and expiring 2 October 2004.

**SCHEDULE 2**

<b>COLUMN 1</b>	<b>COLUMN 2</b>	<b>COLUMN 3</b>
Peter Inglis BRIEN (re-appointment), Ronda Laurel BRIEN (re-appointment), Kathleen Joan BLATCH (re-appointment), Beverley Dorothy BRIEN (re-appointment), Evol Lorraine CUDDEN (re-appointment), Ross Robert BAYLISS (re-appointment).	Neurea Recreation Reserve Trust.	Reserve No.: 44286. Public Purpose: Public recreation. Notified: 25 August 1909. File No.: DB81 R 99/2.

**Term of Office**

For a term commencing this day and expiring 2 October 2004.

**CROWN LANDS ACT 1989****Repeal of Notice**

IN pursuance of the provisions of section 43 of the Interpretation Act 1987, the notice under section 3 of the Crown Lands Act 1989, appearing in the *Government Gazette* of 4 July 2003, at Folio 6926, is hereby repealed.

The notice referred to:

- (1) the declaration of a public purpose to section 80 for the Preservation of Aboriginal Cultural Heritage and Aboriginal Burial Ground; and
- (2) the declaration of a public purpose pursuant to section 87 for the Preservation of Aboriginal Cultural Heritage and Aboriginal Burial Ground.

TONY KELLY, M.L.C.,  
 Minister Assisting the Minister for  
 Natural Resources (Lands)

**DECLARATION OF PUBLIC PURPOSES**

IT is hereby notified pursuant to section 3 of the Crown Lands Act 1989, that the following is declared to be a public purpose for the purposes of section 80 of that Act:

Aboriginal Burial Ground.

IT is hereby notified pursuant to section 3 of the Crown Lands Act 1989, that the following are declared to be public purposes for the purposes of section 87 of that Act:

1. Public recreation and Preservation of Aboriginal Cultural Heritage.
2. Aboriginal Burial Ground.

TONY KELLY, M.L.C.,  
 Minister Assisting the Minister for  
 Natural Resources (Lands)

**FAR WEST REGIONAL OFFICE****Department of Lands****45 Wingewarra Street (PO Box 1840), Dubbo, NSW 2830****Phone: (02) 6883 3000 Fax: (02) 6883 3099****ERRATUM**

IN the notification appearing in the *Government Gazette* of 15 August 2003, Folio 7978, under the heading Reservation of Crown Land in Column 1 should read Part Lot 16, DP 756380, Parish Wanaaring, County Ularara, Area 4320 square metres, File No.: WL03 R 18.

**FORFEITURE OF A WESTERN LANDS LEASE**

IT is hereby notified for public information that in pursuance of section 28BA of the Western Lands Act 1901, the Western Lands Lease particularised hereunder has been forfeited.

CRAIG KNOWLES, M.P.,  
Minister for Infrastructure and Planning  
and Minister for Natural Resources

**SCHEDULE**

Western Lands Lease No.: 10620.

Name of Lessee: William Roy KEIGHLEY (deceased).

Area Forfeited: Lot 1173, DP 757298 of 5236 square metres.

Administrative District: Broken Hill.

Shire: Unincorporated area.

Date of Forfeiture: 16 September 2003.

Reason for Forfeiture: Non payment of rental.

**ADDITION TO A WESTERN LANDS LEASE**

IT is hereby notified, for public information, that in pursuance of section 35C of the Western Lands Act 1901, the land particularised hereunder has been added to the undermentioned Western Lands Lease.

CRAIG KNOWLES, M.P.,  
Minister for Infrastructure and Planning  
and Minister for Natural Resources

**SCHEDULE**

Western Lands Lease: 12270.

Names of Lessee: Cynthia Maxine Langford.

Area Added: Lot 1173, DP 757298 of 5236 square metres (Folio Identifier 1173/757298).

Total Area Following Addition: Lot 1171, DP 757298; Lot 1172, DP 757298; Lot 1, DP 48254 and Lot 1173, DP 757298 being 2.172 hectares.

Date of Addition: 17 September 2003.

Annual Rental Following Addition: \$70.00.

Administrative District: Broken Hill.

City: Broken Hill.

**GOULBURN OFFICE****Department of Lands****159 Auburn Street (PO Box 748), Goulburn, NSW 2580****Phone: (02) 4828 6725 Fax: (02) 4828 6730****NOTIFICATION OF CLOSING OF A ROAD**

IN pursuance of the provisions of the Roads Act 1993, the road hereunder described is closed and the land comprised therein ceases to be public road and the rights of passage and access that previously existed in relation to the road are extinguished. Upon closing, title to the land comprising the former public road, vests in the body specified in the Schedule hereunder.

TONY KELLY, M.L.C.,  
Minister Assisting the Minister for  
Natural Resources (Lands)

**SCHEDULE**

## Description

*Town – Yass; Parish – Hume; County – Murray;  
Land District – Yass; L.G.A. – Yass Shire.*

Lots 2 and 3, DP 1035391 (not being land under the Real Property Act).

File No.: GB01 H 102.TC.

Note: On closing, the title for the land in Lots 2 and 3, DP 1035391, remains vested in Yass Shire Council as operational land.

**GRAFTON OFFICE**  
**Department of Lands**  
**76 Victoria Street (Locked Bag 10), Grafton, NSW 2460**  
**Phone: (02) 6640 2000 Fax: (02) 6640 2035**

**APPOINTMENT OF TRUST BOARD MEMBERS**

PURSUANT to section 93 of the Crown Lands Act 1989, the persons whose names are specified in Column 1 of the Schedules hereunder are appointed, for the terms of office specified thereunder, as members of the trust boards for the reserve trusts specified opposite thereto in Column 2, which have been established and appointed as trustee of the reserves referred to opposite thereto in Column 3 of the Schedules.

TONY KELLY, M.L.C.,  
 Minister Assisting the Minister for  
 Natural Resources (Lands)

**SCHEDULE 1**

<b>COLUMN 1</b>	<b>COLUMN 2</b>	<b>COLUMN 3</b>
Reginald George MARTIN (new member).	Copmanhurst Recreation Reserve Trust.	Dedication No.: 540092. Public Purpose: Public recreation. Notified: 21 September 1901. File No.: GF81 R 316.

**Term of Office**

For a term commencing 4 December 2003 and expiring 3 December 2008.

**SCHEDULE 2**

<b>COLUMN 1</b>	<b>COLUMN 2</b>	<b>COLUMN 3</b>
Sandra Ann FAHEY (re-appointment), Sue Ann WINTERS (re-appointment), Robert Bruce FAHEY (re-appointment), Kathleen Pearl BARNIER (re-appointment).	Copmanhurst War Memorial Reserve Trust.	Reserve No.: 77426. Public Purpose: War Memorial (hall site). Notified: 11 February 1955. File No.: GF81 R 355.

**Term of Office**

For a term commencing the date of this notice and expiring 2 October 2008.

**SCHEDULE 3**

<b>COLUMN 1</b>	<b>COLUMN 2</b>	<b>COLUMN 3</b>
Errol Lindsay O'DRISCOLL (re-appointment), Iain Michael BOND (new member), Ross Sidney WILKINSON (re-appointment), Graham Allen DAVIS (re-appointment), Allen Dudley BELL (re-appointment).	Tabulam Racecourse Trust.	Reserve No.: 84819. Public Purpose: Public recreation and access. Notified: 26 March 1964. Dedication No.: 540070. Public Purpose: Racecourse. Notified: 26 September 1896. File No.: GF81 R 378.

**Term of Office**

For a term commencing the date of this notice and expiring 11 September 2008.

**SCHEDULE 4**

<b>COLUMN 1</b>	<b>COLUMN 2</b>	<b>COLUMN 3</b>
Denis Neil HANSEN (new member), John Leslie MASLEN (new member), Colin JAMES (re-appointment), John Allan JOHNSTON (re-appointment), Maxine Ann ARMSTRONG (re-appointment).	Tunglebung Public Recreation Reserve Trust.	Reserve No.: 83448. Public Purpose: Public recreation. Notified: 22 September 1961. File No.: GF80 R 148.

**Term of Office**

For a term commencing 1 January 2004 and expiring 31 December 2008.

**SCHEDULE 5**

<b>COLUMN 1</b>	<b>COLUMN 2</b>	<b>COLUMN 3</b>
Timothy Hew DALRYMPLE (new member), John Edward LAFFAN (re-appointment), Renate RUEHE (new member), Betty Joyce SHEPHERD (re-appointment), Frederick Donald RYAN (re-appointment).	Woombah Recreation Reserve Trust.	Reserve No.: 63066. Public Purpose: Public recreation. Notified: 20 November 1931. File No.: GF80 R 165.

**Term of Office**

For a term commencing the date of this notice and expiring 2 October 2008.

**ROADS ACT 1993****ORDER****Transfer of a Crown Road to a Council**

IN pursuance of the provisions of section 151, Roads Act 1993, the Crown public road specified in Schedule 1 is transferred to the Roads Authority specified in Schedule 2 hereunder, as from the date of publication of this notice and from that date the road specified in Schedule 1 ceases to be a Crown public road.

TONY KELLY, M.L.C.,  
Minister Assisting the Minister for  
Natural Resources (Lands)

**SCHEDULE 1**

Crown public road shown as Lot 11, DP 1017195, at Tyagarah, Parish Brunswick, County Rous.

**SCHEDULE 2**

Roads Authority: Byron Shire Council.

File No.: GF03 H 269.

Councils Reference: eng655000 #397594.

**HAY OFFICE****Department of Lands**

**126 Lachlan Street (PO Box 182), Hay, NSW 2711**

**Phone: (02) 6993 1306 Fax: (02) 6993 1135**

**APPOINTMENT OF ADMINISTRATOR TO  
MANAGE A RESERVE TRUST**

PURSUANT to section 117, Crown Lands Act 1989, the person specified in Column 1 of the Schedule hereunder is appointed as administrator for the term also specified thereunder, of the reserve trust specified opposite thereto in Column 2, which is trustee of the reserve referred to in Column 3 of the Schedule.

TONY KELLY, M.L.C.,  
Minister Assisting the Minister for  
Natural Resources (Lands)

**SCHEDULE**

<b>COLUMN 1</b>	<b>COLUMN 2</b>	<b>COLUMN 3</b>
Ann PLANT.	Barooga Community Centre Reserve Trust.	Reserve No.: 88034. Public Purpose: Boy Scouts. Notified: 4 December 1970. File No.: HY81 R 47/1.

**Term of Office**

For a term commencing the date of this notice and expiring 14 March 2004.

**APPOINTMENT OF TRUST BOARD MEMBERS**

PURSUANT to section 93 of the Crown Lands Act 1989, the persons whose names are specified in Column 1 of the Schedule hereunder are appointed, for the terms of office specified thereunder, as members of the trust board for the reserve trust specified opposite thereto in Column 2, which has been established and appointed as trustee of the reserve referred to opposite thereto in Column 3 of the Schedule.

TONY KELLY, M.L.C.,  
Minister Assisting the Minister for  
Natural Resources (Lands)

**SCHEDULE**

<b>COLUMN 1</b>	<b>COLUMN 2</b>	<b>COLUMN 3</b>
Robert Joel BROOKS (new member), Allan Raymond PRYSE (new member).	Finley Lake Trust.	Reserve No.: 88291. Public Purpose: Public recreation. Notified: 2 July 1971. File No.: HY81 R 139/1.

**Term of Office**

For a term commencing the date of this notice and expiring 30 May 2006.

**MAITLAND OFFICE**  
**Department of Lands**  
**Newcastle Road (PO Box 6), East Maitland, NSW 2323**  
**Phone: (02) 4937 9300 Fax: (02) 4934 2252**

**APPOINTMENT OF TRUST BOARD MEMBERS****SCHEDULE**

PURSUANT to section 93 of the Crown Lands Act 1989, the persons whose names are specified in Column 1 of the Schedule hereunder are appointed, for the terms of office specified thereunder, as members of the trust board for the reserve trust specified opposite thereto in Column 2, which has been established and appointed as trustee of the reserve referred to opposite thereto in Column 3 of the Schedule.

TONY KELLY, M.L.C.,  
 Minister Assisting the Minister for  
 Natural Resources (Lands)

<b>COLUMN 1</b>	<b>COLUMN 2</b>	<b>COLUMN 3</b>
Barbara Chapple JACKSON (new member), William ROBERTSON (new member), William BINGLE (re-appointment), Colin ZWAN (re-appointment), Reginald Philip LOCK (re-appointment), Ivor George SCOTT (re-appointment), Valerie CHIPLIN (re-appointment).	Patonga Public Hall and Bush Fire Brigade Trust.	Reserve No.: 88567. Public Purpose: Public hall and Bush Fire Brigade purposes. Notified: 21 April 1972. File No.: MD80 R 42.

**Term of Office**

For a term commencing the date of this notice and expiring 2 October 2008.

Note: The term of administrator (Mr William Pola Bingle) appointed for the period 18 July 2003 until 17 January 2004, is cancelled effective from the date of this notice.

**MOREE OFFICE**

**Department of Lands**  
**Frome Street (PO Box 388), Moree, NSW 2400**  
**Phone: (02) 6752 5055; Fax: (02) 6752 1707**

**NOTIFICATION OF CLOSING OF ROADS****Description**

IN pursuance of the provisions of the Roads Act 1993, the roads hereunder described are closed and the land comprised therein ceases to be public roads and the rights of passage and access that previously existed in relation to these roads are extinguished.

TONY KELLY, M.L.C.,  
 Minister Assisting the Minister for  
 Natural Resources (Lands)

*Land District – Moree;  
 Council – Moree Plains Shire Council.*

Lot 8 in DP 1052773, Parish Goorara, County Stapylton.  
 File No.: ME03 H 49.

Note: Upon closure, the lands will vest in the Crown as Crown Land.



**ORANGE OFFICE**  
**Department of Lands**  
**92 Kite Street (PO Box 2146), Orange NSW 2800**  
**Phone: (02) 6393 4300 Fax: (02) 6362 3896**

**DISSOLUTION OF RESERVE TRUST**

PURSUANT to section 92(3) of the Crown Lands Act 1989, the reserve trust specified in Column 1 of the Schedule hereunder, which was established in respect of the reserve specified opposite thereto in Column 2 of the Schedule, is dissolved.

TONY KELLY, M.L.C.,  
 Minister Assisting the Minister for  
 Natural Resources (Lands)

—————  
 SCHEDULE

**COLUMN 1**

Barry Public Recreation  
 Reserve Trust.

**COLUMN 2**

Reserve No.: 75431.  
 Public Purpose: Public recreation.  
 Notified: 14 November 1952.  
 File No.: OE80 R 159/2.

**APPOINTMENT OF TRUST BOARD MEMBERS**

PURSUANT to section 93 of the Crown Lands Act 1989, the persons whose names are specified in Column 1 of the Schedule hereunder are appointed, for the terms of office specified thereunder, as members of the trust board for the reserve trust specified opposite thereto in Column 2, which has been established and appointed as trustee of the reserve referred to opposite thereto in Column 3 of the Schedule.

TONY KELLY, M.L.C.,  
 Minister Assisting the Minister for  
 Natural Resources (Lands)

—————  
 SCHEDULE

**COLUMN 1**

Edman Johnson  
 BRIEN  
 (new member),  
 Geoffrey Russell  
 PARKER  
 (new member),  
 David Barry  
 BRACKENREG  
 (new member),  
 Brett Warrick  
 George MILL  
 (new member),  
 Margaret Therese  
 BRIEN (new member),  
 Robert Bruce  
 O'NEILL (new member),  
 Wende Sapphire  
 DEATH (new member).

**COLUMN 2**

Murga Parkland  
 Reserve Trust.

**COLUMN 3**

Reserve No.: 1003128.  
 Public Purpose: Public  
 recreation.  
 Notified: 22 March 2002.  
 File No.: OE02 R 3/1.

Term of Office

For a term commencing this day and expiring 2 October  
 2008.

**SYDNEY METROPOLITAN OFFICE**  
**Department of Lands**  
**Level 12, Macquarie Tower, 10 Valentine Avenue, Parramatta 2150**  
**(PO Box 3935), Parramatta, NSW 2124**  
**Phone: (02) 9895 7657 Fax: (02) 9895 6227**

**APPOINTMENT OF RESERVE TRUST AS  
 TRUSTEE OF A RESERVE**

PURSUANT to section 92(1) of the Crown Lands Act 1989, the reserve trust specified in Column 1 of the Schedule hereunder is appointed as trustee of the reserve specified opposite thereto in Column 2 of the Schedule.

TONY KELLY, M.L.C.,  
 Minister Assisting the Minister for  
 Natural Resources (Lands)

SCHEDULE

**COLUMN 1**

Maianbar Foreshore  
 (R76792 and R87990)  
 Reserve Trust.

**COLUMN 2**

Reserve No.: 87990.  
 Public Purpose: Public recreation.  
 Notified: 30 October 1970.  
 File No.: MN02 R 96/1.

**ERRATUM**

IN the notifications appearing in the *Government Gazette* of the 30 May 2003, Folio 4970, under the heading "Reservation of Crown Land" detailing "Reserve No. 1004608" in Column 1 of the Schedules delete the words "Lot 7177" and insert the words "Lot 7177, DP 1056179, 7179, DP 1056181" in lieu thereof.

File No.: MN03 R 4/1.

TONY KELLY, M.L.C.,  
 Minister Assisting the Minister for  
 Natural Resources (Lands)

**TAMWORTH OFFICE**  
**Department of Lands**

**25-27 Fitzroy Street (PO Box 535), Tamworth, NSW 2340**  
**Phone: (02) 6764 5100; Fax: (02) 6766 3805**

**APPOINTMENT OF TRUST BOARD MEMBERS**

PURSUANT to section 93 of the Crown Lands Act 1989, the persons whose names are specified in Column 1 of the Schedule hereunder are appointed, for the terms of office specified thereunder, as members of the trust board for the reserve trust specified opposite thereto in Column 2, which has been established and appointed as trustee of the reserve referred to opposite thereto in Column 3 of the Schedule.

TONY KELLY, M.L.C.,  
 Minister Assisting the Minister for  
 Natural Resources (Lands)

SCHEDULE

**COLUMN 1**

Philip Harold  
 SPARK  
 (new member),  
 David CASSELLS  
 (new member).

**COLUMN 2**

Bowling Alley  
 Point Recreation  
 Reserve Trust.

**COLUMN 3**

Reserve No.: 96568.  
 Public Purpose: Public  
 recreation.  
 Notified: 28 January 1983.  
 Locality: Bowling Alley  
 Point.  
 File No.: TH89 R 16/2.

Term of Office

For a term commencing this day and expiring on 12 June 2008.

**ERRATUM**

A notice appearing in the *Government Gazette* No. 128 of 22 August 2003, Folio 8105, under the heading "APPOINTMENT OF TRUST BOARD MEMBERS" is amended by altering the name of the Minister to Tony Kelly, M.L.C., Minister Assisting the Minister for Natural Resources (Lands). Also amend Reserve Number under Column 3 of the Schedule to 96568.

File No.: TH89 R 16/2.

**TAREE OFFICE**  
**Department of Lands**  
**98 Victoria Street (PO Box 440), Taree, NSW 2430**  
**Phone: (02) 6552 2788 Fax: (02) 6552 2816**

**AMENDMENT TO PLAN OF MANAGEMENT FOR A  
CROWN RESERVE UNDER DIVISION 6 OF PART 5  
OF THE CROWN LANDS ACT 1989 AND CROWN  
LANDS REGULATION 1990**

ALTERATIONS to the plan of management have been prepared for the Crown reserve described hereunder, which is under the trusteeship of the Old Bar Holiday and Leisure Reserves Reserve Trust (Greater Taree City Council).

Inspection of the draft alterations can be made at Taree District Office, Department of Lands, 98 Victoria Street, Taree; the Office of Greater Taree City Council, 2 Pulteney Street, Taree and at the Office of the Purfleet-Taree Local Aboriginal Land Council, 2A Edward Drive, Purfleet.

Representations are invited from the public on the draft alterations. These may be made in writing for a period of 28 days commencing from 3 October 2003 and should be sent to the Manager, Department of Lands, PO Box 440, Taree 2430.

TONY KELLY, M.L.C.,  
Minister Assisting the Minister for  
Natural Resources (Lands)

Description of Reserve

*Parish – Bohnock; County – Gloucester;  
Land District – Taree; L.G.A. – Greater Taree.*

Reserve No. 89385 for the public purpose of public recreation, notified in the *Government Gazette* of 21 February 1975.

Location: Saltwater Reserve.

File No.: TE81 R 23/2.

**NOTIFICATION UNDER THE ROADS ACT 1993 OF  
ACQUISITION OF LAND FOR THE PURPOSE OF  
ROAD AND THE CLOSING OF ROADS**

IN pursuance of the provisions of the Roads Act 1993, the lands hereunder described are acquired for road and dedicated as a public road, such road is hereby declared to be a Crown road, and the roads specified hereunder are hereby closed.

Tony Kelly, M.L.C.,  
Minister Assisting the Minister for  
Natural Resources (Lands)

Description

*Parish – Pappinbarra; County – Macquarie;  
Land District – Port Macquarie;  
Local Government Area – Hastings.*

Opening of a road at Pappinbarra.

Land acquired and dedicated for a public road (Crown road): Lot 1, DP 1056272.

Title and Area Affected: Folio Identifier 22/754442.

Roads Closed: Lots 2, 3 and 4, DP 1056272.

File No.: TE02 H 6.

Note: On closing the land within Lots 2 and 3, DP 1056272, will remain land vested in the Crown as Crown Land and will be given in compensation for the land acquired for road; Lot 4, DP 1056262, will be disposed of to an adjoining owner.

**APPOINTMENT OF TRUST BOARD MEMBERS**

PURSUANT to section 93 of the Crown Lands Act 1989, the persons whose names are specified in Column 1 of the Schedule hereunder are appointed, for the terms of office specified thereunder, as members of the trust board for the reserve trust specified opposite thereto in Column 2, which has been established and appointed as trustee of the reserve referred to opposite thereto in Column 3 of the Schedule.

TONY KELLY, M.L.C.,  
Minister Assisting the Minister for  
Natural Resources (Lands)

SCHEDULE

COLUMN 1	COLUMN 2	COLUMN 3
Richard B. WILSON (new member), Frances GOLDSMITH (new member).	Hannam Vale Recreation Reserve Trust.	Reserve No.: 80942. Public Purpose: Public recreation. Notified: 15 August 1958. File No.: TE80 R 197/2.

Term of Office

For a term commencing this day and expiring 29 August 2007.

**WAGGA WAGGA REGIONAL OFFICE**  
**Department of Lands**  
**Corner Johnston and Tarcutta Streets (PO Box 60), Wagga Wagga, NSW 2650**  
**Phone: (02) 6937 2700 Fax: (02) 6921 1851**

**APPOINTMENT OF TRUST BOARD MEMBERS**

PURSUANT to section 93 of the Crown Lands Act 1989, the persons whose names are specified in Column 1 of the Schedule hereunder are appointed, for the terms of office specified thereunder, as members of the trust board for the reserve trust specified opposite thereto in Column 2, which has been established and appointed as trustee of the reserve referred to opposite thereto in Column 3 of the Schedule.

TONY KELLY, M.L.C.,  
 Minister Assisting the Minister for  
 Natural Resources (Lands)

SCHEDULE

COLUMN 1	COLUMN 2	COLUMN 3
Michael John KERR (re-appointment), Sandra Ann DRUM (new member), Peter James WILSON (re-appointment).	Balldale Recreation Reserve Trust.	Dedication No.: 620011. Public Purpose: Public recreation. Notified: 21 September 1917. File No.: WA80 R 158.

Term of Office

For a term commencing this day and expiring 30 June 2007.

**NOTIFICATION OF CLOSING OF A ROAD**

IN pursuance of the provisions of the Roads Act 1993, the road hereunder specified is closed, the road ceases to be a public road and the rights of passage and access that previously existed in relation to the road are extinguished.

TONY KELLY, M.L.C.,  
 Minister Assisting the Minister for  
 Natural Resources (Lands)

Descriptions

*Parish – Osborne; County – Urana;  
 Land District – Urana; Shire – Lockhart.*

Road Closed: Lot 1 in DP 1057378 at Boree Creek.

File No.: WA02 H 92.

Note: On closing, the land within the former Council public road will remain vested in the Council of the Shire of Lockhart as operational land.

*Parish – Albury; County – Goulburn;  
 Land District – Albury; City – Albury.*

Road Closed: Lot 1 in DP 1058395 at Albury.

File No.: WA02 H 139.

Note: On closing, the land within Lot 1 in DP 1058395, remains vested in the State of New South Wales as Crown Land.

**ADDITION TO RESERVED CROWN LAND**

PURSUANT to section 88 of the Crown Lands Act 1989, the Crown Land specified in Column 1 of the Schedule hereunder is added to the reserved land specified opposite thereto in Column 2 of the Schedule.

TONY KELLY, M.L.C.,  
 Minister Assisting the Minister for  
 Natural Resources (Lands)

SCHEDULE

COLUMN 1	COLUMN 2
Land District: Temora. Local Government Area: Coolamon Shire Council. Locality: Ardlethan. Lot 177, DP No. 750867, Parish Warri, County Bourke. Area: 1281 square metres. File No.: WA80 H 746.	Reserve No.: 88471. Public Purpose: Boy Scouts. Notified: 21 January 1972. Lot 7023, DP No. 94789, Parish Warri, County Bourke. New Area: 2579 square metres.

## Department of Mineral Resources

NOTICE is given that the following applications have been received:

### EXPLORATION LICENCE APPLICATIONS

(T03-0848)

No. 2171, MINERALS MINING & MARINE PTY LTD (ACN 067 603 570), area of 6 units, for Group 2, dated 22 September, 2003. (Broken Hill Mining Division).

(T03-0849)

No. 2172, NEW CHALLENGE RESOURCES PTY LTD (ACN 073 911 127), area of 3 units, for Group 2, dated 24 September, 2003. (Inverell Mining Division).

(T03-0852)

No. 2173, CAZALY RESOURCES LIMITED (ACN 101 049 334), area of 67 units, for Group 1, dated 26 September, 2003. (Inverell Mining Division).

KERRY HICKEY, M.P.,  
Minister for Mineral Resources

NOTICE is given that the following application has been granted:

### EXPLORATION LICENCE APPLICATION

(T02-0789)

No. 2043, now Exploration Licence No. 6125, HILL END GOLD LIMITED (ACN 072 692 365), County of Wellington, Map Sheet (8732, 8733), area of 88 units, for Group 1, dated 12 September, 2003, for a term until 11 September, 2005.

KERRY HICKEY, M.P.,  
Minister for Mineral Resources

NOTICE is given that the following application has been withdrawn:

### EXPLORATION LICENCE APPLICATION

(T03-0037)

No. 2082, M. A. ROCHE GROUP PTY. LTD. (ACN 060 536 441), County of Gough, Map Sheet (9239). Withdrawal took effect on 25 September, 2003.

KERRY HICKEY, M.P.,  
Minister for Mineral Resources

NOTICE is given that the following applications for renewal have been received:

(M77-5346)

Authorisation No. 143, DENDROBIUM COAL PTY LTD (ACN 098 744 088), area of 50 square kilometres. Application for renewal received 26 September, 2003.

(T93-0680)

Exploration Licence No. 4616, NEWCREST MINING LIMITED (ACN 005 683 625), area of 11 units. Application for renewal received 24 September, 2003.

(T94-0317)

Exploration Licence No. 5360, ARUMPO BENTONITE PTY LIMITED (ACN 001 831 483), area of 10 units. Application for renewal received 22 September, 2003.

(T00-0059)

Exploration Licence No. 5793, GOLDEN REEF ENTERPRISES PTY LTD (ACN 008 138 136), area of 8 units. Application for renewal received 25 September, 2003.

(C01-0242)

Exploration Licence No. 5899, LITHGOW COAL COMPANY PTY LIMITED (ACN 073 632 952), area of 76 hectares. Application for renewal received 22 September, 2003.

(T01-0118)

Exploration Licence No. 5900, REGIONAL EXPLORATION MANAGEMENT PTY LTD (ACN 093 739 336), area of 100 units. Application for renewal received 23 September, 2003.

(T01-0124)

Exploration Licence No. 5902, DIAMOND ROSE NL (ACN 075 860 472), area of 74 units. Application for renewal received 22 September, 2003.

(T02-0674)

Mining Purposes Lease No. 317 (Act 1973), PETER DAVID HALL, area of 9370 square metres. Application for renewal received 15 September, 2003.

KERRY HICKEY, M.P.,  
Minister for Mineral Resources

### RENEWAL OF CERTAIN AUTHORITIES

NOTICE is given that the following authorities have been renewed:

(C90-0703)

Authorisation No. 432, ENDEAVOUR COAL PTY LTD (ACN 099 830 476), County of Cumberland, Map Sheet (9029), area of 113.5 square kilometres, for a further term until 31 August, 2008. Renewal effective on and from 1 September, 2003.

(T00-0804)

Mining Purposes Lease No. 277 (Act 1973), RHONDA WINNIFRED WHITE, Parish of Wallangulla, County of Finch, Map Sheet (8439-2-S), area of 2.18 hectares, for a further term until 17 January, 2009. Renewal effective on and from 16 September, 2003.

(T01-0456)

Mining Purposes Lease No. 287 (Act 1973), VERNON JOHN MARRIOTT, Parish of Wallangulla, County of Finch, Map Sheet (8439-2-S), area of 1.351 hectares, for a further term until 9 June, 2008. Renewal effective on and from 16 September, 2003.

(T00-0606)

Mining Purposes Lease No. 292 (Act 1973), FOREST RECYCLED PRODUCTS PTY LTD (ACN 010994 779), Parish of Mebea, County of Finch, Map Sheet (8439-2-S), area of 2.24 hectares, for a further term until 13 July, 2008. Renewal effective on and from 16 September, 2003.

KERRY HICKEY, M.P.,  
Minister for Mineral Resources

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**CANCELLATION OF AUTHORITIES  
AT REQUEST OF HOLDERS**

NOTICE is given that the following authorities have been cancelled:

(T98-1057)

Exploration Licence No. 5577, ILUKA RESOURCES LIMITED (ACN 008 675 018), County of Livingstone, County of Manara, County of Mossgiel, County of Werunda and County of Woore, Map Sheet (7531, 7532, 7631, 7632, 7633, 7634, 7731, 7732, 7832), area of 2937 units. Cancellation took effect on 22 September, 2003.

(T83-0562)

Mining Lease No. 1239 (Act 1973), UNIMIN LIME (NSW) PTY LTD (ACN 004 776 989), Parish of Kullatine, County of Dudley, Map Sheet (9435-4-N), area of 4.619 hectares. Cancellation took effect on 25 September, 2003.

(T87-1061)

Mining Purposes Lease No. 1116 (Act 1906), UNIMIN LIME (NSW) PTY LTD (ACN 004 776 989), Parish of Kullatine, County of Dudley, Map Sheet (9435-4-N), area of 973.7 square metres. Cancellation took effect on 25 September, 2003.

KERRY HICKEY, M.P.,  
Minister for Mineral Resources

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**TRANSFERS**

(T99-0136)

Exploration Licence No. 5635, formerly held by SNOWMIST PTY LTD (ACN 011 041 384) has been transferred to SNOWMIST PTY LTD (ACN 011 041 384) and ALAMO LIMESTONE PTY LTD (ACN 094 851 911). The transfer was registered on 24 September, 2003.

(T02-0246)

Mining Purposes Lease No. 134 (Act 1973), formerly held by PATRICK MCERLAIN has been transferred to BRUCE LESLIE HALLETT and MELISSA HALLETT. The transfer was registered on 23 September, 2003.

KERRY HICKEY, M.P.,  
Minister for Mineral Resources

**COAL MINES REGULATION ACT 1982**

## NOTICE OF APPROVAL

Approval No.: MDA GD 5055  
File No.: C03/0352  
Date: 22/9/2003

Setco Electronic Monitoring System Type-02

PURSUANT to the provisions of Clause 127, Part 8 Monitoring and detecting equipment Coal Mines (Underground) Regulation 1999, I hereby approve as an automatic methane detector the Setco Electronic Monitoring System Type-02 supplied by Setco Australia Pty Ltd, subject to the following conditions:

1. There shall be no variation in design, construction, or performance from that of the samples tested by the Mine Safety Technical Services and reported in test report nos. 03/867 unless approval for modification has been obtained. Any repair that may affect the instrument's explosion protection properties shall be carried out at a workshop registered for the purpose.
2. Prior to being placed in service each gas monitor shall be tested for accuracy and calibrated by a NATA accredited test authority and a NATA endorsed certificate supplied to the mine.
3. The supplier shall ensure that the apparatus supplied complies with the requirements of the Occupational Health and Safety Act 2000.
4. The employer(s) shall ensure that the apparatus is used in compliance with the Occupational Health and Safety Act 2000.
5. At each mine where the instrument is used the Manager shall ensure that the instrument is maintained in accordance with the current Australian Standard AS2290.3 electrical equipment for coal mines – Maintenance and overhaul Part3 Maintenance of gas detecting and monitoring equipment.
6. At each mine where the instrument is used the Manager shall obtain the Chief Inspector of Coal Mines endorsement for the alarm level settings and positioning of gas sensor(s) based on a risk management techniques.
7. The Chief Inspector of Coal Mines may vary or revoke this approval at any time.
8. A copy of this notice shall be supplied with each apparatus supplied to a mine or rescue station.

R. REGAN,  
Chief Inspector Of Coal Mines

## COAL MINES REGULATION ACT 1982

Approval No.: MDA DES 020199/3  
File No.: C02/0199  
Date: 14 July 2003

## NOTICE OF TYPE APPROVAL (DIESEL ENGINE SYSTEM)

IT is hereby notified that the Approved System listed herein has been assessed for compliance with the Coal Mines Regulation Act and appropriate standards or requirements and is hereby APPROVED in accordance with the requirements of the COAL MINES REGULATION ACT 1982. This approval is issued pursuant to the provisions of Clause 70 Part 8 of Approval of Items of the Coal Mines (General) Regulation 1999.

This APPROVAL is issued to : DBT Diesel Pty Ltd , ACN 097 159 834  
Address of Approval Holder : 4-10 Karoonda Close, RATHMINES NSW 2283  
Description of Item : Type Approval for the Diesel Engine System (DES) on a DBT Diesel Pty Ltd LHD machine with a Caterpillar 3126 Direct Injection, Turbo Assisted (DITA) engine rated at 230 hp with dry exhaust system as per the documents listed.  
CMRA Approval Clause : 13 of the Coal Mines (Underground) Regulation 1999.  
Specific Approval Category : DES (Diesel Engine System)

This Approval is issued subject to compliance with the requirements of the Occupational Health and Safety Act 2000.

The Authority issuing the Approval has, for the purposes of the Occupational Health and Safety Act, 2000, appended a list of conditions, (including drawings, documents, etc.) that are applicable to this approved system, as identified during test and/or assessment, to assist the Approval Holder and User to comply with the obligations of the Occupational Health and Safety Act, 2000. The onus is on the Supplier and/or User to ensure the Approved System, and any deviation from the list of conditions, in reference to that system is not inferior in any way to the item tested and/or assessed, this includes the supply, installation and continuing use of the Approved System.

The Approval Number shall appear in a conspicuous place and in a legible manner on each approved system, unless specifically excluded.

A copy of the Approval Documentation shall be supplied to each user of the Approved System and shall comprise the number of pages listed in the footer block together with supplementary documentation as listed in the Schedule and in respect to drawings, **all** drawings as listed in the schedule and those drawings specifically nominated for the purposes of repair and maintenance.

Any maintenance, repair or overhaul of approved systems shall be carried out in accordance with the requirements of the Coal Mines Regulations Act 1982.

G. D. JERVIS,  
Acting Senior Inspector of Mechanical Engineering  
Under the delegated authority of the Chief Inspector of Coal Mines

Issue No. M5005  
274081-1  
Event No. 274081000  
Prepared by : P. Sunol

## COALMINES REGULATION ACT 1982

Approval No.: MDA TBS 030346  
File No.: C03/0346  
Date: 14 July 2003

## NOTICE OF TYPE APPROVAL (TRANSPORT BRAKING SYSTEM)

IT is hereby notified that the Approved System listed herein has been assessed for compliance with the Coal Mines Regulation Act and appropriate standards or requirements and is hereby APPROVED in accordance with the requirements of the COAL MINES REGULATION ACT 1982. This approval is issued pursuant to the provisions of Clause 70 Part 8 of Approval of Items of the Coal Mines (General) Regulation 1999.

This APPROVAL is issued to : DBT Diesel Pty Ltd , ACN 097 159 834  
Address of Approval Holder : 4010 Karoonda Close, RATHMINES NSW 2283  
Description of Item : Type approval for the Transport Braking System (TBS) on DBT Diesel Pty Ltd FBR-15 machine per the listed documents.  
CMRA Approval Clause : 61(1)(b) of the Coal Mines (Underground) Regulation 1999.  
Specific Approval Category : TBS (Transport Braking System)

This Approval is issued subject to compliance with the requirements of the Occupational Health and Safety Act 2000.

The Authority issuing the Approval has, for the purposes of the Occupational Health and Safety Act, 2000, appended a list of conditions, (including drawings, documents, etc.) that are applicable to this approved system, as identified during test and/or assessment, to assist the Approval Holder and User to comply with the obligations of the Occupational Health and Safety Act, 2000. The onus is on the Supplier and/or User to ensure the Approved System, and any deviation from the list of conditions, in reference to that system is not inferior in any way to the item tested and/or assessed, this includes the supply, installation and continuing use of the Approved System.

The Approval Number shall appear in a conspicuous place and in a legible manner on each approved system, unless specifically excluded.

A copy of the Approval Documentation shall be supplied to each user of the Approved System and shall comprise the number of pages listed in the footer block together with supplementary documentation as listed in the Schedule and in respect to drawings, **all** drawings as listed in the schedule and those drawings specifically nominated for the purposes of repair and maintenance.

Any maintenance, repair or overhaul of approved systems shall be carried out in accordance with the requirements of the Coal Mines Regulations Act 1982.

G. D. JERVIS,  
Acting Senior Inspector of Mechanical Engineering  
Under the delegated authority of the Chief Inspector of Coal Mines

Issue No. M5005  
271025-1  
Event No. 271025000  
Prepared by : P. Sunol



## COAL MINES REGULATION ACT 1982

Approval No.: MDA DES 030043/3  
File No.: C03/0043  
Date: 5 September 2003

## NOTICE OF TYPE APPROVAL (DIESEL ENGINE SYSTEM)

IT is hereby notified that the Approved System listed herein has been assessed for compliance with the Coal Mines Regulation Act and appropriate standards or requirements and is hereby APPROVED in accordance with the requirements of the COAL MINES REGULATION ACT 1982. This approval is issued pursuant to the provisions of Clause 70 Part 8 of Approval of items of the Coal Mines (General) Regulation 1999.

This APPROVAL is issued to : VA Eimco Australia Pty Ltd, ABN 38 070 973 330  
Address of Approval Holder : Old Punt Road, TOMAGO NSW 2322  
Description of Item : Type Approval for the Diesel Engine System (DES) on a VA Eimco Australia Pty Ltd, 220 LHD machine with a Caterpillar 3216 Direct Injection, Turbo Assisted (DITA) engine rated at 150 kW with wet exhaust system per the listed documents.  
CMRA Approval Clause : 13 of the Coal Mines (Underground) Regulation 1999.  
Specific Approval Category : DES (Diesel Engine System)

This Approval is issued subject to compliance with the requirements of the Occupational Health and Safety Act 2000.

The Authority issuing the Approval has, for the purposes of the Occupational Health and Safety Act, 2000, appended a list of conditions, (including drawings, documents, etc.) that are applicable to this approved item, as identified during test and/or assessment, to assist the Approval Holder and User to comply with the obligations of the Occupational Health and Safety Act, 2000. The onus is on the Supplier and/or User to ensure the Approved System, and any deviation from the list of conditions, in reference to that system is not inferior in any way to the system tested and/or assessed, this includes the supply, installation and continuing use of the approved system.

The Approval Number shall appear in a conspicuous place and in a legible manner on each approved system, unless specifically excluded.

A copy of the Approval Documentation shall be supplied to each user of the approved system and shall comprise the number of pages listed in the footer block together with supplementary documentation as listed in the Schedule and in respect to drawings, **all** drawings as listed in the schedule and those drawings specifically nominated for the purposes of repair and maintenance.

Any maintenance, repair or overhaul of Approved system shall be carried out in accordance with the requirements of the Coal Mines Regulations Act 1982.

G. D. JERVIS,  
Acting Senior Inspector of Mechanical Engineering  
Under the delegated authority of the Chief Inspector of Coal Mines

Issue No. M5005  
277602-1  
Event No. 277602000  
Prepared by : P. Sunol

## Roads and Traffic Authority

### ROADS ACT 1993

#### LAND ACQUISITION (JUST TERMS COMPENSATION) ACT 1991

Notice of Compulsory Acquisition of a Lease of Land at  
Blacktown in the Blacktown City Council area.

THE Roads and Traffic Authority of New South Wales by its delegate declares, with the approval of Her Excellency the Governor, that the interest in the land described in the Schedule below is acquired by compulsory process under the provisions of the Land Acquisition (Just Terms Compensation) Act 1991 for the purposes of the Roads Act 1993.

D J Lorschly  
Manager, Compulsory Acquisition and Road Dedication  
Roads and Traffic Authority of New South Wales

#### SCHEDULE

A Lease, as described in Memorandum 2253654 recorded at the Land and Property Information New South Wales, of the area of land shown as about 1960 square metres on RTA Sketch SW0598, being part of Lot 137 Deposited Plan 12443 and also part of the land in Auto Consol 3916-122.

The land is said to be in the possession of Blacktown City Council.

(RTA Papers FPP 3M4095)

### ROADS ACT 1993

#### Order - Section 31

Fixing or Varying of Levels  
of part of the Newell Highway north of Parkes  
in the Narromine Shire Council area

THE Roads and Traffic Authority of New South Wales, by this Order under Section 31 of the Roads Act 1993, fixes or varies the levels of part of State Highway No 17 – Newell Highway between 61.610 km to 66.070 km north of Parkes, as shown on Roads and Traffic Authority Plan No 0017.322.RC.3679 & 0017.322.RC.3680.

PJ Deardon  
Project Services Manager  
Roads and Traffic Authority of New South Wales  
51-55 Currajong Street  
Parkes NSW 2870

(RTA Papers FPP 322.5357; RO 17/322.5102)

### ROADS ACT 1993

#### LAND ACQUISITION (JUST TERMS COMPENSATION) ACT 1991

Notice of Compulsory Acquisition of Land at Bombo  
in the Kiama Municipal Council area

THE Roads and Traffic Authority of New South Wales by its delegate declares, with the approval of Her Excellency the Governor, that the land described in the schedule below is acquired by compulsory process under the provisions of the Land Acquisition (Just Terms Compensation) Act 1991 for the purposes of the Roads Act 1993.

D J Lorschly  
Manager, Compulsory Acquisition and Road Dedication  
Roads and Traffic Authority of New South Wales

#### SCHEDULE

All those pieces or parcels of land situated in the Kiama Municipal Council area, Parish of Kiama and County of Camden, shown as Lots 100 and 105 Deposited Plan 1042921, being parts of the land remaining in Deed of Acknowledgement Book 823 No 204, excluding from the compulsory acquisition of Lots 100 and 105 the interests of the Minister for Public Works (and his successors) as described in Deed of Conveyance Book 1274 No 349.

The land is said to be in the possession of the Estate of the Late Charles Cameron.

(RTA Papers FPP 3M2273; RO 1/236.1393)

**ROADS ACT 1993**

Notice of Dedication of Land as Public Road  
at Stonehenge and Glencoe in the Severn Shire Council area

THE Roads and Traffic Authority of New South Wales, by its delegate, dedicates the land described in the schedule below as public road under section 10 of the Roads Act 1993.

D J Lorsch  
Manager, Compulsory Acquisition & Road Dedication,  
Roads and Traffic Authority of New South Wales.

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**SCHEDULE**

All those pieces or parcels of land situated in the Severn Shire Council area, Parishes of Stonehenge, Fletcher, Ben Lomond and Llangothlin and County of Gough, shown as:

Lots 11, 12 and 13 Deposited Plan 203321;  
Lot 280 Deposited Plan 753311;  
Lots 2 and 3 Deposited Plan 630158;  
Lots 5, 6, 7 and 8 Deposited Plan 263848;  
Lot 2 Deposited Plan 630157;  
Lot 7 Deposited Plan 634923;  
Lots 5 and 6 Deposited Plan 805842;  
Lots 6, 7, 8 and 9 Deposited Plan 805636;  
Lots 11, 12 and 13 Deposited Plan 811978;  
Lots 1 and 2 Deposited Plan 106782; and  
Lot 1 Deposited Plan 108035.

(RTA Papers: 9/400.1224)

## Roads Act 1993

### Notice under Clause 17 of the Road Transport (Mass, Loading and Access) Regulation, 1996

Copmanhurst Council, in pursuance of Division 2 of Part 3 of the *Road Transport (Mass, Loading and Access) Regulation 1996*, by this Notice, specify the routes and areas on or in which B-Doubles may be used subject to any requirements or conditions set out in the Schedule.

**GEORGE COWAN**  
**General Manager**  
**Copmanhurst Council**  
 (By delegation from the Minister for Roads)

### Schedule

#### 1. Citation

This Notice may be cited as the Copmanhurst Shire Council B-Doubles Notice No 1, 2003.

#### 2. Commencement

This Notice takes effect from date of gazettal.

#### 3. Effect

This Notice remains in force until 1 January, 2009 unless it is amended or repealed earlier.

#### 4. Application

4.1 This Notice applies to B-Doubles that comply with Schedule 1 to the Road Transport (Mass, Loading and Access) regulation 1996 and Schedule 4 to the Road Transport (Vehicle Registration) Regulation 1998.

#### 5. Routes

##### B-Double routes within the Copmanhurst Council

Type	Road No	Road Name	Starting point	Finishing point	Conditions
25m	000	Trenayr Road	Summerland Way (MR83)	Red Lane	
25m	000	Red Lane	Summerland Way (MR83)	Trenayr Road	
25m	000	Mill Road	Summerland Way (MR83)	End	
25m	000	Wyan Road	Richmond Valley Shire boundary	Old Tenterfield Road	
25m	000	Old Tenterfield Road	Wyan Road	Richards Timber Mill	

## Other Notices

### APPRENTICESHIP AND TRAINEESHIP ACT

#### ORDER

I, Pam Christie, Commissioner for Vocational Training, in pursuance of section 5 of the *Apprenticeship and Traineeship Act 2001*, make the Order set forth hereunder.

PAM CHRISTIE,  
Commissioner for Vocational Training

#### Commencement

1. This Order takes effect from the date of publication in the NSW Government Gazette.

#### Amendment

2. The Apprenticeship and Traineeship Orders are amended by:

(a) omitting from Schedule 2 the following recognised trade vocations:

*Drafting Trade (Architectural)*  
*Drafting Trade (Civil and Survey)*

(b) inserting in Schedule 2 in appropriate alphabetical order the following vocation which is designated as a recognised trade vocation for the purpose of the *Apprenticeship and Traineeship Act 2001*:

*Drafting Trade (Electrical)*

### APPRENTICESHIP AND TRAINEESHIP TRAINING ACT 2001

#### Notice of Making of a Vocational Training Order

NOTICE is given that the Commissioner for Vocational Training, in pursuance of section 6 of the *Apprenticeship and Traineeship Act 2001*, has made the following Vocational Training Order in relation to the recognised trade vocation of Drafting Trade (Electrical).

#### CITATION

The order is cited as the Drafting Trade (Electrical) Order.

#### ORDER

A summary of the Order is given below.

(a) Term of Training

##### (i) Full-time

Training shall be given for a nominal term of four years or until achievement of the relevant competencies to this Vocational Training Order is demonstrated

(b) Competency Outcomes

Apprentices will be trained in and achieve competence in the relevant endorsed National Competency Standards.

(c) Courses of Study to be undertaken

Apprentices will undertake the following courses of study:

**Certificate III in Drafting Trades TAFE NSW  
Course 3442**

### AVAILABILITY FOR INSPECTION

A copy of the Vocational Training Order may be inspected at any Industry Training Centre of the Department of Education and Training or on the Internet at <http://apprenticeship.det.nsw.edu.au>

### APPRENTICESHIP AND TRAINEESHIP TRAINING ACT 2001

Notice of Making of a Vocational Training Order  
NOTICE is given that the Commissioner for Vocational Training, in pursuance of section 6 of the *Apprenticeship and Traineeship Act 2001*, has made the following Vocational Training Order in relation to the recognised trade vocation of Drafting Trade (Mechanical).

#### CITATION

The order is cited as the Drafting Trade (Mechanical) Order.

#### ORDER

A summary of the Order is given below.

(a) Term of Training

##### (i) Full-time

Training shall be given for a nominal term of four years or until achievement of the relevant competencies to this Vocational Training Order is demonstrated

(b) Competency Outcomes

Apprentices will be trained in and achieve competence in the relevant endorsed National Competency Standards.

(c) Courses of Study to be undertaken

Apprentices will undertake the following courses of study:

**Certificate III in Drafting Trades TAFE NSW  
Course 3442**

### AVAILABILITY FOR INSPECTION

A copy of the Vocational Training Order may be inspected at any Industry Training Centre of the Department of Education and Training or on the Internet at <http://apprenticeship.det.nsw.edu.au>

### APPRENTICESHIP AND TRAINEESHIP TRAINING ACT 2001

#### Notice of Making of a Vocational Training Order

NOTICE is given that the Commissioner for Vocational Training, in pursuance of section 6 of the *Apprenticeship and Traineeship Act 2001*, has made the following Vocational Training Order in relation to the recognised trade vocation of Drafting Trade (Structural).

#### CITATION

The order is cited as the Drafting Trade (Structural) Order.

#### ORDER

A summary of the Order is given below.

(a) Term of Training(i) **Full-time**

Training shall be given for a nominal term of four years or until achievement of the relevant competencies to this Vocational Training Order is demonstrated

(b) Competency Outcomes

Apprentices will be trained in and achieve competence in the relevant endorsed National Competency Standards.

(c) Courses of Study to be undertaken

Apprentices will undertake the following courses of study:

**Certificate III in Drafting Trades TAFE NSW  
Course 3442**

**AVAILABILITY FOR INSPECTION**

A copy of the Vocational Training Order may be inspected at any Industry Training Centre of the Department of Education and Training or on the Internet at <http://apprenticeship.det.nsw.edu.au>

**APPRENTICESHIP AND TRAINEESHIP ACT 2001**

## Notice of Making of a Vocational Training Order

NOTICE is given that the Commissioner for Vocational Training, in pursuance of section 6 of the *Apprenticeship and Traineeship Act 2001*, has made the following Vocational Training Order in relation to the recognised traineeship vocation of Film, Television, Radio and Multimedia.

**CITATION**

The order is cited as the Film, Television, Radio and Multimedia Order.

**ORDER**

A summary of the Order is given below.

(a) Term of Training(i) **Full-time**

Training shall be given for a nominal period of 12 months each for a Certificate II or a Certificate III outcome and 24 months for a Certificate IV outcome or until achievement of the relevant competencies to this Vocational Training Order is demonstrated.

(ii) **Part-time**

The nominal term for a part time traineeship is determined by the average weekly hours worked in the traineeship (including structured training) and the nominal full-time term for that traineeship.

**School based traineeships**

In the case of school-based part-time traineeships, where the nominal full-time term is twelve (12) months, training shall be for nominal terms up to 30 months within which period(s) trainees shall be required to demonstrate competencies relevant to the Vocational Training Order. Training may extend to 36 months where the Higher School Certificate is being delivered over a three (3) year period.

Students may work full-time during school vacations. They are not required to attend on-the-job or off-the-job training for more than 7.6 hours per week during examination periods or exam preparation periods.

The table below identifies the allowable hours that may be undertaken and the nominal terms for part-time traineeships.

Full-time Traineeship Term	6 mths	12 mths	18 mths	24 mths	30 mths	36 mths	48 mths
Weekly Hours	Nominal Term Required (Months)						
15	15	30	45	Not Allowable			
16	15	29	44	Not Allowable			
17	14	28	42	Not Allowable			
18	14	27	41	Not Allowable			
19	13	26	39	Not Allowable			
20	13	25	38	Not Allowable			
21	12	24	36	48	Not Allowable		
22	12	23	35	46	Not Allowable		
23	11	22	33	44	55	Not Allowable	
24	11	21	32	42	53	Not Allowable	
25	10	20	30	40	50	60	Not Allowable
26	10	19	29	38	48	57	Not Allowable
27	9	18	27	36	45	54	72
28	9	17	26	34	43	51	68
29	8	16	24	32	40	48	64
30	8	15	23	30	38	45	60
31	Not Allowable		22	28	35	42	56
32	Not Allowable		20	26	33	39	52

(b) Competency Outcomes

Trainees will be trained in and achieve competence in the units of competence specified in the Film, Television, Radio and Multimedia Training Package (CUF01).

(c) Courses of Study to be Undertaken

Trainees will undertake the following courses of study:

**Certificate II in Screen CUF20301**

**Certificate III in Screen CUF30101**

**Certificate IV in Screen CUF40401**

**Certificate II in Broadcasting (Radio) CUF20401**

**Certificate III in Broadcasting (Radio) CUF30301**

**Certificate IV in Broadcasting (Radio) CUF40601**

**Certificate II in Broadcasting (Television) CUF20501**

**Certificate III in Broadcasting (Television) CUF30401**

**Certificate II in Multimedia CUF20601**

**Certificate III in Multimedia CUF30601**

**Certificate IV in Multimedia CUF40801**

**AVAILABILITY FOR INSPECTION**

A copy of the Vocational Training Order may be inspected at any Industry Training Centre of the Department of Education and Training or on the Internet at <http://apprenticeship.det.nsw.edu.au>

**APPRENTICESHIP AND TRAINEESHIP ACT****ORDER**

I, Pam Christie, Commissioner for Vocational Training, in pursuance of section 5 of the Apprenticeship and Traineeship Act 2001, make the Order set forth hereunder.

PAM CHRISTIE,  
Commissioner for Vocational Training

**Commencement**

1. This Order takes effect from the date of publication in the NSW Government Gazette.

**Amendment**

2. The Apprenticeship and Traineeship Orders are amended by:

inserting in Schedule 2 in appropriate alphabetical order the following vocation which is designated as a recognised traineeship vocation for the purposes of the Apprenticeship and Traineeship Act 2001:

**Funeral Services****APPRENTICESHIP AND TRAINEESHIP TRAINING ACT 2001****Notice of Making of a Vocational Training Order**

NOTICE is given that the Commissioner for Vocational Training, in pursuance of section 6 of the *Apprenticeship and Traineeship Act 2001*, has made the following Vocational Training Order in relation to the recognised traineeship vocation of Funeral Services.

**CITATION**

The order is cited as the Funeral Services Order.

**ORDER**

A summary of the Order is given below.

**(a) Term of Training****(i) Full-time**

The nominal term of training shall be as follows:

<b>Qualification</b>	<b>Nominal Term</b>
All Certificates II	12 months
All Certificates III*	24 months
*If the learner has successfully completed a Certificate II qualification then the nominal term for Certificate III in the <b>same specialist</b> qualification is:	12 months
All Certificate IV#	36 months
#If the learner has successfully completed: Certificate III in Funeral Services (Funeral Operations) <b>then</b> the nominal term for Certificate IV in Funeral Services, or Certificate IV in Funeral Services (Embalming) is:	12 months
Certificate III in Funeral Services (Cemetery/ Crematoria Operations), or Certificate III in Funeral Services (Gravedigging, Grounds and Maintenance) <b>then</b> the nominal term for Certificate IV in Funeral Services is:	12 months

or until achievement of the relevant competencies to this Vocational Training Order is demonstrated.

**(ii) Part-time**

The nominal term for a part time traineeship is determined by the average weekly hours worked in the traineeship (including structured training) and the nominal full-time term for that traineeship.

The table below identifies the allowable hours which may be undertaken and the nominal terms for part-time traineeships.

Full-time Traineeship Term	6 mths	12 mths	18 mths	24 mths	30 mths	36 mths	48 mths
Weekly Hours	Nominal Term Required (Months)						
15	15	30	45	Not Allowable			
16	15	29	44	Not Allowable			
17	14	28	42	Not Allowable			
18	14	27	41	Not Allowable			
19	13	26	39	Not Allowable			
20	13	25	38	Not Allowable			
21	12	24	36	48	Not Allowable		
22	12	23	35	46	Not Allowable		
23	11	22	33	44	55	Not Allowable	
24	11	21	32	42	53	Not Allowable	
25	10	20	30	40	50	60	Not Allowable
26	10	19	29	38	48	57	Not Allowable
27	9	18	27	36	45	54	72
28	9	17	26	34	43	51	68
29	8	16	24	32	40	48	64
30	8	15	23	30	38	45	60
31	Not Allowable		22	28	35	42	56
32	Not Allowable		20	26	33	39	52

**(b) Competency Outcomes**

Trainees will be trained in and achieve competence in the endorsed National Funeral Services Competency Standards.

**(c) Courses of Study to be undertaken**

Trainees will undertake the following courses of study:

**Certificate II in Funeral Services (Coffin and Casket Manufacture) WFS20102**

**Certificate II in Funeral Services (Funeral Operations) WFS20202**

**Certificate II in Funeral Services (Cemetery/ Crematoria Operations) WFS20302**

**Certificate II in Funeral Services (Grounds and Maintenance) WFS20402**

**Certificate III in Funeral Services (Coffin and Casket Manufacture) WFS30102**

<b>Certificate III in Funeral Services (Funeral Operations) WFS30202</b>	13	280,600	1,194,600
	14	284,500	1,193,500
	15	284,500	1,192,800
Certificate III in Funeral Services (Cemetery/Crematoria Operations) WFS30302	16	282,000	1,192,400
	17	280,600	1,192,800
	18	281,800	1,191,300
Certificate III in Funeral Services (Gravedigging, Grounds and Maintenance) WFS30402	19	282,300	1,191,200
	20	282,400	1,190,900
Certificate IV in Funeral Services WFS40102	21	282,000	1,190,600
	22	281,600	1,190,600
<b>Certificate IV in Funeral Services (Embalming) WFS40202</b>	23	279,500	1,189,500
	24	278,900	1,189,500
	25	278,500	1,191,500
	26	279,100	1,193,500
	27	278,500	1,193,700
	28	277,500	1,192,800
	29	277,100	1,193,500
	30	277,500	1,194,600
	31	276,300	1,196,000
	32	276,300	1,197,500
	33	275,400	1,197,700
	34	275,400	1,199,400

**AVAILABILITY FOR INSPECTION**

A copy of the Vocational Training Order may be inspected at any Industry Training Centre of the Department of Education and Training or on the Internet at <http://apprenticeship.det.nsw.edu.au>

**CASINO CONTROL ACT 1992**

## APPOINTMENT

## NSWCASINOCONTROLAUTHORITY

IN the notification appearing in the *Government Gazette* of 19 September 2003, Folio 9428, under the heading NSW Casino Control Authority Appointment, "GRANT McBRIDE MP, Minister for Gaming and Racing" should read "REBA MEAGHER MP, Acting Minister for Gaming and Racing".

Australian Map Grid and Map Grid of Australia co-ordinates for the above points, as well as plan NA-55 showing the area, are available from the Department of Mineral Resources and from the Dams Safety Committee.

L.A. McDONALD,  
Chairman  
Dams Safety Committee

P.O. Box 3720  
Parramatta NSW 2124

**DAMS SAFETY ACT 1978 AND MINING ACT 1992**

Order under Section 369 of the Mining Act 1992  
Cordeaux Notification Area

The order published in Gazette No. 73 of 4 July 1997 is revoked.

**ORDER UNDER SECTION 369 OF THE MINING ACT 1992**  
Cordeaux Notification Area

The Dams Safety Committee pursuant to Section 369 of the Mining Act 1992, hereby declares that with regard to Cordeaux and Upper Cordeaux No. 2 Dams, being prescribed dams under the Dams Safety Act 1978, the land described in the schedule hereto is the notification area of the said dams.

## SCHEDULE

The area bounded by straight lines joining the following 34 ordered points on maps Bargo 9029-III-N First Edition 1:25 000, Bulli 9029-II-N First Edition 1:25 000 and Wollongong 9029-II-S First Edition 1:25 000; the points are specified by Integrated Survey Grid co-ordinates in Zone 56/1:

Point	ISG East Co-ordinate	ISG North Co-ordinate
1	276,000	1,200,200
2	277,000	1,200,200
3	277,900	1,199,400
4	278,000	1,198,900
5	279,000	1,198,900
6	279,800	1,197,900
7	279,500	1,197,400
8	278,500	1,197,000
9	279,500	1,196,400
10	281,400	1,197,000
11	282,500	1,195,500
12	282,500	1,194,600

**DAMS SAFETY ACT 1978 AND MINING ACT 1992**

Order under Section 369 of the Mining Act 1992  
Wambo Notification Area

The Dams Safety Committee pursuant to Section 369 of the Mining Act 1992, hereby declares that with regard to Wambo Tailings Dam, being a prescribed dam under the Dams Safety Act 1978, the land described in the schedule hereto is the notification area of the said dam.

## SCHEDULE

The area bounded by straight lines joining the following 7 ordered points on maps Doyles Creek 9032-I-N First Edition 1:25 000 and Singleton 9132-IV-N First Edition 1:25 000; the points are specified by Map Grid of Australia 1994 co-ordinates in Zone 56:

Point	MGA94 East	MGA94 North
1	310900	6393700
2	311000	6395200
3	312400	6395300
4	313700	6394800
5	313700	6393700
6	313300	6392800
7	312100	6392800

Australian Map Grid and Integrated Survey Grid co-ordinates for the above points, as well as plan NA-56 showing the area, are available from the Department of Mineral Resources and from the Dams Safety Committee.

L.A. McDonald,  
Chairman  
Dams Safety Committee

P.O. Box 3720  
Parramatta NSW 2124



**DISTRICT COURT OF NEW SOUTH WALES**

## Direction

PURSUANT to section 32 of the District Court Act 1973, I direct that the District Court shall sit in its civil jurisdiction at the place and time shown as follows:

Sydney 10.00 a.m. 19th January 2004 (2 weeks)

Dated this 26th day of September 2003.

R. O. BLANCH,  
Chief Judge

**DISTRICT COURT OF NEW SOUTH WALES**

## Direction

PURSUANT to section 32 of the District Court Act 1973, I direct that the District Court shall sit in its civil jurisdiction at the place and time shown as follows:

Coffs Harbour 10.00 a.m. 3rd May 2004 (3 weeks)  
In lieu of 3rd May 2004  
(2 weeks)

Dated this 23rd day of September 2003.

R. O. BLANCH,  
Chief Judge

**DISTRICT COURT OF NEW SOUTH WALES**

## Direction

PURSUANT to section 32 of the District Court Act 1973, I direct that the District Court shall sit in its civil jurisdiction at the place and time shown as follows:

Albury 10.00 a.m. 9 February 2004 (2 weeks)  
in lieu of 9 February 2004  
(3 weeks)  
  
7 June 2004 (2 weeks)  
in lieu of 7 June 2004  
(3 weeks)

Dated this 15th day of September 2003.

R. O. BLANCH,  
Chief Judge

**DISTRICT COURT OF NEW SOUTH WALES**

## Direction

PURSUANT to section 173 of the District Court Act 1973, I direct that the District Court shall sit in its criminal jurisdiction at the place and time shown as follows:

East Maitland 10:00am 8th March 2004  
(3 weeks)  
In lieu of 1<sup>st</sup> March 2004  
(3 weeks)  
  
Sydney 10:00am 19th January 2004  
(2 weeks)

Dated this 26th day of September 2003.

R. O. BLANCH,  
Chief Judge

**DISTRICT COURT OF NEW SOUTH WALES**

## Direction

PURSUANT to section 32 of the District Court Act 1973, I direct that the District Court shall sit in its civil jurisdiction at the place and time shown as follows:

Lismore 10.00 a.m. 2 February 2004  
(2 weeks)  
in lieu of 2 February  
2004 (3 weeks)  
  
22 March 2004 (2 weeks)  
in lieu of 22 March 2004  
(3 weeks)  
  
31 May 2004 (2 weeks)  
in lieu of 31 May 2004  
(3 weeks)

Dated this 15th day of September 2003.

R. O. BLANCH,  
Chief Judge

**DISTRICT COURT OF NEW SOUTH WALES**

## Direction

PURSUANT to section 32 of the District Court Act 1973, I direct that the District Court shall sit in its civil jurisdiction at the place and time shown as follows:

Orange 10.00 a.m. 26 April 2004 (2 weeks)  
in lieu of 26 April 2004  
(3 weeks)

Dated this 15th day of September 2003.

R. O. BLANCH,  
Chief Judge

**NATIONAL PARKS AND WILDLIFE ACT, 1974**

## Notice of Reservation of Regional Park

I, Professor Marie Bashir AC, Governor of the State of New South Wales, with the advice of the Executive Council, reserve the land described in the Schedule below, and assign to that land the name **Coffs Coast Regional Park** under the provisions of Section 30A(1) and Section 30A(2) of the National Parks and Wildlife Act, 1974.

Signed and sealed at Sydney this 18th day of December, 2002.

MARIE BASHIR,  
GOVERNOR

By Her Excellency's Command

BOB DEBUS, M.P.,  
Minister for the Environment

GOD SAVE THE QUEEN!

—————  
SCHEDULE

*Land District — Bellingen;  
LGA — Coffs Harbour City*

County Fitzroy, Parishes Coff, Moonee & Woolgoolga, about 360 hectares, being the areas described in miscellaneous plan R00103 held in the Head Office of the National Parks & Wildlife Service.: NPWS/02/09507.

**Note:** All affected Crown Reserves are hereby revoked by virtue of this notice.

**NATIONAL PARKS AND WILDLIFE ACT 1974**

## Ballina Nature Reserve Plan of Management

IN pursuance of Section 76 of the *National Parks and Wildlife Act 1974* it is hereby notified that a Plan of Management for Ballina Nature Reserve was adopted by the Minister for the Environment on 4<sup>th</sup> August 2003.

Copies of the plan may be purchased at a cost of \$8.50 from the NPWS Northern Rivers Regional office, 75 Main Street, Alstonville; and The National Parks Centre, 102 George Street, The Rocks, NSW 2655. The plan is also available on the NPWS web site: [www.nationalparks.nsw.gov.au](http://www.nationalparks.nsw.gov.au).

**National Parks and Wildlife Act 1974**

## Wambina Nature Reserve Plan of Management

IN pursuance of Section 76 of the *National Parks and Wildlife Act 1974* it is hereby notified that a Plan of Management for Wambina Nature Reserve was adopted by the Minister for the Environment on 30<sup>th</sup> July 2003.

Copies of the plan may be purchased at a cost of \$8.50 from the NPWS Central Coast Regional office, Suites 36-38, 207 Albany Street North, Gosford; and The National Parks Centre, 102 George Street, The Rocks, NSW 2655. The plan is also available on the NPWS web site: [www.nationalparks.nsw.gov.au](http://www.nationalparks.nsw.gov.au).

**NATIONAL PARKS AND WILDLIFE ACT 1974**

## Flagstaff Memorial Nature Reserve Plan of Management

A plan of management for Flagstaff Memorial Nature Reserve has been prepared and may be viewed during office hours at:

- NPWS South West Slopes office, 7 Adelong Road, Tumut
- Cootamundra Shire Council, Wallendoon Street, Cootamundra
- Stockinbingal Newsagency, 26 Hibernia Street, Stockinbingal
- The National Parks Centre, 102 George Street, The Rocks
- NPWS Head Office Library, Level 7, 43 Bridge Street, Hurstville

Copies of the plan may be obtained free of charge from the above NPWS offices and the National Parks Centre. The plan is also available on the NPWS website at [www.nationalparks.nsw.gov.au](http://www.nationalparks.nsw.gov.au).

Written submissions on the plan must be received by The Planner, Flagstaff Memorial NR, NPWS, P.O. Box 472, Tumut NSW 2720 by 5 January 2004.

All submissions received by NPWS are a matter of public record and are available for public inspection upon request to NPWS. Your comments on this draft plan of management may contain information that is defined as “personal information” under the NSW *Privacy and Personal Information Protection Act 1998*. The submission of personal information with your comments is voluntary.

**NATIONAL PARKS AND WILDLIFE ACT 1974**

## Benambra National Park and Tabletop Nature Reserve Plan of Management

A plan of management for the above park and reserve has been prepared and may be viewed during office hours at:

- NPWS South West Slopes office, 7 Adelong Road, Tumut
- Hume Shire Council, 539-541 Kiewa Street, Albury
- Culcairn Shire Council, 40 Balfour Street, Culcairn
- Holbrook Shire Council, 39 Young Street, Holbrook
- Gerogery Supply Store, Main Street, Gerogery
- The National Parks Centre, 102 George Street, The Rocks
- NPWS Head Office Library, Level 7, 43 Bridge Street, Hurstville

Copies of the plan may be obtained free of charge from the above NPWS offices and the National Parks Centre. The plan is also available on the NPWS website at [www.nationalparks.nsw.gov.au](http://www.nationalparks.nsw.gov.au).

Written submissions on the plan must be received by The Planner, Benambra NP and Tabletop NR, NPWS, P.O. Box 472, Tumut NSW 2720 by 5 January 2004.

All submissions received by NPWS are a matter of public record and are available for public inspection upon request to NPWS. Your comments on this draft plan of management may contain information that is defined as “personal information” under the NSW *Privacy and Personal Information Protection Act 1998*. The submission of personal information with your comments is voluntary.

**NATIONAL PARKS AND WILDLIFE ACT 1974**Yanununbeyan National Park, Nature Reserve and State Conservation Area  
Plan of Management

A plan of management for the above parks has been prepared and may be viewed during office hours at:

- NPWS South West Slopes office, 7 Adelong Road, Tumut
- NPWS Queanbeyan Area office, 6 Rutledge Street, Queanbeyan
- The National Parks Centre, 102 George Street, The Rocks
- NPWS Head Office Library, Level 7, 43 Bridge Street, Hurstville

Copies of the plan may be obtained free of charge from the above locations. The plan is also available on the NPWS website at [www.nationalparks.nsw.gov.au](http://www.nationalparks.nsw.gov.au).

Written submissions on the plan must be received by The Planner Yanununbeyan, NPWS, P.O. Box 472, Tumut NSW 2720 by 5 January 2004.

All submissions received by NPWS are a matter of public record and are available for public inspection upon request to NPWS. Your comments on this draft plan of management may contain information that is defined as “personal information” under the NSW *Privacy and Personal Information Protection Act 1998*. The submission of personal information with your comments is voluntary.

**NATIONAL PARKS AND WILDLIFE ACT, 1974**

## ERRATUM

IN the notice published in the *NSW Government Gazette* dated 19 September, 2003, folio 9473, reserving part of Jervis Bay National Park, lot 13 DP 8362 referred to in the *Schedule* is incorrect and should read lot 28 DP 8362.

LISA CORBYN,  
Director-General  
Department of Environment and Conservation

**NATIONAL PARKS AND WILDLIFE ACT, 1974**

## Notice of Reservation of National Park

I, Professor Marie Bashir AC, Governor of the State of New South Wales, with the advice of the Executive Council, reserve the land described in the Schedule below, as part of **Meroo National Park**, under the provisions of section 30A(1) of the National Parks and Wildlife Act, 1974.

Signed and sealed at Sydney this 2<sup>4</sup><sup>th</sup> day of September, 2003.

MARIE BASHIR,  
Governor

By Her Excellency's Command

BOB DEBUS,  
Minister for the Environment

GODSAVE THE QUEEN!

## SCHEDULE

*Land District — Nowra;*  
*LGA — Shoalhaven*

County St. Vincent, Parish Termeil, 1.537 hectares, being lot 1 DP 1046998: NPWS/A/6120.

**POISONS AND THERAPEUTIC GOODS ACT 1966**  
**ORDER UNDER CLAUSE 171(1),**  
**POISONS AND THERAPEUTIC GOODS**  
**REGULATION 2002**

## Withdrawal of Drug Authority

IN accordance with the provisions of clause 171(1) of the Poisons and Therapeutic Goods Regulation 2002 an order has been made on Dr Karanalu Vinatheya PRAKASH of 21/9 Bayview Avenue, The Entrance 2261, prohibiting him until further notice, as a medical practitioner from supplying or having possession of drugs of addiction as authorised by clause 101 of the Regulation and issuing a prescription for a drug of addiction as authorised by clause 76 of the Regulation.

This order is to take effect on and from Friday 3 October 2003.

ROBYN KRUK,  
Director-General

Department of Health, New South Wales,  
Sydney, 1 October 2003

**RURAL FIRES ACT 1997**

PURSUANT to Section 82 of the Rural Fires Act 1997 as amended, the Commissioner of the NSW Rural Fire Service, following consultation with the local stakeholders, declares the following Local Bush Fire Danger Period Variation:

**Area of Variation:** Mid Murray Zone incorporating;  
Conargo Local Government Area  
Deniliquin Local Government Area  
Jerilderie Local Government Area

The Local Bush Fire Danger period has been revoked for the period 1 October until 30 October 2003.

During this period permits pursuant to Section 87 of the Rural Fires Act 1997 as amended, will not be required for the lighting of fire for the purposes of land clearance or fire breaks.

MARK CROSWELLER, AFSM,  
Assistant Commissioner  
Executive Director Operations & Regional  
Management  
Delegate

**RURAL FIRES ACT 1997**

PURSUANT to Section 82 of the Rural Fires Act 1997 as amended, the Commissioner of the NSW Rural Fire Service, following consultation with the local stakeholders, declares the following Local Bush Fire Danger Period Variation:

**Area of Variation:** Murray Irrigation Area Team  
incorporating;  
Griffith Local Government Area  
Leeton Local Government Area  
Murrumbidgee Local Government  
Area  
Narrandera Local Government  
Area

The Local Bush Fire Danger period has been revoked for the period 1 October until 30 October 2003.

During this period permits pursuant to Section 87 of the Rural Fires Act 1997 as amended, will not be required for the lighting of fire for the purposes of land clearance or fire breaks.

MARK CROSWELLER, AFSM,  
Assistant Commissioner  
Executive Director Operations & Regional  
Management  
Delegate

**RURAL FIRES ACT 1997**

PURSUANT to Section 82 of the Rural Fires Act 1997 as amended, the Commissioner of the NSW Rural Fire Service, following consultation with the local stakeholders, declares the following Local Bush Fire Danger Period Variation:

**Area of Variation:** Southern Tablelands Zone  
incorporating;  
Yass Local Government Area  
Gunning Local Government Area  
Crookwell Local Government Area

The Local Bush Fire Danger period has been revoked for the period 1 October until 30 October 2003.

During this period permits pursuant to Section 87 of the Rural Fires Act 1997 as amended, will not be required for the lighting of fire for the purposes of land clearance or fire breaks.

MARK CROSWELLER, AFSM,  
Assistant Commissioner  
Executive Director Operations & Regional  
Management  
Delegate

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#### RURAL FIRES ACT 1997

PURSUANT to Section 82 of the Rural Fires Act 1997 as amended, the Commissioner of the NSW Rural Fire Service, following consultation with the local stakeholders, declares the following Local Bush Fire Danger Period Variation:

**Area of Variation:** Riverina Highlands Zone  
incorporating;  
Tumut Local Government Area  
Gundagai Local Government Area  
Tumbarumba Local Government  
Area

The Local Bush Fire Danger period has been revoked for the period 1 October until 26 October 2003.

During this period permits pursuant to Section 87 of the Rural Fires Act 1997 as amended, will not be required for the lighting of fire for the purposes of land clearance or fire breaks.

MARK CROSWELLER, AFSM,  
Assistant Commissioner  
Executive Director Operations & Regional  
Management  
Delegate

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#### RURAL FIRES ACT 1997

PURSUANT to Section 82 of the Rural Fires Act 1997 as amended, the Commissioner of the NSW Rural Fire Service, following consultation with the local stakeholders, declares the following Local Bush Fire Danger Period Variation:

**Area of Variation:** Holbrook Local Government Area

The Local Bush Fire Danger period has been revoked for the period 1 October until 30 October each year.

During this period permits pursuant to Section 87 of the Rural Fires Act 1997 as amended, will not be required for the lighting of fire for the purposes of land clearance or fire breaks.

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#### SAFER COMMUNITY COMPACT

Order

I, the Honourable Bob Debus Attorney General of the State of New South Wales, in pursuance of section 39 (1) of the *Children (Protection and Parental Responsibility) Act 1997*, do, by this my Order, approve the Walgett Community Safety Plan as a Safer Community Compact for the purposes of Division 3 of Part 4 of that Act.

This Order takes effect on 2 October 2003 and remains in force until 1 October 2006.

Signed at Sydney, this 24th day of September 2003.

BOB DEBUS,  
Attorney General

CRIMES (ADMINISTRATION OF SENTENCES) ACT 1999

MARIE BASHIR, GOVERNOR

I, Professor Marie Bashir, AC, Governor of the State of New South Wales, with the advice of the Executive Council, and pursuant to section 225(1) and 225(3) of the Crimes (Administration of Sentences) Act 1999, do, by this Proclamation, declare the area comprised within the boundaries hereunder (together with all buildings or premises which are now or may hereafter be erected thereon) to be a correctional centre within the meaning of the Crimes (Administration of Sentences) Act 1999 and I further declare that the correctional centre shall be known as Dillwynia Correctional Centre, viz.:

All that piece or parcel of land situate in the local government area of Penrith City, Parish of Londonderry and County of Cumberland, being part of lot 1 DP 740367, shown by the shading on Plan Catalogue Number 54499 in the NSW Department of Commerce Plan Room and having an area of 8.253 hectares or thereabouts.

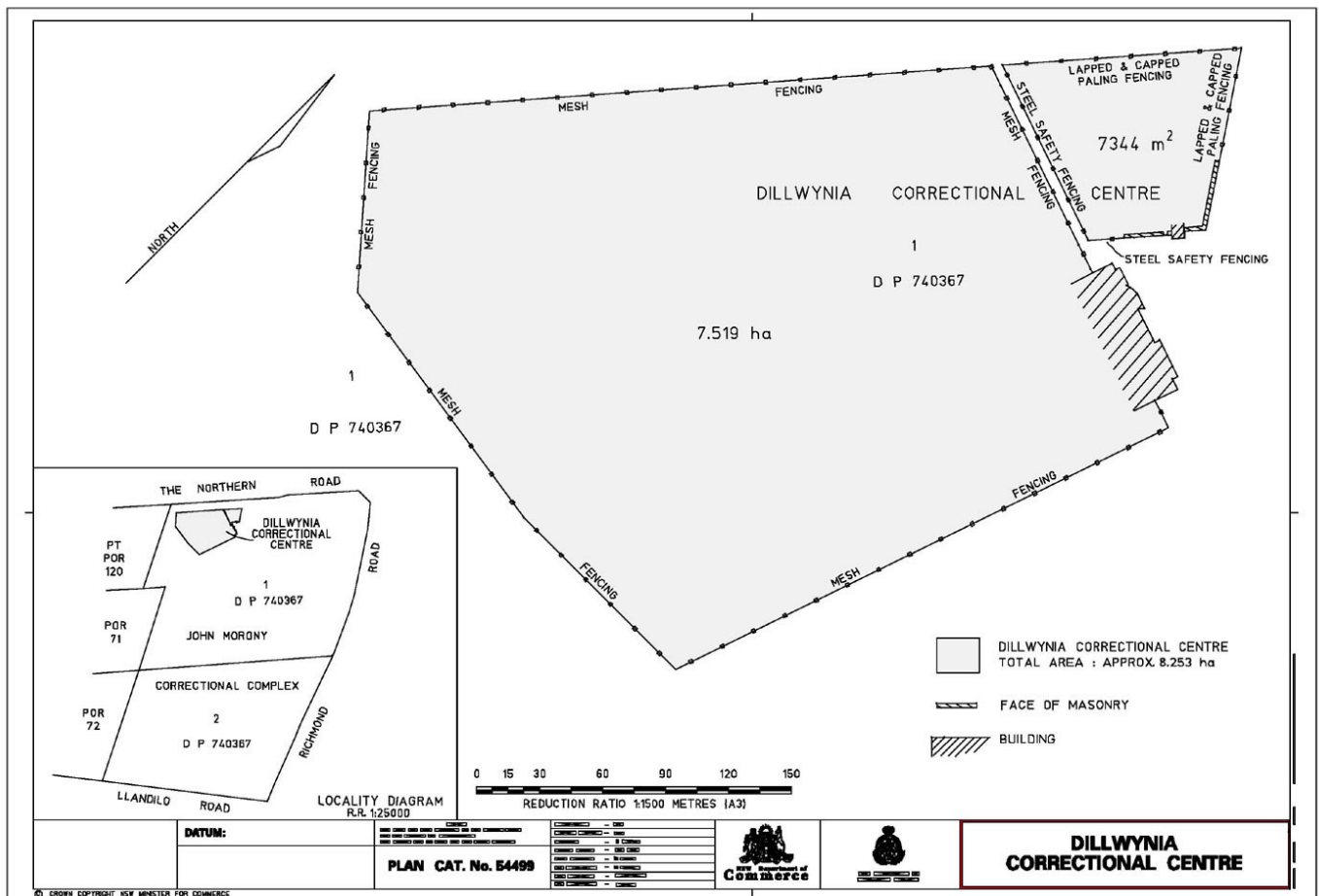
This proclamation is to take effect on and from the date of publication in the Government Gazette.

Signed and sealed at Sydney, this 17th day of September 2003.

By Her Excellency's Command.

JOHN HATZISTERGOS, M.L.C.,  
Minister for Justice

GOD SAVE THE QUEEN!



TRAVEL AGENTS ACT 1986  
LIST OF LICENSED TRAVEL AGENTS

SECTION 40 (2) of the Travel Agents Act 1986 requires the Commissioner for Fair Trading to publish in the Government Gazette from time to time a list of licence holders.

Section 40 (7) of the Act deems the supplier of travel services to an unlisted travel agent to have aided and abetted that person in carrying on business as a travel agent. Thus the supplier could be subject to the same penalty of 500 penalty units as the agent is trading without a licence.

Suppliers of travel services should not deal with an unlisted person or corporation unable to produce a travel agent's licence.

**Commissioner for Fair Trading**

LIST OF LICENSED TRAVEL AGENTS

Date of Preparation: **01-Oct-2003**  
Date list comes into force: **15-Oct-2003**  
Date list ceases to be in force: **29-Oct-2003**

2TA5436	(A U) OCEANIA TOURS PTY LTD		
2TA5507	1CAR1 CAR RENTALS PTY LTD		2UK
2TA003473	2MAX INVESTMENTS PTY LTD		THE CLASSIC SAFARI COMPANY
2TA4305	A & H INTERNATIONAL TRAVEL PTY LTD		
2TA4681	A A T INTERNATIONAL CO PTY LTD		A A T TRAVEL
2TA5111	A B C WORLD PTY LTD		ABC WORLD TRAVEL
2TA5421	A B C WORLD TRAVEL MARRICKVILLE PTY LTD		ABC WORLD TRAVEL MARRICKVILLE
2TA000416	A E (TONY) FORNASIER WORLD TRAVEL CENTRE PTY LTD		FORNASIER WORLD TRAVEL CENTRE
2TA5251	A F P TRAVEL PTY LTD		NEWPORT TRAVEL
2TA001793	A F S INTERCULTURAL PROGRAMS AUSTRALIA		FASTRAVEL
2TA5098	A J P W TRAVEL PTY LTD		TRAVELWORLD ORANGE
2TA004140	A K D HOLDINGS PTY LTD		DES SPACE TRAVEL
			ZODIAC TRAVEL
			RAM WORLD TRAVEL
			REDTREE TRAVELS
			MITSUI TRAVEL
2TA001537	A MITSUI TRAVEL SERVICES PTY LTD		
2TA5367	A N Z TRAVEL SERVICES PTY LTD		
2TA002870	A T S PACIFIC PTY LTD		
2TA5457	A W L PITT AUSTRALIA PTY LTD		PITT TRAVEL SYDNEY
			JAPAN PACKAGE
2TA4687	AAT KINGS TOURS PTY LTD		
2TA5268	ABBOTT	PHILIPPA MARY	VERITAS TRAVEL
2TA002881	ABROFILM PTY LTD		GRIFFITH TRAVEL & TRANSIT
2TA003101	ABROROB PTY LTD		WOLLONGONG TRAVEL CENTRE
2TA4907	ABSOLUTE TRAVEL PROFESSIONALS PTY LTD		ABSOLUTE TRAVEL
2TA003355	ABTOURK (SYD NO 358) PTY LTD		HARVEY WORLD TRAVEL (OATLEY)
2TA003747	ACE TRAVEL SERVICE PTY LTD		
2TA003570	ACRA PTY LTD		PENNANT HILLS TRAVEL
			GROUP TRAVEL MANAGEMENT
			HILLS CRUISE CENTRE
2TA4493	ADVANCE AUSTRALIA TRAVEL PTY LTD		
2TA5287	ADVANCE TRAVEL CENTRE PTY LTD		
2TA5087	ADVANCE TRAVEL PTY LTD		
2TA003405	ADVANCE-OLYMPIC INTERNATIONAL PTY LTD		ADVANCE-OLYMPIC TRAVEL
2TA000351	ADVENTURE ASSOCIATES PTY LTD		
2TA001198	ADVENTURE INTERNATIONAL PTY LTD		ADVENTURE WORLD
			CRUISE SPIRIT INTERNATIONAL
			A W SPORTS INTERNATIONAL
			TRAVEL & TOURS
			COOGEE TRAVEL
2TA004116	ADVENTURE TOURS AND TRAVEL PTY LTD		
2TA5038	AEO TRAVEL PTY LTD		
2TA5264	AERIUS TRAVEL HOLDINGS PTY LTD		AERIUS TRAVEL COMPANY

2TA001940	AEROFLOT RUSSIAN AIRLINES		
2TA003915	AGENCY TRAVEL PTY LTD		
2TA5458	AIHUA INTERNATIONAL TRAVEL PTY LTD		AIHUA INTERNATIONAL TRAVEL
2TA4393	AIR CALEDONIE INTERNATIONAL		AIR CALEDONIE HOLIDAYS
2TA004093	AIR INDIA LTD		
2TA4865	AIR N TRAVEL PTY LTD		
2TA000192	AIR NEW ZEALAND LTD		
2TA004013	AIR TRAVEL EXPRESS PTY LTD		
2TA5149	AIR UNIVERSE TRAVEL PTY LTD		
2TA003425	AIRCALM PTY LTD		SOUTHSIDE WORLD TRAVEL
2TA5044	AIRLINE INTERNATIONAL MARKETING SERVICES (AUST) PTY LTD		
2TA5352	AIRLINE MARKETING AUSTRALIA PTY LTD		
2TA4841	AIRMASTER TRAVEL & TOURS PTY LTD		AIRMASTER TRAVEL & TOURS
2TA003160	AIRSONIC AUSTRALIA TRAVELS PTY LTD		
2TA4480	AIRTYPE PTY LTD		BENCHMARK TRAVEL
2TA4830	AITKEN SPENCE TRAVEL PTY LTD		A S TRAVEL AGENCY
2TA4637	AKI TRAVEL PTY LTD		
2TA001125	AL-MALAH INTERNATIONAL TRAVEL PTY LTD		COLUMBIA INTERNATIONAL TRAVEL
2TA4997	ALAM	SHEIKH MOHAMMAD MAHABUB	ROUSHAN SPACE TRAVEL
2TA5418	ALEThERI PTY LTD		HARVEY WORLD TRAVEL RANDWICK
2TA001750	ALIMANA PTY LTD		PRIER WORLD TRAVEL
2TA5134	ALL LINK INTERNATIONAL PTY LTD		ALL LINK TRAVEL
			HARVEY WORLD TRAVEL (ASHFIELD)
			HARVEY WORLD TRAVEL (WYNYARD)
			O-SEA HOLIDAY
2TA4946	ALL REACH TRAVEL PTY LTD		
2TA003134	ALL TOURS AND TRAVEL PTY LTD		
2TA001652	ALLEN'S TRAVEL PTY LTD		ALLEN'S TRAVELAND
			ALLEN'S TRAVEL
2TA5175	ALLFLIGHT TRAVEL PTY LTD		
2TA001669	ALLIED SUMMA TRAVEL AND TOURS PTY LTD		AH ALLIED HOLIDAYS TRAVELACCESS
2TA001253	ALLWAYS TRAVEL PTY LTD		
2TA003386	ALPINE WORLD TRAVEL PTY LTD		ALPINE WORLD
			ALPINE NEW ZEALAND
			ALPINE WORLD REWARDS CLUB ALPINE
2TA5437	AMACO PTY LTD		AMACO TRAVEL AND CONFERENCES
2TA000113	AMERICAN EXPRESS INTERNATIONAL INC		AMERICAN EXPRESS TRAVEL SERVICE
			AMERICAN EXPRESS TRAVEL AGENCY
2TA001886	AMICA TRAVEL PTY LTD		TRAVELSCENE ROSEVILLE
2TA003050	ANANDA TRAVEL SERVICE (AUST) PTY LTD		WING ON TOURS
2TA003893	ANDCAR PTY LTD		WILDLIFE SAFARI CONSULTANTS
2TA5360	ANDRETIC	GEORGE PAUL	TRIP ABOUT TOURS
			AVANTI TOURS
2TA4337	ANDRIOTIS	PAUL	
2TA5078	ANGIE'S TRAVEL PTY LTD		TRAVELWORLD CARLINGFORD
2TA4510	ANTIPODEANS ABROAD PTY LTD		
2TA5143	ANTOUN	SONIA MARY	TRAVEL TIME
2TA5512	ANZECS INTERNATIONAL GROUP PTY LTD		AUSTRALIA WIN WORLD TRAVEL
2TA5100	APOLLO TRAVEL CENTRE PTY LTD		
2TA002728	APOSTOLOPOULOS	APOSTOLOS	COSMOS TRAVEL AGENCY
2TA001425	APP INTERNATIONAL AGENCY PTY LTD		APP INTERNATIONAL TRAVEL
			EZY FLIGHTS
2TA4719	APTC PTY LTD		ALL PACIFIC TRAVEL CONCEPT
2TA003875	ARADEE PTY LTD		TRAVELSCENE TIME 2 TRAVEL
2TA4706	ARCHITOUR PTY LTD		DESTINATION TERRA AUSTRALIS
2TA001898	ARCHLAN PTY LTD		OMEGA TRAVEL
			DISCOVER AUSTRALIA TOURS

2TA003491	ARDOLL PTY LTD		ATOURL TRAVEL SERVICE
2TA003724	AROUND AUSTRALIA TOUR SERVICE PTY LTD		
2TA5080	ASA INTERNATIONAL PTY LTD		
2TA5503	ASARGIOTIS	NICKOLAS	ZORBAS TRAVEL SERVICE - THE TRAVEL SPOT
2TA5246	ASIA HONG KONG TRAVEL PTY LTD		
2TA002526	ASIA PACIFIC TRAVEL MARKETING SERVICES PTY LTD		
2TA4603	ASIAN TRAVELLER PTY LTD		
2TA4955	ASKBAY PTY LTD		HARVEY WORLD TRAVEL (ROUSE HILL) ST MARTINS TRAVEL
2TA001068	ASMARK PTY LTD		
2TA4324	ASSISTANCE TRAVEL (AUSTRALASIA) PTY LTD		
2TA5320	ASTRA WORLD TRAVEL PTY LTD		
2TA003777	ASTRAL TRAVEL & TOURS PTY LTD		
2TA4547	ATITOWN PTY LTD		TRAVELSCENE AT OUR TOWN TRAVEL
2TA003870	ATLANTIC & PACIFIC BUSINESS TRAVEL PTY LTD		
2TA4736	ATLANTIS TRAVEL (FAIRFIELD) PTY LTD		
2TA5286	AUFAN INTERNATIONAL PTY LTD		NEW ASIA PACIFIC TRAVEL
2TA5266	AUGA TRAVEL SERVICE PTY LTD		
2TA5284	AUGUSTINE	TOMI	AUGUST TRAVEL CENTRE POLAR JOURNEYS
2TA4498	AURORA EXPEDITIONS PTY LTD		
2TA5486	AUS CENTIV PTY LTD		
2TA5006	AUS WONDER TRAVEL PTY LTD		AUS WONDER HOLIDAY
2TA5321	AUSSIE ESCAPE TRAVEL PTY LTD		
2TA5393	AUSSIE FLIGHT CENTRE PTY LTD		
2TA5366	AUST-CHINA BUSINESS CONSULTANTS PTY LTD		AUSTRALIAN CULTURAL & BUSINESS TOURS - ACB TOURS
2TA5028	AUSTRAL TO PTY LTD		
2TA004056	AUSTRALAIR PTY LTD		ST IVES TRAVEL
2TA003483	AUSTRALASIAN CONFERENCE ASSOCIATION LTD		S P D TRAVEL SERVICE
2TA5045	AUSTRALIA AND BEYOND TRAVEL PTY LTD		JETSET BROKEN HILL BROKEN HILL OUTBACK HOLIDAYS
2TA003445	AUSTRALIA GLOBAL HOLIDAYS PTY LTD		
2TA5084	AUSTRALIA PARADISE TRAVEL PTY LTD		AUSTAR TRAVEL
2TA4763	AUSTRALIA WIDE HOLIDAYS PTY LTD		MACQUARIE EDUCATIONAL TOURS
2TA5109	AUSTRALIAN & NEW ZEALAND COLLEGE FOR SENIORS LTD		ODYSSEY TRAVEL
2TA003039	AUSTRALIAN BUSINESS & CONFERENCE TRAVEL PTY LTD		
2TA003982	AUSTRALIAN CHINA INVESTMENT & TRADING DEVELOPMENT PTY LTD		NEW ASIA PACIFIC TRAVEL SPRING INTERNATIONAL TRAVEL
2TA5384	AUSTRALIAN COMMERCIAL RESOURCES PTY LTD		A C R INTERNATIONAL TRAVEL & TOURS
2TA4611	AUSTRALIAN INTERNATIONAL DEVELOPMENTS PTY LTD		SOMAK SAFARIS
2TA5490	AUSTRALIAN MINERAL WATER PTY LTD		DOWNTOWN TRAVEL
2TA4890	AUSTRALIAN NEW FRONTIERS PTY LTD		AGRITOURS AUSTRALIA EXPLORE AUSTRALIA NEW ENGLAND CONFERENCE BUREAU AUSTRALIAN PACIFIC DAY TOURS
2TA000778	AUSTRALIAN PACIFIC TOURING PTY LTD		
2TA4725	AUSTRALIAN TAYLORED TOURS PTY LTD		
2TA5091	AUSTRALIAN TRAVEL HEADQUARTERS PTY LTD		
2TA4513	AUSTRALIAN TRAVEL MARKETING PTY LTD		
2TA5514	AUSTRALIAN TRAVELWORKS PTY LTD		PENNANT HILLS TRAVEL THE HILLS CRUISE CENTRE WORLD EXPEDITIONS
2TA001418	AUSTRALIAN WORLD EXPEDITIONS PTY LTD		
2TA4527	AUSTRALIE TOURS PTY LTD		PACIFIC SPIRIT TRAVEL
2TA4750	AUSTRALINDE PTY LTD		NEWCASTLE TRAVEL SERVICE-



2TA001658	AUSTRAVCO INTERNATIONAL PTY LTD		NEWCASTLE NEWCASTLE TRAVEL SERVICE - WARNERS BAY NEWCASTLE TRAVEL SERVICE - WARNERS BAY HEMINGWAY TRAVEL
2TA003551	AUSVINACO TRAVEL PTY LTD		
2TA001430	AUTOHOME RENTALS INTERNATIONAL PTY LTD		A R I TOURS
2TA001656	AVALON TRAVEL PTY LTD		
2TA4521	AVIATION TRAVEL SERVICES PTY LTD		
2TA4424	AVTOURS OSHKOSH EXPRESS PTY LTD		AVTOURS AUSTRALIA
2TA004091	AW ROYAL ORCHID HOLIDAYS AUSTRALIA PTY LTD		
2TA002797	AWAD TOURIST & TRAVEL SERVICE PTY LTD		
2TA5460	AWAY WE GO TOURS PTY LTD		ALPINE INFORMATION CENTRE
2TA002580	AXIS EVENTS GROUP PTY LTD		AXIS CORPORATE TRAVEL SERVICE AXIS INCENTIVE PLANNERS AXIS CONFERENCE PLANNERS TRAVEL IN STYLE AZZI TRAVEL SERVICE PACIFIC AUSTRALIA TRAVEL JETSET TRAVEL MLC CENTRE
2TA003185	AYMTROT PTY LTD		
2TA5402	AZZI	WALID	
2TA5433	B E O - TRAVEL PTY LTD		
2TA003810	B G TRAVEL SERVICES PTY LTD		
2TA4595	B T I AUSTRALIA PTY LTD		
2TA5461	BACK	ALEKSANDRA MARY	UNIQUE ESCAPES
2TA4806	BACKPACKERS WORLD (BYRON BAY) PTY LTD		BACKPACKERS WORLD
2TA5336	BACKPACKERS WORLD (WHOLESALE) PTY LTD		
2TA4445	BAILEY TRAVEL SERVICES PTY LTD		MERCURY WORLD TRAVEL (MAROUBRA) MERCURY TRAVEL BOOKS THE CONFERENCE ROOM
2TA4661	BAINI MANAGEMENT SERVICES PTY LTD		
2TA4881	BAKER	IAN GEORGE	FLYING START TRAVEL SERVICES
2TA003844	BAKLA	ALICE	ALICE'S WONDERLAND TRAVEL - NORTH SYDNEY
2TA003845	BAKLA	PAUL BOGHOS	ALICE'S WONDERLAND TRAVEL - NORTH SYDNEY
2TA4254	BALGOWNIE WORLD TRAVEL PTY LTD		
2TA000055	BALI TRAVEL SERVICE PTY LTD		
2TA003537	BALLAO HOLDINGS PTY LTD		DIVE ADVENTURES (AUSTRALIA) ISLAND ADVENTURES TRAVEL DIVE ADVENTURES JETSET BALLINA JETSET BALLINA GLOBAL VACATIONS TRAVELWORLD GLOBAL VACATIONS PICCADILLY TRAVEL SERVICE MUSWELLBROOK TRAVEL CENTRE TRAVELSCENE MENAI METRO NORFOLK SELECT MARKETING NORFOLK SELECT MARKETING IDE TRAVEL TRAVELAND NEWCASTLE WEST TRAVELAND ON KING TRAVELWORLD ON KING MAITLAND WORLD TRAVEL
2TA5017	BALLINGALL	KATHRYN ROSE	
2TA5018	BALLINGALL	DAVID ANDREW	
2TA003721	BALUS TRAVEL PTY LTD		
2TA4693	BAMA BAA PTY LTD		
2TA003919	BANBEP PTY LTD		
2TA003240	BANGOR TRAVEL PTY LTD		
2TA5508	BANTOFT	DAVID ALBERT	
2TA5509	BANTOFT	KYLIE	
2TA4766	BARCHIA	IDE DARMIS	
2TA004160	BARHIL PTY LTD		
2TA4932	BARNARD	MATTHEUS DANIEL	
2TA4933	BARNARD	KAREN MILDRED	MAITLAND WORLD TRAVEL
2TA003187	BARRENJOEY TRAVEL SERVICES PTY LTD		
2TA002766	BARROBRIDGE PTY LTD		NON STOP TRAVEL
2TA5381	BASCUNAN	JANE ELIZABETH	BERRY TRAVEL
2TA5132	BASSIT	ASIE	AUSTRAVEL & TOURS
2TA004154	BATHURST CITY COUNCIL		BATHURST VISITOR INFORMATION CENTRE

2TA4336	BAXTER'S TRAVEL PTY LTD		
2TA002736	BAY TRAVEL PTY LTD		BAY TRAVEL AUSTRALIA E-BAY TRAVEL BAY TRAVEL AUSTRALIA TRAVELWORLD CHIFLEY PLAZA TRAVELWORLD PARRAMATTA COMMODORE TOURS COMMODORE COACHES COMMODORE TOURS COMMODORE COACHES
2TA004098	BECKINSALE PTY LTD		
2TA003212	BEDFORD	MICHAEL TERRANCE	
2TA003234	BEDFORD	DOROTHY JANE	
2TA4409	BEEHIVE AUSTRALIAN INBOUND TOUR SERVICE PTY LTD		
2TA000811	BENCH INTERNATIONAL PTY LTD		BEAUVENTURES TRAVEL TRAVELSCENE CRONULLA AD TOURS TRAVEL
2TA003510	BENDEN HOLDINGS PTY LTD		
2TA5041	BENNETT	DENISE ROSEMARY ALLAN LESLIE	
2TA5042	BENNETT		AD TOURS TRAVEL SCANDINAVIAN BUSINESS & HOLIDAY TRAVEL
2TA001141	BENTOURS INTERNATIONAL PTY LTD		
2TA5242	BERIL-JONE	WENDIE	BDCU TRAVEL SERVICE HARVEY WORLD TRAVEL-ORANGE PTC EXPRESS TRAVEL ARIELA TRAVEL TRAVEL 2000 SKIMAX
2TA5117	BERNIE PTY LTD		
2TA4399	BERNLEY ENTERPRISE PTY LTD		
2TA003811	BESIM PTY LTD		
2TA5029	BEST FLY TRAVEL PTY LTD		
2TA4787	BEST HOLIDAYS PTY LTD		
2TA001757	BESTWAY TRAVEL PTY LTD		
2TA4403	BETANZA PTY LTD		HARVEY WORLD TRAVEL FRANCHISE MANAGEMENT HARVEY WORLD TRAVEL - LIVERPOOL PAYLESS WORLD TRAVEL
2TA002814	BHULLER	MANZOOR (MICHAEL)	FLYAWAY TRAVEL THE TRAVELLERS HUT
2TA003601	BICAIR PTY LTD		
2TA003547	BILL PEACH JOURNEYS PTY LTD		
2TA4659	BLAZENKA'S TRAVEL PTY LTD		ADRIATIC ADVENTURES TRAVEL AND TOURS THIRROUL TRAVEL WHITESANDS TRAVEL PAN REGAL HOLIDAYS FITZROY TRAVEL FITZROY TRAVEL
2TA5161	BLOM	TRACEY ANNE	
2TA5013	BLUROSE PTY LTD		
2TA5030	BOLIJA PTY LTD		
2TA5353	BOLTON	EDUARDO RAMON BERTA MONICA	
2TA5354	BOLTON		
2TA4845	BONAIR PTY LTD		
2TA003820	BONARD PTY LTD		TRAVEL ON Q BELLINGEN WORLD TRAVEL
2TA4771	BONETT	ELIZABETH ANN	
2TA4631	BOSSLEY TRAVEL PTY LTD		
2TA5278	BOUFFLER	TIMOTHY JOHN FIONA ELIZABETH	TRAVELSCENE ORANGE TRAVELSCENE ORANGE INSIGHT AUSTRALIA TRAVEL FALCON WINGS TRAVEL FALCON WINGS TRAVEL SUMMERLAND COACHES SUMMERLAND COACHES AUSTRALIA BY AIR
2TA5277	BOUFFLER		
2TA5374	BOURNE	BIRGIT MAGDI SANAA BRIAN DONALD JULIE ANN BENJAMIN PATRICK	
2TA003803	BOUTROS		
2TA003804	BOUTROS		
2TA003826	BOWDEN		
2TA003827	BOWDEN		
2TA5442	BOWLEY		
2TA5439	BOWRAL COACHES PTY LTD		TRAVELSCENE BOWRAL HARVEY WORLD TRAVEL (MUDGEE) HARVEY WORLD TRAVEL (MUDGEE) HARVEY WORLD TRAVEL (MUDGEE)
2TA003719	BOWRAL TRAVEL PTY LTD		
2TA4935	BOX	JAMIE	
2TA4936	BOX	GLENN CHRISTOPHER GAYLE *ELIZABETH GAYLE ELIZABETH	
2TA003868	BOX		
2TA4456	BOX*		
2TA5160	BRAGA CONSOLIDATED PTY LTD	SALLY MEEGAN	BRAGA TRAVEL THIRROUL TRAVEL BREAKAWAY TRAVEL CLUB SOUTHERN CROSSINGS AUSTRALIA
2TA004207	BRAKENRIDGE		
2TA5467	BREAKAWAY TRAVEL CLUB PTY LTD		
2TA5467	BRIGHTON SHELLEY LTD		
2TA001803	BRITISH AIRWAYS PLC		
2TA5077	BRNOVIC	MARKO IRENE ENSOMO DOUGLAS CHARLES	K J LYNCH TRAVEL SERVICE K J LYNCH TRAVEL SERVICE
2TA4752	BROAD		
2TA4753	BROAD		
2TA002550	BROAD HORIZONS PTY LTD		BROAD HORIZONS TRAVEL

2TA4992	BROADER HORIZONS PTY LTD		GRAFTON TRAVEL AGENCY
2TA5373	BROEKING	KYLIE ELIZABETH	INSIGHT AUSTRALIA TRAVEL
2TA5466	BROMFIELD HOLDING PTY LTD		SOUTHERN CROSSINGS AUSTRALIA
2TA5223	BROOKS	CAROLYN GAYE	
2TA4991	BROWN	TRUDI ANN	TRUDI'S TRAVEL CENTRE
2TA5128	BUDGET OZ TRAVEL PTY LTD		TRAVEL SHOP NARRANDERA
2TA004119	BUDIDEA PTY LTD		TRAVEL SHOP COLEAMBALLY
			GLOBE INTERNATIONAL TRAVEL SERVICE
2TA003307	BUDLILY PTY LTD		
2TA5500	BUNDABAH TRAVEL PTY LTD		
2TA5095	BURGESS	PAUL IVAN	HARVEY WORLD TRAVEL (BURWOOD)
2TA001608	BURWOOD TRAVEL PTY LTD		BUSHELL TRAVEL
2TA002917	BUSHELL	PETER ALLAN	CXC TRAVEL
2TA5220	C & E TOURS AUSTRALIA PTY LTD		
2TA5441	C X C TRAVEL PTY LTD		
2TA002635	CADIA COACH TOURS PTY LTD		HARVEY WORLD TRAVEL (KIAMA VIEW)
2TA001805	CAFTAX PTY LTD		
2TA002588	CAHILL	BRENDA	
2TA4575	CALAIS TOURS PTY LTD		
2TA002823	CALAMBELL PTY LTD		SYDNEY UNIVERSAL TRAVEL TOURS
2TA4654	CALTOE PTY LTD		
2TA000008	CAMMARERI	VINCENZO	V CAMMARERI TRAVEL AGENCY
2TA001073	CAMPBELLTOWN TRAVEL PTY LTD		
2TA000118	CAPUTO	ANTONIO	BROOKVALE TRAVEL
			CAPUTO TRAVEL
2TA002218	CAPUTO	MARCO	CAPUTO TRAVEL
			BROOKVALE TRAVEL
2TA002219	CAPUTO	GIOVANNI DOMENICO	BROOKVALE TRAVEL
			CAPUTO TRAVEL
2TA5252	CAREAWAY TOURS AUSTRALIA PTY LTD		
2TA4981	CARGO AUSTRALIA PTY LTD		BEECROFT TRAVEL
2TA5097	CARROLL	ROBERT CHRISTOPHER	THE BIG PICTURE TRAVEL COMPANY
2TA001369	CARROLL INTERNATIONAL TRAVEL PTY LTD		TRAVELSCENE BURWOOD
2TA4908	CARSON	ANDREW LYNN	HARVEY WORLD TRAVEL (NORTH RICHMOND)
2TA002954	CARTWRIGHT	BERNARD THOMAS	BERNIE CARTWRIGHT TOURS
		DIANNE JOYCE	BERNIE CARTWRIGHT TOURS
2TA002955	CARTWRIGHT		CASINO TRAVEL SHOPPE
2TA5182	CASINO TRAVEL SHOPPE PTY LTD		CASINO TRAVEL SHOPPE
2TA004028	CASSANITI	GERARDO CONCETTO	FORZA TRAVEL
2TA4407	CASTERIN PTY LTD		HARVEY WORLD TRAVEL LANE COVE
2TA4232	CASTLE	JUDITH ANN	RIVERLAND TRAVEL
2TA000661	CATHAY PACIFIC AIRWAYS LTD		CATHAY PACIFIC'S HONG KONG SUPER CITY
2TA003943	CATHKIN BRAES TRAVEL PTY LTD		
2TA5192	CAVADIL PTY LTD		CULBURRA COACHES
2TA004069	CAVTRAV PTY LTD		HARVEY WORLD TRAVEL (KEMPSEY)
2TA4790	CE TRAVEL & TOURS PTY LTD		
2TA5086	CELIS PTY LTD		SOUTH SEA TRAVEL
			SOUTH SEA HOLIDAYS
2TA003945	CELTIC TRAVEL SERVICES PTY LTD		
2TA5139	CEREZO	MARIA DEL MAR KIN (MILLIAN)	TRAVELLING FIT
2TA4923	CHAN		BM LUCKY DRAGON TRAVEL SERVICE
			PACKAGE TRAVEL
2TA002970	CHAN & LAM PTY LTD		
2TA4959	CHATSWOOD TRAVEL PTY LTD		
2TA4669	CHAUDHARY	RITU	ROYAL INTERNATIONAL TRAVEL
2TA4670	CHAUDHARY	ABID ALI	ROYAL INTERNATIONAL TRAVEL
2TA4612	CHENG	RINGO WAN WAH	HARVEST TRAVEL SERVICES
2TA004142	CHIEM	KIM	LUCKY INTERNATIONAL TRAVEL SERVICE
			CHINA BESTOURS
2TA5431	CHINA BESTOURS (AUST) PTY LTD		CHINA SOUTHERN AIRLINES
2TA5176	CHINA SOUTHERN AIRLINES CO LTD		

2TA001849	CHINA TRAVEL SERVICE (AUSTRALIA) PTY LTD		CTS INTERNATIONAL TRADING COMPANY CHINA VACATIONS K.O.D./ PALM TOURS CHUNG PAK TRAVEL TRAVELSCENE PLUMPTON
2TA4391	CHOI	SEOUNG HYUN	
2TA000368	CHUNG PAK TRAVEL PTY LTD		
2TA5420	CIRCOSTA	ANGELA GIOCONDA	
2TA000637	CIRCUIT TRAVEL PTY LTD		
2TA000457	CIT AUSTRALIA PTY LTD		CIT WORLD TRAVEL GROUP
2TA4600	CITY CORPORATE TRAVEL PTY LTD		
2TA4820	CLAITYRE PTY LTD		VAUCLUSE TRAVEL
2TA001245	CLAPOUDIS	EVA	FIVE DOCK TRAVEL AGENCY
2TA5299	CLARK	DIANA ST JOHN	THE ROCKS TRAVEL
2TA4996	CLASSIC ORIENTAL TOURS PTY LTD		
2TA000612	CLUB MEDITERRANEE (AUSTRALIA) PTY LTD		
2TA004162	COASTAL TRAVEL PTY LTD		HARVEY WORLD TRAVEL (BATEMANS BAY)
2TA001764	COASTLINE TRAVEL PTY LTD		
2TA5254	COBAE PTY LTD		HARVEY WORLD TRAVEL (BATEAU BAY)
2TA003123	COBAR TRAVEL PTY LTD		
2TA5247	COFFS AVIATION & TRAVEL SERVICES PTY LTD		
2TA003452	COHEN	FAY CHRISTINE	TRAVEL PHASE
2TA4572	COLYER	BRIAN JAMES	IRIS TOURS
2TA4573	COLYER	VALENTINA WENDY	IRIS TOURS
2TA4811	COMEALONG TOURS PTY LTD		
2TA001733	COMPANION TRAVEL PTY LTD		
2TA001804	COMPLETE TRAVEL SERVICES PTY LTD		TRAVELSCENE ON CLARENCE
2TA4435	COMPSON	LESLIE JAMES	THRIFTY TRAVEL
2TA002558	CONCORDE INTERNATIONAL TRAVEL PTY LTD		CONCORDE HOLIDAYS AIR TICKETS SYDNEY NATIONAL AIR TICKETS TRAVEL INDOCHINA VIETNAM HOLIDAYS ALIA R J CONCORDE SMART TRAVEL RAIL TICKETS SKYWAYS AVIATION SERVICES SMART MONEY SMART TRAVEL SOLUTIONS NEWMANS HOLIDAYS
2TA5152	CONRAN ENTERPRISES PTY LTD		
2TA5357	CONSOLIDATED TRAVEL PTY LTD		
2TA001868	CONTIKI HOLIDAYS (AUSTRALIA) PTY LTD		TIME OUT HOLIDAYS
2TA001472	CONTIKI TRAVEL (AUSTRALIA) PTY LTD		
2TA003506	COOK	JILL ELIZABETH	TORII TOURS AOM HOLIDAYS ANCHOR TRAVEL HARVEY WORLD TRAVEL (COOMA)
2TA002822	COOMA WORLD TRAVEL PTY LTD		
2TA5306	COOPER	FIONA MARY	
2TA4241	CORAL SEAS TRAVEL PTY LTD		
2TA000862	CORBY	ROSS ALLAN	SOUTH PACIFIC ADVENTURES CORBY'S BUS LINES CORBY'S COACHES CORBY'S BUS LINES CORBY'S COACHES
2TA002233	CORBY	GWENNETH LUCY	
2TA003248	CORPORATE CONFERENCE INTERNATIONAL PTY LTD		
2TA5316	CORRIMAL TRAVEL PTY LTD		TRAVELSCENE AT CORRIMAL TRAVEL CRUISE NOW
2TA4699	CORTRAVEL PTY LTD		
2TA000786	COSTA	THOMAS	
2TA5444	CRAIG	VIVIENNE CHERYL	VIV'S TRAVEL BUG TRAVELSCENE WAGGA WAGGA
2TA001140	CRAMPTON INVESTMENTS PTY LTD		
2TA5376	CREATION ENTERPRISES & DEVELOPMENTS PTY LTD		
2TA003878	CREATIVE CRUISING GROUP PTY LTD		CREATIVE CRUISING FOCUS HOLIDAYS CREATIVE HOLIDAYS CREATIVE VACATIONS AUSTRALIA
2TA002632	CREATIVE TOURS PTY LTD		

2TA4901	CRONULLA TRAVEL PTY LTD		CREATIVE CREDITS CRONULLA TRAVEL TRAVELWORLD CAMPBELLTOWN THE AUSTRALIAN FARMERS TRAVEL SERVICE RESPONSIBLE TRAVEL
2TA003038	CROSBY RURAL AND TRAVEL PTY LTD		LISMORE TRANSIT CENTRE HARVEY WORLD TRAVEL (NORTH RICHMOND) CHATOURS
2TA5052	CROSS	GREGORY JOHN	
2TA003202	CROWE	FRANCIS OTHO	
2TA001248	CRUISE & COACH CORPORATION PTY LTD		
2TA5125	CRYSTAL TOURS PTY LTD		SOUTHVINA TRAVEL & TOURS TRAVELWORLD BEGA TRAVELSCENE ULLADULLA TRAVELSCENE BATEMANS BAY TRAVELSCENE ULLADULLA
2TA4975	CRYWANE PTY LTD	PETER ERIC	
2TA003916	CULHAM		
2TA4762	CULHAM	PATRICIA KATHLEEN	TRAVELSCENE BATEMANS BAY
2TA4781	CUNARD LINE LIMITED		
2TA4348	CW TRAVEL AUSTRALIA PTY LTD		CARLSON WAGONLIT TRAVEL CYC SERVICES
2TA003801	CYC TRAVEL SERVICES PTY LTD		
2TA001381	CZESLOTUR AIR SERVICES PTY LTD		
2TA4246	D & A ORCHARD INVESTMENTS PTY LTD		IT'S EASY TOURS
2TA5159	D M BELIN DEVELOPMENTS PTY LTD		VALUE INTERNATIONAL TRAVEL
2TA002903	D Q INTERNATIONAL TRAVEL SERVICE PTY LTD		
2TA4487	D'ALESSANDRO	JULIANNE	J D'S GLOBAL TRAVEL SPECIALIST TOURS (AUSTRALIA) DAEHO TRAVEL AGENCY CLASSIC COACHES PRESTIGE WORLD TRAVEL INISHFREE TRAVEL F.O.D. TRAVEL/ FRIENDS OF DOROTHY TRAVEL LOIS GUBBAY TRAVEL TRAVELWORLD NEWCASTLE TRAVELWORLD BELMONT TRAVELWORLD CHARLESTOWN SQUARE TRAVELWORLD GARDEN CITY KOTARA TRAVELWORLD TORONTO TRAVELSCENE AT GUIDEPOST TRAVELSCENE AT GUIDEPOST HARVEY WORLD TRAVEL (WYOMING) PROFI TOURS GERMAN TRADE FAIRS TRAVEL PROFI TRAVEL HARVEY WORLD TRAVEL(BLACKTOWN)
2TA003713	DAEHO PTY LTD		
2TA5350	DAINBAR PTY LTD		
2TA4782	DALEN FINANCE PTY LTD	TRISHA	
2TA4227	DALY		
2TA4536	DANADINA PTY LTD		
2TA4986	DANBAR (NSW) PTY LTD		
2TA001595	DANIEL	ROBERT ARTHUR	
2TA002263	DANIEL	PAMELA JOYE	
2TA5342	DANLIE PTY LTD		
2TA002545	DANPIT PTY LTD		
2TA5253	DAWNEW PTY LTD		
2TA003162	DAYSTAR TRAVEL & TOURS PTY LTD	JAMES	NEW ZEALAND LEISURE TOURS
2TA4647	DE STIGTER		
2TA001909	DELIGHT TRAVEL AGENCY PTY LTD	MAXWELL PHILIP	JETSET MONA VALE KERRY PHILLIP'S GREAT EVENTS HARVEY WORLD TRAVEL (FORBES)
2TA4571	DELMEGE		
2TA001864	DELTROW PTY LTD		
2TA002765	DESEDU PTY LTD		
2TA5073	DESTINATION PACIFIC AUSTRALIA PTY LIMITED		
2TA000206	DEUTSCHE LUFTHANSA AKTIENGESELLSCHAFT		
2TA003084	DEVULA PTY LTD		HARVEY WORLD TRAVEL (GRIFFITH) ITCHY FOOTED TRAVEL ADVENTURE TRAVEL BUGS COMPLETE HOLIDAY SOLUTIONS BACKPACKERS TRAVEL CENTRE THE NORTH SHORE CRUISING CENTRE
2TA003069	DEWHURST	KENNETH BRUCE	
2TA5468	DHARMA WORLD PTY LTD		
2TA4954	DI MATTEO	MARYANNE	
2TA003486	DIAL-A-COACH GROUP PTY LTD		
2TA000284	DIAMOND TOURS PTY LTD		
2TA4433	DIGITAL TRAVEL (SYDNEY) PTY LTD		
2TA003432	DIRECT FLIGHTS INTERNATIONAL PTY LTD		

2TA4436	DIRECT LINK TRAVEL PTY LTD		
2TA5359	DIRECT-HOLIDAYS AUSTRALIA PTY LTD		
2TA5293	DISCOUNT FLIGHT WAREHOUSE PTY LTD		
2TA5183	DISCOVER THE WORLD MARKETING TRAVEL PTY LTD		
2TA001284	DISCOVERY TRAVEL CENTRE PTY LTD		CRUISECO CAMMERAY CRUISE CENTRE
2TA4388	DIXON TRAVEL & TOUR PTY LTD		
2TA5329	DOCKWISE AUSTRALIA PTY LTD		NEW WAVE TRAVEL
2TA5171	DOLPHIN TOUR (AU) PTY LTD		
2TA001467	DOMESTIC & INTERNATIONAL TOUR BROKERS PTY LTD		FORGE TRAVEL
2TA002626	DONCROW PTY LTD		JETSET TRAVEL BYRON BAY BYRON BUS & COACH TRANSIT AND TRAVEL CENTRE BYRON BUS & BACK PACKER CENTRE FENGHUANG TRAVEL
2TA5492	DONGYU INTERNATIONAL PTY LTD		
2TA002764	DONNA BARLOW TRAVEL PTY LTD		
2TA002678	DONNETT PTY LTD		HARVEY WORLD TRAVE (INGLEBURN) HARVEY WORLD TRAVEL (GREENHILLS) JETAWAY TRAVEL
2TA004184	DOUBTFIRE PTY LTD		
2TA003588	DOUGLAS	PETER FREDERICK MOIRA	JETAWAY TRAVEL
2TA003589	DOUGLAS		
2TA4475	DOWNUNDER DESTINATION HOLDINGS PTY LTD		
2TA4831	DOWNUNDER DESTINATION SERVICES PTY LTD		
2TA5338	DREAM TRAVEL CENTRE PTY LTD		TRAVELSCENE AT DREAM TRAVEL CENTRE CLUB CRUISING INTERNATIONAL RUSSELL - LLOYD TRAVEL ENGADINE TRAVEL JETSET ENGADINE TRAVELABOUT TRAVELABOUT AT RYDE- EASTWOOD TRAVELABOUT AT RYDE- EASTWOOD TRAVELAND GYMEA
2TA001724	DRINDOE PTY LTD		
2TA5224	DRINDOS PTY LTD		
2TA002841	DRIVE AWAY HOLIDAYS PTY LTD		
2TA5346	DUAR	FAHMI HILARY GORDON	Wafa TRAVEL AGENCY DURHAMS COACHES NOVA TRAVEL CHILE TOUR C T T WORLD TRAVEL
2TA002900	DURHAM		
2TA002596	DYLALINE PTY LTD		
2TA002947	E & L INTERNATIONAL PTY LTD		
2TA4814	E A & D K PTY LTD		
2TA4826	EASTWOOD TRAVEL CENTRE PTY LTD		HARVEY WORLD TRAVEL (EASTWOOD) ANDY'S WORLD TRAVEL
2TA5144	EASY GROUP AUSTRALIA PTY LTD		
2TA002746	EASY TRAVEL PTY LTD		
2TA5076	ECRUIRING PTY LTD		CRUISE AGENTS ECRUIRING4KIDZ.COM.AU SCENIC HORIZON TOURS SCENIC HORIZON TOURS
2TA5190	EDDY	DARREL JOHN KERRIE LYNETTE	
2TA5191	EDDY		
2TA5415	EDWARDS TOURS PTY LTD		
2TA001131	EL SADIK	MOHAMAD	M ELSADIK ORIENT TRAVEL CENTRE
2TA5288	ELEGANT TRAVEL PTY LTD		
2TA4564	ELITE WORLD TRAVEL PTY LTD		
2TA5337	ELJAY TRAVEL PTY LTD		TRAVELEADERS TUMUT HARVEY WORLD TRAVEL CIRCULAR QUAY HARVEY WOLD TRAVEL (WARRAWONG)
2TA4834	ELJOHN NEW SOUTH WALES PTY LTD		
2TA4497	ENCORE TOURS PTY LTD		
2TA4444	ENGAUSCAN PTY LTD		TOUR MARVEL
2TA4496	ENSIGN MARINE SERVICES PTY LTD		TRAVELSCENE TWEED VALLEY NEW ENGLAND TRAVEL CENTRE
2TA001228	EPCOB PTY LTD		
2TA5487	EQUITY CONSULTING SERVICES PTY LTD		EQUITY TRAVEL

2TA4889	ESCAPE TRAVEL PTY LTD		
2TA002609	EST SKI TOURS PTY LTD		ESTOURS TRAVEL
2TA4848	EURO INTERNATIONAL TRAVEL PTY LTD		
2TA5491	EUROPE TRAVEL CENTRE PTY LTD		
2TA002714	EVANS	JOHN WAYNE	SNOWLINER TRAVEL
2TA002715	EVANS	PETER JOHN	SNOWLINER TRAVEL
2TA002716	EVANS	MYRTLE MAY	SNOWLINER TRAVEL
2TA002717	EVANS	PETER ROBERT	SNOWLINER TRAVEL
2TA4746	EVER SUN TRAVEL PTY LTD		EVER SUN TOURS & TRAVEL EVERSUN HOLIDAYS
2TA001719	EVERYTHING TRAVEL PTY LTD		
2TA5233	EXPANDING HORIZONS (AUST) PTY LTD		POTTER TRAVEL
2TA5260	EXPERIENCE SPORT! PTY LTD		MID CITY TRAVEL
2TA001237	EXPRESS TRAVEL PTY LTD		
2TA5409	EXPRESSLINK HOLDINGS PTY LTD		EXPRESS TRAVELINK
2TA5298	EXTREME TRAVEL PTY LTD		
2TA5205	FAR EAST SERVICES PTY LTD		VIEN DONG TOURIST SERVICE
2TA000117	FAR EAST TRAVEL CENTRE PTY LTD		AUSTRALIAN CAMPING COACH TOURS PREFERRED TOURS FETCO TOURS ALLIED-WAH MIN TRAVEL ALLIED WAH MIN TRAVEL - BANKSTOWN
2TA002522	FASORI PTY LTD		
2TA003131	FASTBOOK HOLIDAYS PTY LTD		
2TA002702	FEARNES TOURS PTY LTD		
2TA4425	FELICE TRAVEL PTY LTD		PENDLE HILL TRAVEL PISANI TRAVEL MALTA TRAVEL
2TA4777	FELIX TRAVEL PTY LTD		
2TA001616	FELSTOP PTY LTD		
2TA4879	FICHERA	MARIA DOMENICA (DONNA)	HARVEY WORLD TRAVEL (COWRA) HARVEY WORLD TRAVEL - WETHERILL PARK
2TA4880	FICHERA	JOHN ANDREW	HARVEY WORLD TRAVEL - WETHERILL PARK GRANGE TRAVEL
2TA4506	FINEFLEX PTY LTD		
2TA4303	FINESSE SOUTH PACIFIC TRAVEL PTY LTD		
2TA4449	FIRST BARACUDA PTY LTD		INCENTIVE BONDS TRAVEL
2TA4945	FIRST CHOICE TRAVEL PTY LTD		FIRST CHOICE TRAVEL FIRST CHOICE TRAVEL HOLIDAY COAST FIRST CHOICE TRAVEL SAMOAN TRAVEL AGENCY
2TA004074	FIU	TELESIA	
2TA004188	FLAIRVIEW PTY LTD		
2TA002719	FLIGHT CENTRE LTD		NSW CAMPUS TRAVEL FLIGHT CENTRE FLIGHT CENTRE FLIGHT CENTRE FLIGHT CENTRE VFR FLIGHTS FLIGHT CENTRE FLIGHT CENTRE GREAT HOLIDAY ESCAPE FLIGHT CENTRE FLIGHT CENTRE CORPORATE TRAVELLER FLIGHT CENTRE GREAT HOLIDAY ESCAPE LOW & JAMES TRAVEL ASSOCIATES FLIGHT CENTRE STUDENT FLIGHTS FLIGHT CENTRE FLIGHTCENTRE.COM GREAT HOLIDAY ESCAPE FLIGHT CENTRE CORPORATE TRAVELLER FLIGHT CENTRE STUDENT FLIGHTS FLIGHT CENTRE FLIGHT CENTRE GREAT HOLIDAY ESCAPE

			FLIGHT CENTRE FLIGHT CENTRE FLIGHT CENTRE GREAT HOLIDAY ESCAPE FLIGHT CENTRE NSW CAMPUS TRAVEL PAULA PETERSON TRAVEL ASSOCIATES FLIGHT CENTRE GREAT HOLIDAY ESCAPE VFR FLIGHTS FLIGHT CENTRE FLIGHT CENTRE TURRAMURRA TRAVEL CRUISEABOUT AUSTRALIA NEW ZEALAND TRAVEL MARKETING TRAVELOGIC
2TA001587	FLIGHT DECK (AUST) PTY LTD		NET LINK TRAVEL
2TA003512	FLORON NOMINEES PTY LTD		
2TA5279	FOCUS TOURS AUSTRALIA PTY LTD		
2TA004052	FORMTINE PTY LTD		
2TA000551	FOTI	SALVATORE	
2TA002216	FOTI	VINCENZO	
2TA4340	FRANCIS TRAVEL REPRESENTATION PTY LTD		INTERNATIONAL RESERVATION SERVICE
2TA003698	FRASER'S COACHES DUBBO PTY LTD		
2TA5257	FRATE	LUANA KELLY	
2TA003754	FREQUENT FLYERS PTY LTD		SYDNEY BUSINESS TRAVEL S B T BUSINESS TRAVEL SOLUTIONS FREQUENT FLYERS CAMPUS TRAVEL HARVEY WORLD TRAVEL- LITHGOW D-TRAVEL
2TA4394	FRIDLAND TRAVEL PTY LTD		
2TA5281	FRIENDSHIPXCHANGE NETWORK PTY LTD		
2TA5324	FRINGE OF THE DESERT TOURS PTY LTD		
2TA001297	FUCHS	HELEN MARY	CHESSE TRAVEL SERVICE
2TA5164	FUSSELL	BRADLEY STUART	WANDERERS AUSTRALIA
2TA5165	FUSSELL	KYLIE LOUISE	WANDERERS AUSTRALIA
2TA5000	FUTURE TRAVEL PTY LTD		
2TA004157	FYNKIT PTY LTD		SNOWY MOUNTAINS RESERVATION CENTRE
2TA003440	G & J INTERNATIONAL TRAVEL PTY LTD		
2TA5107	G J TRAVEL PTY LTD		BEST OF SOUTH AMERICA BEST OF THE OUTBACK
2TA003709	GABRIELLE	MILAD (MARK)	
2TA003710	GABRIELLE	CHAKIB CARLO	
2TA000944	GALACTICA TOURS PTY LTD		SUMMERLAND TRAVEL LISMORE TRAVELSCENE SUMMERLAND TRAVEL
2TA003998	GALAXY WORLD TRAVEL PTY LTD		
2TA003664	GARDENFIELD PTY LTD		JETOVER TOURS
2TA001441	GARUDA ORIENT HOLIDAYS PTY LTD		
2TA000888	GATEWAY TRAVEL PTY LTD		GATEWAY TOURS
2TA4476	GEGU HOLDINGS PTY LTD		TRAVELWORLD BONNYRIGG
2TA001151	GEM EZY FLIGHTS PTY LTD		GEM EZY FLIGHTS
2TA4364	GEMTRIP PTY LTD		TRAVELAND BATHURST TRAVELSCENE BATHURST TRAVELLA TRAVEL
2TA003533	GEMZEAL PTY LTD		SYDNEY LINK TRAVEL CENTRE
2TA4767	GENDY	ADEL	GSA SKY AIR SERVICES (NSW)
2TA001139	GENERAL SALES AGENTS INTERNATIONAL PTY LTD		
2TA001930	GENERAL TRAVEL GROUP PTY LTD		WORLD INTERLINE TOURS GENERAL TRAVEL AUSTRALIA THE CONGRESS TRAVEL OFFICE EASYWAY HOLIDAYS TRAVELWORLD CROWS NEST TRAVELWORLD HORNSBY GENTRY WORLD TRAVEL
2TA000868	GENTRY TRAVEL PTY LTD		MEGA TRAVEL MEGA TRAVEL HIDEAWAY HOLIDAYS
2TA4759	GEORGAKOPOULOS	AGATHI	
2TA4760	GEORGAKOPOULOS	PETER	
2TA001352	GEORGE COPELAND HOLDINGS PTY		



2TA003552	LTD GET SET TRAVEL PTY LTD		FRENCH TRAVEL CONNECTION INTERNATIONAL TRAVEL CONNECTION
2TA003715	GIANAKOULI	SYLVIA	AEGEANTOURS
2TA5377	GILLIES	KERRI ANN	TRAVEL WITH ME
2TA003403	GILPIN TRAVEL MANAGEMENT PTY LTD		
2TA4355	GINGA EXPRESS TRAVEL SERVICE PTY LTD		
2TA4249	GITANI TRAVEL AGENCY PTY LTD		
2TA4817	GLADES TRAVEL SERVICE PTY LTD		
2TA001511	GLEN TRAVEL SERVICE PTY LTD		TRAVELSCENE BELROSE
2TA000938	GLENQUARIE TRAVEL PTY LTD		
2TA003438	GLENSONE PTY LTD		FOUR SEASONS HOLIDAYS TRAVEL
2TA4916	GLOBAL BOUND PTY LTD		CARIBBEAN BOUND MARCO POLO TRAVEL CARIBBEAN HOLIDAYS
2TA002597	GLOBAL EXPRESS PTY LTD		
2TA5294	GLOBAL TRAVEL ENTERPRISES PTY LTD		TRAVEL DIRECT OF KINGSCLIFF
2TA5358	GO TRAVEL GROUP PTY LTD		
2TA5046	GO TRAVELING PTY LTD		
2TA001171	GOBRAN	WAFIK	TWIN WINGS AIR TRAVEL TWIN WINGS TRAVEL ATKING MEDINA TOURS & TRAVEL (HAJJ & UMROH PLUS)
2TA001505	GOLD AIR TRAVEL (NSW) PTY LTD		
2TA4651	GOLD MEDIA PRODUCTIONS PTY LTD		AERO WORLD SOLUTIONS
2TA003926	GOLDEN BOW PTY LTD		DWITOUR AUSTRALIA
2TA5071	GOLDEN DRAGON TRAVEL PTY LTD		
2TA4815	GOLDEN GLOBAL INTERNATIONAL TRAVEL PTY LTD		
2TA002770	GOLDEN MANLY MANAGEMENT SERVICES PTY LTD		FANTASTIC AUSSIE TOURS SPRINGWOOD TRAVEL
2TA5141	GOLDEN MILES TRAVEL & TOURS INTERNATIONAL PTY LTD		
2TA5282	GOLDEN TRAVEL AGENT PTY LTD		
2TA5093	GOLDEN WATTLE TRAVEL SERVICES PTY LTD		
2TA003840	GOLDEN WORLD TRAVEL PTY LTD		
2TA5496	GOLDMAN TRAVEL CORPORATION PTY LTD		
2TA5112	GOODALL	KEVIN JAMES	SKI 4 FREE
2TA5194	GOODES' TRAVEL PTY LTD		HARVEY WORLD TRAVEL (TUMUT)
2TA003737	GOODMAN	ROSS MAXWELL	HARVEY WORLD TRAVEL (GORDON) HARVEY WORLD TRAVEL (ST IVES)
2TA5453	GORMAN	SUSAN JOY	TRAVELSCENE KEMPSEY GOSFORD TRAVEL CENTRE (RETAIL)
2TA000812	GOSFORD TRAVEL CENTRE PTY LTD		
2TA5263	GOULBURN TRAVEL PTY LTD		
2TA003022	GOWAY TRAVEL PTY LTD		AUSTRALIAN TRAVEL & INFORMATION CENTRE PACESETTER TRAVEL
2TA5410	GRACE EDUCATIONAL SERVICES INTERNATIONAL PTY LTD		
2TA5322	GRADELL QLD PTY LTD		COOL TRAVEL
2TA5243	GRAND CIRCLE AUSTRALIA PTY LTD		
2TA5215	GRAND TOURING INTERNATIONAL PTY LTD		HARVEY WORLD TRAVEL (MERRYLANDS) GTI WORLD GTI SPORTS
2TA001779	GRANNY MAYS TRAVEL PTY LTD		
2TA004137	GRANTHAM-SMITH	CLAIRE MARIE	HARVEY WORLD TRAVEL (KYOGLA)
2TA4626	GRAY	IAN ROBERT	WINGHAM WORLDWIDE TRAVEL
2TA4627	GRAY	PENELOPE JOY	WINGHAM WORLDWIDE TRAVEL
2TA4738	GRAY	RUSSELL JAMES	GRAYS TOURS NEWCASTLE
2TA4739	GRAY	KRISTINE ADELL	GRAYS TOURS NEWCASTLE
2TA5227	GREAT AIRBORNE PTY LTD		GREAT CONNECTION TOURS & TRAVEL

2TA5187	GREAT AUSTRALIAN TOURS PTY LTD		DISCOVERY AIR TOURS
2TA5340	GREAT SOUTHERN LAND TRAVEL SERVICES PTY LTD		TRAVELSCENE HORSLEY PARK
2TA5310	GREAT SOUTHERN RAILWAY TRAVEL PTY LTD		
2TA5275	GREAT WALL TRAVEL SERVICE PTY LTD		
2TA5411	GREECE & MEDITERRANEAN TRAVEL CENTRE PTY LTD		
2TA001170	GREEN TRAVEL SERVICE PTY LTD		ARTARMON TRAVEL
2TA4912	GREENBERG	DAVID NEAL	ALL AUSSIE TRAVELERS
2TA003591	GRIFFIN	JEFFREY	DIAL-A-HOLIDAY WOY WOY
2TA003593	GRIFFIN	KENNETH	
2TA4495	GROUP EVENTS PTY LTD	JULIE	DIAL-A-HOLIDAY WOY WOY GROUPS R US EDUCATION ACTIVE TOURS NEW ZEALAND GROUP TOUR SPECIALISTS
2TA003040	GSM AUSTRALIA PTY LTD		
2TA4749	GTA AUSTRALASIA PTY LTD		
2TA5412	GULLINJET PTY LTD		
2TA001347	GULLIVER'S TRAVELS PTY LTD		
2TA001303	GULLIVERS SPORTS TRAVEL PTY LTD		GULLIVERS SPORT & MUSIC TRAVEL
2TA5154	GULLIVERS WORLD TRAVELS PTY LTD		
2TA003283	GUNDAGAI SHIRE COUNCIL		
2TA003447	GURUTRAVEL INTERNATIONAL PTY LTD		
2TA5422	GUTHREYS TOURS PTY LTD		GUTHREYS PACIFIC
2TA5355	GUZZUNI PTY LTD		VILLAGE TRAVEL OR ST. IVES VILLAGE TRAVEL TRAVELSCENE WOLLONGONG AT INTERNET TRAVEL
2TA002544	H I N TRAVEL PTY LTD		
2TA4672	H I S AUSTRALIA PTY LTD		
2TA4614	H L L INTERNATIONAL PTY LTD		FIRST & BEST TRAVEL
2TA5455	HACOBIAN	SHAKEH JACKIE	TRAVEL CAFE LANE COVE
2TA5456	HACOBIAN	HARMICK	TRAVEL CAFE LANE COVE
2TA5289	HALE	JANELLE KAYE	NORTH COAST TRAVEL
2TA5290	HALE	ALAN JOHN	NORTH COAST TRAVEL
2TA003454	HALEY	DAVID JOHN	C R C TRAVEL
2TA002529	HAMERLINE PTY LTD		HARVEY WORLD TRAVEL CROWS NEST
2TA5104	HAMILTON ISLAND TRAVEL PTY LTD		
2TA4362	HAMMOUD	MAHMOUD	UNITED WORLD TRAVEL EGYPT BY NILE TOURS HANCOCK CORPORATE TRAVEL
2TA5174	HANCOCK EVENTS INTERNATIONAL PTY LTD		
2TA003567	HANNAFORDS AUSTRALIAN TOURS PTY LTD		
2TA001129	HANS H KRISTENSEN TRAVEL PTY LTD		HHK TRAVEL
2TA002726	HANSU PTY LTD		EVENT MANAGEMENT & TRAVEL
2TA4713	HARBOUR CITY INTERNATIONAL PTY LTD		
2TA5193	HARKHAM HOLDINGS PTY LTD		NAGI TRAVEL INTERNATIONAL
2TA004111	HARRIS TRAVEL PTY LTD		
2TA001236	HARRIS TRAVEL SERVICE PTY LTD		HARVEY WORLD TRAVEL (PARKES) CHARMING TOURS HARVEST PILGRIMAGES HARVEST YOUTH TOURS VARIETY TRAVEL ESCAPE HOLIDAYS NSW HARVEY'S CHOICE HOLIDAYS CITY-LINK TRAVEL KIAMA TOURING COMPANY
2TA5210	HART	JONGKOLNEE	
2TA003632	HARVEST AUSTRALIA PTY LTD		
2TA4657	HARVESTMAN ENTERPRISE PTY LTD		
2TA004072	HARVEY HOLIDAYS PTY LTD		
2TA003986	HAU	THI MY NGOC	
2TA5302	HAWKES	JILL ELIZABETH	
2TA003687	HAWTON	PETER JOHN	
2TA4999	HEBANI INTERNATIONAL PTY LTD		HARVEY WORLD TRAVEL CHULLORA EGYPT RESERVATION CENTRE AFRICA TRAVEL COMPANY WORLDWIDE ADVENTURE TRAVEL THE ADVENTURE SPECIALISTS
2TA4709	HEDLEY TRAVEL PTY LTD		

2TA4833	HEIRO TRAVEL AGENCY PTY LTD		PANORAMA TOURS
2TA5474	HENDERSON SALCEDO	DESLIE GAI	FREELINE INDONESIAN SURF ADVENTURES
2TA003499	HERON AIRLINES TRAVEL PTY LTD		HTA TRAVEL
2TA001496	HIFURE PTY LTD		GO LATIN AMERICA
			SUMMERLAND TRAVEL
			MERIMBULA
2TA003549	HIGH RANK TRAVEL PTY LTD		CARINGBAH TRAVEL SERVICE
2TA000832	HIGHFIELD ENTERPRISES PTY LTD		
2TA5331	HIGHFLI PTY LTD		TRAVELSCENE AT HILLS TRAVEL CENTRE
2TA5158	HILLS TRAVEL CENTRE PTY LTD		ST MARYS TRAVEL
			TRAVELWORLD ST MARY'S
2TA001600	HILTCAN PTY LTD		TENZING'S INTERNATIONAL STUDY TOURS
2TA4690	HIMALAYAN TRAVEL CENTRE (AUST) PTY LTD		HIMALAYAN TRAVEL CENTRE
			NATIONAL WORLD TRAVEL - WALKER STREET NORTH SYDNEY
2TA004084	HINTERE PTY LTD		TRAVEL ADVANTAGE MONA VALE
2TA5498	HOBSON & SPIGHT PTY LTD		
2TA5291	HOLIDAY EDGE PTY LTD		INDIA NEPAL TRAVEL CENTRE
2TA4333	HOLIDAY PLANNERS PTY LTD		NATIONAL WORLD TRAVEL - WOLLONGONG
2TA4327	HOLIDAY TOURS WOLLONGONG PTY LTD		
2TA4251	HOLIDAY-KING TRAVEL PTY LTD		PHOENIX TRAVEL
2TA5229	HOLMES CONSULTING PTY LTD		
2TA003205	HOMA TRAVEL PTY LTD		HONEY TRAVEL & TOURS AGENCY
2TA5023	HONEW TOURS PTY LTD		
2TA003404	HONEY TRADING PTY LTD		
2TA4995	HONEYMOON WORLDWIDE HOLIDAYS PTY LTD		OPAL TRAVEL
2TA004000	HONLINK PTY LTD		
2TA5440	HORIZON SPORTING EVENTS PTY LTD		HARVEY WORLD TRAVEL (HORNSBY)
2TA003812	HORNSBY TRAVEL PTY LTD		HOWARD'S COACHES
2TA003516	HOWARD	ALPHONSUS	
		ANDREW	HOWARD'S COACHES
2TA003517	HOWARD	MICHAEL ANDREW	HOWARD'S COACHES
2TA003518	HOWARD	KATHLEEN	HOWARD'S COACHES
		MARGARET	
2TA003519	HOWARD	ANTHONY JOSEPH	HOWARD'S COACHES
2TA003346	HUANG	YAO HUNG	VICTORIA TELE WORLD TRAVEL
2TA002936	HUMAN MOTIVATION PTY LTD		
2TA4526	I S B H PTY LTD		RUSSIA AND BEYOND RENAISSANCE TOURS
2TA5177	I-XPLORE PTY LTD		
2TA5265	IAN SPIGHT PTY LTD		HARVEY WORLD TRAVEL (BROOKVALE)
			TRAVEL ADVANTAGE WOLLONGONG
			TRAVELSCENE MONA VALE
2TA4938	ICET TRAVEL PTY LTD		
2TA000984	ID SOUTH PACIFIC PTY LTD		IMAGINE TRAVEL
2TA001709	ILLAWARRA TRAVEL PTY LTD		HARVEY WORLD TRAVEL - SHELLHARBOUR SQUARE
2TA000806	IMAGINE TRAVEL PTY LTD		IMMANUEL TRAVEL
2TA003070	IMMANUEL C T T PTY LTD		KUMUKA EXPEDITIONS
2TA4485	INCENTIVE TRAVEL INTERNATIONAL PTY LTD		
2TA4696	INDEPENDENT TRAVEL ADVENTURE PTY LTD		
2TA4868	INFO TRAVEL & ACCOMMODATION PTY LTD		
2TA4839	INMARK PTY LTD		INMARK TRAVEL
			SIX STAR CRUISES
2TA001564	INSIGHT VACATIONS PTY LTD		
2TA5334	INTABA TRAVEL MANAGEMENT PTY LTD		
2TA003603	INTEGRA INTERNATIONAL RESERVATIONS PTY LTD		
2TA5308	INTEGRATED TRAVEL SERVICES PTY LTD		
2TA4638	INTELETRAVEL PTY LTD		ALTITUDE TRAVEL

2TA001538	INTERCONTINENTAL TRAVEL PTY LTD		
2TA003728	INTERHOLD PTY LTD		INTERTRAVEL LINDFIELD TRAVELSCENE AT INTERTRAVEL LINDFIELD
2TA003391	INTERMEDIA TRAVEL CONSULTANTS (NSW) PTY LTD		
2TA4560	INTERNATIONAL CONFERENCE MANAGEMENT PTY LTD		COMPLETE CONFERENCE MANAGEMENT & TRAVEL SYDNEY EXPRESS
2TA000566	INTERNATIONAL EXPRESS PTY LTD		TRAVCOA RHYTHM EXPRESS TRAVEL VISITFRANCE.COM.AU SYNERGI GLOBAL TRAVEL UNITOURS WORLD TRAVEL SYDNEY EXPRESS TRAVEL EXPRESS EVENTS CLIQBOOK OUTTASK TRAVEL VOGUE SYDNEY EXPRESS
2TA4426	INTERNATIONAL SPORTS TOURS PTY LTD		INTERNATIONAL SPORTS TOURS
2TA003637	INTERNATIONAL TRAVEL ASSOCIATES PTY LTD		IST TRAVEL GLOBAL FORUMS FLIGHT POINT WALLACE ARNOLD HOLIDAYS OPEN ROAD HOLIDAYS
2TA5378	INTERNATIONAL TRAVEL CENTRE PTY LTD		
2TA5480	INTERPAC INTERNATIONAL PTY LTD		AIMHIGH TOURS
2TA003001	INVERELL BUS SERVICE PTY LTD		
2TA4609	IRISHAM PTY LTD		CRUISE REPS
2TA4490	ISAAC	EPHRAIM NIRDOSH MARIA LESLIE	BALLINA TRAVEL VALUE
2TA4491	ISAAC		BALLINA TRAVEL VALUE
2TA001556	ISIROO PTY LTD		DENILQUIN TRAVEL CENTRE
2TA002547	ITG LIMITED		THE EVENTS CENTRE NSW TQ3 TRAVEL SOLUTIONS TQ3 TQ3 TQ3 TRAVEL SOLUTIONS
2TA003575	J & J WORLDWIDE TRAVEL PTY LTD		
2TA5082	J B E HOLDINGS PTY LTD		JTRAVEL
2TA003952	J C B INTERNATIONAL (OCEANIA) PTY LTD		
2TA5463	J TOURS PTY LTD		
2TA5389	J V L TRAVEL PTY LTD		
2TA4731	J V M TRAVEL PTY LTD		JETSET TRAVEL ORANGE
2TA002842	JABIR	HABIB	SWAN TRAVEL
2TA5102	JADE TRAVEL PTY LTD		
2TA003444	JADELEN PTY LTD		HARVEY WORLD TRAVEL (TERRIGAL)
2TA5126	JAEPORPT PTY LTD		
2TA001551	JAIARA PTY LTD		JADE EXPRESS TRAVEL
2TA001647	JALPAK INTERNATIONAL OCEANIA PTY LTD		JALPAK JALPAK TRAVEL
2TA003784	JAMADU PTY LTD		ITC - INCENTIVE TOUR & CONFERENCE MANAGEMENT HAMPDEN TRAVEL
2TA5034	JANUS TOURS AUSTRALIA PTY LTD		
2TA000131	JAPAN AIRLINES COMPANY LTD		
2TA4894	JAPAN AUSTRALIA TOURISM PTY LTD		
2TA004046	JARGAN PTY LTD		TRAVELSCENE - MIRANDA TRAVEL
2TA001877	JARIT (AUST) PTY LTD		COMPASS TRAVEL (GALSTON)
2TA5318	JARMANI PTY LTD		HARVEY WORLD TRAVEL (PITT ST SYDNEY)
2TA002873	JARVIS	ROBERT ALLAN	
2TA5403	JAX (AUSTRALIA) PTY LTD		JAX TRAVEL
2TA5244	JAYES TRAVEL SERVICES PTY LTD		
2TA4840	JCM DESTINATION AUSTRALIA PTY LTD		
2TA4615	JEFFERY	CHRISTOPHER JOHN GUY	TRAVELSCENE AT LAKELINE
2TA4616	JEFFERY	BAMBINA PINA	TRAVELSCENE AT LAKELINE

		LUCY	
2TA003237	JENNIFER GORRIE & ASSOCIATES PTY LTD		RIGHT DIRECTIONS
2TA001250	JET-SEA ENTERPRISES PTY LTD		HARVEY WORLD TRAVEL (JANNALI)
2TA003291	JETAROUND HOLIDAYS PTY LTD		
2TA4784	JETAWAY CONNECTIONS PTY LTD		TRAVELAND NEUTRAL BAY NEUTRAL BAY TRAVEL TRAVELWORLD NEUTRAL BAY
2TA001801	JETGLOBE TRAVEL PTY LTD		
2TA001916	JETSET TOURS (ROSE BAY) PTY LTD		
2TA002579	JETSET TOURS (TAMWORTH) PTY LTD		
2TA5361	JETSET TRAVELWORLD LTD		
2TA5335	JETTIN PTY LTD		THOMAS COOK TRAVEL (LIVERPOOL) HARVEY WORLD TRAVEL (CHATSWOOD)
2TA4730	JETUP BEI-AO TRAVEL PTY LTD		
2TA4968	JIANCE PTY LTD		TRAVELEADERS LEETON ADVANCE TRAVEL CENTRAL COAST
2TA4818	JIREH KARALAE PTY LTD		TRAVELEADERS WAGGA JETSET TRAVEL NEWCASTLE
2TA5419	JNR TRAVEL PTY LTD		
2TA001230	JOHN REID TRAVEL PTY LTD		
2TA004180	JOLLY SWAGMAN TRAVEL AGENCY PTY LTD		
2TA5256	JONES	NAOMI JENNIFER	
2TA003995	JRL INVESTMENTS (AUST) PTY LTD		JRL TRAVEL KOALA BUS
2TA001663	JTA OCEANIA PTY LTD		
2TA001972	JTB AUSTRALIA PTY LTD		
2TA5438	JUDLY INTERNATIONAL PTY LTD		
2TA4710	JULIE KEEGAN TOURS PTY LTD		GARDEN LOVERS TOURS AUSTRALIAN WINE & FOOD TOURS DANCE TRAVEL TRAVELSCENE PORT TO PORT TRAVEL BUSINESS & LEISURE TRAVEL HARVEY WORLD TRAVEL (BRIGHTON-LE-SANDS) ALL AUSSIE HOLIDAYS
2TA4684	JULIETTA TRAVEL PTY LTD		
2TA4963	JULROS PTY LTD		
2TA5464	JURY	NOELINE FRANCES	
2TA003902	JUSTRAVEL PTY LTD		ARMIDALE TRAVEL CENTRE ARMIDALE FLIGHT CENTRE DISCOUNTS-HOLIDAY-TRAVEL- TOURS.COM.AU E-TICKET TRAVEL CENTRE ARMIDALE MALAYSIA SINGAPORE TRAVEL SPECIALIST MALAYSIAN HOLIDAYS & TOURS K & A TRAVEL SERVICES HARVEY WORLD TRAVEL (NOWRA)
2TA002877	JW ASEAN TRAVEL SPECIALIST PTY LTD		MILLENNIUM TRAVEL SERVICES VANUATU ESCAPES OCEAN BLUE VANUATU O.A.K. HOLIDAYS
2TA5478	K & A TRAVEL SERVICE PTY LTD	AJIT GANESH	
2TA002811	K & C LONGFORD PTY LTD		
2TA003636	K & H TRAVEL CENTRE PTY LTD	AMANDA LOUISE MAROLYN	AMANDA KARCHER TRAVEL ZORBAS TRAVEL SERVICE - THE TRAVEL SPOT TRAVELSCENE KEANS MUSWELLBROOK TRAVELSCENE KEANS SINGLETON JETSET TRAVEL GRIFFITH JETSET TRAVEL GRIFFITH COROWA TRAVEL LINK TRAVELSCENE COFFS HARBOUR KELLY TRAVEL COMPANY TRAVELSCENE HAMILTON
2TA4707	KADDAK PTY LTD		
2TA5124	KAJALE		
2TA4470	KANA TRAVEL PTY LTD		
2TA4369	KARCHER		
2TA5504	KAREFYLAKIS		
2TA002784	KEANS TRAVEL SERVICE PTY LTD		
2TA003538	KEENAN	PAUL DANIEL	
2TA003539	KEENAN	JANINE MARIE	
2TA5118	KELLY	SUSAN ANNE	
2TA4397	KELLY TRAVEL COMPANY PTY LTD		
2TA4593	KELMIK PTY LTD	MELANIE LIETTE	
2TA5477	KEMPE	HERLINA	KENTROSE INTERNATIONAL TRAVEL
2TA5127	KENT		AUSONIA TRAVEL SERVICE JET SET DEE WHY
2TA002960	KERBA	NICHOLAS	
2TA4688	KEYOR PTY LTD		

2TA004062 2TA001439	KHOURY KING	ABRAHAM GRAHAME KEITH	TRAVELSCENE MERRYLANDS THE KINGS OF NEWCASTLE BUS & COACH SERVICES THE KINGS OF NEWCASTLE THE KINGS OF NEWCASTLE BUS & COACH SERVICES THE KINGS OF NEWCASTLE
2TA002258	KING	HELEN JOY	
2TA001558	KINGSFORD TRAVEL AGENCY PTY LTD		
2TA002654	KINTETSU INTERNATIONAL EXPRESS (OCEANIA) PTY LTD		KINTETSU TRAVEL CENTRE SYDNEY KINKI NIPPON TOURIST
2TA001116 2TA001826 2TA5285	KIRKLANDS COACHES PTY LTD KITCHEN MAID PTY LTD KLEDO PTY LTD		NARRABEEN TRAVEL CENTRE HARVEY WORLD TRAVEL (CHARLESTOWN) KN - TRAVEL AUSTRALIA
2TA4383	KNECHT REISEN AUSTRALIA PTY LTD		
2TA4450 2TA003862 2TA5391 2TA4755 2TA5022 2TA003854	KNESCO TRAVEL PTY LTD KNESPAL KNIGHT KOALA TRAVEL PTY LTD KOBRA KOLIMDA PTY LTD	GARRY JOHN GARY EDWARD  NUSRET	CAFE TRAVEL ASSOCIATION TRAVEL  ARENA TRAVEL HARVEY WORLD TRAVEL- NARELLAN KLM ROYAL DUTCH AIRLINES
2TA000369	KONINKLIJKE LUCHTVAART MAATSCHAPPIJ N V		
2TA5325 2TA5002 2TA003973 2TA003206	KORALIA TOURS PTY LTD KOREA TRAVEL AGENCY PTY LTD KORYO TRAVEL SERVICE PTY LTD KOSTRALIA TOUR & TRAVEL PTY LTD		KORYO TRAVEL SERVICE
2TA5060 2TA5059 2TA5515 2TA001702 2TA4550	KOUDRINA KOUDRINE KRISTOS GROUP PTY LTD KRSOSKA KULPER	IRINA IGOR  BLAGA MILU	AUSTRALIANA DISCOVERY AUSTRALIANA DISCOVERY KRISTOS TRAVEL CENTROTURIST TRAVEL SERVICE ALL PLANET TRAVEL & ALL BUS COMPANY
2TA4549	KULPER	JOHN BRADLEY	ALL PLANET TRAVEL & ALL BUS COMPANY HARVEY WORLD TRAVEL (WOLLONGONG) SUN ISLAND TOURS
2TA002521	KYLBLUE PTY LTD		
2TA001778 2TA5170 2TA000828 2TA002229 2TA002230 2TA003735 2TA001932 2TA002287	KYRENIA TRAVEL SERVICE PTY LTD KYUHEE PTY LTD LABBOZZETTA LABBOZZETTA LABBOZZETTA LACAN PTY LTD LAKE LAKE	FRANK DOMENICO ANTHONY  ROBERT WALTER BERVENE ELIZABETH	MARCONI TRAVEL MARCONI TRAVEL MARCONI TRAVEL LACAN TRAVEL
2TA000783 2TA4832 2TA5258	LAKEMBA TRAVEL CENTRE PTY LTD LAL LAMIL PTY LTD	MARCEL SUMESH	REAL INTERNATIONAL TRAVEL F I FIJI ISLAND TOURS ISLAND & CORPORATE TRAVEL COAST & COUNTRY AUSTRALIA TOURS
2TA004152	LAND VOYAGES PTY LTD		
2TA5502 2TA003289 2TA5157	LANDMARK TRAVEL PTY LTD LANDSUN PTY LTD LANI TRAVEL PTY LTD		LANDMARK TRAVEL SEOUL TRAVEL HARVEY WORLD TRAVEL (BONDI JUNCTION) TRAVEL WORLD MOUNT DRUITT NATIONAL WORLD TRAVEL - MOUNT DRUITT EASTERN SUBURBS TRAVEL HARVEY WORLD TRAVEL (COFFS HARBOUR)
2TA4351	LANJAK PTY LTD		AUSIN INTERNATIONAL TRAVEL KENT CARS & HOTELS AMERICA WEST MARKETING
2TA003353 2TA4642	LANSIX PTY LTD LARKEY	JULIE-ANNE	
2TA4225 2TA003922	LATERAL LIVING PTY LTD LATITUDE TRAVEL PTY LTD		
2TA003792 2TA000816 2TA5123 2TA5369 2TA003343	LAURENCE TRAVEL PTY LTD LAZARIS LE LEADBEATTER LEADWAY TRAVEL PTY LTD	GEORGE THUY DINH THI KYLIE LOUISE	ASTRA TRAVEL SERVICE THAI-BINH TRAVEL CENTRE WARNERS BAY TRAVEL

2TA003259	LEAL	GRAHAM ALFRED	JUNEE TRAVEL
2TA003741	LEE	CHOI LING ROSA	ROSA'S TRAVEL
2TA4323	LEE FU PTY LTD		GRAND ELITE TRAVEL
2TA001389	LEGGETT WORLD TRAVEL SERVICES PTY LTD		
2TA000742	LEISUREWORLD TRAVEL PTY LTD		KAY AT LEISURE WORLD TRAVEL
2TA003223	LET'S TRAVEL AUSTRALIA PTY LTD		LET'S TRAVEL
2TA004196	LETHANG	TIEN	SKYBUS MEKONG TRAVEL
2TA003577	LETICIA TRAVEL PTY LTD		TRAVEL CARE
2TA4379	LEUNG	THOMAS	COMFORT TOUR COACH COMPANY
2TA003303	LEVER	DAWN JUNE LOUISE	
2TA4870	LI & FUNG TRAVEL PTY LTD		UNEEDA HOLIDAYS
2TA003748	LIAISON TRAVEL PTY LTD		
2TA003340	LIANG	XIAO HONG	DISCOUNT AIR TRAVEL (LAKEMBA)
2TA003668	LIBERTY TRAVEL SERVICES PTY LTD		ANSWIRS RESERVATIONS NEW ZEALAND TRAVEL
2TA5148	LIDO TRAVEL PTY LTD		
2TA001918	LIM	ALICE GEK MOI	ADVCON TRAVEL SERVICES
2TA003388	LINDFIELD TRAVEL PTY LTD		
2TA003157	LINDSAYS TRAVEL PTY LTD		
2TA4694	LINDY ARCHER & ASSOCIATES PTY LTD		HARVEY WORLD TRAVEL (CASTLE HILL)
2TA003595	LINEAJOHN PTY LTD		GLOBAL VILLAGE TRAVEL
2TA4605	LION INTERNATIONAL TRAVEL SERVICE PTY LTD		LION INTERNATIONAL TRAVEL
2TA5074	LITHGOW TRAVEL PTY LTD		TRAVELSCENE LITHGOW
2TA003796	LIU	ALEXANDER GWYNETH	
2TA003797	LIU	MARGARET	RYDE TRAVEL CENTRE
2TA000678	LOMBARDO	ERIC BERNARD	RYDE TRAVEL CENTRE
2TA002284	LOMBARDO	EDNA D	E D L INTERNATIONAL
2TA004164	LONGHURST		LONGWAY TRAVEL
2TA4500	LONGWAY ENTERPRISES PTY LTD		
2TA001518	LOTTE TRAVEL & FREIGHT SERVICE PTY LTD		
2TA5313	LOUTON HOLDINGS PTY LTD		EXECUTIVE TRAVEL AUST
2TA004025	LOVELOCKS RADIO PTY LTD		HARVEY WORLD TRAVEL (WAGGA WAGGA)
2TA003096	LOWDER & SONS BUS & COACH SERVICE PTY LTD		
2TA001806	LUANGRATH	KEO OUDONE	APAC TRAVEL
2TA5385	LUCKY TOURS PTY LTD		
2TA5179	LUCKY TRAVEL & TOUR (AUSTRALIA) PTY LTD		
2TA4577	LUKA	KAREN MARGARET	SPORTEX TRAVEL
2TA5173	LUNG HANG INDUSTRY PTY LTD		TARA HOLIDAYS AUSTRALIA
2TA4641	LUXURY TRAVEL PTY LTD		HARVEY WORLD TRAVEL SYLVANIA
2TA003252	LYALL	JOSYLIN MAY	TRAVELAND-CARDIFF TRAVELWORLD CARDIFF
2TA003265	LYN PULLEN'S WORLD TRAVEL PTY LTD		
2TA4447	LYNDWOOD TOURS PTY LTD		
2TA001397	LYSNACE PTY LTD		HARVEY WORLD TRAVEL (WINSTON HILLS)
2TA001041	M & G TRAVEL PTY LTD		
2TA4588	M A GASPAR & SONS PTY LTD		PETERSHAM TRAVEL CENTRE HARVEY WORLD TRAVEL PETERSHAM TRAVELSCENE CASULA
2TA5482	M M TRAVEL PTY LTD		
2TA003025	M P TRAVEL PTY LTD		
2TA5511	MA	EMMA YING	SUNYDO TRAVEL AGENCY
2TA5081	MACARTHUR TRAVEL PTY LTD		MACARTHUR TRAVEL CAMDEN
2TA5053	MACEDON TRAVEL PTY LTD		D J TRAVEL
2TA4610	MACKIE	HELEN LORRAINE	LACHLAN TRAVEL (YOUNG)
2TA5180	MACLEAY VALLEY TRAVEL PTY LTD		
2TA5016	MAGIC TOUCH ADVERTISING PTY LTD		PAXTOURS INTERNATIONAL TRAVEL
2TA002992	MAHON	DENISE EDNA	DENISE MAHON TRAVEL
2TA4248	MAHONY	PAULINE FRANCES	ALBURY TRAVEL
2TA4247	MAHONY	BRENDON KENT	ALBURY TRAVEL
2TA5387	MAI	LI JING	MAKLI TRAVEL SERVICE

2TA4943	MAITLAND TRAVEL SERVICES PTY LTD		HARVEY WORLD TRAVEL (MAITLAND)
2TA002918	MAJESTIC TRAVEL PTY LTD		
2TA4896	MAKEHAM	ANNETTE VERONA	MAKEHAM'S COACHES
2TA4897	MAKEHAM	LINDSAY JOHN	MAKEHAM'S COACHES
2TA000530	MALAYSIAN AIRLINE SYSTEM BERHAD		MALAYSIA AIRLINES
2TA5423	MANLY TRAVEL SERVICE PTY LTD		MANLY TRAVEL SERVICE
2TA001348	MAPEN PTY LTD		A J A STANMORE TRAVEL AGENCY
2TA4474	MARIA ROSA TRAVEL PTY LTD		
2TA001888	MARINOPOULOS	DIMITRIOS	ARGO TRAVEL SERVICE
2TA5398	MARK PEARMAN PTY LTD		
2TA4795	MARKAR TRAVEL PTY LTD		
2TA4682	MARKOVSKI	BORIS	B M CENTURY TRAVEL
2TA003791	MAROUN	MARIE	KARIM'S TRAVEL AGENCY
2TA004059	MARSHALL	SUSAN LEA	HARVEY WORLD TRAVEL (GUNNEDAH)
			GUNNEDAH TRAVEL AGENCY
2TA5196	MARSHALL	ROBIN BERNARD	LITTLE'S TRAVEL WORLD
2TA4579	MARTIN OWENS PTY LTD		TRAVEL TOGETHER
2TA002744	MARTINS TRAVEL & TOURS PTY LTD		TRAVELSCENE AT MARTINS ALBURY
2TA002531	MARTRON PTY LTD		EASTERN EUROPE TRAVEL BUREAU
			RUSSIAN TRAVEL CENTRE
2TA001148	MARY LEE PTY LTD		
2TA002503	MASLENBRIDGE PTY LTD		HARVEY WORLD TRAVEL (KATOOMBA)
			HARVEY WORLD TRAVEL - SINGLETON
2TA5344	MASON	KEVIN JOSEPH	
2TA5345	MASON	JENNIFER JEAN	
2TA4748	MATLAKE PTY LTD		TRAVELAND PORT MACQUARIE TRAVELPORT
2TA001776	MAXIMS TRAVEL PTY LTD		
2TA5459	MAYLAND ANZTOUR PTY LTD		
2TA5417	MAZUMDER	S A M ZAKIR HUSSAIN	ZAAZ INTERNATIONAL
2TA001807	MCCARROLL'S (INTERNATIONAL) TRAVEL WORLD PTY LTD		HARVEY WORLD TRAVEL (EMU PLAINS)
2TA5371	MCCULLOCH	TERENCE ERIC	
2TA003179	MCDERMOTT	ORMOND KEVIN	SYDNEY CITY CENTRE TRAVEL AGENT
2TA003180	MCDERMOTT	MAUREEN ANNE	SYDNEY CITY CENTRE TRAVEL AGENT
2TA001372	MCGANN TRAVEL CENTRE PTY LTD		TRAVELSCENE HURSTVILLE
2TA5225	MCGARVIE	ROSS GLEN	HARVEY WORLD TRAVEL (GRAFTON)
2TA5226	MCGARVIE	KAREN HAZEL	HARVEY WORLD TRAVEL (GRAFTON)
2TA5380	MCGEE	RONALD JAMES	BERRY TRAVEL
2TA5383	MCGEE	HALINA JRENA	BERRY TRAVEL
2TA5382	MCGEE	ROBERT DEAN	BERRY TRAVEL
2TA001722	MCINTYRE	KEVIN JOSEPH	MCINTYRE COACHES
2TA003293	MCKEOUGH	COLIN JOHN	COCONUT GROVE TRAVEL MALABAR
			COCO RESORT INVESTMENT AND TRAVEL
2TA003294	MCKEOUGH	KARIL LORRAINE	COCONUT GROVE TRAVEL MALABAR
			COCO RESORT INVESTMENT AND TRAVEL
2TA5301	MCKEOWN	ROENA GAY	
2TA5300	MCKEOWN	WARREN JAMES	
2TA004020	MCLACHLAN	GILMORE JAMES	HARVEY WORLD TRAVEL (MANLY)
2TA003244	MEADOW TRAVEL SERVICE PTY LTD		
2TA5250	MEDIATRavel PTY LTD		MEDIATRavel
2TA5326	MEDICAL MEETINGS HOLDINGS PTY LTD		MEDICAL MEETINGS
2TA004209	MELHUIISH	NARELLE FAYE	TRAVELWORLD SALAMANDER BAY
2TA004210	MELHUIISH	DOUGLAS RAYMOND	TRAVELWORLD GREEN HILLS
			TRAVELWORLD SALAMANDER BAY
2TA002731	MENDES	ROGERIO ROMAO	TRAVELWORLD GREEN HILLS
			MENDES TRAVEL WOOLLAHRA



2TA4330	MENON BROTHERS TRAVEL PTY LTD		TRAVELWORLD EPPING
2TA4662	MERIMBULA BOOKING SERVICES PTY LTD		HARVEY WORLD TRAVEL (MERIMBULA)
2TA5189	MEROLA	DAMIAN	MEROLA'S TRAVEL SERVICE
2TA5375	MEROLA	LEONORA MARIA	MEROLA'S TRAVEL SERVICE
2TA003564	MESAN ENTERPRISES PTY LTD		ASIAWIDE TRAVEL
2TA001029	MESSAGE TRAVEL PTY LTD		
2TA002866	METRO TRAVEL PTY LTD		METRO HOLIDAYS
2TA4234	METROPOLE TRAVEL PTY LTD		
2TA000987	MICHAEL EDEN PTY LTD		EDEN TRAVEL BUS BOOKING CENTRE BACKPACKER'S BUS BOOKING CENTRE EDEN CORPORATE TRAVEL AFRICAN EDEN EDEN TRAVEL BUS BOOKING CENTRE
2TA003466	MICHAEL SHEAN AND PARTNERS PTY LTD		
2TA5147	MILOLU PTY LTD		KEAN TRAVEL & TOURS
2TA4636	MILPAT PTY LTD		HARVEY WORLD TRAVEL (CORRIMAL)
2TA5390	MIN GYO TOUR PTY LTD		
2TA002668	MINHINNETT	KEITH RULE	WOOLGOOLGA TRAVEL CENTRE
2TA5140	MINT TRIPS PTY LTD		
2TA003558	MIRAGE TRAVEL PTY LTD		MOUNTAIN HIGH TRAVEL
2TA003736	MITCHELL	ADELE KAYE	HARVEY WORLD TRAVEL (GORDON) HARVEY WORLD TRAVEL (ST IVES)
2TA5416	MOHAMMAD	RIAZUL ISLAM	ZAAZ INTERNATIONAL
2TA003423	MONSEES	MONIQUE MARIA	CHERRYBROOK TRAVEL
2TA4390	MORAY TRAVEL COMPANY PTY LTD		
2TA003829	MORGAN	COLLEEN FRANCIS	SUMMERLAND COACHES
2TA4392	MORNING CALM PTY LTD		
2TA003855	MOSS VALE TRAVEL PTY LTD		BONG BONG HIGHLAND COTTAGES
2TA4990	MOSTRAVEL PTY LTD		
2TA4800	MOUNTAIN & SEA TRAVEL PTY LTD		
2TA001672	MOUNTSTEPHEN TRAVEL PTY LTD		
2TA5026	MOVES TRAVEL GROUP PTY LTD		
2TA003126	MSC TRAVEL PTY LTD		
2TA002869	MULLUMBIMBY TRAVEL PTY LTD		TRAVELSCENE MULLUMBIMBY
2TA5364	MULTI PACIFIC PTY LTD		
2TA003885	MURRAY RIVER DEVELOPMENT LTD		
2TA4987	MURRAYS AUSTRALIA LTD		
2TA001967	MURRI	MARION NERIDA	MOUNTAIN MAGIC TRAVEL
2TA002945	MURRYFIELDS INVESTMENTS PTY LTD		HOWARTH'S BUS SERVICE
2TA5255	MYALL TRAVEL PTY LTD		
2TA5035	MYLATHON PTY LTD		JETSET BLACKTOWN
2TA5493	MYPLANET AUSTRALIA PTY LTD		
2TA5396	N T & T INVESTMENTS PTY LTD		ASEAN TRAVEL & TOURS
2TA4703	N W T B PTY LTD		TRAVELWORLD BATHURST
2TA5203	NAJDI	JAMAL JOHN	LAMAR TRAVEL AGENCY
2TA4927	NAJJAR		PARKLAND TRAVEL
2TA5065	NARELLAN TRAVEL CENTRE PTY LTD		
2TA003342	NARUKO PTY LTD		CONDOBOLIN TRAVEL SERVICE
2TA5207	NATIONWIDE JEWELLERS PTY LTD		NATIONWIDE TRAVEL
2TA001364	NATOLI	PATRICK GIACOMO	LAZE-AWAY TRAVEL
2TA002254	NATOLI	CATHERINE DANIELA	LAZE-AWAY TRAVEL
2TA002959	NAVGEM PTY LTD		SEVEN STAR TRAVEL
2TA001136	NEDIM	RIFAT	GALAXY TRAVEL SERVICES
2TA5311	NELSON BAY R S L TRAVEL CLUB PTY LTD		HARVEY WORLD TRAVEL- NELSON BAY
2TA001114	NELSON BAY TRAVEL PTY LTD		RAYMOND TERRACE TRAVEL TRAVELWORLD RAYMOND TERRACE
2TA4926	NEMIROVSKA	OLGA LEONIDOVNA	BONDI TRAVEL
2TA4541	NEW CENTURY HOLIDAYS PTY LTD		NEW CENTURY HOLIDAYS TRAVEL INTERNATIONAL

2TA004063	NEW LAND TRAVEL PTY LTD		
2TA4477	NEW LINE TOURS PTY LTD		
2TA4522	NEW SPRING BUSINESS CORPORATION PTY LTD		LUCKENT INTERNATIONAL TRAVEL
2TA001961	NEW WORLD TRAVEL INTERNATIONAL PTY LTD		H I S
2TA4620	NGUYEN	DUY VUONG	CBD - TRAVELVISION
2TA4921	NGUYEN	ROSA HONG	AUS-ZEALAND TRAVEL & TOURISM
		NHUNG	SAIGON DU LICH
2TA001760	NICOL TRAVEL PTY LTD		WYONG PLAZA TRAVEL
			TOUKLEY TRAVEL SERVICE
			TRAVELPLANNERS LAKE HAVEN
			TOUKLEY TRAVEL SERVICE
			SACHI TOURS
2TA001939	NIPPON TRAVEL AGENCY (AUSTRALIA) PTY LTD		
2TA001455	NIUGINI TOURS PTY LTD		NEW GUINEA TRAVEL CENTRE
			MELANESIAN TOURS
			BORNEO TOUR SPECIALISTS
			NEW GUINEA TOURS
			CONTEMPORARY EXPERIENCES
			WALINDI DIVING
			NEW GUINEA EXPEDITIONS
			NIUGINI HOLIDAYS
			EAST TIMOR TOURS
			TIMOR TOURS
			CORAL SEA TOURS
			BODY AND SOUL HOLIDAYS
			KOKODA EXPEDITIONS
			IMPERIAL TRAVEL WILLOUGHBY
			TRAVELWORLD TAREE
2TA004064	NOBI PTY LTD		
2TA004109	NORLING	KARENNE	
		ELIZABETH	
2TA001286	NORROB PRODUCTS PTY LTD		TRAVELWORLD FORSTER
			MOORE LEISURE TRAVEL
			MLT TRAVEL & EVENT
			MANAGEMENT SERVICES
			JETSET NORTH RYDE
			NORTHERN HIGHLAND TRAVEL
2TA4898	NORTH RYDE TRAVEL PTY LTD		
2TA5150	NORTHERN HIGHLAND TRAVEL PTY LTD		
2TA003666	NORTHERN TERRITORY TOURISM & PROMOTIONS PTY LTD		
2TA003790	NORTHSHORE TRAVEL PTY LTD		
2TA002772	NORTHSIDE BUSINESS TRAVEL PTY LTD		
2TA002986	NOW VOYAGER TRAVEL PTY LTD		
2TA003410	NOWRA COACH TRAVEL PTY LTD		NCT TOURS & TRAVEL AUSTRALIA
2TA4948	NOWRA TRAVEL PTY LTD		TRAVELWORLD NOWRA FAIR
2TA5131	NS TRAVEL PTY LTD		FLIGHT 13 TRAVEL AND TOURISM
2TA002535	NUMBER ONE TRAVEL PTY LTD		
2TA001502	NUTAVE PTY LTD		SKI HOLIDAY HOTLINE
			AUSTRALIAN HOLIDAY HOTLINE
			GOLF HOLIDAY HOTLINE
2TA5019	O'DONNELL	SUZANNE MARIE	TRAVELSCENE MACKSVILLE
2TA5020	O'DONNELL	MAURICE WALTER	TRAVELSCENE MACKSVILLE
2TA000860	O'MALLEY	VERE PAULINE	FORESTVILLE TRAVEL SERVICE
2TA5271	O'REGAN	TANIA LEE	GERRARDS - THE TRAVEL SHOP
2TA5272	O'REGAN	CRAIG WILLIAM	GERRARDS - THE TRAVEL SHOP
2TA003681	OAKDATE PTY LTD		QUEANBEYAN CITY TRAVEL
2TA5245	OCEAN PACIFIC INTERNATIONAL TOURS & TRAVEL PTY LTD		
2TA5485	OCEAN SPIRIT TRAVEL PTY LTD		
2TA5248	OCEANIA TOUR SERVICE PTY LTD		
2TA5452	OCEANS ALIVE PTY LTD		
2TA5304	OCTOPUSTRAVEL.COM (AUSTRALIA) PTY LTD		
2TA003541	OGDENS TRAVEL PTY LTD		
2TA001682	OLAQUEST PTY LTD		INGLEBURN TRAVEL CENTRE
			TRAVELSCENE AT SOUTH WEST
			TRAVEL
			CRESTVIEW TRAVEL
2TA5025	OLCAYTO	OZLEM	HARVEY WORLD TRAVEL
2TA003017	OLIVER	KENNETH	(NAMBUCCA)
		GEORGE	HARVEY WORLD TRAVEL
2TA003078	OLIVER	MARGARET	(NAMBUCCA)
		LORRAINE	
2TA002856	OLIVERI'S RELAXAWAY TOURS & TRAVEL PTY LTD		

2TA001317	OLYMPIA WORLD TRAVEL PTY LTD		SPLENDOR HOLIDAYS OLYMPIA HOLY LAND TOURS
2TA000776	OLYMPIC AIRWAYS SA		
2TA5259	ONE FISH TWO FISH PTY LTD		
2TA003163	ONG	VAN HUNG	VINA WORLD TRAVEL
2TA5063	ONG	JULIA HUA	AUSTIME TRAVEL SERVICE
2TA5064	ONG	GARRY TAT-LIAM	AUSTIME TRAVEL SERVICE
2TA002927	ORANA COACHES PTY LTD		
2TA4888	ORIENT EXPRESS HOLIDAYS PTY LTD		
2TA4429	ORIENT EXPRESS TOUR & TRAVEL SERVICES PTY LTD		
2TA002516	ORIENT EXPRESS TRAVEL SERVICE (NSW) PTY LTD		
2TA003335	OSTAQUARTZ PTY LTD		TRAVELSCENE HAY
2TA5292	OTC TRAVEL PTY LTD		SYDNEY INTERNATIONAL TRAVEL CENTRE
2TA000970	OVERSEAS (LMD) TRAVEL SERVICE PTY LTD		
2TA002754	OVERTEX PTY LTD		HARVEY WORLD TRAVEL LAKE HAVEN HARVEY WORLD TRAVEL - TUGGERAH TRAVELSCENE WAHROONGA
2TA001206	OWGLOSS PTY LTD		
2TA4448	OXFORD TRAVEL (ANDREW VASS GROUP) PTY LTD		
2TA003766	OXLEY TRAVEL PTY LTD		
2TA003354	OZ INTERNATIONAL PTY LTD		OZ CULTURAL TOURS TAIWAN TRAVEL SERVICE
2TA5212	OZINDAH TOUR & TRAVEL PTY LTD		
2TA5201	OZJOY PTY LTD		JETSET NOWRA
2TA4965	P & O AUSTRALIAN RESORTS PTY LTD		
2TA5435	P & O PRINCESS CRUISES INTERNATIONAL LTD		P & O CRUISES
2TA002825	P G TOURS AUSTRALIA PTY LTD		
2TA003250	P T GARUDA INDONESIA LTD		
2TA5047	PACIFIC GREEN TOURS PTY LTD		TOURLAND
2TA4283	PALENZUELA	NELLIE DAVID	WORLDLINK HOLIDAYS
2TA004128	PALMRAFT PTY LTD		JETSET TRAVEL WOLLONGONG
2TA4368	PAN CONTINENTAL TRAVEL PTY LTD		I TRAVEL PROFESSIONAL
2TA000763	PAN PACIFIC TRAVEL (AUSTRALIA) PTY LTD		PAN PACIFIC INCENTIVE SERVICES
2TA003867	PAN WORLD TRAVEL PTY LTD		
2TA003939	PARCELS INTERNATIONAL PTY LTD		CONTAL TRAVEL
2TA5399	PARIKH	VIKASH KUMAR	TAJ TRAVEL SERVICE
2TA001765	PARISI TRAVEL PTY LTD		
2TA5197	PARKER	CHRISTOPHER ROBERT	AUZEALAND TOURS
2TA5339	PARSONS TRAVEL PTY LTD		HARVEY WORLD TRAVEL (WAUCHOPE) HARVEY WORLD TRAVEL (PORT MACQUARIE) PATGAY TRAVEL AGENT HARVEY WORLD TRAVEL (MAROUBRA)
2TA000269	PATGAY PTY LTD		
2TA003449	PATRICIA DAVIE PTY LTD		
2TA000676	PATRIS TRAVEL PTY LTD		
2TA5454	PAVLETIC	DIANNE	TRAVEL AND TRADE BEST & LESS TRAVEL
2TA4244	PAYLESS FLIGHT CENTRE PTY LTD		
2TA000360	PBT TRAVEL PTY LTD		
2TA002952	PEARCE	DAVID GEORGE	FIGTREE TRAVEL CENTRE TRAVELSCENE DAPTO TRAVELSCENE DAPTO FIGTREE TRAVEL CENTRE TRAVELSCENE DAPTO TRAVELSCENE DAPTO PEARCE COACHES
2TA002953	PEARCE	ANNE-MARIE	
2TA001229	PEARCE OMNIBUS PTY LTD		
2TA003942	PEREGRINE ADVENTURES PTY LTD		
2TA001755	PERFECT TRAVEL PTY LTD		
2TA5434	PERFORMANCE INCENTIVES PTY LTD		PERFORMANCE INCENTIVES
2TA002925	PETER MILLING (TRAVEL) PTY LTD		
2TA5499	PETER PAN'S BACKPACKER ADVENTURE TRAVEL PTY LTD		PETER-PANS BACKPACKER-LAND
2TA002725	PETRITSIS	DENNIS	DENNY'S TRAVEL CENTRE

2TA003585	PHAN DAM	HELEN HUE	FIVE STAR WORLD TRAVEL
2TA003008	PHIL TRAVEL SERVICE PTY LTD		
2TA003700	PHILIPPINE HOLIDAYS (NSW) PTY LTD		PHILIPPINE HOLIDAYS
2TA4468	PHU	CINDY	CINDY PACIFIC TRAVEL
2TA5024	PIERI	ROBERT	INTERNET BAKPAK TRAVEL
2TA004083	PILTONE PTY LTD		NATIONAL WORLD TRAVEL-BALGOWLAH
2TA003823	PINE	ROBERT ARTHUR	SUMMERLAND COACHES
2TA003824	PINE	SHAREE ELLEN	SUMMERLAND COACHES
2TA002973	PINETREES LORD HOWE ISLAND TRAVEL PTY LTD		PINETREES TRAVEL
2TA002974	PINPOINT TRAVEL GROUP PTY LTD		VISA TRAVEL HOTLINE
			UNITED VACATIONS
			ROSIE HOLIDAYS
			TRAVEL HOTLINE
			ALTITUDE DIRECT
			FREESTYLE HOLIDAYS
2TA4629	PIRANI	CATHERINE ANITA	BELLINI TRAVEL
2TA4630	PIRANI	DAVID	BELLINI TRAVEL
2TA003415	PITT STREET TRAVEL PTY LTD		
2TA4361	POINT TO POINT TRAVEL PTY LTD		
2TA4704	POPULAR TRAVEL SERVICE PTY LTD		
2TA000831	PORT MACQUARIE TRAVEL AGENCY PTY LTD		CAMDEN HAVEN TRAVEL
			SETTLEMENT CITY TRAVEL
2TA001484	PORT STEPHENS BUSES (TRAVEL) PTY LTD		
2TA4698	POTTER	SUSAN GAYE	THE AFRICA SAFARI CO.
2TA5061	PREMIER WORLD TRAVEL PTY LTD		TRAVEL KNOW HOW
			GLADESVILLE FLIGHT AND HOLIDAY CENTRE
			SOLO VOYAGER HOLIDAYS
			TRAVEL KNOW HOW
			SOLO VOYAGER HOLIDAYS
			NATIONAL WORLD TRAVEL
			GOULBURN
			TRAVEL WORLD GOULBURN
			KOREA EXPERIENCE TOURS
			JAPAN HOTEL RESERVATIONS
			JAPAN EXPERIENCE TOURS
			HAYMAN RESORT
			GREAT WAY TRAVEL
			PHARMACY ALUMNI TRAVEL
			WORLDSTAR TRAVEL
			MEDICAL WORLD TRAVEL
			GUILD TRAVEL
			LEA'S WORLD TRAVEL
			TRAVELWORLD TURRAMURRA
			TRAVELWORLD CASTLE HILL
			TRAVELWORLD PENRITH
			TRAVELWORLD RICHMOND
2TA3204	PRODOMOU	HARICLEA	
2TA4464	PROFIT PROFILES PTY LTD		
2TA5001	PROTOCOL ENTERPRISES PTY LTD		
2TA4469	PRYMER TOUR SERVICES PTY LTD		
2TA5137	PUNT INVESTMENTS PTY LTD		
2TA003042	PURTILL	NEVILLE	HARVEY WORLD TRAVEL (LEETON)
		RAYMOND	PURTILLS COACH TOURS AND TRAVEL SERVICES
2TA003633	Q T TRAVEL PTY LTD		DIPLOMA WORLD TRAVEL SERVICE
2TA000237	QANTAS AIRWAYS LTD		
2TA003004	QANTAS HOLIDAYS LTD		QANTAS AUSTRALIAN HOLIDAYS
			QANTAS JETABOUT HOLIDAYS
			VIVA! HOLIDAYS
			JETABOUT HOLIDAYS
			JETABOUT
			QFHOLS
			QFHOLIDAYS
2TA5505	QUARMBY	RHONDA LEE	OAK FLATS TRAVEL CENTRE
2TA5506	QUARMBY	DAVID CHARLES	OAK FLATS TRAVEL CENTRE
2TA4798	R & G PEARSON PTY LTD		HARVEY WORLD TRAVEL - TORONTO
			HARVEY WORLD TRAVEL - KOTARA
2TA4794	R G B TRAVEL PTY LTD		JETSET TRAVEL CASTLE HILL
2TA5231	RAINBOW DREAM TOURS PTY LTD		
2TA5050	RAKSO AUSTRALIA PTY LTD		

2TA002598	RAMSGATE TRAVEL SERVICE PTY LTD		
2TA4983	RCW HOLDINGS PTY LTD		MOBILE TRAVEL SERVICE AUSTRALIAN ANDEAN ADVENTURES ANTARCTIC HORIZONS
2TA001820	REACTION TRAVEL PTY LTD		
2TA001594	REHO TRAVEL (AUSTRALIA) PTY LTD		
2TA5069	REID	JONATHAN JAMES	MANLY INTERNET AND TRAVEL CENTRE
2TA001493	RELIANCE TRAVEL PTY LTD		
2TA4460	REMON PTY LTD		
2TA5129	RETAIL TRAVEL INVESTMENTS PTY LTD		HARVEY WORLD TRAVEL (MOSMAN) TRAVEL ADVANTAGE EASTGARDENS HARVEY WORLD TRAVEL (ARMIDALE) TRAVELSCENE REVESBY
2TA003705	REVESBY TRAVEL PTY LTD		
2TA5092	RHONDARAY PTY LTD		
2TA5401	RICHMOND VALLEY TRAVEL PTY LTD		
2TA002615	RITCHIES EXPLORER TOURS PTY LTD		
2TA000935	RIVERINA WORLD TRAVEL PTY LTD		
2TA000015	RIX	WILLIAM ERIC KEVIN	HAWKESBURY TRAVEL
2TA4764	ROAD RUNNER TOURS WYONG PTY LTD		
2TA5408	ROAD TOUR & TRAVEL PTY LTD		
2TA5465	ROAD TRIP MEDIA PTY LTD		
2TA000282	ROBERT PAXTON (TRAVEL) PTY LTD		PAXTON TRAVEL BALI INDONESIAN TOURS
2TA4985	ROBERTS	DOROTHY	
2TA002794	ROBIN BELL PTY LTD		
2TA4773	ROBINSON	KAAREN LAUNA	CENTRAL COAST TRAVEL BELLINGEN WORLD TRAVEL ALL AIRLINE RESERVATIONS AND TICKETING TRAVELSCENE ROSELANDS WONDERLAND TRAVEL FAIRFIELD HARVEY WORLD TRAVEL (BYRON BAY)
2TA4466	RODNEY'S TRAVEL SOLUTIONS PTY LTD		
2TA003207	ROKACA PTY LTD		
2TA5407	ROLAND TRAVEL SERVICE PTY LTD		
2TA5488	ROSEDALE TRAVEL SERVICES PTY LTD		
2TA004090	ROSENBLUTH INTERNATIONAL LTD		
2TA4431	ROSS GARDEN TOURS INTERNATIONAL PTY LTD		
2TA003290	ROSSBERG HOLDINGS PTY LTD		DIANNA'S TRAVEL SERVICE WONDERLAND TRAVEL
2TA000839	ROTONDA WORLD TRAVEL SERVICE PTY LTD		
2TA000132	ROVER MOTORS PTY LTD		ROVER MOTORS TRAVEL CENTRE ROVER COACHES CESSNOCK BUS LINES
2TA5008	ROYAL HOLIDAYS TRAVEL PTY LTD		
2TA5472	RUTHERFORD	WAYNE	BUDGET TRAVEL (TWEED HEADS)
2TA5473	RUTHERFORD	TRISH	BUDGET TRAVEL (TWEED HEADS)
2TA001054	RYAN	CECILE	TRAVELSCENE TWEED HEADS TWIN TOWNS SERVICES CLUB TRAVEL
2TA002241	RYAN	DALLAS PATRICK	TRAVELSCENE TWEED HEADS TWIN TOWNS SERVICES CLUB TRAVEL
2TA003305	RYAN	GERALD IGNATIUS	GOLD COUNTRY TOURS
2TA003306	RYAN	JENNIFER ANNE	GOLD COUNTRY TOURS RICHMOND TRAVEL CENTRE
2TA001969	RYLEA PTY LTD		
2TA4230	S & R TRAVEL PTY LTD		
2TA5365	S A H INTERNATIONAL TRADING PTY LTD		TRAVEL FAST INTERNATIONAL
2TA5432	S K INTERNATIONAL CULTURE EXCHANGE PTY LTD		S K TRAVEL
2TA001112	S T A TRAVEL PTY LTD		S T A TRAVEL
2TA5036	SABHLOK	LYNDEN	BAY WORLD TRAVEL
2TA001701	SABRA TRAVEL PTY LTD		
2TA003536	SADELLE PTY LTD		HARVEY WORLD TRAVEL (BROKEN HILL)
2TA003192	SAFWAT	ARFAN SAYED	ALL SEASONS TRAVEL

2TA4420 2TA5475	SAINTEN PTY LTD SALCEDO QUISPE	MARIO ALEJANDRO FEUPE	MBL TRAVEL CENTRE GO LATIN AMERICA
2TA5037 2TA001185	SALCRUZ PTY LTD SAMSUN PTY LTD		DESIGNER TRAVEL HARVEY WORLD TRAVEL (REVESBY)
2TA000879 2TA4252	SAN MICHELE TRAVEL PTY LTD SANFORD INTERNATIONAL TRAVEL PTY LTD		
2TA5495	SANKI TRAVEL PTY LTD		SANKI TRAVEL TINGHA TRAVEL
2TA002999 2TA4589 2TA001184 2TA001811	SAPUPPO SARTOR SAVIC SCANDINAVIAN AIRLINES SYSTEM DENMARK NORWAY SWEDEN	MARY ELIZABETH LINDA EILEEN BOZIDAR	OVERSEAS EXPRESS TRAVEL AVANTI TRAVEL COFFS HARBOUR SAVIC'S TRAVEL CENTRE
2TA002633	SCENIC TOURS PTY LTD		AUSTRALIAN SCENIC WORLD SCENIC TRAVEL OUTBACK ADVENTURE TOURS AUSTRALIAN FELLOWSHIP TOURS OUTBACK EXPLORER TOURS WARRNAMBOOL SCENIC TOURS AUSTRALIAN SCENIC SPORTS EVERGREEN TOURS TRAVELSCENE KIAMA KIAMA TRAVEL SERVICE HARVEY WORLD TRAVEL (SCONE)
2TA002563	SCOMETAL PTY LTD		
2TA000973 2TA4622 2TA4623 2TA4683	SCONE TRAVEL PTY LTD SCOTT SCOTT SEALANDAIR TRAVEL CONSULTANTS PTY LTD	KEITH DAVID ANN-MAREE	
2TA001452	SEALIFE INTERNATIONAL PTY LTD		DIVE PRO DIVE TRAVEL PRO-DIVE TRAVEL HAPPY HOLIDAY & TRAVEL CENTRE
2TA002984	SEALUM PTY LTD		EXPOTEL EXECUTIVE TRAVEL KEITH PROWSE TOURS KEITH PROWSE ENTERTAINMENT TRAVEL KEITH PROWSE SPORTS SEKIDO TOUR AUSTRALIA
2TA002560	SEATEM TRAVEL PTY LTD		
2TA5119 2TA4523 2TA5237	SEKIDO ENTERPRISES PTY LTD SELC TOURS PTY LTD SELECT TRAVEL SPECIALISTS PTY LTD		
2TA5219 2TA001591	SELECT-WORLD PTY LTD SELWOODS TRAVEL LISMORE PTY LTD		SELECT TOURS AUSTRALIA HARVEY WORLD TRAVEL (LISMORE)
2TA003917 2TA5510	SENIOR TOURS PTY LTD SERENDIPITY JOURNEYS PTY LTD		SERENDIPITY JOURNEYS NATURE TRAILS NORDIC TRAVEL TRAX TRAVEL
2TA002582 2TA5185 2TA4335 2TA003688 2TA003550	SEWAH INTERNATIONAL PTY LTD SHEARS SHELDRIK SHELLBALL PTY LTD SHELLRIFT PTY LTD	JULIE MARIE PHILIP JAMES	INHOUSE TRAVEL SERVICE WESTERN PLAINS TRAVEL HARVEY WORLD TRAVEL (BALLINA)
2TA003749 2TA003750 2TA4360 2TA5283	SHERACK SHERACK SHILLALAE PTY LTD SHOW GROUP ENTERPRISES PTY LTD	GINA ANNETTE ROBERT JOHN	TRAVELSCENE CAMDEN TRAVELSCENE CAMDEN TRAVELSCENE TUNCURRY SHOWSPORT
2TA5400 2TA001456	SHUMISTONE HOLDING PTY LTD SID FOGG'S TRAVEL WORLD PTY LTD		FAIRWAY TRAVEL CENTRE
2TA002963 2TA004042 2TA003722	SIECLE PTY LTD SILKE'S TRAVEL PTY LTD SILRIFT PTY LTD		LORRAINES HOUSE OF TRAVEL
2TA5208 2TA4695 2TA000314 2TA4455 2TA001674 2TA001680	SIMCOTT PTY LTD SINACORI SINGAPORE AIRLINES LTD SINTUPANUTS SIX CONTINENTS TRAVEL PTY LTD SIYULI PTY LTD	MARISA SARA SUTTHIDA	2M TRAVEL IPANEMA TOURS HARVEY WORLD TRAVEL (ERINA) MARISA'S TRAVEL AGENCY GLOBAL AFFAIR DETOUR HOLIDAYS HARVEY WORLD TRAVEL (WEE)

			WAA) HARVEY WORLD TRAVEL (NARRABRI) NAMOI TRAVEL SERVICE HARVEY WORLD TRAVEL (WEE WAA)
2TA4524	SKYLIFE TRAVEL PTY LTD		
2TA003194	SKYLINK TRAVEL PTY LTD		
2TA4525	SKYWAY TRAVEL INTERNATIONAL PTY LTD		
2TA003675	SLIMNICANOVSKI	TOM (METODIA)	UNIVERSAL FLIGHT CENTRE TRAVBIZ
2TA4410	SMARK TRAVEL PTY LTD		
2TA003951	SMILE INTERNATIONAL TRAVEL & TRADE PTY LTD		SMILE CITY TRAVEL
2TA004138	SMITH	BRIAN VINCENT	SMILE INTERNATIONAL HARVEY WORLD TRAVEL (KYOGL)
2TA4821	SMYTH	ROBERT GRAEME	HARVEY WORLD TRAVEL (MENAI) HARVEY WORLD TRAVEL FORSTER
2TA4822	SMYTH	LAUREN MELVA	HARVEY WORLD TRAVEL (MENAI) HARVEY WORLD TRAVEL FORSTER
2TA004121	SNOWAVE PTY LTD		SNOWAVE TRAVEL
2TA4437	SNOWED INN PTY LTD		SNOWY RIVER TRAVEL KOSCIUSKO ACCOMMODATION CENTRE SKIONE SKI KAOS AIR FRANCE
2TA004043	SNOWTIME TOURS PTY LTD		JJ AUSTRALIA TRAVEL CENTRE CO
2TA000230	SOCIETE AIR FRANCE		
2TA004165	SONG	JIM BING HE	
2TA5211	SONTHORPE PTY LTD		
2TA4517	SOUPIDIS	JEAN	BLUE DOLPHIN TRAVEL AUSTRALIAN HOLIDAY CENTRE RAIL HOLIDAY CENTRE SOUTH AUSTRALIAN TRAVEL CENTRE
2TA4775	SOUTH AUSTRALIAN TRAVEL CENTRES PTY LTD		
2TA000948	SOUTH SYDNEY TRAVEL PTY LTD		
2TA004122	SOUTH WEST PACIFIC PTY LTD		NATIONAL WORLD TRAVEL - ULTIMO
2TA003559	SOUTHERN CROSS TRAVEL PTY LTD		
2TA4686	SOUTHERN CROSS UNIVERSITY UNION LTD		
2TA003557	SOUTHERN SKY TRAVEL PTY LTD		
2TA4685	SOUTHERN TRAVELNET PTY LTD		
2TA4238	SOUTHERN WINGS (AUSTRALIA) PTY LTD		
2TA4583	SOUTHERN WORLD VACATIONS (AUST) PTY LTD		
2TA003714	SPARKFORD PTY LTD		JETSET TRAVEL CAMPBELLTOWN
2TA4993	SPECTRA TRAVEL PTY LTD		
2TA4829	SPENCER TRAVEL PTY LTD		OZE BRIDE SPORTS TRAVEL
2TA5075	SPORTS TRAVEL PTY LTD		
2TA5217	SPORTSWORLD PACIFIC PTY LTD		
2TA4518	SPREE HOLIDAYS PTY LTD		GOLDEN HOLIDAYS BREAK FREE PROMOTIONS TRAVEL BREAKFREE HOLIDAYS & TRAVEL MALAYSIA GOLDEN HOLIDAYS ONLINE TRAVEL SPREE COMPANION HOLIDAYS CLUB 55 HARVEY WORLD TRAVEL (BATHURST)
2TA001882	SPRINGSHORE PTY LTD		
2TA5392	ST CLAIRE	BRENDA MAREE	
2TA001051	ST LEONARDS TRAVEL CENTRE PTY LTD		ST LEONARDS FLIGHT CENTRE ST LEONARDS TRAVEL JETSET ALSTONVILLE
2TA004176	STABU PTY LTD		
2TA4363	STAGE & SCREEN TRAVEL & FREIGHT SERVICES PTY LTD		
2TA003640	STANCZYK	BOGUSLAW	ORBIS EXPRESS
2TA002733	STANDARD INTERNATIONAL TRAVEL PTY LTD		
2TA003764	STAR FARES PTY LTD		
2TA5236	STAR INTERNATIONAL TRAVEL PTY		

2TA004060	LTD STAR THAI TRAVELS PTY LTD		
2TA000227	STARPAX PTY LTD		MARY ROSSI TRAVEL MARY ROSSI INTERNATIONAL
2TA003277	STEWART	ANDREW MURRAY	STEWARTS TOURS & TRAVEL
2TA003278	STEWART	STEPHEN	STEWARTS TOURS & TRAVEL
2TA5332	STONESTREET	KERIN LOUISE	
2TA4471	STUART'S TRAVEL PTY LTD		
2TA003838	STUDENT UNI TRAVEL PTY LTD		EXPERIENCE TRIPS
2TA004175	SU	CHAN CUONG	NICE ADVENTURE TRAVEL
2TA5469	SULLIVAN	AMANDA JANE	DYNAMIC TRAVEL GROUP
2TA5470	SULLIVAN	JOHN MICHAEL	DYNAMIC TRAVEL GROUP
2TA5184	SUN RIVER TOURS PTY LTD		
2TA003661	SUNCONE PTY LTD		SUNCONE TRAVEL & TOURS
2TA000718	SUNFLOWER TRAVEL PTY LTD		NORTHBRIDGE TRAVEL
2TA001910	SUNHAVEN COURT PTY LTD		3D TRAVEL
2TA5413	SUNLAND HOLIDAYS PTY LTD		
2TA004081	SUNNY WORLD TRAVEL PTY LTD		
2TA4910	SUNRISE GLOBAL GROUP PTY LTD		TRAVELWORLD HURSTVILLE
2TA5214	SUNSHINE AUSTRALIA TRAVEL PTY LTD		
2TA4988	SUNSHINE TRAVEL PTY LTD		
2TA5040	SWANSEA TRAVEL PTY LTD		TRAVELSCENE SWANSEA
2TA000320	SWIRE TRAVEL PTY LTD		
2TA4708	SYDNEY FLYING EAGLE INTERMODAL TRANSPORTATION COMPANY PTY LTD		GREAT WORLD TRAVEL
2TA003276	SYDNEY SEA & AIR CENTRE PTY LTD		
2TA002928	SYMES	GREGORY BRUCE	SYMES BUS SERVICE
2TA002929	SYMES	CLARA JEAN	SYMES BUS SERVICE
2TA002930	SYMES	RAYMOND LESLIE	SYMES BUS SERVICE
2TA002931	SYMES	FREDERICK GEORGE	SYMES BUS SERVICE
2TA5303	SYNERGI TRAVEL AUSTRALIA PTY LTD		
2TA000569	SZOZDA	ANDREW MIECZYSLAW	MAGNA CARTA TRAVEL
2TA5348	T D & M J JOYCE PTY LTD		MARINER BOATING
2TA5222	T N C CONSULTING PTY LTD		GOLFING HOLIDAYS WORLDWIDE
2TA5115	T S T AUSTRALIA TOURS PTY LTD		T S T AUSTRALIA TOURS
2TA003433	TADROS TRAVEL SERVICE PTY LTD		
2TA001491	TAFFS TRAVEL PTY LTD		TRAVEL IN FASHION
2TA5239	TAIBA	ABEER	AL MADINNAH TRAVEL
2TA001784	TALOMO PTY LTD		
2TA001345	TALPACIFIC HOLIDAYS SYDNEY PTY LTD		COOK ISLANDS TOURIST CENTRE HAWAIIAN ISLAND TOURIST CENTRE NORFOLK ISLAND HOLIDAY SPECIALISTS SOLOMON ISLANDS TOURIST CENTRE DISCOVER FIJI ISLAND SPECIALIST HOLIDAYS NORFOLK ISLAND BOOKING CENTRE NORFOLK ISLAND TOURIST CENTRE SAMOAN ISLANDS TOURIST CENTRE PACIFIC ISLANDS TRAVEL CENTRE TONGA ISLANDS TOURIST CENTRE LORD HOWE ISLAND HOLIDAYS LORD HOWE BOOKING OFFICE PACIFIC & LORD HOWE ISLAND TOURIST CENTRE FREE 'N EASY HOLIDAYS FIJI INFORMATION CENTRE CVT TRAVEL
2TA003378	TAMA	CHARLES VINCENT	
2TA4479	TAMWORTH BUSINESS TRAVEL PTY LTD		HARVEY WORLD TRAVEL (TAMWORTH)
2TA001828	TAPA TOURS PTY LTD		BLUE LAGOON CRUISES
2TA003857	TARA HOLIDAYS SYDNEY PTY LTD		TRAVEL QUEEN HOLIDAYS
2TA5241	TAYLOR	SANDRA LESLEY	B D C U TRAVEL SERVICE
2TA4700	TAYLOR MADE TOURS PTY LTD		



2TA003027	TAYLOR MADE TRAVEL PTY LTD		TAYLOR MADE TRAVEL TRAVELSCENE TMT
2TA003281	TELFORD EDUCATIONAL TOURS PTY LTD		
2TA001005	TELSTAR TRAVEL SERVICES PTY LTD		TELSTAR GROUP & CONVENTION SERVICES
2TA003597	TEMPLE TRAVEL PTY LTD		
2TA003555	TERRA AUSTRALIS TOURS PTY LTD		TERRA AUSTRALIS TRAVEL SERVICE ONF TOURS
2TA4979	TERRA PTY LTD		
2TA001645	TERRA TRAVEL INTERNATIONAL PTY LTD		
2TA4906	TESTA	MARIO	SATLITE TRAVEL
2TA000500	THAI AIRWAYS INTERNATIONAL PUBLIC COMPANY LTD		THAI INTERNATIONAL THAI AIRWAYS INTERNATIONAL EXPLORE THAILAND ROYAL ORCHID HOLIDAYS HIMALAYAN EXCURSIONS HIMALAYAN EXCURSIONS
2TA4417	THATCHER	MERVYN JAMES	
2TA4418	THATCHER	ELIZABETH	
2TA5068	THE AUSTRALIAN OUTBACK TRAVEL COMPANY PTY LTD		
2TA003464	THE AUSTRALIAN TRAVEL & TRADING COMPANY PTY LTD		
2TA003990	THE BROKEN HILL LEGION CLUB LTD		BROKEN HILL'S OUTBACK TOURS
2TA003487	THE COSTLESS TRAVEL & TOUR DISCOUNTS PTY LTD		
2TA5328	THE EASTWOOD TRAVEL SHOP PTY LTD		
2TA4482	THE FIRST CHALLENGE PTY LTD		TRAVEL KYOWA-KOKU
2TA4540	THE FUNKHOUSE PTY LTD		
2TA003929	THE GLOBAL CONNECTION PTY LTD		TRAVEL BUG.NET.AU
2TA001138	THE HOLIDAY TRAVEL SHOPPE PTY LTD		
2TA5481	THE IMPULSE TRAVEL GROUP PTY LTD		
2TA001579	THE JOURNEY MASTERS PTY LTD		
2TA001195	THE JUNCTION TRAVEL (NCLE) PTY LTD		HARVEY WORLD TRAVEL (THE JUNCTION)
2TA001691	THE JUNCTION TRAVEL PTY LTD		
2TA003492	THE MDM MARKETING GROUP PTY LTD		RESORT MARKETING
2TA5513	THE PETER RANDALL TRAVEL COMPANY PTY LTD		BLUE FULL SERVICE TRAVEL CRUISES TOURS
2TA5443	THE SURF TRAVEL COMPANY PTY LTD		
2TA003392	THE TRAVEL BROKERS (AUST) PTY LTD		THE CRUISE BROKERS
2TA000561	THE TRAVEL CENTRE PTY LTD		JETSET TRAVEL COFFS HARBOUR
2TA4481	THE TRAVEL COMPANY (NSW) PTY LTD		
2TA5414	THE TRAVEL SERVICE CENTRE PTY LTD		
2TA4825	THE TRAVELSPIRIT GROUP LTD		EXPLORE HOLIDAYS TRAVEL IMPRESSIONS THE AFRICAN TRAVELLER VENTURE HOLIDAYS
2TA5501	THE ULTIMATE TRAVELLER PTY LTD		
2TA4486	THE WORLD TRAVEL CLUB PTY LTD		
2TA5388	THINK ADVENTURE PTY LTD		
2TA003889	THOM	JAMES CRUICKSHANK	TRAVELSCENE BAULKHAM HILLS BAULKHAM HILLS TRAVEL (SYDNEY)
2TA002987	THOMAS' COACH TOURS PTY LTD		
2TA4578	THOMPSON	ANN ELIZABETH	SPORTEX TRAVEL
2TA004058	THOMPSON	ROSALIND ANN	HARVEY WORLD TRAVEL (GUNNEDAH) GUNNEDAH TRAVEL AGENCY TRAVELSCENE ORANGE
2TA5058	THORNBERRY	ROBERT JOHN	
2TA4796	THORNTON TRAVEL PTY LTD		
2TA4408	THREDBO RESORT CENTRE PTY LTD		THREDBO RESORT CENTRE FLIGHTBIZ
2TA5267	TIBURON TECHNOLOGY PTY LTD		
2TA5351	TIME INTERNATIONAL TRAVEL PTY LTD		
2TA001708	TIMOTHY MCMAHON ASSOCIATES PTY LTD		

2TA4733	TINK	KATHRYN DELL	HARVEY WORLD TRAVEL (COONABARABRAN) TIP TOP TRAVEL SERVICE TRAVELMODE INTERNATIONAL
2TA4428	TIP TOP TRAVEL SERVICE PTY LTD		
2TA5221	TMODE PTY LTD		
2TA4976	TOBARAOI TRAVEL PTY LTD		
2TA001891	TODIKI PTY LTD		TRAVELAND MERRYLANDS TRAVELWAYS AUSTRALIA HOPPIE'S TOURS TRAVELAND WOY WOY & TRAVELAND GOSFORD TRAVELWORLD GOSFORD TRAVELWORLD WOY WOY
2TA001833	TONY ARICO'S TRAVEL PTY LTD		
2TA5101	TOORAK TRAVEL PTY LTD		
2TA002742	TOP TRAVEL PTY LTD		TRAVELSCENE PADSTOW
2TA5341	TOPFAIR GROUP PTY LTD		
2TA001422	TORONA PTY LTD		ANYWHERE TRAVEL ANYWHERE TRAVEL CBD ANYWHERE TRAVEL CBD
2TA000521	TORONTO BUS SERVICES PTY LTD		
2TA5276	TOTAL TRAVEL CONCEPTS PTY LTD		HARVEY WORLD TRAVEL ROCKDALE PLAZA
2TA4325	TOUR ENTERPRISES PTY LTD		
2TA001144	TOUR HOSTS PTY LTD		CONFERENCE INTERPRETER SERVICES TOUR HOSTS DESTINATION MANAGEMENT PACIFIC EXPERIENCE D M C
2TA4539	TOURNET AUSTRALIA PTY LTD		
2TA002872	TOVELO PTY LTD		
2TA003016	TRABOULSI	OUSSAMA	JUSTMEG TRAVEL CONSULTING
2TA003232	TRABOULSI	MASAKO UEDA	
2TA5228	TRADE TRAVEL PTY LTD		CLUB TRAVEL
2TA001494	TRADE WIND TRADING CO PTY LTD		TRADE WIND TRAVEL AGENCY
2TA4668	TRADELINER TRAVEL PTY LTD		OURWORLD TRAVEL WOLLONGONG T S A TRAVEL
2TA5330	TRADELINK SERVICES AUSTRALIA PTY LTD		
2TA001889	TRAFALGAR TOURS (AUST) PTY LTD		
2TA001031	TRAFALGAR TRAVEL (AUSTRALIA) PTY LTD		
2TA003936	TRAIKTONE PTY LTD		HARVEY WORLD TRAVEL (CARLINGFORD) TRAILFINDERS (AUSTRALIA)
2TA4723	TRAILFINDERS (AUSTRALIA) PTY LTD		
2TA001832	TRANS AM TRAVEL PTY LTD		
2TA5151	TRANS MED TRAVEL PTY LTD		TRANS CHARTER DIRECTOURS AUSTRALIA NAVI TOUR TRAVEL TARZAN TURKISH TRAVEL SERVICES TRANS TURK TRAVEL
2TA002688	TRANS ORBIT PTY LTD		
2TA001318	TRANS TURK TRAVEL SERVICES PTY LTD		
2TA000626	TRANSGLOBAL TRAVEL SERVICE PTY LTD		
2TA4855	TRANSHemisPHERE PTY LTD		STARLIGHT TOURS
2TA5404	TRAVBIZ INTERNATIONAL PTY LTD		TRAVBIZ INTERNATIONAL
2TA5317	TRAVCOM INTERNATIONAL TRAVEL PTY LTD		CONCORDE VFR INTERNATIONAL
2TA5516	TRAVEL & LEISURE PTY LTD		
2TA4343	TRAVEL & TOURISM MARKETING CONSULTANTS PTY LTD		TIMELESS TOURS & TRAVEL
2TA4563	TRAVEL & TRAVEL PTY LTD		
2TA001406	TRAVEL ACTION PTY LTD		
2TA4827	TRAVEL AIR INTERNATIONAL PTY LTD		
2TA5274	TRAVEL BEYOND PTY LTD		
2TA5479	TRAVEL BLITZ PTY LTD		TRAVEL BLITZ
2TA001445	TRAVEL BUSINESS SERVICES PTY LTD		GLOBAL CREATIVE EVENTS
2TA4876	TRAVEL CENTRE INTERNATIONAL PTY LTD		
2TA003218	TRAVEL CENTRE SUSSEX PTY LTD		SUSSEX INLET TRAVEL
2TA003723	TRAVEL CHOICE PTY LTD		MOSMAN CRUISE CENTRE
2TA001096	TRAVEL CO PTY LTD		
2TA002713	TRAVEL COMPONENTS PTY LTD		INCA TOURS SOUTH AMERICA REALWORLD TRAVEL THE GOLD TOUR COMPANY

2TA003442	TRAVEL CONNECT PTY LTD		BANORA TRAVELWORLD
2TA004102	TRAVEL CREATIONS PTY LTD		
2TA4967	TRAVEL FIRST PTY LTD		
2TA5333	TRAVEL LINK INTERNATIONAL PTY LTD		
2TA004101	TRAVEL MART PTY LTD		TRAVEL-MART TOURS & TRAVEL
2TA003934	TRAVEL PERSPECTIVE PTY LTD		SYDNEY ADVENTURE CENTRE FLIGHT 'N' TRAVEL I. T. WORLDVENTURE AIRFARE-SPECIALS.COM THE ADVENTURE TRAVEL CENTRE THE HONEYMOON SPECIALISTS HARVEY WORLD TRAVEL (PARRAMATTA)
2TA5273	TRAVEL PLUS PTY LTD		
2TA4803	TRAVEL RESERVATIONS PTY LTD		
2TA003261	TRAVEL SEEKERS PTY LTD		
2TA003774	TRAVEL THE WORLD PTY LTD		TTW MARKETING
2TA003733	TRAVEL UNLIMITED INTERNATIONAL PTY LTD		G'DAY USA-UNITED STATES CULTURAL EXCHANGE AUSTRALIA CATHOLIC CULTURAL TOURS
2TA5307	TRAVEL WITH US PTY LTD		
2TA5003	TRAVEL WORLD (AUSTRALIA) PTY LTD		
2TA4656	TRAVEL.COM.AU LTD		
2TA5206	TRAVELATIONS PTY LTD		
2TA4949	TRAVELBOOKERS.COM PTY LTD		CRUISE EXPRESS INTERNATIONAL TRAVELBOOKERS
2TA003256	TRAVELBOX PTY LTD		
2TA003921	TRAVELCORP (AUST) PTY LTD		
2TA5090	TRAVELEDGE PTY LTD		TRAVELEDGE NEWCASTLE
2TA000658	TRAVELFORCE PTY LTD		
2TA5476	TRAVELGLIDE (AUSTRALIA) PTY LTD		
2TA5232	TRAVELINE INTERNATIONAL PTY LTD		
2TA000229	TRAVELINE PTY LTD		
2TA5031	TRAVELLERCENTRE INTERNATIONAL PTY LTD		
2TA5489	TRAVELLERS INFORMATION SERVICES PTY LTD		TRAVELLERS INFORMATION SERVICES
2TA003568	TRAVELLERS WORLD INTERNATIONAL PTY LTD		
2TA004048	TRAVELMAX PTY LTD		
2TA4982	TRAVELNET INTERNATIONAL (AUSTRALIA) PTY LTD		
2TA5394	TRAVELPAK TRAVEL SERVICES PTY LTD		
2TA000270	TRAVELPLAN AUSTRALIA PTY LTD		
2TA003629	TRAVELSCENE TICKETS PTY LTD		
2TA5062	TRAVELSTYLE PTY LTD		
2TA5135	TRAVELTICKET PTY LTD		
2TA004141	TRAVELTIX INTERNATIONAL PTY LTD		TRAVELTIX
2TA001962	TRAVELTOO PTY LTD		
2TA5372	TRAVELWAG PTY LTD		TRAVELWORLD WAGGA WAGGA ON COURSE TOURS & TRAVEL
2TA4591	TRAZPOUND PTY LTD		TRAVELWORLD GRIFFITH TRAVELWORLD GRIFFITH
2TA003971	TREFILO	ALFIO	
2TA003972	TREFILO	TRACY	
2TA003465	TRENDSETTER TRAVEL PTY LTD		
2TA5497	TRENDWEST SOUTH PACIFIC TRAVEL PTY LTD		
2TA4715	TRENSHORE PTY LTD		A & J TRAVEL CENTRE WORLD DISCOVERY HOLIDAYS TRAVELSCAPE GREECE2C.COM HARVEY WORLD TRAVEL MORISSET TWIN WINGS 2 AIR TRAVEL
2TA4885	TRIARCHON PTY LTD		
2TA5356	TRIMACC ENTERPRISES PTY LTD		
2TA003707	TRINH	DINH LOC	
2TA4950	TRIPLE O TRAVEL SERVICE PTY LTD		
2TA004193	TRIUMPH TOURS PTY LTD		
2TA004041	TRUEPLUM PTY LTD		
2TA001875	TRUONG	LAP QUOC	DISCERNING TRAVELLER WING SING TRAVEL M & J EXECUTIVE TRAVEL LESHAN TOURS JETSET TRAVEL EARLWOOD WORLD NETWORK TRAVEL
2TA002729	TRYABOUT PTY LTD		
2TA002935	TSANG	SOW YIN	
2TA002669	TUBOND PTY LTD		
2TA4884	TUCAN TRAVEL PTY LTD		
2TA5057	TURNER	SCOTT ANDREW	TRAVELSCENE ORANGE

2TA5309	TWOFOLD TRAVEL PTY LTD		
2TA003731	UMINA BEACH TRAVEL CENTRE PTY LTD		HARVEY WORLD TRAVEL (UMINA)
2TA001040	UNIQUE TRAVEL SERVICES PTY LTD		
2TA001843	UNITED AIRLINES INC		
2TA001666	UNITED TRAVEL (B H) PTY LTD		TRAVELWORLD BROKEN HILL
2TA5484	UNIVERSAL TRAVEL SERVICES PTY LTD		
2TA001584	UNIWORLD TRAVEL AND FREIGHT SERVICE PTY LTD		
2TA001869	URSULA KING TRAVEL PTY LTD		
2TA5172	V N ENTERPRISES PTY LTD		V N INTERNATIONAL TRAVEL
2TA4415	V TRAVEL CENTRES PTY LTD		TRAVELSCENE AT V TRAVEL SYDNEY
2TA003513	VALDARA PTY LTD		SAWTELL-TOORMINA TRAVEL SERVICE
2TA5395	VALENZ WORLD TRAVEL PTY LTD		
2TA003190	VALUE TOURS (AUST) PTY LTD		
2TA001072	VAN DA MONT & ASSOCIATES PTY LTD		UNIAO TRAVEL
2TA003938	VANATA PTY LTD		
2TA000411	VASSALIOS	ANDREW	CONTAL TRAVEL ANDREW VASS ANDREW VASS TRAVEL AGENCY
2TA002285	VASSALIOS	ELENA	ANDREW VASS TRAVEL AGENCY ANDREW VASS ONDA TRAVEL AGENCY
2TA003055	VEROZI PTY LTD		ATHINA TRAVEL AGENCY
2TA001964	VERTSETIS	ANTONIOS	TRAVELSCENE GRIFFITH
2TA003115	VIATOUR TRAVEL (INTERNATIONAL) PTY LTD		
2TA000469	VIATOUR TRAVEL PTY LTD		A T I TOURS
2TA5471	VIETNAM TOURIST SERVICES PTY LTD		
2TA003702	VIEWDAZE PTY LTD		BRAVO INTERNATIONAL HOLIDAYS BEYOND 2001 TRAVEL & TOURS BRAVO CONSOLIDATION BRAVO 4 TICKETS THE SKI & SNOWBOARD TRAVEL CO BOLAND'S TRAVEL
2TA5405	VIRTUALIT SERVICES PTY LTD		
2TA002808	VOCE PTY LTD		
2TA4974	VOYAGER TRAVEL CORPORATION PTY LTD		
2TA5054	VOYAGES HOTELS & RESORTS PTY LTD		
2TA5494	W C L TRAVEL PROFESSIONALS PTY LTD		
2TA4236	WADE	ROBERT JOHN GREGORY LISA ANN	WADES TRAVEL WADES TRAVEL JETSET WAHROONGA VILLAGE
2TA4237	WADE		
2TA5327	WAHROONGA VILLAGE TRAVEL PTY LTD		
2TA4389	WALES	LEONIE RUTH	WALES COACH TRAVEL AGENCY HARVEY WORLD TRAVEL (COOTAMUNDRA)
2TA000852	WALKER	ROBERT BRUCE	WALKER'S TRAVEL CENTRE
2TA002232	WALKER	TIMOTHY ROBERT BRUCE	WALKER'S TRAVEL CENTRE
2TA002704	WALL STREET TRAVEL PTY LTD		
2TA001225	WALLSEND TRAVEL SERVICE PTY LTD		TRAVELSCENE (WALLSEND)
2TA5343	WALSHES WORLD AGENCIES AUSTRALIA PTY LTD		WALSHES WORLD AGENCIES AUSTRALIA W & B TRAVEL CENTRE
2TA001059	WALTER INTERNATIONAL TRAVEL & TOURS PTY LTD		
2TA5209	WANDERERS TRAVEL.COM (N S W) PTY LTD		WANDERERS-TRAVEL.COM
2TA4250	WASTRECK PTY LTD		IMPERIAL TRAVEL
2TA4221	WATCHTOWER BIBLE AND TRACT SOCIETY OF AUSTRALIA		WATCHTOWER TRAVEL
2TA002655	WATTLELAND PTY LTD		
2TA4511	WAUGH	KATHLEEN MARY ALEC	THE BLUE SKIES PROJECT THE BLUE SKIES PROJECT CALL INCENTIVES
2TA4512	WAUGH		
2TA003775	WAYLAS PTY LTD		
2TA4235	WAYWIND PTY LTD		
2TA5406	WEIDE MAROSY CORP PTY LTD		A T S AUSTRALIAN TRAVEL SPECIALISTS N S W

2TA4224	WELL CONNECTED TRAVEL PTY LTD		BALTIC CONNECTIONS CORAL CONNECTIONS WELL CONNECTED TOURS WELLINGTON TRAVEL FIJI SPECIALIST HOLIDAYS SPORTSWELL TOURS AND TOURNAMENTS PACIFIC SPECIALIST HOLIDAYS NEW CALEDONIA SPECIALIST HOLIDAYS HAWAII SPECIALIST HOLIDAYS BALI SPECIALIST HOLIDAYS VANUATU SPECIALIST HOLIDAYS BLUE HORIZON HOLIDAYS
2TA000128	WELLINGTON SHIRE COUNCIL		
2TA001985	WELLS TRADING PTY LTD		
2TA4792	WENDY WU TOURS PTY LTD		
2TA001726	WENTWORTH TRAVEL PTY LTD		
2TA4423	WEST WYALONG TRAVEL PTY LTD		HARVEY WORLD TRAVEL (WEST WYALONG)
2TA001045	WESTERN MEDIA PROMOTIONS & TOURS PTY LTD		
2TA003894	WESTWOOD	PAUL HOWARD	CITY CENTRE TRAVEL SERVICE
2TA003895	WESTWOOD	CHRISTINE CHERRY LAURIS MARGARET GLENDA JOY HOWARD LONGLY TRACY	CITY CENTRE TRAVEL SERVICE  HARVEY WORLD TRAVEL (NAMBUCCA) JETSET TRAVEL BLUE MOUNTAINS JETSET TRAVEL BLUE MOUNTAINS
2TA003024	WHITE		
2TA002296	WHITEHOUSE		
2TA002297	WHITEHOUSE		
2TA4904	WHITLING		LAURIETON WORLD TRAVEL NAMBUCCA WORLD TRAVEL NAMBUCCA WORLD TRAVEL LAURIETON WORLD TRAVEL
2TA4905	WHITLING	GILBERT DAMIEN	
2TA5305	WICKED TRAVEL PTY LTD		
2TA5368	WICKS		
2TA004001	WIDEICE PTY LTD		
2TA4645	WIEDEMANN TRAVEL AUSTRALIA PTY LTD	KELLY LOUISE	WARNERS BAY TRAVEL BRITANNIA TRAVEL
2TA5249	WILDERNESS AUSTRALIA PTY LTD		
2TA5386	WILTRANS AUSTRALIA PTY LTD		
2TA4607	WINDBIND PTY LTD		CENTRE ONE TOURS AUSTRALIA
2TA4962	WINDSONG TRAVEL PTY LTD		
2TA4953	WINGLONG TRAVEL PTY LTD		
2TA002901	WINKLEY		
2TA004148	WISELY'S TRAVEL SERVICE PTY LTD	ELEANOR URSULA	DURHAMS COACHES
2TA4378	WONDER TOUR (AUST) PTY LTD		
2TA4842	WONDERFUL PACIFIC PTY LTD		
2TA004027	WONDERFUL WORLD TRAVEL SERVICE PTY LTD		
2TA004051	WONDERLAND WORLD TRAVEL PTY LTD		
2TA002557	WORLD AVIATION SYSTEMS (AUSTRALIA) PTY LTD		
2TA4960	WORLD CARS PTY LTD		THE WORLD BY CAR WORLD CARS CRUISE JOURNEYS WORLD CONFERENCE & INCENTIVE MANAGEMENT WORLD FLIGHT CENTRE TRAVELLER BRIEFINGS ALUMNI TRAVEL IMPERIAL CHINA TOURS HERITAGE DESTINATIONS JUST GOOD FRIENDS
2TA003690	WORLD CORPORATE TRAVEL PTY LTD		
2TA5240	WORLD FLIGHT CENTRE PTY LTD		
2TA003088	WORLD LINKS EDUCATION PTY LTD		HELEN WONG TOURS WORLD TRAVEL CONNECTIONS SOUTHERN PACIFIC VACATIONS SWISSAVIATION
2TA4346	WORLD MARKETING PTY LTD		
2TA004103	WORLD TRADE TRAVEL PTY LTD		
2TA5483	WORLD TRAVEL CONNECTIONS PTY LTD		
2TA5133	WORLD WIDE TRAVEL SERVICES PTY LTD		
2TA4947	WORLDCAR AND TRAVEL.COM.AU PTY LTD		GLOBALCARS.COM.AU GLOBALBEDS.COM.AU GLOBALRES.COM.AU KIDS WORLD TRAVEL WORLD TRAVEL PROFESSIONALS
2TA004034	WORLDTRAVEL.COM.AU PTY LTD		

2TA5319	WORLDWIDE HOLIDAYS PTY LTD		HARVEY WORLD TRAVEL (MIRANDA)
2TA4914	WORTHINGTON	MARGARET LOUISE	DUCK CREEK MOUNTAIN TRAVEL
2TA4915	WORTHINGTON	TERRENCE JOHN	DUCK CREEK MOUNTAIN TRAVEL
2TA003460	WYCHWODE INVESTMENTS PTY LTD		MOSMAN TRAVEL CENTRE
2TA001257	WYFINE PTY LTD		TRAVELSCENE NOWRA
2TA002977	YALLAROI SHIRE COUNCIL		
2TA4931	YARRUMBI PTY LTD		HARVEY WORLD TRAVEL (MURWILLUMBAH)
2TA5347	YES TRAVEL & EVENTS PTY LTD		
2TA002629	YHA NSW LTD		YHA TRAVEL SYDNEY CENTRAL YHA YHA TRAVEL YHA TRAVEL BYRON BAY PANTHERS TRAVEL YOSICA INTERNATIONAL TRAVEL
2TA001085	YONEP PTY LTD		
2TA4819	YOSICA INTERNATIONAL TRAVEL PTY LTD		
2TA5349	YOUNG TRAVEL PTY LTD		YOUNG TRAVEL
2TA4542	YTA TRAVEL (AUSTRALIA) PTY LTD		YTA TRAVEL
2TA003482	ZIGNAL INTERNATIONAL PTY LTD		ZIGNAL TRAVELS
2TA5370	ZUJI PTY LTD		
2TA4619	ZUZARTE	MARIA MATILDE	AIR TRAVEL 2000 CRUISE CLUB OF SYDNEY
2TA4618	ZUZARTE	ROY LEVY	AIR TRAVEL 2000 CRUISE CLUB OF SYDNEY

# TENDERS

## Department of Commerce

### SUPPLIES AND SERVICES FOR THE PUBLIC SERVICE

Information in relation to the Department of Commerce proposed, current and awarded tenders is available on:

<http://www.tenders.nsw.gov.au>

### cmSolutions

#### TENDERS FOR PRINTING

TENDERS will be received up to 9.30 am on the date specified for the undermentioned printing. Envelopes containing tenders must be addressed to: Government Printer Unit 5 Block V 391 Park Road REGENTS PARK NSW 2143, and have legibly endorsed upon the face thereof the items and description of the printing for which the tender is submitted.

**Advertised for 2 weeks commencing Friday 3rd October 2003**

Tender No.37106

Tenders are invited on behalf of TAFE NSW for the variable data printing and distribution of Student Transcripts.

Tender documents will be available the 3rd October 2003 at the Government Printing Service. Job consists of variable data printing of over 270,000 student transcripts and results of courses for December 2003 and July 2004.

For further information contact Gavin Potter 9743 8777.

# PRIVATE ADVERTISEMENTS

## COUNCIL NOTICES

### BLACKTOWN CITY COUNCIL

Roads Act 1993, Section 10(1)

Dedication of Land as Public Road

NOTICE is hereby given by Blacktown City Council that pursuant to section 10(1), Division 1, Part 2 of the Roads Act 1993, the land described in the Schedule below is hereby dedicated as Public Road. Dated at Blacktown, 29th September, 2003. IAN REYNOLDS, General Manager, Blacktown City Council, PO Box 63, Blacktown, NSW 2148.

Schedule

Lot 2, DP 1010402; Lot 3, DP 1010405; Lot 1, DP 1039597; Lot 1, DP 1039598; Lot 212, DP 1042982; Lot 2, DP 1016066; Lot 111, DP 1016067 and Lot 2, DP 1016069.

[0723]

### THE COUNCIL OF CAMDEN

Roads Act 1993

Dedication of Land as Public Road

NOTICE is hereby given that pursuant to section 10 of the Roads Act 1993, the land described in the Schedule below is dedicated to the public as a road. Dated 30th September, 2003. SHERIDAN DUDLEY, General Manager, 37 John Street, Camden, NSW 2570. (File No. PF3277/3).

Schedule

Lot 1 in Deposited Plan 822334, being No. 66A Byron Road, Leppington.

[0741]

### PARRAMATTA CITY COUNCIL

Roads Act 1993

Dedication of Land as Public Road

NOTICE is hereby given that Parramatta City Council dedicates the land described in the Schedule below as public road under section 10 of the Roads Act 1993. GENERAL MANAGER, Parramatta City Council, PO Box 32, Parramatta, NSW 2124.

Schedule

All that pieces or parcels of land known as Edgar Buggy Street at Guildford in the Parramatta City Council area, Parish of St John and County of Cumberland, being land shown as Lot 5 in Deposited Plan 261337; Lot 561 in Deposited Plan 632519; Lot 541 in Deposited Plan 631771; Lot 531 in Deposited Plan 631770; Lot 64 in Deposited Plan 585644; Lot 622 in Deposited Plan 732241; Lot 611 in Deposited Plan 631108; Lot 601 in Deposited Plan 614273; Lot 2 in Deposited Plan 583920; Lot 3 in Deposited Plan 700563; Lot 11 in Deposited Plan 731861; Lot 2 in Deposited Plan 610231; Lot 3 in Deposited Plan 616313 and Lot 382 in Deposited Plan 632882. [0724]

### PORT STEPHENS COUNCIL

Roads Act 1993

NOTICE is hereby given that pursuant to section 10 Road Act 1993, Council hereby dedicates, as public road, the Council owned land set out in the Schedule below. Council resolution 195 dated 27th May, 2003. Dated at Raymond Terrace this 3rd day of October, 2003. P. GESLING, General Manger, Port Stephens Council, PO Box 42, Raymond Terrace, NSW 2324. (Council File 5360-047).

Schedule

Lot 1, DP 1054368.

[0745]

### PORT STEPHENS COUNCIL

Roads Act 1993

Land Acquisition (Just Terms Compensation) Act 1991

Notice of Compulsory Acquisition of Land

THE Port Stephens Council declares, with the approval of Her Excellency the Governor, that the land described in the Schedule below, excluding mines and minerals in the lands, is acquired by compulsory process in accordance with the provisions of the Land Acquisition (Just Terms Compensation) Act 1991, for the purposes of the Roads Act 1993. Dated at Raymond Terrace this 30th day of September, 2003. P. GESLING, General Manger, Port Stephens Council, PO Box 42, Raymond Terrace, NSW 2324. (Council File 5360-047).

Schedule

Lot 1, DP 1054368.

[0746]

### SUTHERLAND SHIRE COUNCIL

Roads Act 1993

Roads (General) Regulation 1994

Renaming of Various Unnamed and Named Roads

NOTICE is hereby given that Sutherland Shire Council, has pursuant to Division 2 of the Roads (General) Regulation, notified the proponents by way of advertisement and written correspondence, for a period not less than one (1) month, of the intention to name or rename the following:

- rename part of Old Illawarra Road, Barden Ridge between Broughton Place and Wardell Drive to Banks Place, Barden Ridge;
- name an unnamed lane between Station Street and Caldarra Avenue, Engadine to Court Lane, Engadine;
- name an unnamed lane between Old Princes Highway and Preston Avenue, Engadine to Geebung Lane, Engadine;
- name an unnamed lane off Preston Avenue, Engadine adjoining 2 Preston Avenue, Engadine to Preston Lane, Engadine;



- name an unnamed lane that runs parallel to the Princes Highway and Warabin Street, Waterfall and starts at the rear of 1895 Princes Highway and proceeds through to Kooraban Street to Tharawal Lane, Waterfall;
- name an unnamed lane that runs parallel to the Kooraban Street and Bundarra Street, Waterfall and starts at the rear of 1947 Princes Highway to Nanardine Lane, Waterfall.

Having received no objection after giving due consideration to all submissions, Council has resolved to proceed with the road naming effective from Friday, 3rd October, 2003. J. W. RAYNER, General Manager, Sutherland Shire Council, PO Box 17, Sutherland, NSW 1499. [0721]

### WARRINGAH COUNCIL

#### Dedication of Land as Public Road

#### Roads Act 1993 – Section 10

PURSUANT to section 10 of the Roads Act 1993, Warringah Council hereby dedicates Lots 1 and 2 in DP 130602 between Oaks Avenue and Pacific Parade, Dee Why, as public road. STEPHEN BLACKADDER, General Manager, Warringah Council, Civic Centre, Pittwater Road, Dee Why, NSW 2099. [0744]

### ESTATE NOTICES

NOTICE of intended distribution of estate.—Any person having any claim upon the estate of STEPHEN RONALD FOWLER, late of Eastlakes in the State of New South Wales, pensioner, who died on 9th June, 2003, must send particulars of his claim to the executor, Paul Havelock Pryor, c.o. Pryor Tzannes & Wallis, Solicitors, 1005 Botany Road, Mascot, NSW 2020, within one (1) calendar month from publication of this notice. After that time the executor may distribute the assets of the estate having regard only to the claims of which at the time of distribution he has notice. Probate was granted in New South Wales on 7th August, 2003. PRYOR TZANNES & WALLIS, Solicitors, 1005 Botany Road, Mascot, NSW 2020 (DX164, Sydney), tel.: (02) 9669 6333. [0726]

NOTICE of intended distribution of estate.—Any person having any claim upon the estate of MARJORIE KATHLEEN BARRETT, late of 8 Charles Street, Redfern in the State of New South Wales, who died on 11th October, 2002, must send particulars of their claim to the executor, Carol Ann Nelan, c.o. Simpson & Co., Solicitors, 103A Anzac Parade, Kensington, NSW 2033, within one (1) calendar month from publication of this notice. After that time the assets of the estate and the property may be conveyed and distributed having regard only to the claims of which at the time of conveyance or distribution the executor has notice. Probate was granted in New South Wales on 17th September, 2003. SIMPSON & CO., Solicitors, 103A Anzac Parade, Kensington, NSW 2033 (PO Box 340, Kensington, NSW 1465), tel.: (02) 9662 4381. [0728]

NOTICE of intended distribution of estate.—Any person having any claim upon the estate of DARYL KEITH DUNCAN, late of 85/56 Anzac Parade, Kensington in the State of New South Wales, who died on 26th July, 2003, must send particulars of their claim to the executor, Bruce Ian Duncan, c.o. Simpson & Co., Solicitors, 103A Anzac Parade, Kensington, NSW 2033, within one (1) calendar month from publication of this notice. After that time the assets of the estate and the property may be conveyed and distributed having regard only to the claims of which at the time of conveyance or distribution the executor has notice. Probate was granted in New South Wales on 17th September, 2003. SIMPSON & CO., Solicitors, 103A Anzac Parade, Kensington, NSW 2033 (PO Box 340, Kensington, NSW 1465), tel.: (02) 9662 4381. [0729]

NOTICE of intended distribution of estate.—Any person having any claim upon the estate of ALAN JAMES BAXTER, late of Jakarta, Indonesia, who died on 22nd August, 2001, must send particulars of his/her claim to the administrators, Karl Feodre Baxter and Nathan James Baxter, c.o. Collins & Thompson, Solicitors, 8 Coronation Street, Hornsby, NSW 2077, within one (1) calendar month from publication of this notice. After that time the assets of the estate may be conveyed and distributed having regard only to the claims of which at the time of distribution the administrators have notice. Letters of administration were granted in New South Wales on 22nd October, 2002. COLLINS & THOMPSON, Solicitors, 8 Coronation Street, Hornsby, NSW 2077 (PO Box 455, Hornsby, NSW 1630), (DX9691, Hornsby), tel.: (02) 9476 2788. Reference: DJT:JC:85429. [0732]

NOTICE of intended distribution of estate.—Any person having any claim upon the estate of ESMA NOELENE SMALL, late of 95 Jubilee Avenue, Kogarah, in the State of New South Wales, retired, who died on 24th June, 2003, must send particulars of his/her claim to the executors, Kevin Venner and Kenneth James Easton, c.o. Collins & Thompson, Solicitors, 8 Coronation Street, Hornsby, NSW 2077, within one (1) calendar month from publication of this notice. After that time the assets of the estate may be conveyed and distributed having regard only to the claims of which at the time of distribution the executors have notice. Probate was granted in New South Wales on 19th September, 2003. COLLINS & THOMPSON, Solicitors, 8 Coronation Street, Hornsby, NSW 2077 (PO Box 455, Hornsby, NSW 1630), (DX9691, Hornsby), tel.: (02) 9476 2788. Reference: DJT:JC:85476. [0733]

NOTICE of intended distribution of estate.—Any person having any claim upon the estate of MARY CATHERINE MURPHY, late of 3 Adina Street, Seven Hills, in the State of New South Wales, widow, who died on 15th May, 2003, must send particulars of his/her claim to the executor, Peter Thomas Murphy, c.o. Maclarens, Solicitors, 232 Merrylands Road, Merrylands, NSW 2160, within one (1) calendar month from publication of this notice. After that time the assets of the estate may be conveyed and distributed having regard only to the claims of which at the time of distribution the executor has notice. Probate was granted in New South Wales on 9th September, 2003.

MACLARENS, Solicitors, 232 Merrylands Road (PO Box 354), Merrylands, NSW 2160, (DX25406, Merrylands), tel.: (02) 9682 3777. Reference: CMcP:GS:20038078. [0734]

NOTICE of intended distribution of estate.—Any person having any claim upon the estate of DOREEN MAY EVANS, late of Belmont, in the State of New South Wales, domestic duties, who died on 30th May, 2003, must send particulars of his/her claim to the executor, John Patrick Quinn, c.o. Lockhart Quinn & Co., Solicitors, 5 Library Lane, Charlestown, NSW 2290, within one (1) calendar month from publication of this notice. After that time the assets of the estate may be conveyed and distributed having regard only to the claims of which at the time of conveyance or distribution the executor has notice. Probate was granted in New South Wales on 16th July, 2003. LOCKHART QUINN & CO., Solicitors, 5 Library Lane (PO Box 373), Charlestown, NSW 2290, (DX12611, Charlestown), tel.: (02) 4942 3222. Reference: JPQ:HN:03 239. [0735]

NOTICE of intended distribution of estate.—Any person having any claim upon the estate of JAMES GERAKITEYS, late of 304/2 Springfield Avenue, Potts Point in the State of New South Wales, who died on 28th July, 2003, must send particulars of their claim to the executors, Benetos Gerakiteys and Nicholas Antony Gerakiteys, c.o. Simpson & Co., Solicitors, 103A Anzac Parade, Kensington, NSW 2033, within one (1) calendar month from publication of this notice. After that time the assets of the estate and the property may be conveyed and distributed having regard only to the claims of which at the time of conveyance or distribution the executor has notice. Probate was granted in New South Wales on 19th September, 2003. SIMPSON & CO., Solicitors, 103A Anzac Parade, Kensington, NSW 2033 (PO Box 340, Kensington, NSW 1465), tel.: (02) 9662 4381. [0738]

NOTICE of intended distribution of estate.—Any person having any claim upon the estate of BETTY GWENFA WILSON, late of 173 Doncaster Avenue, Kensington in the State of New South Wales, who died on 28th July, 2003, must send particulars of their claim to the executors, Patricia Constance Wilson and Keith Robert Wilson, c.o. Simpson & Co., Solicitors, 103A Anzac Parade, Kensington, NSW 2033, within one (1) calendar month from publication of this notice. After that time the assets of the estate and the property may be conveyed and distributed having regard only to the claims of which at the time of conveyance or distribution the executor has notice. Probate was granted in New South Wales on 19th September, 2003. SIMPSON & CO., Solicitors, 103A Anzac Parade, Kensington, NSW 2033 (PO Box 340, Kensington, NSW 1465), tel.: (02) 9662 4381. [0739]

NOTICE of intended distribution of estate.—Any person having any claim upon the estate of ETHEL MAY EAST, late of 60 Holroyd Road, Merrylands, in the State of New South Wales, widow, who died on 19th June, 2003, must send particulars of his/her claim to the executrix, Phyllis Juliana Lamont, c.o. Maclarens, Solicitors, 232 Merrylands

Road, Merrylands, NSW 2160, within one (1) calendar month from publication of this notice. After that time the assets of the estate may be conveyed and distributed having regard only to the claims of which at the time of distribution the executrix has notice. Probate was granted in New South Wales on 17th September, 2003. MACLARENS, Solicitors, 232 Merrylands Road (PO Box 354), Merrylands, NSW 2160, (DX25406, Merrylands), tel.: (02) 9682 3777. Reference: CMcP:GS:2004515. [0740]

## COMPANY NOTICES

NOTICE of voluntary liquidation.—ONSHORE/OFFSHORE PTY LIMITED, ACN 071 295 773 (in voluntary liquidation).—Pursuant to the Corporations Law notice is hereby given that at a general meeting of members, duly convened and held at the offices of Messrs Pringle Moriarty & Co., Chartered Accountants, Suite 12C, 44 Oxford Road, Ingleburn, NSW 2565, on Thursday, 18th September, 2003, at 11:00 a.m., the following resolution was passed as a special resolution: "That the company be wound up voluntarily and that Stanley Moriarty be appointed liquidator for the purposes of the winding up". S. MORIARTY, Liquidator, c.o. Pringle Moriarty & Co., Suite 12C, 44 Oxford Road (PO Box 818), Ingleburn, NSW 2565, tel.: (02) 9605 1344. [0730]

NOTICE of final extraordinary general meeting.—NYLAMA PTY LIMITED, ACN 010 204 609 (in voluntary liquidation).—Pursuant to the Corporation Act 1989, notice is hereby given that the final extraordinary general meeting of the abovenamed company, will be duly convened and held at the offices of Messrs. Roberts & Morrow, Chartered Accountants, 137 Beardy Street, Armidale, NSW 2350, on 21st October, 2003, the final accounts for the winding up of the company will be presented. Dated this 23rd day of September, 2003. KEVIN JOHN PIKE, Liquidator, c.o. Roberts & Morrow, Chartered Accountants, 137 Beardy Street (PO Box 112), Armidale, NSW 2350, tel.: (02) 6774 8400. [0731]

NOTICE of special meeting of society.—SAINT GEORGE STARR-BOWKETT CO-OPERATIVE SOCIETY NO. 20 SECTION LIMITED (in voluntary liquidation).—Notice is hereby given that a special meeting of the abovementioned Society will be held at the Society's Office, 43 Enmore Road, Newtown, on Thursday, 30th October, 2003, at 10:00 a.m., for the purpose of having an account laid before it showing the manner in which the winding up has been conducted and the property of the Society disposed of and of hearing any explanation which may be given by the liquidator. Dated at Newtown this 25th day of September, 2003. N. ANDERSON, Liquidator. [0736]

NOTICE of final meeting.—SANKAMAP HOTELS PTY LIMITED, ACN 003 758 432 (in voluntary liquidation).—Notice is hereby given that pursuant to section 509 of the Corporations Law, the final meeting of members of the company will be held at 92 Cooper Street, Cootamundra, on the 31st day of October, 2003, at 10:00 a.m., for the purpose of the liquidator laying before the

meeting an account of the winding up and the giving of any explanation thereof. Dated this 30th day of September, 2003. DAWSON & PARTNERS, Chartered Accountants, 92 Cooper Street (PO Box 201), Cootamundra, NSW 2590, tel.: (02) 6942 1711. [0737]

### OTHER NOTICES

NOTICE of dissolution of partnership.—Notice is hereby given that the partnership previously subsisting between PEDLAW PTY LIMITED, ABN 16 070 004 438 and PASCALE INVESTMENTS PTY LIMITED, ABN 29 003 299 830, carrying on business as the World of Fruit Wholesale (Buyer No. 1326), Top Ryde World of Fruit (buyer No. 2090) and Five Star R. & F. (Buyer No. 2090) has been dissolved as from 7th September, 2003, so far as concerns the said Pedlaw Pty Limited. The businesses will continue to be carried on by Pascale Investments Pty Limited. STEFANIA MAROTTA, c.o. Pitcher Walton & Co., Level 9, 307 Pitt Street, Sydney, NSW 2000, tel.: (02) 9267 5133. [0725]

## COOLAMON SHIRE COUNCIL

NOTICE is hereby given to the persons named hereunder that the Council of the Shire of Coolamon has resolved in pursuance of section 713 of the Local Government Act 1993, to sell the land described hereunder of which the persons named appear to be the owners of, or in which they appear to have an interest and on which the amounts of rates stated in each case, due as at 1st September, 2003.

Owners or persons having an interest in the land	Description of land	Amount of rates and charges overdue for more than five (5) years \$	Amount of all other rates and charges due \$	Total Due \$
P. A. LINDESAY	Lot 12, section 41, DP 758428	474.64	3,184.18	3,658.82
R. and K. L. CALI	Lot 32, DP 5363	1,078.58	3,576.58	4,655.16
Y. CALI	Lot 33, DP 5363	631.58	3,394.08	4,025.66
D. R. O'CONNOR	Lots 6-9, section 31, DP 758428	324.86	2,644.23	2,969.09
L. B. GUINAN	Lots 3-4, section 33, DP 758428	174.09	971.13	1,145.22
D. R. O'CONNOR	Lot 4, section 30, DP 758428	304.10	971.13	1,275.23
C. and S. HORN	Lot 2, section 25, DP 758428	135.00	3,401.72	3,536.72
D. SMITH and G. NASSIS	Lot 6, section 28, DP 758428	218.18	1,081.21	1,299.39
E. A. and D. T. BAXTER	Lot 5, section 2, DP 758657	1,262.21	1,624.52	2,886.73
NEXTVILLE PTY LTD	Lot 13, section 11, DP 758657	43.20	1,124.03	1,167.23
L. A. JENNINGS	Lot 1, DP 800825	394.81	1,298.12	1,692.93
W. P. and J. T. REID	Lots 1 and 2, DP 602652	599.16	1,640.48	2,239.64
E. J. FURY	Lot 33, DP 6979	488.62	1,324.50	1,813.12
PROSPECTORS PROPRIETARY LIMITED	Part Lot 6, DP 6302	41.20	984.35	1,025.55
O. E. BEATTIE	Lot 15, section 3, DP 758028	1,735.78	1,500.51	3,236.29
PUBLIC TRUSTEE	Lot 16, section 3, DP 5822	2,844.83	1,542.09	4,386.92
A. B. SAUNDERS	Lot 15, section 3, DP 5822	1,106.97	1,306.82	2,413.79
K. M. and S. C. DOBSON	Lot 17, DP 788459	963.80	1,827.22	2,791.02
K. M. and S. C. DOBSON	Lot 15, DP 788459	906.05	1,801.10	2,707.15
W. K. and J. M. A. WEBB	Lot 13, DP 788459	511.91	1,655.95	2,167.86
K. M. and S. C. DOBSON	Lot 12, DP 788459	986.95	1,837.35	2,824.30
A. J. SCUTTER	Lot 5, section 1, DP 5822	739.97	1,492.99	2,232.96
W. K. T. HORAN	Lot 3, DP 228686	531.17	1,126.39	1,657.56
NEXTVILLE PTY LTD	Lot 1, DP 126740	36.70	903.34	940.04
S. J. ADAMS	Lot 6, section 6, DP 759143	41.20	1,104.05	1,145.25

In default of payment to Council of the amount stated in the TOTAL column above and any other rates and charges becoming due and payable after the 1st September, 2003, or an arrangement satisfactory to Council for payment of all such rates being entered into by the rateable person, before the time fixed for the sale, the said land will be offered by public auction at Council Chambers, Cowabbie Street, Coolamon on Tuesday, 21st January, 2004, at 10.30 a.m. Dated: 30th September, 2003. TERREY KISS, General Manager, Shire Hall, Coolamon, NSW 2701. [0722]

**THE COUNCIL OF THE CITY OF LAKE MACQUARIE**

Local Government Act 1993

Sale of Land for Overdue Rates

NOTICE is hereby given to the person(s) named hereunder that the Council of the City of Lake Macquarie has resolved, in pursuance of section 713 of the Local Government Act 1993, to sell the land described hereunder (of which the person(s) named are known to the Council to be the owner(s) or to have an interest) in the land and on which the amount of rates and charges stated in each case, as at 30th June, 2003, is due.

Owner(s) or Person(s) having interest in the land	Description of the Land (Lot, Section, Deposited Plan and Street Address)	Amount of rates and charges overdue for more than 5 years	Interest accrued on amount in column (c)	Amount of all other rates and charges due and in arrears	Interest accrued on amount in column (e)	Total
(a)	(b)	(c)	(d)	(e)	(f)	(g)
		\$	\$	\$	\$	\$
Estate of the Late George Henry COX, Estate of the Late Samuel Aaron JOSEPH and John MEYERFIELD	Lot 10, section B, DP 163, 24A Frazer Street, Catherine Hill Bay	695.14	80.24	1434.66	683.76	2893.80
Estate of the Late George Henry COX, Estate of the Late Samuel Aaron JOSEPH and John MEYERFIELD	Lot 18 and Part Lot 20, section B, DP 163, 26A Frazer Street, Catherine Hill Bay	980.55	113.19	1906.65	939.16	3939.55
Estate of the Late George Henry COX, Estate of the Late Samuel Aaron JOSEPH and John MEYERFIELD	Lot 1, section K, DP 163, 12 Montefiore Street, Catherine Hill Bay	695.14	80.24	1434.66	683.76	2893.80
Estate of the Late George Henry COX, Estate of the Late Samuel Aaron JOSEPH and John MEYERFIELD	Lot 2, section I, DP 163, 6 Keene Street, Catherine Hill Bay	784.48	90.91	1563.27	759.12	3197.78
Mungo BROWN	Lot 1, DP 919600, 108 Babers Road, Cooranbong	1776.01	213.70	3083.45	1675.48	6748.64
Estate of the Late Stanley STONE	Lot B, DP 306810, 44 Fourth Street, Boolaroo	246.69	53.54	2803.24	844.08	3947.55

In default of payment to the Council of the amount stated in Column (g) above and any other rates and charges (including extra charges) becoming due and payable after publication of this notice, or any arrangements satisfactory to the Council for payment of all such rates and charges being entered into by the rateable person before the time fixed for the sale, the said land will be offered for sale by Public Auction by Mr Paul Avery, Licensed Auctioneer, at the Lake Macquarie City Council's Administration Centre, 126-138 Main Road, Speers Point, on Wednesday, 4th February, 2004, at 2:00 p.m. KEN HOLT, General Manager, PO Box 1906, Hunter Registered Mail Centre, NSW 2310. [0727]