

**GAS ACCESS ARRANGEMENT
REVIEW 2013 - 2017**



National Gas Law
Access Arrangement by

Multinet Gas (DB No. 1) Pty Ltd
and
Multinet Gas (DB No. 2) Pty Ltd

Trading as

Multinet Gas Distribution Partnership for the
Distribution System (“Multinet”)

Part B – Reference Tariffs and Reference Tariff Policy

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PART B

Reference Tariffs and Reference Tariff Policy

1 Haulage Reference Tariffs

1.1 Haulage Reference Tariffs

(a) **Haulage Reference Tariffs for 2013**

For Calendar Year 2013, the haulage Reference Tariffs to apply from 1 January 2013 are the tariffs set out in Schedule 1 adjusted to comply with the Tariff Control formula and rebalancing control formula in clause 3 and verified by the Regulator as if clause 4 applied (but not for the timing requirements of clause 4.1).

(b) **Introduction of new Haulage Reference Tariffs**

The Service Provider may develop one or more new Haulage Reference Tariffs for application to Users in certain circumstances, providing that any new Haulage Reference Tariff is consistent with the Service Provider's Reference Tariff Policy, as set out in clause 6.

(c) **No Meter**

A Distribution Supply Point which does not have a Meter is assigned to Haulage Reference Tariff - Residential V, unless otherwise agreed between the Service Provider and the relevant User to whom Reference Services are provided at that Distribution Supply Point.

(d) **Distribution Area**

The Haulage Reference Tariffs apply to the Distribution System within the Service Provider's Distribution Area, in accordance with this clause 1, Schedule 1 and Schedule 3.

1.2 Application of Haulage Reference Tariffs

(a) **Assigned Haulage Reference Tariffs**

Where the Service Provider is Charging a particular Haulage Reference Tariff in respect of Supply at a particular Distribution Supply Point, then the User at that Distribution Supply Point is to be regarded as being "assigned" to that Haulage Reference Tariff.

(b) **Haulage Reference Tariffs for existing Distribution Supply Points**

Unless a new Haulage Reference Tariff has been reassigned to a Distribution Supply Point, the Haulage Reference Tariff to apply to a Distribution Supply Point from 1 January 2013 is deemed to be the Haulage Reference Tariff assigned to that Distribution Supply Point as at 31 December 2012.

(c) **Haulage Reference Service provided at a Distribution Supply Point**

The Residential Haulage Reference Service is provided at a Distribution Supply Point where Gas is withdrawn by or in respect of a Residential Customer. The Non-Residential Haulage Reference Service is provided at a Distribution Supply Point where Gas is withdrawn by or in respect of a Non-Residential Customer.



1.3 Assignment of new Haulage Reference Tariffs and new Haulage Reference Tariff Components

(a) **Change in volume of Gas consumed**

If, after the initial assignment of a Haulage Reference Tariff to a Distribution Supply Point, the Service Provider becomes aware that:

- (1) the Quantity of Gas withdrawn at that Distribution Supply Point has changed; or
- (2) the User's Customer at that Distribution Supply Point has changed or will change; or
- (3) the User's Customer at that Distribution Supply Point has changed or will change from being a Residential Customer to a Non-Residential Customer; or
- (4) the User's Customer at that Distribution Supply Point has changed or will change from being a Non-Residential Customer to a Residential Customer,

so that the Haulage Reference Tariff should no longer be assigned to the Distribution Supply Point to which it is currently assigned, the Service Provider may reassign an alternative Haulage Reference Tariff to that Distribution Supply Point.

(b) **Change in demand or Connection characteristics**

If the Service Provider believes that a User's demand characteristics or Connection characteristics (or both) have changed such that it is no longer appropriate for that User's Distribution Supply Point to be assigned to the Haulage Reference Tariff to which the User's Distribution Supply Point is currently assigned, then the Service Provider may reassign an alternative Haulage Reference Tariff to that Distribution Supply Point.

(c) **Factors to be considered by the Service Provider**

In determining the initial assignment or reassignment of a Haulage Reference Tariff to a Distribution Supply Point the Service Provider will take into account:

- (1) the User's demand and Connection characteristics; and
- (2) Haulage Reference Tariffs assigned to Distribution Supply Points with the same or materially similar demand and Connection characteristics; and
- (3) the characteristics and location of the Distribution Supply Point described in Schedule 1.

(d) **Notification of proposed reassignment of Haulage Reference Tariff**

If, after 1 January 2013, the Service Provider becomes aware that a Haulage Reference Tariff assigned to a Distribution Supply Point should be a different Haulage Reference Tariff, the Service Provider will advise the relevant User accordingly prior to the reassignment occurring, unless otherwise agreed.

(e) **Terms and Conditions for new and changed Distribution Supply Points**

If a new Haulage Reference Tariff is assigned to a Distribution Supply Point or there is a change of User at a Distribution Supply Point, the Service Provider will supply to the relevant User, as soon as practicable after a request from that User, the terms and conditions which will apply to the relevant User at that Distribution Supply Point, and the Haulage Reference Tariff that is assigned to that Distribution Supply Point.



(f) **Notification by User regarding a different Haulage Reference Tariff**

Where a User receives notice under clause 1.3(d) that a Haulage Reference Tariff assigned to a Distribution Supply Point should be a different Haulage Reference Tariff, the different Haulage Reference Tariff will be assigned to that Distribution Supply Point unless the User submits a written and reasonable request to the Service Provider to remain on the original Haulage Reference Tariff and the Service Provider approves the request.

(g) **Time period for reassignment**

When introducing a new Haulage Reference Tariff and/or Haulage Reference Tariff Component, the Service Provider will assign the new Haulage Reference Tariff and/or Haulage Reference Tariff Component to the relevant Distribution Supply Point within 30 Business Days of the earlier of:

- (1) the receipt of a written notice that the Regulator has verified the Service Provider's proposed introduction of a new Haulage Reference Tariff and/or Haulage Reference Tariff Component; and
- (2) 20 Business Days from the date on which the Regulator received the Service Provider's notification under clause 4.1(c).

(h) **Assignment to Haulage Reference Tariff – Non-residential D or Haulage Reference Tariff – Non-residential L**

Where Haulage Reference Tariff – Non-residential D or Haulage Reference Tariff – Non-residential L is assigned to a Distribution Supply Point, that Haulage Reference Tariff shall apply to that Distribution Supply Point for a minimum period of one year.

(i) **Additional information required for new Haulage Reference Tariffs and new Haulage Reference Tariff Components**

Where the Service Provider is proposing to introduce a new Haulage Reference Tariff or a new Haulage Reference Tariff Component, the Service Provider will submit the following information to the Regulator, at the same time that it submits its Haulage Reference Tariff proposals, and in addition to the information required under clause 4.3:

- (1) a parent Haulage Reference Tariff(s), which is the Haulage Reference Tariff(s) currently assigned to those Distribution Supply Points to which the new Haulage Reference Tariff is proposed to apply;
- (2) reasonable estimates of the Quantities that would have been distributed in relevant units if the new Haulage Reference Tariff Components had existed in the Calendar Year immediately prior to the current Calendar Year for each new Haulage Reference Tariff Component; and
- (3) reasonable estimates of the Quantities that would have been distributed in relevant units if the new Haulage Reference Tariff Components had existed in the Calendar Year immediately prior to the current Calendar Year for each Haulage Reference Tariff Component of the parent Haulage Reference Tariff(s).

(j) **Switching rates**

Where the Service Provider submits information to the Regulator that the switching rate of Users moving from a given parent Haulage Reference Tariff to a new Haulage Reference Tariff will continue to be above zero from Calendar Year to Calendar Year, the Service Provider will also submit the following information:



- (1) the Quantities distributed in relevant units at the relevant Distribution Supply Point where the new Haulage Reference Tariffs already assigned to that Distribution Supply Point;
 - (2) reasonable estimates of the Quantities distributed in relevant units at those Distribution Supply Points at which the same new Haulage Reference Tariff is expected to apply during the course of the next Calendar Year; and
 - (3) the Quantities distributed in relevant units at those Distribution Supply Points at which the parent Haulage Reference Tariff continues to apply.
- (k) **Details of estimates**
- The Service Provider will provide details of and the basis for all estimates provided under clauses 1.3(i) and (j) to the Regulator, including (but not limited to) the information in clause 1.3(e).
- (l) **Resubmission of estimates**
- The Regulator can request that the Service Provider resubmit quantity estimates provided under clauses 3(i) and (j) where the Regulator considers the estimates to be incomplete, inconsistent or unsubstantiated. The Regulator must provide reasons for requesting such a resubmission.
- (m) **Timing of information**
- The elapsed time between the Regulator requesting that the Service Provider provide additional information under clause 1.3(l), and the Service Provider providing that information to the Regulator does not count towards the 20 Business Days under clause 1.3(g).

1.4 Withdrawal of Haulage Reference Tariffs

(a) **Withdrawal of Haulage Reference Tariff**

When proposing the withdrawal of an existing Haulage Reference Tariff and/or Haulage Reference Tariff Component, the Service Provider will reassign alternative Haulage Reference Tariffs to all relevant Distribution Supply Points within 30 Business Days of the earlier of:

- (1) the receipt of a written notice that the Regulator has verified the Service Provider's proposed withdrawal of the existing Haulage Reference Tariff and/or Haulage Reference Tariff Component; and
- (2) 20 Business Days from the date on which the Regulator received the Service Provider's notification under clause 4.1(c).

(b) **Notification of withdrawal of Haulage Reference Tariff**

Prior to the withdrawal of the existing Haulage Reference Tariff and/or Haulage Reference Tariff Component, the Service Provider will as soon as practicable notify all affected Users in writing.

(c) **Additional information to be provided to Regulator**

When the Service Provider proposes to withdraw a Haulage Reference Tariff, in addition to the information required under clause 4.3, the Service Provider will:

- (1) notify the Regulator in writing of the Haulage Reference Tariffs that will replace the withdrawn Haulage Reference Tariffs;
- (2) where Haulage Reference Tariffs will be reassigned to more than one Distribution Supply Point in Calendar Year t, provide a breakdown of the actual Quantities, in relevant units, that



were distributed under each existing Haulage Reference Tariff Component to these Users under the existing parent Haulage Reference Tariffs in Calendar Year t-2; and

- (3) where more than one Haulage Reference Tariffs have been reassigned to more than one existing Distribution Supply Point in Calendar Year t-1, provide a breakdown of the actual Quantities, in relevant units, that were distributed to these Users under each Haulage Reference Tariff Component which existed immediately prior to the reassignment under the parent Haulage Reference Tariffs that previously existed in Calendar Year t-1.

1.5 Carbon Tax Tariff and Unaccounted for Gas Tariff

The Haulage Reference Tariffs as otherwise determined under this Part B are adjusted as follows:

There will be added to the Haulage Reference Tariffs as otherwise determined under this Part B the applicable Carbon Tax Tariff (as determined in accordance with Schedule 1 and Appendix 1 of this Part B).

In addition to the adjustment for the Carbon Tax Tariff, in respect of each year during the Access Arrangement Period (commencing with 2013) an Unaccounted for Gas Tariff will be calculated in accordance with Appendix 1 of this Part B and added to the Haulage Reference Tariffs which will apply for the following year (for example the Unaccounted for Gas Tariff calculated in respect of the 2013 year is added to the Haulage Reference Tariffs otherwise determined for 2014).

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2 Ancillary Reference Tariffs

2.1 Existing Ancillary Reference Tariffs

For Calendar Year 2013, the Ancillary Reference Tariffs for Ancillary Reference Services that are to apply from 1 January 2013, are those as set out in Schedule 2.

2.2 Adjustments to Ancillary Reference Tariffs

The Service Provider will make annual adjustments to the Ancillary Reference Tariffs in accordance with the formula below. For the avoidance of doubt, Ancillary Reference Tariffs are not adjusted in accordance with the Tariff Control Formula or rebalancing control formula in clause 3.

$$ART_t = ART_{t-1} \cdot (1 + CPI_t)$$

where:

ART_t is the Ancillary Reference Tariff that applies in Calendar Year t ;

ART_{t-1} is the Ancillary Reference Tariff that applies in Calendar Year $t-1$; and

CPI_t is defined in the Glossary.



3 Haulage Reference Tariff Control Formula

The Tariff Control Formula comprises the principles, procedures and formulae which apply during the Fourth Access Arrangement Period for:

- (a) varying;
- (b) withdrawing; and
- (c) introducing new,

Haulage Reference Tariffs. For the avoidance of doubt, the Tariff Control Formula and the rebalancing control formulae do not apply to Ancillary Reference Tariffs.

Whenever the Service Provider proposes to vary, withdraw or introduce any new Haulage Reference Tariff, it will ensure that the proposed charge will be compliant with the Tariff Control Formulae set out in clause 3.1 and with the rebalancing control formulae in clause 3.5 to the reasonable satisfaction of the Regulator, and it will comply with the procedures set out in clause 4.

3.1 The Tariff Control Formulae

The Tariff Control Formulae adopted are consistent with the tariff basket form of price control. The Tariff Control Formulae are set out in Appendix 1.

3.2 New Haulage Reference Tariffs

- (a) Where the Service Provider is proposing to introduce new Haulage Reference Tariffs and/or new Haulage Reference Tariff Components the p_{t-2}^j term in Formula 1 and Formula 2 of Appendix 1 will be interpreted in relation to:
 - (1) the reasonable estimates of the Quantities that would have been distributed, in relevant units, if the Haulage Reference Tariff Components had existed in Calendar Year t-2 as provided by the Service Provider, in accordance with clause 1.3(j); and
 - (2) the Haulage Reference Tariff Components of the parent Haulage Reference Tariff in Calendar Year t-2 as provided by the Service Provider in accordance with clause 1.3(j).
- (b) Where the Service Provider has introduced new Haulage Reference Tariffs and/or new Haulage Reference Tariff Components in Calendar Year t-1, the p_{t-1}^j term in Formula 1 of Appendix 1 will be interpreted in relation to the reasonable estimates of the Quantities that would have been distributed, in relevant units, if the Haulage Reference Tariff Components had existed in Calendar Year t-2, as provided by the Service Provider in accordance with clause 1.3(j).

3.3 Withdrawal of Haulage Reference Tariffs

- (a) Where the Service Provider is proposing to withdraw a Haulage Reference Tariff and to reassign only one other Haulage Reference Tariff to the Distribution Supply Point to which the Haulage Reference Tariff to be withdrawn applied, the p_t^j term in Formula 1 of Appendix 1 for the Haulage Reference Tariff that is proposed to be withdrawn will be interpreted in relation to the Haulage Reference Tariff Components of the Haulage Reference Tariff which will be reassigned to that Distribution Supply Point in Calendar Year t, in accordance with information submitted under clause 1.4.
- (b) Where the Service Provider is proposing to withdraw a Haulage Reference Tariff and to reassign more than one other Haulage Reference Tariff to the Distribution Supply Point to which the Haulage Reference Tariff to be withdrawn applied:



- (1) the p_t^j term in Formula 1 of Appendix 1 for the Haulage Reference Tariff that is proposed to be withdrawn will be interpreted separately in relation to the Haulage Reference Tariff Components of each of the Haulage Reference Tariffs which will be reassigned to those Distribution Supply Points in Calendar Year t, in accordance with information submitted under clause 1.4; and
- (2) the p_{t-2}^j term in Formula 1 of Appendix 1 for the Haulage Reference Tariff that is proposed to be withdrawn in Calendar Year t will be the actual Quantities, in relevant units, of each Haulage Reference Tariff Component that were distributed under the parent Haulage Reference Tariff at those Distribution Supply Points to which the same Haulage Reference Tariff has been assigned in Calendar Year t, in accordance with information submitted under clause 1.4; and
- (3) the q_{t-2}^j term in Formula 1 of Appendix 1 for the Haulage Reference Tariff that has been withdrawn in Calendar Year t-1, will be the actual Quantities, in relevant units, of each Haulage Reference Tariff Component that were distributed under the parent Haulage Reference Tariff at those Distribution Supply Points to which the same Haulage Reference Tariff has been assigned in Calendar Year t-1, in accordance with information submitted under clause 1.4.

3.4 Haulage Reference Tariff information

Where the Service Provider submits information in accordance with clause 1.3(k) that switching rates of Users moving from a given parent Haulage Reference Tariff to a proposed new Haulage Reference Tariff will continue to be above zero from Calendar Year to Calendar Year, application of the Tariff Control Formula in Formula 1 of Appendix 1 will distinguish between:

- (a) Distribution Supply Points to which the new Haulage Reference Tariff has already been assigned, in which case q_{t-2}^j will be based on the actual Quantities distributed, in relevant units, at those Distribution Supply Points to which the new Haulage Reference Tariff has already been assigned and p_t^j is the new Haulage Reference Tariff; and
- (b) Distribution Supply Points to which the new Haulage Reference Tariff is expected to be assigned during Calendar Year t, in which case q_{t-2}^j will be based on the reasonable estimates of the Quantities which would have been distributed at those Distribution Supply Points, as submitted by the Service Provider in accordance with clause 1.3(k), and p_t^j is the new Haulage Reference Tariff.

3.5 Rebalancing controls on Haulage Reference Tariffs

The Service Provider will maintain Haulage Reference Tariffs between:

- (a) an upper limit of the cost to bypass the network; and
- (b) a lower limit of the marginal cost of supply.

In undertaking any rebalancing, the Service Provider must have consideration for the maintenance of cost-reflective levels and that cost-reflective charging is maintained over time. The Service Provider should also use rebalancing as the means by which cross-subsidisation between Haulage Reference Tariffs or between Haulage Reference Tariff Components is removed.

The rebalancing control formulae are set out in Appendix 2.



3.6 Rebalancing Controls for new and withdrawn Haulage Reference Tariffs

For the purposes of the application of the rebalancing control formulae (Appendix 2):

- (a) where the Service Provider proposes to introduce a new Haulage Reference Tariff and/or new Haulage Reference Tariff Components:
 - (1) the term q_t^j in the rebalancing control will be interpreted in relation to the reasonable estimates of the Quantities that would have been sold, in relevant units, if the Haulage Reference Tariff Components existed in Calendar Year t-2; and
 - (2) the p_t^j term in the rebalancing control will be interpreted in relation to the Haulage Reference Tariff Components of the parent Haulage Reference Tariff in Calendar Year t-2.
- (b) where the Service Provider has introduced new Haulage Reference Tariffs and/or new Haulage Reference Tariff Components in Calendar Year t-1, the q_{t-2}^j term of the rebalancing control will be interpreted in relation to the reasonable estimates of the Quantities that would have been sold, in relevant units, if the Haulage Reference Tariff Components had existed in Calendar Year t-2.
- (c) where the Service Provider proposes to withdraw a Haulage Reference Tariff and reassign those Distribution Supply Points to another Haulage Reference Tariff:
 - (1) the p_t^j term in the rebalancing control for the Haulage Reference Tariff that is proposed to be withdrawn will be interpreted in relation to the Haulage Reference Tariff Components of the Haulage Reference Tariff that those existing Distribution Supply Points will be reassigned to in Calendar Year t;
 - (2) the rebalancing control on Haulage Reference Tariffs will be applied separately in relation to each of the Haulage Reference Tariffs Distribution Supply Points are reassigned to, and:
 - (A) the p_t^j term in the rebalancing control for the Haulage Reference Tariff that is proposed is to be withdrawn will be interpreted in relation to the Haulage Reference Tariff Components of each of the Haulage Reference Tariffs that those existing Distribution Supply Points will be reassigned to in Calendar Year t; and
 - (B) the q_{t-2}^j term in the rebalancing control for the Haulage Reference Tariff that is proposed to be withdrawn will be the breakdown of the actual Quantities, in relevant units, that were sold under each Haulage Reference Tariff Component of the parent Haulage Reference Tariffs to each Distribution Supply Point reassigned to the same Haulage Reference Tariff.



4 Approval of annual and within year variations to Haulage Reference Tariffs and new Haulage Reference Tariffs

4.1 Submission to the Regulator

- (a) The Service Provider will, at least 35 Business Days prior to the commencement of the next Calendar Year submit proposed Haulage Reference Tariffs to apply from the start of the next Calendar Year for verification of compliance by the Regulator, in accordance with clauses 4.2(a), (b), (c) and (d).
- (b) Where the Service Provider proposes to change a Haulage Reference Tariff within a Calendar Year it will submit the proposed Haulage Reference Tariff change for verification of compliance by the Regulator, in accordance with clauses 4.2(a), (b) and (c).
- (c) Where the Service Provider proposes to introduce a new Haulage Reference Tariff or new Haulage Reference Tariff Component or withdraw an existing Haulage Reference Tariff or existing Haulage Reference Tariff Component within a Calendar Year it will submit the proposal for verification of compliance by the Regulator, in accordance with clauses 4.2(a), (b), (c) and (d).
- (d) The Service Provider will notify the Regulator in writing of its intent to introduce a new Haulage Reference Tariff or a new Haulage Reference Tariff Component at least 60 Business Days prior to the proposed date of commencement of the new Haulage Reference Tariff or Haulage Reference Tariff component.
- (e) The Service Provider will ensure its proposed Haulage Reference Tariffs or proposed changes to Haulage Reference Tariffs submitted under clauses 4.1(a), (b) or (c) comply with the Tariff Control Formula and rebalancing control formulae in clause 3.

4.2 Assessment by the Regulator

- (a) The Regulator will provide the Service Provider with written notice of whether or not it has verified the Haulage Reference Tariffs proposed by the Service Provider and submitted under clauses 4.1(a), (b) or (c) as compliant with the Tariff Control Formula and rebalancing control formulae. If the Regulator declines to verify the proposed Haulage Reference Tariffs as compliant, the Regulator must provide a written statement of reasons for that decision.
- (b) The proposed Haulage Reference Tariffs will be deemed to have been verified as compliant in writing by the Regulator by the end of 245 Business Days from the date on which the Regulator received the Service Provider's notification under clauses 4.1(a), (b) or (c) unless the Regulator has notified the Service Provider in writing that it has declined to verify the proposed Haulage Reference Tariffs as compliant.
- (c) If the Regulator issues a written notice to the Service Provider that it has declined to verify proposed Haulage Reference Tariffs and/or Haulage Reference Tariff Components (including but not limited to any new Haulage Reference Tariff and/or any new Haulage Reference Tariff Component) as compliant for a new Calendar Year t , then clause 4.4 shall apply to determine the Haulage Reference Tariffs and/or Haulage Reference Tariff Components for Calendar Year t until such time as the Regulator has, or been deemed to have, subsequent to its initial decision to decline to verify, verified Haulage Reference Tariffs and/or Haulage Reference Tariff Components for Calendar Year t as compliant.
- (d) If the Regulator has notified the Service Provider in writing that it has declined to verify as compliant the withdrawal of any existing Haulage Reference Tariffs and/or the withdrawal of any existing Haulage Reference Tariff Components proposed for new Calendar Year t , then clause 4.4



shall apply to determine the Haulage Reference Tariffs and/or Haulage Reference Tariff Components for Calendar Year t until such time as the Regulator has, or been deemed to have, subsequent to its initial decision to decline to verify, verified the withdrawal of any existing Haulage Reference Tariffs and/or the withdrawal of any existing Haulage Reference Tariff Components for Calendar Year t as compliant.

- (e) The Service Provider may provide additional information and resubmit or revise its proposed Haulage Reference Tariffs in accordance with clauses 4.1(a), (b) or (c) if the Regulator declines to verify as compliant proposed Haulage Reference Tariffs under clause 4.2(a) provided that if, in a Calendar Year, changes to Haulage Reference Tariffs have been verified as compliant by the Regulator, the Service Provider will notify in writing all Users affected by the changes as soon as practicable.

4.3 Information Required from the Service Provider

At the same time as submitting proposed Haulage Reference Tariffs to the Regulator, the Service Provider will also provide to the Regulator information demonstrating that the proposed Haulage Reference Tariffs are, to the extent relevant, consistent with the Tariff Control Formula and rebalancing control formulae in clause 3.

In respect of the annual variations of Haulage Reference Tariffs, the Service Provider will include a statement to support the gas quantity inputs in the tariff variation formula. The statement will be independently verified and the gas quantity input will reflect the most recent actual annual quantities available at the time of tariff variation assessment.

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In respect of carbon tax tariff, the Service Provider will include the following information and supporting documentation:

- (1) the most recent available certified emissions figure for the network, this being the relevant portion of the NGRS reported figure for the previous calendar year;
- (2) a forecast of emissions for the current calendar year;
- (3) a forecast of emissions for the subsequent calendar year;
- (4) the actual cost of carbon permit acquisition for the previous calendar year;
- (5) a forecast cost of carbon permit acquisition for the current calendar year;
- (6) a forecast cost of carbon permit acquisition for the subsequent calendar year;
- (7) the dollar amount allowed each year by the AER for recovery, for all previous years;
- (8) the difference between amounts allowed and the actual or forecast cost for the previous and current calendar year; and
- (9) the amount being sought for recovery in the following calendar year, being the sum of (6) and (7) above, which amount is to be included in the carbon tariff.

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4.4 Default Haulage Reference Tariffs for new Calendar Year t

If the Service Provider does not, at least 35 Business Days prior to the commencement of the next Calendar Year t submit proposed Haulage Reference Tariffs to apply from the start of the next Calendar Year t in accordance with clause 4.1(a) then:



- (a) where the left-hand side of the Tariff Control Formula to be applied for Calendar Year t is greater than one, the Haulage Reference Tariffs and Haulage Reference Tariff Components applying in Calendar Year t-1 will apply for Calendar Year t; and
- (b) where the left-hand side of the Tariff Control Formula to be applied for Calendar Year t is less than one, the Haulage Reference Tariffs applying in Calendar Year t-1 will be scaled down by the left-hand side of the Tariff Control Formula to be applied for Calendar Year t and will apply for Calendar Year t and the Haulage Reference Tariff Components applying in Calendar Year t-1 will be scaled down and applied accordingly,

until such time as the Regulator has, or been deemed to have, verified Haulage Reference Tariffs and/or Haulage Reference Tariff Components for Calendar Year t as compliant in response to a submission by the Service Provider.

4.5 Annual Tariff Report

The Service Provider will prepare and submit to the Regulator a Tariff Report containing the information set out in Schedule 4. The Tariff Report must be submitted to the Regulator:

- (a) at least 60 Business Days prior to the commencement of a Calendar Year, where the Service Provider proposes to introduce new Haulage Reference Tariffs and/or new Haulage Reference Tariff Components in that Calendar Year; and
- (b) at least 35 Business Days prior to the commencement of a Calendar Year, where the Service Provider does not propose to introduce new Haulage Reference Tariffs and/or new Haulage Reference Tariff Components in that Calendar Year.



5 Calculation of Charges for Haulage Reference Tariffs

Haulage Reference Tariffs are Charged in accordance with the calculations described below:

5.1 Distribution Fixed Tariff Components

The Distribution Fixed Tariff Components and consumption ranges shown in Schedule 1, as applicable, are daily amounts. The Distribution Fixed Tariff Component or consumption range applied to calculate a Charge for a billing period in Calendar Year t shall be the Distribution Fixed Tariff Component applying in Calendar Year t or consumption range shown in Schedule 1, as applicable, multiplied by the number of days in the billing period.

5.2 Distribution Volume Tariff Components

- (a) Distribution Volume Tariff Components are Charged according to the actual GJs of Gas withdrawn in the billing period, or an estimate of the GJs of Gas withdrawn in the billing period which is acceptable to the Service Provider.
- (b) Where the billing period includes days in two or more of the Peak Period, Shoulder Periods and Off-Peak Period the total GJs of Gas withdrawn shall be allocated between those periods proportionately according to the number of days falling in each period.

5.3 Distribution Demand Tariff Components

Distribution Demand Tariff Components are Charged according to the following formulae:

- (a) 12 month rolling maximum demand:

$$MDC = RMD \times DAYS \times UR$$

where:

MDC is the 12 month rolling maximum demand component of the Charge for the billing period;

RMD is the MHQ in the 12 months to the end of the billing period;

DAYS is the number of days in the billing period;

UR is the relevant Distribution Demand Tariff Component with units of $\$/(\text{day} \times \text{GJ})$;

- (b) Peak maximum demand:

$$MPC = PD \times P\text{DAYS} \times VR$$

where:

MPC is the peak maximum demand component of the Charge for the billing period;

PD is the MHQ during the period 6 am to 10 am on any weekday within a Peak Period that falls within the billing period;

PDAYS is the number of Peak Period days in the billing period;

VR is the relevant Distribution Demand Tariff Component with units of $\$/(\text{day} \times \text{GJ})$;



5.4 Unmetered Haulage Reference Tariff Components

Where Haulage Reference Tariff - Residential V has been assigned to a Distribution Supply Point under clause 1.1(c) because it is an unmetered Distribution Supply Point, there is deemed to be no withdrawal of Gas at that Distribution Supply Point for charging purposes. For the avoidance of doubt, in such circumstances Haulage Reference Tariff - Non-residential V is deemed to apply and any applicable fixed Haulage Reference Tariff Component may be charged as a fixed charge.



6 Reference Tariff Policy

This clause 6 sets out the Service Provider's Reference Tariff Policy in various matters the Service Provider has included in this Access Arrangement.

6.1 CPI-X Price Path

The CPI-X price path approach is consistent with rule 97 of the NGR.

6.2 Non-conforming Capital Expenditure

The Service Provider may at its discretion undertake Non-conforming Capital Expenditure that does not comply with the new Capital Expenditure Criteria. The Extensions and Expansions in clause 5.5 of Part A of this Access Arrangement explain how Non-conforming Capital Expenditure will affect Reference Tariffs.

Clause 6.3 below sets out the principles of a Speculative Capital Expenditure Account which the Service Provider may operate in relation to Non-conforming Capital Expenditure.

6.3 Speculative Capital Expenditure Account

In accordance with rule 84 of the NGR, the amount of the Speculative Capital Expenditure Account for the Service Provider at any time is equal to:

- (a) Non-conforming Expenditure, less any amount the Service Provider notifies the Regulator (at the time the expenditure is incurred) that it has elected to recover through a surcharge under Rule 83 of the NGR or by a capital contribution under rule 82 of the NGR plus;
- (b) an annual increase in that amount calculated on a compounded basis at a risk adjusted rate of return approved by the Regulator; less
- (c) any part of the Speculative Capital Expenditure Account rolled into the Capital Base under rule 84(3) of the NGR due to the type and volume of services changing.

6.4 Incentive mechanism

Rule 98 of the NGR provides for an Access Arrangement to include an incentive mechanism.

(a) General principles

- (1) The incentive arrangements that are to apply to cost-related efficiencies achieved by the Service Provider, and the adjustment to preserve the incentive to meet efficient growth in demand are a combination of:
 - (A) a tariff basket form of price control; and
 - (B) the carryover that would result in the Service Provider retaining the reward associated with an efficiency improving initiative for five years after the year in which the gain was achieved, ie. a reward (being the net amount of the efficiency gains (or losses) relating to ~~capital and~~ Operating Expenditure) earned in one year of an Access Arrangement Period would be added to the Total Revenue and carried forward into the Fifth Access Arrangement Period if necessary, until it has been retained by the Service Provider for a period of a full five years.

The incentive arrangements in (B) only apply to Operating Expenditure.

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- (2) There would be no claw-back of gains that have already been made (or losses that have been incurred) during the Fourth Access Arrangement Period.

~~(3) Efficiency gains (or losses) related to Capital Expenditure in any year would reflect the difference between the actual expenditure and the original forecast (or benchmark) expenditure level, as follows:~~

$$\text{Efficiency Gain} = \text{WACC} * (\text{Capex}_i^{\text{Forecast}} - \text{Capex}_i^{\text{Actual}})$$

where:

WACC is the pre-tax WACC.

~~(4)~~ For Operating Expenditure, the annual efficiency gain (or loss) flowing from a project in Calendar Year t would be calculated as:

$$\text{Efficiency Gain} = \text{Underspending}_t - \text{Underspending}_{t-1}$$

where:

$$\text{Underspending}_t = \text{Opex}_t^{\text{Forecast}} - \text{Opex}_t^{\text{Actual}}$$

~~(5)~~ For Operating Expenditure, the additional reward (penalty) associated with initiatives undertaken in a particular year would reflect the reduction (increase) in the level of recurrent Operating Expenditure in excess of the assumed productivity gain (as reflected in expenditure forecasts) over that year.

~~(b) For Capital Expenditure, the additional reward (penalty) associated with initiatives undertaken in a particular year would reflect the reduction (increase) in financing costs resulting from the difference between the actual and benchmark assumption for capital expenditure in that year. The financing savings would be calculated as the regulatory WACC multiplied by the Capital Expenditure saving.~~

(b) **The mechanism for carrying over efficiency gains**

~~(1)~~ For Operating Expenditure, it will be assumed that the Service Provider does not achieve more than the forecast productivity gain between the penultimate and last years of the Fourth Access Arrangement Period. As a result, if the Service Provider makes an efficiency gain in the last year of the Fourth Access Arrangement Period, there would be no carryover in respect of that year. However, the Operating Expenditure benchmark for the Fifth Access Arrangement Period will then be higher than otherwise for the Fifth Access Arrangement Period by the amount of the efficiency gain. This would provide the Service Provider with precisely the same reward had the expenditure level in the last year been known.

~~(2)~~ For Capital Expenditure, it would be assumed that the actual expenditure in the last year of the Fourth Access Arrangement Period was equal to the forecast for that year. As a result, if the Service Provider makes an efficiency gain in the last year of the Fourth Access Arrangement Period, there would be no carryover in respect of that year. However, the regulatory asset base (and thus the return on assets) would be higher than otherwise over the next period. This would imply that the 'return on assets' included in the revenue benchmarks would be higher, and provide the Service Provider with precisely the same reward as the carryover had the expenditure level in the last year been known. At the following review, the regulatory asset base would be adjusted to take account of the difference between the forecast and actual capital expenditure for the last year of the Third Access Arrangement Period.

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~~(3)(1)~~ There would be no adjustment to the original expenditure benchmarks against which the assessment of the efficiency gains in excess of the forecast would be measured, with the following exceptions:

- (A) the carryover of cost-related efficiency gains will be calculated in a manner that takes account of any change in the scope of the activities which form the basis of the determination of the original benchmarks. The Service Provider will provide information in relation to any change in scope, to be assessed by the Regulator, as part of the Access Arrangement Information submitted for the Fifth Access Arrangement Period. This information will, without limitation, quantify and substantiate the impact of the scope changes on the original benchmarks.
- (B) the carryover in respect of cost-related efficiency gains will be calculated in a manner that takes account of the difference between forecast and actual growth by adjusting the original benchmarks on the basis of the difference between the actual number of Connections in any Calendar Year and the assumed number of Connections for that year multiplied by the ~~Capital Expenditure per Connection and~~ Operating Expenditure per Connection.

~~The carryover in respect of cost-related efficiency gains will be calculated in a manner that takes account of any adjustment to the original benchmark to reflect any difference between the capital replacement works assumed in Reference Tariffs for the Fourth Access Arrangement Period and the works actually undertaken in the Fourth Access Arrangement Period.~~

~~This clause shall not be construed to mean that the Service Provider:~~

~~is required to undertake the forecast capital replacement works; or~~

~~is constrained in its discretion to determine the timing, size and nature of those capital replacement works.~~

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7 Fixed Principles

7.1 General

- (a) Rule 99 of the NGR provides that an Access Arrangement may include certain Fixed Principles .
- (b) No Fixed Principle can be varied or revoked by the Regulator without the consent of the Service Provider.
- (c) Each Fixed Principle will apply for different periods as described in this clause 7.
- (d) The period during which each Fixed Principle may not be changed is the Fixed Period (**Fixed Period**).

7.2 Adoption of Fixed Principles

In approving revisions to this Access Arrangement for the Fifth Access Arrangement Period, the Regulator is to adopt the Fixed Principles as set out below.

- (a) The Regulator will use incentive based regulation adopting a CPIX approach and not rate of return regulation. This Fixed Principle will apply until the end of the Fifth Access Arrangement Period.
- (b) The Regulator will adopt an X factor in the CPI-X formula so that only one X factor applies without revision for the second and following Calendar Years of the Fifth Access Arrangement Period to which the decision applies. The requirement to adopt a single X factor will not preclude a P0 adjustment in the first year of the Fifth Access Arrangement Period.

This Fixed Principle will apply until the end of the Fourth Access Arrangement Period.

- (c) The opening Capital Base for the Fifth Access Arrangement Period will be determined in accordance with rule 77(2) of the NGR and the opening capital base at the start of the Fourth Access Arrangement Period will be adjusted to take account of:
 - (1) changes to CPI over the Fourth Access Arrangement Period;
 - (2) the value of disposals in the ordinary course of business during the Fourth Access Arrangement Period, other than a disposal of:
 - (A) all of the assets and liabilities of the Service Provider;
 - (B) assets pursuant to which the assets of the Service Provider are sold and leased back to the Service Provider
 - (3) the principle that the Capital Base will not be reduced as a result of assets forming part of the Capital Base ceasing to contribute in any way to delivery of Pipeline Services;
 - (4) disposals in the ordinary course of business during Calendar Year 2012, other than a disposal of:
 - (A) all of the assets and liabilities of the Service Provider;
 - (B) assets pursuant to which the assets of the Service Provider were sold and leased back to the Service Provider; and

This Fixed Principle will apply until the end of the Fifth Access Arrangement Period.



- (d) For the Access Arrangement that applied from commencement of the First Access Arrangement Period, the Regulator approved the Fixed Principle here set out. Pursuant to clause 7.1 above and rule 99(3) of the NGR, this Fixed Principle applies in accordance with its terms. Accordingly, this Fixed Principle, if applicable applies until 31 December 2032.

"To the extent that the Rate of Return is relevant to the determination of Reference Tariffs, the Rate of Return on the Capital Base shall be calculated on a real, post-tax basis.

If applicable, this Fixed Principle applies for 30 years."

- (e) To the extent that the Rate of Return is relevant to the determination of Reference Tariffs, the Rate of Return on the Capital Base shall be calculated using the Capital Asset Pricing Model.

This Fixed Principle will apply until the end of the Fifth Access Arrangement Period.

- (f) To the extent that the application of clause 6.4 results in a positive efficiency carryover at the end of the Fourth Access Arrangement Period, the reward earned in the Fourth Access Arrangement Period is to be added to the Total Revenue and carried forward into the Fifth Access Arrangement Period, until it has been retained by the Service Provider for a period of a full five years, in accordance with clause 6.4.



8 Relevant Pass Through Event

The Service Provider may notify the AER of a Relevant Pass Through Event within 90 Business Days of the Relevant Pass Through Event occurring, where the impact of the event would lead to a Positive Pass Through Amount and must notify the AER of a Relevant Pass Through Event within 90 Business Days of the Relevant Pass Through Event occurring, whether the impact of the event would lead to a Negative Pass Through Amount.

If the Service Provider gives such a notice then, when the costs of the Relevant Pass Through Event incurred are known (or able to be estimated to a reasonable extent), then those costs shall be notified to the AER. When making a notification to the AER, the Service Provider will provide the AER with a statement, signed by an authorised officer of the Service Provider, verifying that the costs of the Relevant Pass Through Event are net of any payments made by an insurer or third party which partially or wholly offsets the financial impact of that event (including self insurance).

The AER must notify the Service Provider of its decision to approve or reject the proposed variations to its Reference Tariffs within 60 Business Days of receiving the notification. The AER may, by written notice to the Service Provider, extend the time limit if the AER is satisfied that the difficulty of assessing or quantifying the effect of the Relevant Pass Through Event justifies the extension. The notice must set out the length of the extension and the reason the extension is required.

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If the AER fails to make a decision in respect of the proposed variation within 60 Business Days or such longer period as the AER may have notified the Service Provider, then the AER will be taken to have approved the variations proposed by the Service Provider.

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In the case of the following Relevant Pass Through Events:

(a) Change in Taxes Event;

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(b) Declared Retailer of Last Resort Event;

(c) Insurer Credit Risk Event;

(d) Insurance Cap Event;

(e) Regulatory Change Event;

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(f) Service Standard Change Event;

(g) Terrorism Event; and

(h) Disaster Event.

the relevant definitions require there to be a Material increase or decrease in costs as a pre-condition to there being a Relevant Pass-Through Event.

For the purpose of these definitions Material means an increase or decrease in the costs of provision of Reference Services by an amount equal to or more than one per cent of the smoothed forecast revenue specified in the AER's final decision (in respect of the relevant Access Arrangement period) for the years in that Access Arrangement period in which those costs are incurred.

In the case of a Change in Taxes Event which causes a reduction in the Service Provider's revenue, for the purposes of applying the definition of Material and the preceding paragraphs of this clause 8 references to costs will be read as references to the reduced revenue due to that Change in Taxes Event.

Subject to the approval of the AER under the NGR, Reference Tariffs may be varied after a Relevant Pass Through Event occurs.



Any such variation will take effect from the first 1 January or, at the Service Provider's election, 1 July which follows the AER's decision (or, if applicable, deemed decision).

In making its decision on whether to approve the proposed Relevant Pass Through Event variation, the AER must take into account the following:

- (a) whether the costs to be passed through are for the delivery of Pipeline Services;
- (b) whether the costs are incremental to costs already allowed for in Reference Tariffs;
- (c) whether the costs to be passed through meet the relevant National Gas Rules criteria for determining the building block for total revenue in determining Reference Tariffs;
- (d) the efficiency of the Service Provider's decisions and actions in relation to the risk of the Relevant Pass Through Event occurring, including whether the Service Provider has failed to take any action that could reasonably be taken to reduce the magnitude of the costs incurred as a result of the Relevant Pass Through Event and whether the Service Provider has taken or omitted to take any action where such action or omission has increased the magnitude of the costs;
- (e) the time cost of money based on the weighted average cost of capital for the Service Provider for the Access Arrangement period in which the Relevant Pass-Through Event occurred;
- (f) the need to ensure that the financial effect of the Relevant Pass-Through Event on the Service Provider is economically neutral (provided that the costs which will be taken into account in determining whether the Service Provider is economically neutral are only those which meet the criteria for allowable expenditure in the National Gas Rules); and
- (g) any other factors the AER considers relevant and consistent with the NGR and NGL.

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A Pass Through Amount applied by the Service Provider under this clause 8 is not:

- (a) taken into account when deciding the Service Provider's Haulage Reference Tariffs or Haulage Reference Tariff Components used in clause 3 in deciding whether the Service Provider's Haulage Reference Tariffs or Haulage Reference Tariff Components comply with the Tariff Control Formula and rebalancing control formulae in clause 3; and
- (b) subject to the procedures in clause 4.

8.6 Whenever the Service Provider determines that its costs have increased or decreased materially or will increase or decrease materially as a result of a Relevant Pass Through Event, the Service Provider may apply to the Regulator for approval to increase or decrease the Reference Tariffs, in accordance with the procedures contained in this clause 8.

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8.6 Relevant Pass Through Event

8.6 If a Relevant Pass Through Event occurs, the Service Provider may give a statement to the Regulator within 3 months of the Relevant Pass Through Event occurring specifying:

- 8.6 details of the Relevant Pass Through Event concerned;
- 8.6 the date the Relevant Pass Through Event took or takes effect;
- 8.6 the estimated financial effect of the Relevant Pass Through Event on the Service Provider;



- ~~8.6the Pass Through Amount the Service Provider proposes in relation to the Relevant Pass Through Event;~~
- ~~8.6the basis on which the Pass Through Amount is to apply;~~
- ~~8.6the date from and period over which the Service Provider proposes to charge the Pass Through Amount; and~~
- ~~8.6how the Service Provider proposes to allocate the Pass Through Amount over that period and between Users and the price or charging structure that the Service Provider proposes to use to recover the Pass Through Amount from Users (being, the basis on which the Service Provider proposes the Pass Through Amount is to apply);~~
- ~~8.6If a Declared Retailer of Last Resort Event occurs, a Service Provider may give a statement to the Regulator within 120 Business Days of the Relevant Pass Through Event occurring specifying the actual financial impact of the Declared Retailer of Last Resort Event on the Service Provider. This is in addition to the provision of the estimated financial effect in accordance with clause 8.1(a)(3).~~

8.6Obligations of the Regulator

- ~~8.6If the Regulator receives a statement under clause 8.1, the Regulator must decide whether the Relevant Pass Through Event specified in the statement occurred or is continuing, and if the Regulator decides that the Relevant Pass Through Event occurred or is continuing, the Regulator must decide:~~
 - ~~8.6the Pass Through Amount; and~~
 - ~~8.6the basis on which the Pass Through Amount is to apply;~~
 - ~~8.6and notify the Service Provider in writing of the Regulator's decision.~~
- ~~8.6If the Regulator does not give a notice to the Service Provider under clause 8.2(a) within 30 Business Days of receiving a statement from the Service Provider under clause 8.1, on the 31st Business Day after receiving the statement from the Service Provider under clause 8.1 the Regulator is taken to have notified the Service Provider of its decision under clause 8.2(a) that the Pass Through Amount and the basis on which the Pass Through Amount is to apply are as specified in the statement given by the Service Provider under clause 8.1.~~
- ~~8.6Where the Relevant Pass Through Event specified in a statement submitted under clause 8.2(a) relates to a Declared Retailer of Last Resort Event, the time elapsed between submission by the Service Provider of the estimated financial impact in accordance with clause 8.1(a) and submission of the actual financial impact in accordance with clause 8.1(b) does not count towards the 30 Business Days in clause 8.2(b).~~

8.6Powers of the Regulator where a Relevant Pass Through Event Occurs

- ~~8.6If a Relevant Pass Through Event occurs and the Service Provider is likely to be affected by the Relevant Pass Through Event does not give the Regulator a statement under clause 8.1 concerning the Relevant Pass Through Event, the Regulator may decide:~~
 - ~~8.6the Pass Through Amount;~~
 - ~~8.6the date from and period over which the Pass Through Amount can be charged; and~~



~~8.6the basis on which the Pass Through Amount is to apply.~~

~~8.6Where under clause 8.3(a) the Regulator decides on a Negative Pass Through Amount, the Regulator:~~

~~8.6may decide to require the Service Provider to pass through the Negative Pass Through Amount decided by the Regulator on the basis decided by the Regulator; and~~

~~8.6where the Regulator decides to require the Service Provider to pass through the Negative Pass Through Amount, the Regulator must notify the Service Provider in writing of the Negative Pass Through Amount, the basis on which the Negative Pass Through Amount is to apply and the reasons for the Regulator's decision.~~

~~8.6Factors which the Regulator must consider~~

~~8.6In deciding the Pass Through Amount and the basis on which the Pass Through Amount is to apply under clauses 8.2 and 8.3, the Regulator must ensure that the financial effect on the Service Provider associated with the Relevant Pass Through Event concerned is economically neutral taking into account:~~

~~8.6the relative amounts of Reference Services supplied to each User;~~

~~8.6the time cost of money for the period over which the Pass Through Amount is to apply;~~

~~8.6the manner in which and period over which the Pass Through Amount is to apply;~~

~~8.6the financial effect to the Service Provider associated with the provision of Reference Services directly attributable to the Relevant Pass Through Event concerned, and the time at which the financial effect arises;~~

~~8.6if the Relevant Pass Through Event is a Change in Taxes Event the amount of any change in another tax which, in the Regulator's opinion, was introduced as complementary to the Change in Taxes Event concerned;~~

~~8.6the effect of any other previous Relevant Pass Through Event since the later of the date on which:~~

~~8.6this Access Arrangement takes effect; and~~

~~8.6the last decision made under clauses 8.2 and 8.3;~~

~~8.6any Pass Through Amount applied under this clause 8 relating to a previous Relevant Pass Through Event which resulted in the Service Provider recovering an amount either more or less than the financial effect on the Service Provider of that previous Relevant Pass Through Event; and~~

~~8.6any other factors the Regulator reasonably considers relevant.~~

~~8.6When the Service Provider applies a Pass Through Amount~~

~~8.6The Service Provider:~~

~~8.6may, after:~~

~~8.6receipt of a notice from the Regulator or a deemed receipt of a notice under clause 8.2 as to a Positive Pass Through Amount; and~~

~~8.6notifying its Users of:~~



~~8.6 the Positive Pass Through Amount which the Regulator has approved or is deemed to have approved; and~~

~~8.6 the basis on and date from which the Service Provider will apply the Positive Pass Through Amount;~~

~~8.6 apply the Positive Pass Through Amount specified in the notice to Users on the basis indicated in the notice; and~~

~~8.6 must, after receipt of a notice or deemed receipt of a notice from the Regulator, under clause 8.2, or after receipt of a notice under clause 8.3 as to a Negative Pass Through Amount apply the Negative Pass Through Amount on the basis decided by the Regulator.~~

~~8.6 The Pass Through Amount must be:~~

~~8.6 shown separately on each User's invoice; or~~

~~8.6 otherwise identified in a manner approved by the Regulator.~~

~~8.6 The Service Provider can only seek to reclaim from Users' Positive Pass Through Amounts in respect of Services provided from the time that the Service Provider:~~

~~8.6 notified its Users under clause 8.5(a)(1)(B); and~~

~~8.6 started showing or identifying the Positive Pass Through Amount as required under clause 8.5(b).~~

~~**8.6 Pass Through Amount not included in price control calculations**~~

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Schedule 1 – Initial Haulage Reference Tariffs V, Haulage Reference Tariff L and Haulage Reference Tariff D as at 1 January 2013 and Applicability Guidelines

Haulage Reference Tariff - Residential V

Applicability

A Distribution Supply Point will be assigned to Haulage Reference Tariff - Residential V if it has the following characteristics:

- (a) the User's Customer at the Distribution Supply Point is a Residential Customer; and
- (b) the Distribution Supply Point is not located within the Gippsland Towns area or Yarra Valley Town area described in Schedule 3.

Tariff Structure

Distribution Fixed Tariff Component \$0.~~4984-1688~~ per day (exclusive of GST) as at 1 January 2013.

Consumption Range (GJ/day)	Distribution Volume Tariff Component - Peak Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - Off peak Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - May Shoulder Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - Oct Shoulder Period (\$/GJ) (exclusive of GST)
0 - 0.5	8-8597.5363	7-5346.4067	8-4177.1603	8-4177.1603
> 0.05 – 0.1	6-3365.3902	5-3864.5817	6-0495.1207	6-0495.1207
> 0.1 – 0.15	3-2762.7867	2-7862.3696	3-1132.6483	3-1132.6483
>0.15 –0.25	1-6581.4104	1-4091.1988	1-5751.3399	1-5751.3399
>0.25	1-2301.0467	1-0600.9016	1-1841.0076	1-1841.0076

Haulage Reference Tariff - Non-residential V

Applicability

A Distribution Supply Point will be assigned to Haulage Reference Tariff - Non-residential V if it has the following characteristics:

- (a) the User's Customer at the Distribution Supply Point is a Non-residential Customer; and
- (b) the Distribution Supply Point is not to be assigned to Haulage Reference Tariff – Non-residential D or Haulage Reference Tariff – Non-residential L in accordance with clause 1 and this Schedule 1; and
- (c) the Distribution Supply Point is not located within the Gippsland Towns area or Yarra Valley Town area described in Schedule 3.



Tariff Structure

Distribution Fixed Tariff Component \$0.~~3259~~2773 per day (exclusive of GST) as at 1 January 2013.

Consumption Range (GJ/day)	Distribution Volume Tariff Component - Peak Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - Off peak Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - May Shoulder Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - Oct Shoulder Period (\$/GJ) (exclusive of GST)
0 - 0.5	4.0283 <u>4.262</u>	3.3522 <u>8.514</u>	3.6963 <u>1.442</u>	3.6963 <u>1.442</u>
> 0.05 – 0.1	2.5492 <u>1.683</u>	2.2451 <u>8.845</u>	2.2941 <u>9.515</u>	2.2941 <u>9.515</u>
> 0.1 – 0.15	4.5291 <u>3.011</u>	4.3261 <u>1.279</u>	4.4531 <u>2.360</u>	4.4531 <u>2.360</u>
>0.15 –0.25	0.8540 <u>7.241</u>	0.8040 <u>6.836</u>	0.8290 <u>7.055</u>	0.8290 <u>7.055</u>
>0.25	0.2840 <u>2.417</u>	0.2270 <u>1.931</u>	0.2560 <u>2.174</u>	0.2560 <u>2.174</u>

Haulage Reference Tariff –Non-residential L

Applicability

A Distribution Supply Point will be assigned to Haulage Reference Tariff - Non-residential L if it meets the following characteristics:

- the User's Customer at the Distribution Supply Point is a Non-residential Customer; and
- the Distribution Supply Point does not have the characteristics that would otherwise enable it to be assigned to Haulage Reference Tariff – Non-residential D; and
- the Quantity withdrawn at that Distribution Supply Point exceeds, or is likely to exceed, 5,000 GJ of Gas in any 6 month period. If less than 6 months' data is available, the consumption is prorated to 183 days.

Tariff Structure

The Charge comprises a Distribution Volume Tariff Component and a Distribution Demand tariff Component as follows:

Consumption Range (GJ/day)	Distribution Volume Tariff Component - Peak Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - Off peak Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - May Shoulder Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - Oct Shoulder Period (\$/GJ) (exclusive of GST)
< 5	0.6720 <u>5.717</u>	0.4730 <u>4.021</u>	0.5940 <u>5.069</u>	0.5940 <u>5.069</u>
> 5	0.4440 <u>1.226</u>	0.4070 <u>0.914</u>	0.4350 <u>1.152</u>	0.4350 <u>1.152</u>



Distribution Demand Tariff Component – Rolling 12 month rolling—maximum Maximum demandMHQ (\$/GJ-MHQ per day) (exclusive of GST)	Distribution Demand Tariff Component– Peak Maximum-demandMHQ (\$/GJ-MHQ per day) (exclusive of GST)
0.6250.5316	4.8701.5905

Haulage Reference Tariff – Non-residential D

Applicability

A Distribution Supply Point will be assigned to Haulage Reference Tariff – Non-residential D if it has the following characteristics:

- (a) the User's Customer at the Distribution Supply Point is a Non-residential Customer; and
- (b) the Quantity withdrawn at that Distribution Supply Point:
 - (1) exceeds 10,000 GJ in the immediately preceding 12 month period. If less than 12 months' data is available, the consumption is prorated to 365 days, or
 - (2) in any hour in the immediately preceding 12 month period exceeds 10 GJ; and
- (c) the Distribution Supply Point is not located within the Gippsland Towns area described in Schedule [3](#).

Tariff Structure

Annual MHQ (GJ/hr)	Distribution Demand Tariff Component– 12 month rolling maximum demand (\$/GJ-MHQ per day) (exclusive of GST)
All demand 0 – 50	4.719533.7697
Any demand > 50	0.29290.8162

Haulage Reference Tariff – Residential V Yarra Valley Towns

Applicability

A Distribution Supply Point will be assigned to Haulage Reference Tariff - Residential V Yarra Valley Towns if it has the following characteristics:

- (a) the User's Customer at the Distribution Supply Point is a Residential Customer; and
- (b) the Distribution Supply Point is located within the Yarra Valley Towns area described in Schedule 3.



Tariff Structure

Distribution Fixed Tariff Component \$~~0.4984~~0.1688 per day (exclusive of GST) as at 1 January 2013

Consumption Range (GJ/day)	Distribution Volume Tariff Component - Peak Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - Off peak Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - May Shoulder Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - Oct Shoulder Period (\$/GJ) (exclusive of GST)
0 - 0.5	42.478 <u>10.6148</u>	44.2269 <u>5.5501</u>	42.064 <u>10.2598</u>	42.064 <u>10.2598</u>
> 0.05 – 0.1	40.4048 <u>5.929</u>	9.2067 <u>8.315</u>	9.8038 <u>3.392</u>	9.8038 <u>3.392</u>
> 0.1 – 0.15	7.2296 <u>1.422</u>	6.7575 <u>7.484</u>	7.0666 <u>0.110</u>	7.0666 <u>0.110</u>
>0.15 –0.25	5.6964 <u>8.452</u>	5.4614 <u>6.459</u>	5.6184 <u>7.788</u>	5.6184 <u>7.788</u>
>0.25	5.3084 <u>5.158</u>	5.4324 <u>3.659</u>	5.2504 <u>4.658</u>	5.2504 <u>4.658</u>

Haulage Reference Tariff – Non-residential V Yarra Valley Towns

Applicability

A Distribution Supply Point will be assigned to Haulage Reference Tariff - Non-residential V Yarra Valley Towns if it has the following characteristics:

- (a) the User's Customer at the Distribution Supply Point is a Non-residential Customer; and
- (b) the Distributions Supply Point is not to be assigned to Haulage Reference Tariff – Non-residential D or Haulage Reference Tariff – Non-residential L in accordance with clause 1 and this Schedule 1; and
- (c) the Distribution Supply Point is located within the Yarra Valley Towns Distribution area described in Schedule 3.

Tariff Structure

Distribution Fixed Tariff Component \$~~0.3259~~per 0.2773 per day (exclusive of GST) as at 1 January 2013.

Consumption Range (GJ/day)	Distribution Volume Tariff Component - Peak Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - Off peak Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - May Shoulder Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - Oct Shoulder Period (\$/GJ) (exclusive of GST)
0 - 0.5	8.0266 <u>8.275</u>	7.3736 <u>2.721</u>	7.7066 <u>5.550</u>	7.7066 <u>5.550</u>
> 0.05 – 0.1	6.5975 <u>6.121</u>	6.2755 <u>3.378</u>	6.3545 <u>4.026</u>	6.3545 <u>4.026</u>
> 0.1 – 0.15	5.6424 <u>7.741</u>	5.4454 <u>6.068</u>	5.5384 <u>7.112</u>	5.5384 <u>7.112</u>



>0.15 –0.25	4.9574.2166	4.9114.1774	4.9364.1986	4.9364.1986
>0.25	4.4093.7504	4.3543.7035	4.3843.7270	4.3843.7270

Haulage Reference Tariff – Residential V Gippsland Towns

Applicability

A Distribution Supply Point will be assigned to Haulage Reference Tariff – Residential V Gippsland Towns if it has the following characteristics:

- the User's Customer at the Distribution Supply Point is a Residential Customer; and
- the Distribution Supply Point is located within the Gippsland Towns area described in Schedule 3.

Tariff Structure

Distribution Fixed Tariff Component ~~\$0.1984~~per0.1688 per day (exclusive of GST) as at 1 January 2013.

Consumption Range (GJ/day)	Distribution Volume Tariff Component - Peak Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - Off peak Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - May Shoulder Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - Oct Shoulder Period (\$/GJ) (exclusive of GST)
0 - 0.5	13.589 <u>11.5523</u>	12.254 <u>10.4217</u>	13.137 <u>11.1753</u>	13.136 <u>11.1753</u>
> 0.05 – 0.1	11.0569 <u>.4052</u>	10.1068 <u>.5967</u>	10.7399 <u>.1358</u>	10.7399 <u>.1358</u>
> 0.1 – 0.15	7.9976 <u>.8028</u>	7.5056 <u>.3846</u>	7.8336 <u>.6634</u>	7.8336 <u>.6634</u>
>0.15 –0.25	6.3785 <u>.4254</u>	6.1295 <u>.2137</u>	6.2955 <u>.3549</u>	6.2955 <u>.3549</u>
>0.25	5.9665 <u>.0756</u>	5.7794 <u>.9164</u>	5.9045 <u>.0226</u>	5.9045 <u>.0226</u>

Haulage Reference Tariff – Non-residential V Gippsland Towns

Applicability

A Distribution Supply Point will be assigned to Haulage Reference Tariff - Non-residential V Gippsland Towns if it has the following characteristics:

- the User's Customer at the Distribution Supply Point is a Non-residential Customer; and
- the Distributions Supply Point is not to be assigned to Haulage Reference Tariff – Non-residential D or Haulage Reference Tariff – Non-residential L in accordance with clause 1 and this Schedule 1; and
- the Distribution Supply Point is located within the Gippsland Towns area described in Schedule 3.

Tariff Structure

Distribution Fixed Tariff Component ~~\$0.3344~~per0.2845 per day (exclusive of GST)



Consumption Range (GJ/day)	Distribution Volume Tariff Component - Peak Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - Off peak Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - May Shoulder Period (\$/GJ) (exclusive of GST)	Distribution Volume Tariff Component - Oct Shoulder Period (\$/GJ) (exclusive of GST)
0 - 0.5	<u>8.8527.5305</u>	<u>8.1596.9407</u>	<u>8.5127.2412</u>	<u>8.5127.2412</u>
> 0.05 – 0.1	<u>7.3356.2398</u>	<u>6.9935.9485</u>	<u>7.0736.0173</u>	<u>7.0736.0173</u>
> 0.1 – 0.15	<u>6.2845.3499</u>	<u>6.0805.1722</u>	<u>6.2405.2831</u>	<u>6.2405.2831</u>
>0.15 –0.25	<u>5.5434.7579</u>	<u>5.5444.7163</u>	<u>5.5704.7387</u>	<u>5.5704.7387</u>
>0.25	<u>5.0114.2628</u>	<u>4.9524.2130</u>	<u>4.9824.2379</u>	<u>4.9824.2379</u>

Haulage Reference Tariff – Non-residential D Gippsland Towns

Applicability

A Distribution Supply Point will be assigned to Haulage Reference Tariff – Non-residential D Gippsland Towns if it has the following characteristics:

- (a) the User's Customer at the Distribution Supply Point is a Non-residential Customer; and
- (b) the Quantity withdrawn at that Distribution Supply Point:
 - (1) exceeds 10,000 GJ in the immediately preceding 12 month period. If less than 12 months' data is available, the consumption is prorated to 365 days, or
 - (2) in any hour in the immediately preceding 12 month period exceeds 10 GJ; and
- (c) the Distribution Supply Point is located within the Gippsland Towns area described in Schedule 3.

Tariff Structure

<u>Annual MHQ</u> (GJ/hr)	<u>Distribution Demand Tariff Component –</u> <u>12-month-rolling-maximum-demand</u> (\$/GJ-MHQper-day) (exclusive of GST)
<u>All Demand</u> 0 – 50	<u>2.205684.6860</u>
<u>Any Demand</u> > 50	<u>0.375116.4865</u>



Haulage Reference Tariff – Carbon Tax Tariff

A Carbon Tax Tariff will apply to all tariffs and Distribution Supply Points of the Distribution System (including Yarra Valley Towns and Gippsland Towns) in accordance with the tables below for 2013 and in accordance with formula 4 set out in Appendix 1 for years after 2013.

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Carbon tax tariff effective 01 Jan 2013 – 30 June 2013

<u>Tariff Description</u>	<u>Carbon Tax Tariff</u> <u>(\$/GJ)</u> <u>(exclusive of GST)</u>
<u>Tariff V Residential</u>	<u>0.1651</u>
<u>Tariff V Commercial</u>	<u>0.0642</u>
<u>Tariff D+L <100,000 GJ/year</u>	<u>0.0083</u>
<u>Tariff D+L >100,000 GJ/year</u>	<u>0.0026</u>

Carbon tax tariff effective 01 July 2013 – 31 December 2013

<u>Tariff Description</u>	<u>Carbon Tax Tariff</u> <u>(\$/GJ)</u> <u>(exclusive of GST)</u>
<u>Tariff V Residential</u>	<u>0.1851</u>
<u>Tariff V Commercial</u>	<u>0.0633</u>
<u>Tariff D+L <100,000 GJ/year</u>	<u>0.0096</u>
<u>Tariff D+L >100,000 GJ/year</u>	<u>0.0030</u>



Haulage Reference Tariff –Unaccounted for Gas Tariff

An Unaccounted for Gas Tariff will apply to all tariffs and Distribution Supply Points of the Distribution System (including Yarra Valley Towns and Gippsland Towns) as determined in accordance with formula 5 of Appendix 1.



Schedule 2 – Initial Ancillary Reference Tariffs (\$2013)

Reference Service Description	Tariff \$ GST Exc
Meter Investigation – High Account Investigation Between the hours of 8am and 4pm on a Business Day	\$133.64
Meter Disconnection – Use of locks & plugs Between the hours of 8am and 4pm on a Business Day	\$46.81
Meter Removal – Various Between the hours of 8am and 4pm on a Business Day	\$55.93
Reconnect Between the hours of 8am and 4pm on a Business Day	\$39.46
Special Meter Reads Between the hours of 8am and 4pm on a Business Day	\$6.01



Schedule 3 – Yarra Valley and Gippsland Towns areas

Yarra Valley Towns area

Town	Postcode
Yarra Glen	3775
Wandin	3139
Seville	3139
Seville East	3139
Woori Yallock	3139
Launching Place	3139
Yarra Junction	3797
Wesburn	3799
Millgrove	3799

Gippsland Towns area

Town	Postcode
Lang Lang	3984
Korumburra	3950
Leongatha	3953
Inverloch	3996
Wonthaggi	3995



Schedule 4 – Content of annual tariff report

1 Introduction

- (a) Describe the licensing basis upon which the distributor supplies gas to customers
- (b) Describe the period that the tariff report applies to
- (c) Include the postcodes applicable to the distributor's Reference and Ancillary Reference tariffs
- (d) Include a map highlighting location of each gas distribution business's pricing Zones

2 Reference and Ancillary Reference Tariffs

- (a) Describe the costs that are recovered by Reference Tariffs
 - (1) Describe each Reference Tariff and how it is charged
- (b) Describe the costs that are recovered by Ancillary Reference tariffs
 - (1) Describe each Ancillary Reference tariff and how it is charged
- (c) Describe the principles used to set tariffs

3 Methodology to set Reference Tariffs

- (a) Discuss the derivation of each tariff V and tariff D Reference Tariff
 - (1) Describe the allocation of costs to each tariff (i.e. the tariffs listed in item 4(a))
- (b) Discuss the derivation of the tariff V and tariff D Reference Tariff Structures
 - (1) Describe the allocation of costs to each tariff component for the tariffs listed in item 4(a)
- (c) Discuss the cost differences underlying different zonal tariffs

4 Current Reference and Ancillary Reference Tariffs

- (a) Reference Tariffs
 - (1) Discuss all approved tariffs for the year under consideration
 - (2) Discuss tariff component time period

Tariff Component Time Periods

Rate	Time
Peak	Date/time a to date/time b
Off-peak	Date/time c to date/time d
Other	Date/time e to date/time f

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- (3) Describe Price Control regime and how this was applied to vary tariffs for the year under consideration
 - (A) Include table of price control parameters for current year
- (4) Future Tariffs and future tariff issue – discuss the movement in Reference Tariffs in the remaining years of regulatory period
- (b) Ancillary Reference Tariffs
 - (1) Define all approved tariffs and how they were varied for the year under consideration. Also discuss the basis of future year movements.

5 New tariffs/new tariff structures

- (a) Identification of new tariffs/new tariff structures – identify any new tariffs or new tariff structures which are proposed to be introduced in the next calendar year
- (b) Derivation of new tariff/new tariff structure
 - (1) Describe and provide reasons for introducing the new tariffs or changing a tariff structure from that approved during the GAAR
 - (2) Identify and reconcile the costs, consumption and customer numbers of the original tariff with the new tariff(s)/new tariff structure(s)

6 Previous year tariffs and current year (year of report) tariffs

- (a) List all approved Reference Tariffs (including Ancillary Reference Tariffs)

7 Impact of Reference Tariff variations

- (a) Provide tabulated calculations and a discussion to show the impact of proposed variations in each Reference Tariff – using average usage for that tariff
 - (1) The tables will also include the customer impact for the introduction of a new tariff or a new tariff structure

Change in tariff components

Component	Year t-1 Rate	Year t Rate	% Change
Fixed Charge			
Peak components			
Off-peak components			
Other components			

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Change in customer charge

Component	Year t-1 Rate	Year t Rate	Days/Energy	Cost Change (\$)
Fixed Charge				
Peak components				
Off-peak components				
Other components				
Total Cost Change				

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Change in customer charge

Reference Tariff	Year t-1 (\$/customer)	Year t (\$/customer)	% Change
Reference Tariff 1			
Reference Tariff n			

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Part B: Appendix 1 – Tariff Control Formula

Formula 1

TARIFF CONTROL FORMULA – 2013 to 2017

$$(1 + CPI_t)(1 - X_t)(1 + L_t)(1 + A_t) \geq \frac{\sum_{i=1}^n \sum_{j=1}^m p_t^{ij} * q_{t-2}^{ij}}{\sum_{i=1}^n \sum_{j=1}^m p_{t-1}^{ij} * q_{t-2}^{ij}}$$

where the Service Provider has n Haulage Reference Tariff categories, each category having up to m Haulage Reference Tariff Components and where:

- p_t^{ij} is the proposed Haulage Reference Tariff for Haulage Reference Tariff Component j of Haulage Reference Tariff i in Calendar Year t;
- p_{t-1}^{ij} is the Haulage Reference Tariff being charged for Haulage Reference Tariff Component j of Haulage Reference Tariff i in Calendar Year t-1;
- q_{t-2}^{ij} is the Quantity of Haulage Reference Tariff Component j of Haulage Reference Tariff i that was sold in Calendar Year t-2;
- CPI_t is defined in the Glossary;
- X_t is -0.75% for Calendar Year 2013 and 0% for each of the Calendar Years 2014 - 17;
- L_t is the licence fee factor as defined in Formula 42; and
- A_t is an approved Pass Through Factor for Calendar Year t, as defined below.



Formula 2

LICENCE FEE FACTOR

L_t is the Licence Fee pass through adjustment to the Distribution price control in Calendar Year t for the Service Provider is determined below:

Calculation of the Licence Fee factor

The Licence Fee pass through adjustment L_t , for the Service Provider, is:

$$1 + L_t = \frac{(1 + L'_t)}{(1 + L'_{t-1})}$$

where:

$$L'_t = \frac{lf_{t-1}(1 + \text{pretaxWACC}_D)^{3/2}(1 + CPI_t)^{3/2}}{(1 + CPI_t)(1 - X_t)(1 + A_t) \sum_{i=1}^n \sum_{j=1}^m p_{t-1}^{ij} q_{t-2}^{ij}}$$

- L'_{t-1} (a) if Calendar Year t is the Calendar Year ending 31 December 2013, is zero;
 (b) if Calendar Year t is after the Calendar Year ending 31 December 2013, is the value of L'_t determined in the Calendar Year $t-1$;

lf_{t-1} is the Licence Fee paid by the Service Provider for the Financial Year ending in June of the Calendar Year $t-1$;

CPI_t is the CPI for Calendar Year t , as defined in the Glossary;

X_t is -0.75% for Calendar Year 2013 and 0% for each of the Calendar Years 2014-2017;

p_{t-1}^{ij} ~~is for each Haulage Reference Service the Haulage Reference Tariff being charged for Haulage Reference Tariff Component j of Haulage Reference Tariff i in Calendar Year $t-1$ is the Haulage Reference Tariff being charged for Haulage Reference Tariff Component j of Haulage Reference Tariff i in Calendar Year $t-1$;~~

q_{t-2}^{ij} ~~is for each Haulage Reference Service the Quantity of Haulage Reference Tariff Component j of Haulage Reference Tariff i that was sold in Calendar Year $t-2$ is the Quantity of Haulage Reference Tariff Component j of Haulage Reference Tariff i that was sold in Calendar Year $t-2$;~~

A_t is an approved Pass Through Factor for Calendar Year t , as defined below.

Pre-tax $WACC_D$ is 7.246.54%, being the implied real pre tax WACC applying to the Service Provider.



Formula 3

ADJUSTMENT FACTOR A

The Cost Pass-through Factor is:

A_t is the approved amount of Pass through adjustment to the Distribution price control in Calendar Year t for the Service Provider is determined below:

Calculation of the Pass-through factor

The Pass-through Factor pass through adjustment A_t , for the Service Provider is:

$$1 + A_t = \frac{(1 + A'_t)}{(1 + A'_{t-1})}$$

where:

$$A'_t = \frac{ap_{t-1}(1 + \text{pretaxWACC}_D)^{3/2}(1 + CPI_t)^{3/2}}{(1 + CPI_t)(1 - X_t) \sum_{i=1}^n \sum_{j=1}^m p_{t-1}^{ij} q_{t-2}^{ij}}$$

- A'_{t-1}
- (a) if Calendar Year t is the Calendar Year ending 31 December 2013, is zero;
 - (b) if Calendar Year t is after the Calendar Year ending 31 December 2013, is the value of A'_t determined in the Calendar Year $t-1$;

- ap_{t-1}
- (a) if Calendar Year t is the Calendar Year ending 31 December 2013, is the amount of any Cost Pass Through Amount paid or payable by the distributor in Calendar Year 2012;
 - (b) if Calendar Year t is after the Calendar Year ending 31 December 2012, is the amount of any approved Pass through paid by the Service Provider for the Financial Year ending in June of the Calendar Year $t-1$;

CPI_t is the CPI for Calendar Year t , as defined in the Glossary;

X_t Is -0.75% for Calendar Year 2013 and 0% for each of the Calendar Years 2014-2017;

p_{t-1}^{ij} ~~is for each Haulage Reference Service the Haulage Reference Tariff being charged for Haulage Reference Tariff Component j of Haulage Reference Tariff i in Calendar Year $t-1$ is the Haulage Reference Tariff being charged for Haulage Reference Tariff Component j of Haulage Reference Tariff i in Calendar Year $t-1$;~~

q_{t-2}^{ij} ~~is for each Haulage Reference Service the Quantity of Haulage Reference Tariff Component j of Haulage Reference Tariff i that was sold in Calendar Year $t-2$ is the Quantity of Haulage Reference Tariff Component j of Haulage Reference Tariff i that was sold in Calendar Year $t-2$;~~

Pre-tax $WACC_D$ is 7.246.54%, being the implied real pre tax WACC applying to the Service Provider.



Formula 4

The Carbon Tax Tariff

When assessing ~~a DNSP's~~ Multinet's proposed tariffs, submitted in accordance with this Access Arrangement, the AER will assess whether the expected revenue from Carbon Tax tariffs (CTR_t), is less than or equal to the Maximum Carbon Tax Revenue allowed ($MCTR_t$):

$$CTR_t \leq MCTR_t$$

where:

$MCTR_t$ is determined by the formula below; and

CTR_t is the total of ~~the DNSP's~~ Multinet's proposed Carbon tax tariffs multiplied by the corresponding forecast quantities to be distributed for each tariff component of each tariff, in calendar year t.

Maximum Carbon Tax Revenue ($MCTR_t$)

$MCTR_t$ is expressed by the formula as set out below:

$$MCTR_t = CTP_t - K_t$$

where:

$MCTR_t$ is the maximum carbon tax tariff revenue ~~the DNSP~~ Multinet is allowed to receive from its Carbon Tax tariffs from all distribution customers for the calendar year t;

CTP_t is the aggregate of all charges which ~~the DNSP~~ Multinet forecasts it will be required to pay in Carbon tax or in purchasing Carbon Tax Permits in respect of calendar year t, and

K_t is determined in accordance with the description provided below.

Correction factor K_t

K_t is a correction factor to account for any under or over recovery of actual revenue from Carbon Tax tariffs in relation to allowed revenue.

K_t is determined by reference to the formula set out below.

$$K_t = (Ky_t + Kz_t + K_{t-1})(1 + CPI_t)(1 + \text{pretaxWACC}_D)$$

where:

Ky_t is calculated in accordance with the description provided below;

Kz_t is calculated in accordance with the description provided below;

K_{t-1} is the figure calculated for K_t for calendar year t-1;

Pre-tax WACCD is 7.246.54%; and

CPI_t is the CPI for Calendar Year t, as defined in the Glossary.



Calculation of Ky_t

Ky_t is a correction factor determined with reference to the formula in this clause.

$$Ky_t = CTR_{t-1} - CTP_{t-1}$$

where:

CTR_{t-1} is the total revenue which it is estimated ~~the DNSP~~ Multinet will earn from its Carbon Tax tariffs in respect of all distribution customers in calendar year t-1; and

CTP_{t-1} is the aggregate of all Carbon tax charges which it is estimated will be payable by ~~the DNSP~~ Multinet, during calendar year t-1.

Calculation of Kz_t

Kz_t is a correction factor for the difference between the estimates made ~~in clause 3.8.4~~ in calendar year t-1 and actual audited values and is expressed by the formula in this clause.

$$Kz_t = \{ (CTR_{a,t-2} - CTR_{e,t-2}) - (CTP_{a,t-2} - CTP_{e,t-2}) \} \times (1 + \text{pretaxWACC}_D)(1 + CPI_{t-1})$$

where:

$CTR_{a,t-2}$ is the actual audited total revenue earned by ~~the DNSP~~ Multinet from Carbon tax tariffs in respect of all distribution customers in calendar year t-2;

$CTR_{e,t-2}$ is the figure used for t-1 CTR_{t-1} when calculating Ky_t for calendar year t-2 ~~under clause 3.8.4~~;

$CTP_{a,t-2}$ is the audited aggregate of all Carbon Tax charges which were paid by ~~the DNSP~~ Multinet during calendar year t-2;

$CTP_{e,t-2}$ is the figure used for CTP_{t-1} when calculating Ky_t for calendar year t-1 ~~under clause 3.8.4~~;

CPI_{t-1} is CPI_t as defined in the Glossary for the calendar year t-1.

Pre-tax WACCD is 7.246.54%.

Note: K_t is zero for 2012.

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Formula 5

Unaccounted for Gas

When assessing Multinet's proposed tariffs, submitted in accordance with this Access Arrangement, the AER will assess whether the expected revenue from Unaccounted for Gas (UGR_t), is less than or equal to the Maximum Unaccounted for Gas Revenue allowed ($MUGR_t$):

$$UGR_t \leq MUGR_t$$

where:

$MUGR_t$ is determined by the formula below: and

UGR_t is the total of Multinet's proposed Unaccounted for Gas tariffs multiplied by the corresponding forecast quantities to be distributed for each tariff component of each tariff, in calendar year t.

Maximum Unaccounted for Gas Revenue ($MUGR_t$)

$MUGR_t$ is expressed by the formula as set out below:

$$MUGR_t = UGP_t - K_t$$

where:

$MUGR_t$ is the maximum Unaccounted for Gas tariff revenue Multinet is allowed to receive from its Unaccounted for Gas tariffs from all distribution customers for the calendar year t;

UGP_t is the aggregate of all costs which Multinet forecasts it will be required to pay for Unaccounted for Gas liability and in managing procurement of gas, if required, in respect of calendar year t, and

K_t is determined in accordance with the description provided below.

Correction factor K_t

K_t is a correction factor to account for any under or over recovery of actual revenue from Unaccounted for Gas tariffs in relation to allowed revenue.

K_t is determined by reference to the formula set out below.

$$K_t = (Ky_t + Kz_t + K_{t-1})(1 + CPI_t)(1 + \text{pretaxWACC}_D)$$

where:

Ky_t is calculated in accordance with the description provided below;

Kz_t is calculated in accordance with the description provided below;

K_{t-1} is the figure calculated for K_t for calendar year t-1;

Pre-tax WACCD is 7.246.54%; and



CPI_t is the CPI for Calendar Year t, as defined in the Glossary.

Calculation of Ky_t

Ky_t is a correction factor determined with reference to the formula in this clause.

$$Ky_t = \frac{CTR_{t-1} - CTP_{t-1}}{CTR_{t-1}}$$

where:

CTR_{t-1} is the total revenue which it is estimated Multinet will earn from its Unaccounted for Gas tariffs in respect of all distribution customers in calendar year t-1; and

CTP_{t-1} is the aggregate of all Unaccounted for Gas costs which it is estimated will be payable by Multinet, during calendar year t-1.

Calculation of Kz_t

Kz_t is a correction factor for the difference between the estimates made in calendar year t-1 and actual audited values and is expressed by the formula in this clause.

$$Kz_t = \frac{\{(UGRa_{t-2} - UGRe_{t-2}) - (UGPa_{t-2} - UGPe_{t-2})\} \times (1 + \text{pretaxWACC}_D)(1 + CPI_{t-1})}{UGRa_{t-2}}$$

where:

$UGRa_{t-2}$ is the actual audited total revenue earned by Multinet from Unaccounted for Gas tariffs in respect of all distribution customers in calendar year t-2;

$UGRe_{t-2}$ is the figure used for t-1 UGR_{t-1} when calculating Ky_t for calendar year t-2;

$UGPa_{t-2}$ is the audited aggregate of all Unaccounted for Gas costs which were paid by Multinet during calendar year t-2;

$UGPe_{t-2}$ is the figure used for UGP_{t-1} when calculating Ky_t for calendar year t-1;

CPI_{t-1} is CPI_t as defined in the Glossary for the calendar year t-1.

Pre-tax WACCD is 7.246.54%.

Note: K_t is zero for 2012.



Part B: Appendix 2 – Rebalancing Control Formula - 2013 to 2017

Rebalancing Controls on Haulage Reference Tariffs

- (a) The Service Provider will maintain Haulage Reference Tariffs between:
- (1) an upper limit of the cost to bypass the network; and
 - (2) a lower limit of the marginal cost of supply.
- (b) In undertaking any rebalancing, the Service Provider will ensure that the proposed Haulage Reference Services comply with the relevant Rebalancing Control Formula as set out in this clause 3.5 as follows:
- (c) No rebalancing control is applied in Calendar year 2013.

Rebalancing Control Formula:

$$(1 + CPI_t)(1 - X_t)(1 + Y_t)(1 + L_t)(1 + A_t) \geq \frac{\sum_{i=1}^n \sum_{j=1}^m p_t^{ij} * q_{t-2}^{ij}}{\sum_{i=1}^n \sum_{j=1}^m p_{t-1}^{ij} * q_{t-2}^{ij}}, i = 1, \dots, n$$

where:

- p_t^{ij} is for each Haulage Reference Service the proposed Haulage Reference Tariff component j for Haulage Reference Tariff i in Calendar Year t is the proposed Haulage Reference Tariff for Haulage Reference Tariff Component j of Haulage Reference Tariff i in Calendar Year t;
- p_{t-1}^{ij} is for each Haulage Reference Service the Haulage Reference Tariff component j being Charged for Haulage Reference Tariff i in Calendar Year t-1 is the Haulage Reference Tariff being charged for Haulage Reference Tariff Component j of Haulage Reference Tariff i in Calendar Year t-1;
- q_{t-2}^{ij} is for each Haulage Reference Service the Quantity of Haulage Reference Tariff Component j of Haulage Reference Tariff i that was sold in Calendar Year t-2 is the Quantity of Haulage Reference Tariff Component j of Haulage Reference Tariff i that was sold in Calendar Year t-2;
- CPI_t is the CPI for Calendar Year t, as defined in the Glossary;
- X_t is 7.246.54%, If $X > 0$, then X will be set equal to zero;
- Y_t is equal to 0.025; and
- L_t is the Licence Fee factor as defined in clause 3.1. If $L_t < 0$, then $(1 + L_t) = 1$.
- A_t is an approved Pass Through Factor for Calendar Year t. If $A_t < 0$, then $(1 + A_t) = 1$.

