



# **ACCESS ARRANGEMENT**

**for AGN's**

**South Australian Gas Distribution Network**

**1 July 2016 – 30 June 2021**

July 2015

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## **1. INTRODUCTION**

### **1.1 Purpose of this Document**

Australian Gas Networks Limited (ABN 19 078 551 685) (**AGN**) submits this revision to its Access Arrangement for its South Australian Gas Distribution System (the **Network**) in accordance with section 10.1 of its Access Arrangement and Rule 52 of the National Gas Rules 2008 (**Rules**).

AGN is the owner of the Network and not a local agent of a Service Provider, nor is it acting on behalf of another Service Provider.

The geographical spread of the Network is shown in Annexure A, with further detail provided in the Access Arrangement Information. A description of the Network can be found at [www.AustralianGasNetworks.com.au](http://www.AustralianGasNetworks.com.au).

This Access Arrangement as revised describes the terms and conditions on which access will be granted to the Network, and contains the required elements of an Access Arrangement as described in Rule 48 of the Rules. This Access Arrangement is accompanied by a revised Access Arrangement Information.

### **1.2 Revisions Commencement Date**

Revisions to the Access Arrangement will come into effect on the later of 1 July 2016 and the date on which the revisions to the Access Arrangement take effect in accordance with the Rules.

### **1.3 Definitions and Interpretation**

In this Access Arrangement and the Access Arrangement Information, unless the context indicates otherwise:

- (a) where a word or phrase begins with a capital letter:
  - (1) it has the meaning given to it in the glossary that is set out in section 10 of this Access Arrangement;
  - (2) if it is not defined in the glossary, it has the meaning given to it in the Rules; and
  - (3) a reference to a "Rule" is a reference to the relevant section of the Rules.
- (b) where a word or phrase is defined, its other grammatical forms have a corresponding meaning; and
- (c) headings are for convenience only and do not affect interpretation.

### **1.4 Contact Details**

The contact person for further details in relation to this Access Arrangement is:

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Adelaide SA 5000  
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## **2. SERVICES**

### **2.1 General**

The Network Services which AGN will make available to Network Users and Prospective Network Users in accordance with the Rules comprise:

- (a) Haulage Reference Services, which are described in section 2.2;
- (b) Ancillary Reference Services, which are described in section 2.3; and
- (c) Negotiated Services, which are described in section 2.4.

To the extent practicable and reasonable, a Network User or Prospective Network User may obtain a Network Service which includes only those elements that the Network User or Prospective Network User wishes to be included in the Network Service.

To the extent practicable and reasonable, AGN will provide a separate Tariff for an element of a Network Service if requested to do so by a Network User or Prospective Network User.

AGN has no associate contracts (as defined in the National Gas Law).

### **2.2 Haulage Reference Services**

#### *2.2.1 Domestic Haulage Service*

The Domestic Haulage Service is a Haulage Reference Service that comprises the delivery of Gas through an existing Domestic Delivery Point in accordance with, and subject to, the terms and conditions referred to in section 6.

A Delivery Point (**DP**) is a Domestic DP for a given period if the Gas delivered through that DP during that period was used primarily for domestic purposes. Gas will have been used primarily for domestic purposes if 50 percent or more of that Gas was used for domestic purposes.

AGN will determine from time to time whether Gas delivered through a DP during any period was used primarily for domestic purposes or primarily for other purposes. AGN's determination will bind the Network User, unless proven incorrect.

#### *2.2.2 Demand Haulage Service*

The Demand Haulage Service is a Haulage Reference Service that comprises the delivery of Gas through an existing Demand DP, in accordance with, and subject to, the terms and conditions referred to in section 6.

A DP is a Demand DP at a given time if:

- (a) that DP is not a Domestic DP at that time; and
- (b) the Quantity of Gas delivered through that DP during the then most recent Metering Year was equal to or greater than 10TJ in total.

In this section, a reference to the Quantity of Gas delivered is a reference to Gas delivered whether to or for the account of the Network User or another person or persons.

The tariff in relation to Demand DPs is based on MDQ.

#### *2.2.3 Commercial Haulage Service*

The Commercial Haulage Service is a Haulage Reference Service that comprises the delivery of Gas through a Commercial DP in accordance with, and subject to, the terms and conditions referred to in section 6.

A DP is a Commercial DP at a given time if that DP is not a Demand DP or a Domestic DP at that time.

#### 2.2.4 *Classification of New DPs*

AGN will classify a new DP as a Domestic DP, a Demand DP or a Commercial DP. In determining the classification of a DP, AGN will take into account:

- (a) the Network User or Prospective Network User's stated demand and connection characteristics for the DP; and
- (b) Reference Tariffs assigned to DPs with the same or materially similar demand and connection characteristics.

A new DP classified by AGN as a Domestic DP, a Demand DP or a Commercial DP will be treated as a Domestic DP, a Demand DP or a Commercial DP (as the case may be) for the purposes of this Access Arrangement (and for the purposes of each Agreement) until such time as it becomes apparent to AGN that another classification is appropriate. The Reference Tariff applicable in respect of the DP will be determined from time to time on the basis of the classification of that DP.

#### 2.2.5 *Associated Services*

As a part of each Haulage Reference Service, AGN will also provide meter reading data on a quarterly basis for Domestic DPs and Commercial DPs and on a daily basis for Demand DPs in accordance with, and subject to, the terms and conditions referred to in section 6.

For the avoidance of doubt, Unaccounted for Gas is supplied by AGN. The cost of Unaccounted for Gas has been taken into account in the determination of the Reference Tariffs.

The Haulage Reference Services do not include any of the Network Services described as Ancillary Reference Services (see section 2.3) or Negotiated Services (see section 2.4).

### **2.3 Ancillary Reference Services**

The Ancillary Reference Services comprise the following Network Services:

- (a) Special Meter Reading – this Reference Service comprises a meter reading for a DP and provision of the associated meter reading data, that is in addition to the scheduled meter readings that form part of the Haulage Reference Services described in section 2.2 above;
- (b) Disconnection – this Reference Service comprises the use of locks or plugs at the Metering Installation of a Domestic or Commercial DP in order to prevent the withdrawal of Gas at the DP;
- (c) Reconnection – this Reference Service comprises action to restore the ability to withdraw Gas at a DP, following an earlier Disconnection (that is, the removal of any locks or plugs used to isolate supply, performance of a safety check and, where necessary, the lighting of appliances).
- (d) *Meter and Gas Installation Test* – on-site testing to check the measurement accuracy of a Metering Installation and the soundness of the gas installation downstream of the Metering Installation;
- (e) *Meter Removal* – removal of a meter at a Metering Installation in order to prevent the withdrawal of natural gas at the DP; and
- (f) *Meter Reinstallation* – reinstallation of a meter at a Metering Installation, performance of a safety check and the lighting of appliances where necessary.

Each Ancillary Reference Service will be provided in accordance with, and subject to, the terms and conditions referred to in section 6.

## **2.4 Negotiated Services**

Any Network User or Prospective Network User may request AGN to provide a Negotiated Service. A Negotiated Service is a Network Service that is different from the Reference Services.

The terms and conditions on which AGN will provide Negotiated Services will be the same as the terms and conditions referred to in section 6, where AGN determines that those terms and conditions are appropriate and applicable to the requested Negotiated Service.

## **2.5 Gas Balancing**

Gas balancing refers to the process of ensuring that the Quantity of Gas delivered through DPs to or for the account of a Network User is equivalent to the Quantity of Gas delivered through Receipt Points by or for the account of the Network User.

In the case of the Adelaide Metropolitan Network, gas balancing is regulated through the short term trading market established pursuant to the National Gas Rules (as amended by the National Gas (Short Term Trading Market) Amendment Rules 2010).

In the case of the remainder of the Network, gas balancing is regulated through the Retail Market Procedures (and, in particular, chapter 5 of the Retail Market Procedures).

Network Users and Prospective network users should familiarise themselves with the National Gas Rules and the Retail Market Procedures and satisfy themselves that their interest in relation to gas balancing is appropriately protected. AGN is not responsible to ensure that the Quantity of Gas delivered through a Receipt Point, by or for the account of a Network User, will be delivered through DPs to or for the amount of that Network User. AGN takes no responsibility for gas balancing within the Network or within any Sub-Network.

## **2.6 Network Service Standards**

AGN will provide each Network Service, including each Reference Service, in accordance with, and subject to, the requirements of any Distribution Licence or applicable law.

# **3. REFERENCE TARIFFS**

## **3.1 Haulage Reference Tariffs**

The Reference Tariffs for the Domestic Haulage Service, Commercial Haulage Service and Demand Haulage Service are known as "Tariff R", "Tariff C" and "Tariff D" respectively. The Tariff Schedule set out as Annexure B to this Access Arrangement shows the initial Reference Tariffs that will apply to Reference Services.

The initial Reference Tariffs will apply from the commencement of the Fourth Access Arrangement Period (1 July 2016), until those Reference Tariffs are varied in accordance with section 4 of this Access Arrangement.

All Haulage Reference Tariffs have been designed to effectively change by CPI-11.38% on 1 July 2016 and for subsequent years by CPI+5%, CPI+5%, CPI+5% and CPI+5% respectively.

The Charges payable under Tariff D vary according to the Region of the Network in which the Demand DP is located. The Network comprises seven Regions. They are the Adelaide Region, the Peterborough Region, the Port Pirie Region, the Riverland Region, the South East Region, the Whyalla Region and the Tanunda Region. These are shown on the map set out in Annexure C.

In the case of a Demand DP within the Adelaide Region, the Charges payable under Tariff D also vary according to the Zone within which the DP is located. There are three Zones, which are shown on the map set out in Annexure D.

The Reference Tariffs for Reference Services will be set out in Tariff Schedules that AGN will publish from time to time on its website at "www.AGN.com.au".

### **3.2 Ancillary Reference Service**

The initial Ancillary Reference Tariffs are set out in Table 5 of the Tariff Schedule in Annexure B. These tariffs will increase by CPI on 1 July 2016 and thereafter by CPI for each remaining year of the Fourth Access Arrangement Period.

## **4. REFERENCE TARIFF POLICY – GENERAL**

### **4.1 Determination of Reference Tariffs**

Reference Tariffs have been determined based on a revenue requirement that uses a “building block” approach. This approach provides for total revenue to be calculated on the basis of a rate of return on the capital base plus depreciation plus non-capital costs associated with operating the Network plus the cost of corporate income tax plus/minus any amounts earned through incentive arrangements.

A CPI-X approach to determining Haulage Reference Tariffs has been adopted, using a tariff basket approach to price control. To ensure price stability, Reference Tariffs for the Access Arrangement period have been set on the basis of a “smoothed” revenue requirement, so that Reference Tariffs move in a uniform and consistent manner.

Reference Tariffs are designed to meet the objectives of the Rules. A key objective of the Rules is to recover the efficient costs of providing Reference Services, with emphasis on the safety and integrity of the Network, while providing certainty to Users and signalling appropriate development of the market through extension of the Network.

The Reference Tariffs are designed to be cost reflective, so that Reference Tariffs recover the efficient cost of providing the relevant Reference Service. The revenues associated with the Reference Tariffs have been set between incremental and stand-alone costs.

### **4.2 Assignment of Haulage Reference Tariffs**

Where AGN is charging a particular Haulage Reference Tariff in respect of a particular DP, then that particular Haulage Reference Tariff is to be regarded as being “assigned” to that DP.

Haulage Reference Tariffs will be assigned to DPs in accordance with the criteria set out in sections 2.2.1-2.2.4 of this Access Arrangement.

### **4.3 Reference Tariff Variation Mechanism**

Rule 97 allows Reference Tariffs to vary within an Access Arrangement Period through a Reference Tariff Variation mechanism. For the purposes of this Access Arrangement, Reference Tariffs will be varied through two mechanisms, namely:

- (a) Reference Tariff Control Formulae, as described in section 4.4; and
- (b) a Cost Pass Through Event Adjustment, which is described in section 4.5.

Variations to Reference Tariffs are subject to the Regulator’s approval (or deemed approval) in accordance with the Rules and this section 4.

AGN will publish a revised Tariff Schedule on its website at [www.AustralianGasNetworks.com.au](http://www.AustralianGasNetworks.com.au) whenever variations to Reference Tariffs have been approved.

### **4.4 Reference Tariff Control Formulae**

#### **4.4.1 Haulage Reference Tariffs**

Subject to the approval of the Regulator under the Rules, AGN can vary the Reference Tariffs for Haulage Reference Services from time to time provided that the variations comply with the two Reference Tariff Control Formulae set out in Annexure E to this Access Arrangement.



The first Reference Tariff Control Formula is designed to ensure that the average revenue (in \$/GJ) that AGN receives from Haulage Reference Services after 30 June 2016 does not increase, as a result of any proposed variation to Reference Tariffs, at a rate that is greater than the change in CPI – X (where X is the factor described in Annexure E).

The second Reference Tariff Control Formula is designed to ensure that the average revenue (in \$/GJ or \$/GJ of MDQ) that AGN receives from any single type of Haulage Reference Service (or Tariff Class), after any proposed variation to Reference Tariffs, does not increase by more than CPI – X + Y, where Y is 2%.

Both Reference Tariff Control Formulae set out in Annexure E compare the revenue from the pre-existing Reference Tariffs with revenue from the Reference Tariffs as varied, based on the Quantities of Gas (or other units of measurement, such as GJ of MDQ) that applied in the year two years prior to the year in which the Reference Tariffs are to be varied. These historical quantities are to be audited.

Variations to the Reference Tariffs may be effected:

- (a) through changes in the components, elements or variables comprised within any Reference Tariff (such as a change in the base charge or fixed charge within the Reference Tariff or a change in the steps, or the level of the steps, within the Reference Tariff);
- (b) through the introduction of a new Reference Tariff for any Haulage Reference Service;
- (c) through the withdrawal of any Reference Tariff; or
- (d) through any combination of these changes.

#### 4.4.2 Ancillary Reference Services

Subject to the approval of the Regulator, AGN will have the right to vary the Reference Tariffs for Ancillary Reference Services, initially on 1 July 2016, and thereafter annually during the Fourth Access Arrangement Period, on the basis of the following Reference Tariff Control Formula:

$$ART_t = ART_{t-1} \times CPI_t$$

where:

$ART_t$  is the Reference Tariff that will apply to an Ancillary Reference Service in year  $t$ ;

$ART_{t-1}$  is the Reference Tariff that applied to that Ancillary Reference Service in year  $t-1$ ; and

$CPI_t$  is calculated as the CPI for the year ending 31 March immediately preceding the start of year  $t$ , divided by the CPI for the year ending 31 March immediately preceding the start of year  $t-1$ .

Where the Reference Tariff for an Ancillary Reference Service (as varied) is less than \$20, the Reference Tariff (as varied) will be rounded to the nearest 10 cents (with five cents rounded upwards). Where the Reference Tariff for an Ancillary Reference Service (as varied) is \$20 or more, the Reference Tariff (as varied) will be rounded to the nearest dollar (with 50 cents rounded upwards).

#### 4.5 Cost Pass Through Event Adjustment

Subject to the approval of the Regulator under the NGR, Reference Tariffs may be varied after one or more Cost Pass Through Event/s occurs, in which each individual event materially increases or materially decreases the cost of providing the Reference Services. Any such variation will take effect from the next 1 July.

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

- the costs to be passed through are for the delivery of Network Services
- the costs are incremental to costs already allowed for in Reference Tariffs
- the total costs to be passed through are building block components of total revenue
- the costs to be passed through meet the relevant National Gas Rules criteria for determining the building block for total revenue in determining reference services
- any other factors the AER considers relevant and consistent with the NGR and NGL.

Cost Pass Through Events are:

- a Regulatory Change Event;
- a Service Standard Event;
- a Tax Change Event;
- a Terrorism Event;
- a Network User Failure Event;
- an Insurer Credit Risk Event;
- an Insurance Cap Event;
- a Significant Safety Event;
- a Security of Supply Event; and
- a Significant Extension Event.

where

**'Regulatory Change Event'** means:

A change in a regulatory obligation or requirement that:

- (a) falls within no other category of Cost Pass Through Event; and
- (b) occurs during the course of an access arrangement period; and
- (c) affects the manner in which AGN provides reference services (as the case requires); and
- (d) materially increases or materially decreases the costs of providing those services.

**'Service Standard Event'** means:

A legislative or administrative act or decision that:

- (a) has the effect of:
  - (i) varying, during the course of an access arrangement period, the manner in which AGN is required to provide a reference service; or
  - (ii) imposing, removing or varying, during the course of an access arrangement period, minimum service standards applicable to prescribed reference services; or
  - (iii) altering, during the course of an access arrangement period, the nature or scope of the prescribed reference services, provided by AGN; and

(b) materially increases or materially decreases the costs to AGN of providing prescribed reference services.

**'Tax Change Event'** means:

A tax change event occurs if any of the following occurs during the course of an access arrangement period for AGN:

- (a) a change in a Relevant Tax, in the application or official interpretation of a Relevant Tax, in the rate of a Relevant Tax, or in the way a Relevant Tax is calculated;
- (b) the removal of a Relevant Tax;
- (c) the imposition of a Relevant Tax; and

in consequence, the costs to AGN of providing prescribed reference services are materially increased or decreased.

**'Terrorism Event'** means:

An act (including, but not limited to, the use of force or violence or the threat of force or violence) of any person or group of persons (whether acting alone or on behalf of or in connection with any organisation or government), which from its nature or context is done for, or in connection with, political, religious, ideological, ethnic or similar purposes or reasons (including the intention to influence or intimidate any government and/or put the public, or any section of the public, in fear) and which materially increases the costs to AGN of providing a reference service.

**'Network User Failure Event'** means:

A network user failure event means the occurrence of an event whereby an existing network user becomes insolvent or is unable to continue to supply gas to its customers, and those customers are transferred to another network user, and which increases the costs of AGN providing reference services.

**'Insurer Credit Risk Event'** means:

An event where the insolvency of the nominated insurers of AGN occurs, as a result of which AGN:

- (a) incurs materially higher or lower costs for insurance premiums than those allowed for in the access arrangement; or
- (b) in respect of a claim for a risk that would have been insured by AGN's insurers, is subject to a materially higher or lower claim limit or a materially higher or lower deductible than would have applied under that policy; or
- (c) incurs additional costs associated with self funding an insurance claim, which would have otherwise been covered by the insolvent insurer.

**'Insurance Cap Event'** means:

An event that would be covered by an insurance policy but for the amount that materially exceeds the policy limit, and as a result AGN must bear the amount of that excess loss. For the purposes of this Cost Pass-through Event, the relevant policy limit is the greater of the actual limit from time to time and the limit under AGN's insurance cover at the time of making this access arrangement. This event

excludes all costs incurred beyond an insurance cap that are due to AGN's negligence, fault, or lack of care. This also excludes all liability arising from the AGN's unlawful conduct, and excludes all liability and damages arising from actions or conduct expected or intended by AGN.

**'Significant Safety Event'** means:

Any flood, earthquake (or other natural disaster) or event, or series of events, that result in any part of the Network being damaged or posing an unacceptable risk to persons (but excluding those events for which external insurance or self insurance has been included within AGN's forecast operating expenditure) that occurs during the forthcoming access arrangement period and materially increases the costs to AGN of providing reference services.

**'Security of Supply Event'** means:

Approval by AGN's Board to proceed with a proposal to undertake expenditure that would enhance the security of gas supply to consumers and which materially increases the costs to AGN of providing reference services.

**'Significant Extension Event'** means:

Approval by AGN's Board to proceed with a proposal to reticulate a new town or area at a material cost to AGN.

**Materiality threshold** is defined as:

For the purpose of any defined event, an event is considered to materially increase or decrease costs where that event has an impact of one per cent of the smoothed forecast revenue specified in the Access Arrangement Information, in the years of the access arrangement period that the costs are incurred.

## **4.6 Procedure for Variation in Reference Tariffs**

### *4.6.1 Routine Variations*

AGN will notify the Regulator in respect of any Reference Tariff variations at least 40 business days before the date of implementation and include:

- (a) the proposed variations to the Reference Tariffs; and
- (b) an explanation and details of how the proposed variations have been calculated.

If AGN proposes variations to the Reference Tariffs (other than as a result of a Cost Pass Through Event) and those variations have not been approved by the next 1 July then the Reference Tariffs will be varied as proposed by AGN until such time as variations to Reference Tariffs are approved by the Regulator.

If it appears that any past tariff variation contains a material error or deficiency because of a clerical mistake, accidental slip or omission, miscalculation or misdescription, the AER may change subsequent tariffs to account for these past issues.

Within 30 Business Days of receiving the Service Provider's Variation Notice, the AER will inform the Service Provider in writing of whether or not it has verified the proposed Haulage Reference Tariff and/or Haulage Reference Tariff Components in the Service Provider's Variation Notice as compliant with the Annual Tariff Variation Mechanism.

The 30 Business Day periods may be extended for the time taken by the AER to obtain information from the Service Provider, obtain expert advice or consult about the notification. However, the AER

must assess a cost pass through application within 90 Business Days, including any extension of the decision making time.

#### *4.6.2 Cost Pass Through Event Variations*

AGN will notify the AER of Cost Pass Through Events within 90 business days of the Cost Pass Through Event occurring, whether the Cost Pass Through Event would lead to an increase or decrease in Reference Tariffs.

When the costs of the Cost 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 such notification to the AER, AGN will provide the AER with a statement, signed by an authorised officer of AGN, verifying that the costs of any Cost Pass Through Events 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 AGN of its decision to approve or reject the proposed variations within 90 Business Days of receiving the notification. This period will be extended for the time taken by the Regulator to obtain information from AGN, obtain expert advice or consult about the notification.

The AER will endeavour to make its decision on whether AGN should vary Reference Tariffs due to the occurrence of a Cost Pass Through Event within 90 business days of receiving a notification from AGN. The overall time period for approving a Cost Pass Through Event is 120 business days.

#### **4.7 Notice to Network Users**

AGN will notify Users as soon as practicable if it proposes any variations to any Reference Tariffs (whether as a result of a Cost Pass Through Event or otherwise).

#### **4.8 New Tariff Schedule**

Whenever any Reference Tariff is varied in accordance with this section 4, AGN will publish a Tariff Schedule on its website at [www.AustralianGasNetworks.com.au](http://www.AustralianGasNetworks.com.au), showing the Reference Tariffs (as varied) for the Reference Services.

#### **4.9 Regulator's Decision is Conclusive**

The Regulator's decision to allow a proposed variation in Reference Tariffs will be binding and conclusive on Network Users as to the Reference Tariffs that apply to Reference Services. Network Users will not have the right to challenge or otherwise dispute the Reference Tariffs as allowed from time to time by the Regulator or the basis on which those Reference Tariffs were calculated or determined.

#### **4.10 Default Tariffs for the Fifth Access Arrangement Period**

If revisions pertaining to the Fifth Access Arrangement Period have not come into effect by 1 July 2021, then:

- (a) the Reference Tariffs for the Haulage Reference Services for the period between 1 July 2021 and the date the revisions come into effect will be adjusted on 1 July each year by AGN, commencing on 1 July 2021, in a manner that is designed to change the average price per GJ (or per GJ of MDQ) for each Reference Tariff by the percentage change in the CPI; and
- (b) the Reference Tariffs for the Ancillary Reference Services for the period between 1 July 2021 and the date the revisions come into effect will be adjusted on 1 July each year by AGN, commencing on 1 July 2021, by the percentage change in the CPI.

#### **4.11 Treatment of Capital Expenditure for 2015/16**

In rolling forward the Capital Base, the capital expenditure for 2015/16 is as set out in section 9.3 of the Access Arrangement Information. Prior to commencement of the Fifth Access Arrangement Period, the actual capital expenditure for 2015/16 will be known.

Any difference between this estimated capital expenditure and actual capital expenditure for 2015/16 is to be taken into account when the roll-forward occurs at the next review, prior to the commencement of the Fifth Access Arrangement Period, in accordance with Rule 77(2)(a).

## 5. REFERENCE TARIFF POLICY – INCENTIVE MECHANISMS

### 5.1 Efficiency Benefits Sharing Scheme

The principles of the Efficiency Benefits Sharing Scheme (EBSS) are:

- The total efficiency created during the Access Arrangement period will be calculated as:

$$\begin{aligned} & \textit{Efficiency Created} \\ & = \left( \sum_{i=1}^5 (\textit{Adj Forecast}_i - \textit{Actual}_i) \times (1 + \textit{WACC})^{5-i} \right) \\ & + \frac{\textit{Adj Forecast}_5 - \textit{Actual}_5}{\textit{WACC}} \end{aligned}$$

Where:

*Actual<sub>i</sub>* is the actual operating expenditure in the *i*<sup>th</sup> year of the Access Arrangement period

*Forecast<sub>i</sub>* is the forecast operating expenditure in the *i*<sup>th</sup> year of the Access Arrangement period

*Adj Forecast<sub>i</sub>* is the adjusted forecast for the *i*<sup>th</sup> year of the Access Arrangement period (as calculated below)

*WACC* is the average of the nominal weighted average cost of capital that are applied during each year of the Access Arrangement period

- The target reward that AGN can derive from the efficiency created is calculated as follows:

$$\textit{Target Reward} = \textit{Efficiency Created} \times \textit{Target Share}$$

Where:

*Target Share* = 50% (meaning that AGN will bear 50 per cent of any loss and will retain 50 per cent of any gain; the remaining 50 per cent will go to gas pipeline users)

- The benefits or costs that will have already accrued to AGN during the Access Arrangement period are calculated as follows:

$$\textit{Benefit Retained} = \left( \sum_{i=1}^5 (\textit{Adj Forecast}_i - \textit{Actual}_i) \times (1 + \textit{WACC})^{5-i} \right)$$

- An adjustment to the forecasts used in the above formulae is required because the forecasts are derived from a base year of expenditure (2014/2015) and so ignore any efficiency gains made

between the base year and the final year of the previous Access Arrangement period (2015/2016). The adjusted forecasts are calculated as follows:

$$\begin{aligned} \text{Adj Forecast}_i &= \text{Forecast}_i \\ &- \left( (\text{Forecast}_{2015/16} - \text{Forecast}_{2014/15}) - (\text{Actual}_{2015/16} - \text{Actual}_{2014/15}) \right) \end{aligned}$$

Where:

$\text{Forecast}_{2014/2015}$  is the forecast operating expenditure in financial year 2014/2015

$\text{Forecast}_{2015/2016}$  is the forecast operating expenditure in financial year 2015/2016

$\text{Actual}_{2014/2015}$  is the actual operating expenditure in financial year 2014/2015

$\text{Actual}_{2015/2016}$  is the actual operating expenditure in financial year 2015/2016

- Other adjustments are also required to the forecasts and/or actuals to exclude costs of the operation of the EBSS. The costs associated with an Impost or complying with any retailer of last resort requirements will be excluded from the actual and forecast operating expenditure amounts used in the above formulae, as will the following costs:
  - amounts for approved cost pass through events
  - debt raising costs
  - insurance costs
  - superannuation costs for defined benefits and retirement schemes
  - other specific uncontrollable costs incurred and reported by AGN during the access arrangement period, which the AER considers should be excluded in accordance with the NGL and NGR
  - costs of any other activity that AGN and the AER agree to exclude from the operation of the EBSS
  
- For the avoidance of doubt, the forecast expenditure amounts that are used as the basis for measuring efficiencies relate to the expenditure benchmarks approved by the Regulator, with the following exception:
  - 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, but only where the scope changes arise from exogenous factors and where they impose material additional costs on AGN. Any adjustment will be made following the provision of relevant information to the AER and the assessment of that information by the AER and will, without limitation, quantify and substantiate the impact of the scope changes on the original benchmarks.
  
- When the above formulae refer to the actual operating expenditure in the 5<sup>th</sup> (and last) year of the Access Arrangement, a forecast or estimate of that expenditure will be used in the calculations, and a true-up will be applied in the subsequent Access Arrangement period to correct for the effect of any difference between the forecast or estimate and actual operating expenditure for that year (with allowance made for the time value money calculated using the WACC).

- To calculate the efficiency benefit sharing scheme reward or penalty payable to AGN the benefit already received is subtracted from its share of the total efficiency gain.

$$EBSS\ Reward = Target\ Reward - Benefit\ Retained$$

- The EBSS reward (penalty) will then apply as an additional building block adjustment to AGN's revenue in the subsequent Access Arrangement period, subject to the following qualification.

## 5.2 Capital Expenditure Sharing Scheme

The Capital Expenditure Sharing Scheme (CESS) will operate in the following way:

- The annual efficiency gain or loss under the scheme will be calculated by subtracting AGN's actual Capex from the approved Capex allowance in each year of this Access Arrangement. For the final year an estimate of actual Capex will be used.
- For the purpose of calculating the annual efficiency gain or loss the approved Capex allowance is to be adjusted to take into account a change in scope of activities in accordance with the approach outlined below or an approved cost pass-through event.
- The efficiency gain for year one is calculated as:

$$Year\ 1\ efficiency\ gain = Capex\ allowance\ for\ year\ 1 - actual\ Capex\ in\ year\ 1$$

- The efficiency gain for each year will be discounted into its NPV at the end of the Access Arrangement period. In doing so it is assumed that Capex occurred in the middle of the year. To calculate the total efficiency gain the annual efficiency gains in NPV terms are added.

$$Total\ efficiency\ gain = NPV\ year\ 1\ efficiency\ gain + NPV\ year\ 2\ efficiency\ gain + NPV\ year\ 3\ efficiency\ gain + NPV\ year\ 4\ efficiency\ gain + NPV\ year\ 5\ efficiency\ gain$$

- The above calculations are represented by the following equation:

$$Total\ efficiency\ gain = \sum_{n=1}^p \frac{1}{(1 + WACC)^{n-p-0.5}} \times (F_n - A_n)$$

Where:

$n$  is the Access Arrangement year

$WACC$  is the average of the nominal weighted average cost of capital that are applied during each year of the Access Arrangement period

$p$  is the length of the regulatory control period

$F_n$  is the capex allowance for year  $n$

$A_n$  is the actual capex for year  $n$ .

- A sharing factor of 50 per cent will apply to the total efficiency gain/loss. This means that AGN will bear 50 per cent of any loss and will retain 50 per cent of any gain. The remaining 50 per cent will go to gas pipeline users.

$$AGN\ sharing\ factor = 50\%$$



*AGN share = total efficiency gain x 50%*

- The CESS takes into account benefits or costs that have already accrued to AGN during the regulatory control period in order to ensure that the power of the incentive is the same in each year. This is the financing benefit of any underspend and the financing cost of any overspend.
- Capex is assumed to be incurred in the middle of each year. In the year of the underspend, AGN will recover only half a year of benefit. In the following years, AGN will retain a full year of benefit calculated as the underspend multiplied by the WACC. This is represented in the following equation:

$$\text{Year of financing benefit} = [1 + WACC]^{0.5} - 1 \times (F_n - A_n) + \sum_{j=1}^{n-1} WACC \times (F_j - A_j)$$

Where:

$j$  is a regulatory year in the current Access Arrangement prior to year  $n$

$F_j$  is the Capex allowance for year  $j$

$A_j$  is actual Capex for year  $j$

- A discount factor is applied to the benefits from each year to put the financing benefits into constant terms. The discount rate is calculated on the basis that financing benefits accrue at the end of each year. The discounted financing benefits from each year is then summed to get a net financing benefit for the Access Arrangement. This is calculated using the following equation:

$$\text{Net financing benefit} = \sum_{n=1}^p \frac{1}{1 + WACC^{n-p}} \times \text{year } n \text{ financing benefit}$$

- The CESS reward or penalty payable to AGN is calculated by subtracting the net financing benefit from the NSP's share of the cumulative efficiency gain.

$$\text{CESS reward} = \text{NSP share} - \text{net financing benefit}$$

- The CESS reward or penalty will be applied as an additional building block adjustment to AGN's revenue over the upcoming Access Arrangement.
- Actual Capex for the final year of the Access Arrangement will not be available when the rewards or penalties for the CESS are calculated for the upcoming Access Arrangement. Instead, an estimate of Capex will be used to calculate the efficiency gains or losses for the final regulatory year.
- At the next Access Arrangement decision actual Capex data will be available for that year. Where AGN's actual Capex differs from the Capex estimate used to calculate the CESS, an adjustment will be made to account for the difference. The adjustment for the final year of the regulatory control period will be:

$$\text{Final year adjustment} = (A_p^* - A_p) \times \left[ \frac{\text{NSP sharing factor} - 1}{(1 + WACC)^{-0.5}} \right] + 1$$

Where:

$A_p^*$  is the estimate of actual Capex in the final year of the Access Arrangement that has been used to initially calculate the CESS rewards or penalties

- There will 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 exception of the

adjustments identified here. The value of the benchmarks are to be adjusted by multiplying the difference between actual expenditure over the Access Arrangement period and benchmark:

- (A) Domestic and non-domestic customer connections by the approved unit rate for those connections;
- (B) Domestic and non-domestic meter replacements by the approved unit rate for those replacements.

### **5.3 Customer Service Incentive Scheme**

The purpose of the Customer Service Incentive Scheme (CSIS) is to adjust tariffs (positively or negatively) by reference to target service levels, such that customers impacted by service below a set target are compensated and AGN is incentivised to provide improved service performance over time.

The details of the CSIS will be proposed by AGN following further stakeholder consultation, with a view to the CSIS commencing operation on 1 July 2017.

### **5.4 Network Innovation Scheme**

The effect of the application of the Network Innovation Scheme (NIS) is, subject to approval from the AER, to adjust tariffs to provide for an addition of revenue to the building block allowance in order for AGN to fund innovation.

Expenditure incurred by AGN may only be recovered under the NIS if it is Allowable NIS Expenditure. Expenditure incurred is Allowable NIS Expenditure where:

- (A) Expenditure actually incurred on a specific initiative is below \$1 million per annum and meets the NIS Criteria outlined below; or
- (B) Expenditure for a specific initiative is expected to exceed \$1 million per annum and has been deemed by the AER to meet the NIS Criteria outlined below.

NIS Expenditure is to be recovered through the annual Reference Tariff Variation Mechanism.

AGN is required to have any proposed Allowable NIS Expenditure reviewed independently.

The NIS Criteria are as follows:

- The project must have the potential to have a direct impact on AGN's operations and involve the research, development, or demonstration of at least one of the following:
  - A specific piece of new equipment, including control and communications systems and software;
  - A novel arrangement or application of existing network infrastructure;

- A novel operational practice directly related to the operation or safety of the network or improvement in customer service; or
  - A novel commercial arrangement.
- The project must have the potential to develop learning that can be applied by other gas pipeline distributors in Australia;
  - The project must have the potential to deliver net financial benefits and/or improvements in customers service to gas customers; and
  - Any intellectual property developed must be made available to third parties.

## 6. TERMS AND CONDITIONS

### 6.1 Reference Services

Reference Services will be provided to Network Users under this Access Arrangement on and subject to the terms of an Agreement that will comprise:

- (a) the Specific Terms and Conditions, in the form set out in Annexure F; and
- (b) the terms and conditions set out in Annexure G (**the General Terms and Conditions**).

The Specific Terms and Conditions is a standard form document that contains details which will vary from Network User to Network User and from Agreement to Agreement. The blank spaces in the standard form are to be completed and the document signed by AGN and the Network User to evidence the Agreement between them.

As is apparent from the form of the Specific Terms and Conditions set out in Annexure F, the details to be completed are as follows:

- (a) details of each User Receipt Point at which Gas is to be delivered to AGN by or for the account of that Network User pursuant to the Agreement;
- (b) details of each User DP at which Gas is to be delivered by AGN to or for the account of that Network User pursuant to the Agreement;
- (c) the period for which the Agreement is to remain in force (assuming it is not terminated earlier in accordance with the General Terms and Conditions);
- (d) the date on which AGN is to commence providing Reference Services pursuant to the Agreement;
- (e) where required, details of the maximum Quantity of Gas AGN is obliged to deliver through each User Demand DP to or for the account of the Network User during any Network Day and during any period of 60 minutes; and
- (f) an address for the purposes of the service of notices on the Network User pursuant to the Agreement.

As regards paragraphs (a) and (b), it is possible that a Network User will wish to deliver Gas to AGN through multiple/different Receipt Points that vary over the term of the Agreement or requires AGN to deliver Gas through multiple/different DPs that will vary over the term of the Agreement. In this case, the Specific Terms and Conditions will describe how those Receipt Points and DPs will be determined and identified from time to time over the term of that Agreement. In the case of Network Users who wish to be able to deliver Gas through multiple/different DPs that vary over the time, AGN expects that the User DPs will be defined as those DPs in respect of which the Network User is the current user under the Retail Market Procedures.

As regards paragraph (e), the MDQ for a User DP will be determined by negotiation between AGN and the Network User. If no MDQ has been or is agreed for a User DP, then the MDQ will be determined by AGN acting reasonably, having regard to historical data about the Quantities of Gas delivered through the relevant User DP and any other factors AGN considers relevant.

## **6.2 Negotiated Services**

A Negotiated Service is a Network Service that is different from the Reference Services. If a Network User or a Prospective Network User requires a Network Service on terms and conditions that differ in any way to the General Terms and Conditions, then the Network User or Prospective Network User requires a Negotiated Service.

The terms and conditions on which AGN will provide a Negotiated Service (including the Tariff for that Negotiated Service) will be determined through negotiation between AGN and the Network User who requires that Negotiated Service, or in default of agreement, through dispute resolution in accordance with Chapter 6 of the National Gas Law.

The terms and conditions on which AGN will provide a Negotiated Service will be the same as the General Terms and Conditions to the extent that the General Terms and Conditions are appropriate and applicable to the Negotiated Service requested by the Network User or Prospective Network User.

Once the terms and conditions of a Negotiated Service have been agreed or determined through dispute resolution in accordance with Chapter 6 of the National Gas Law, AGN and the Network User will sign a document to evidence those terms and conditions.

The document will comprise the Specific Terms and Conditions, the General Terms and Conditions (to the extent that they apply to the Negotiated Service) and a schedule setting out the terms and conditions applicable to that Negotiated Service (as agreed or determined through dispute resolution). The schedule is known as the Special Terms and Conditions and will show how the terms and conditions applicable to the Negotiated Service differ from the General Terms and Conditions.

## **6.3 Pre-Conditions to Network Services**

A Prospective Network User that requires a Network Service must satisfy a number of pre-conditions before AGN is required to provide that Network Service. These pre-conditions are as follows:

- (a) the Network User must satisfy AGN that the Network User meets the requirements of AGN's Credit Policy;
- (b) the Network User must satisfy AGN that the Network User is registered under the Rules as a registered participant in the relevant registrable capacities;
- (c) the Network User must satisfy AGN that the Network User has adequate arrangements in place to ensure that the Network User will comply with its obligations to AGN in relation to the Network Service; and
- (d) the Network User must execute a written agreement setting out or incorporating the terms and conditions on which AGN is to provide the Network User with the Network Service.

## **6.4 Network User Policy**

AGN will not be required to provide Network Services to a Network User, or Prospective Network User, who does not meet the requirements of AGN's Network User Policy. The Network User Policy requires that:

- (a) a Network User must be resident in Australia or have a permanent establishment in Australia;
- (b) (if the Network User is incorporated or constituted under any law other than the Corporations Act 2001) the Network User must have provided AGN with a legal opinion in form and substance satisfactory to AGN that confirms:

- (i) the due incorporation and good standing of the Network User;
  - (ii) the legal capacity of the Network User to enter into and perform the Agreement between the Network User and AGN; and
  - (iii) the due execution of that Agreement and the enforceability of that Agreement against the Network User;
- (c) the Network User must be capable of being sued in its own name in courts established under the laws of South Australia and other States;
  - (d) the Network User must not enjoy any immunity from legal proceedings or legal process (including, but without limitation, any immunity from execution);
  - (e) if the Network User is a retailer, the Network User must have an acceptable credit rating in accordance with the law, or provide security in accordance with the law. If the Network User is not a retailer, the Network User must have an acceptable credit rating, or provide AGN with security acceptable to AGN, on terms and conditions acceptable to AGN;
  - (f) the Network User must have the necessary financial capability to discharge its present and future obligations in relation to Network Services; and
  - (g) the Network User must not be an externally-administered body corporate or insolvent under administration (as defined in the Corporations Act 2001) or under a similar form of administration under any laws applicable to the Network User in any jurisdiction.

For the purposes of paragraph (e), where the Network User is not a retailer, AGN will from time to time determine what constitutes an acceptable credit rating. Until otherwise determined by AGN, an acceptable credit rating is a rating of BBB or higher for long-term unsecured counterparty obligations of the entity, as rated by Standard & Poors (Australia) Pty Ltd.

Whenever AGN decides to alter the acceptable credit rating, it will notify all Network Users that are not retailers of the acceptable credit rating or ratings as altered.

For the purposes of paragraph (e), acceptable security will be

- (a) a bank guarantee, given by an Australian bank acceptable to AGN, for an amount of not less than AGN's reasonable estimate of three months average Charges (calculated by reference to a 12 month period); or
- (b) a guarantee of the Network User's obligations given by an entity, acceptable to AGN, that has an acceptable credit rating (as defined above).

## **7. CAPACITY TRADING**

### **7.1 Transactions subject to Retail Market Procedures**

Transfers of Contracted Capacity will be undertaken:

- (a) where AGN is registered as a participant in a gas market that includes the Network - in accordance with the rules or procedures governing that gas market; or
- (b) if AGN is not so registered - in accordance with rule 105 of the NGR, and this part 7.

As at the date of this Access Arrangement, the Network is the subject of the retail gas market of South Australia and, as the holder of a gas distribution licence under the Gas Act 1997 (SA), AGN is registered as a participant in that market in accordance with sub-rule 135AB(3)(a) of the NGR.

As at the date of this Access Arrangement, the rules or Procedures which govern the South Australian retail gas market are the Retail Market Procedures for South Australia. A copy of the Retail Market Procedures is available at [www.aemo.com.au](http://www.aemo.com.au).

## **7.2 Delivery and Receipt Points**

In accordance with rule 106 of the NGR, a Network User may change a Delivery Point and/or Receipt Point from that specified in an Agreement with AGN's consent.

AGN will not withhold its consent unless it has reasonable grounds, based on technical or commercial considerations, for doing so.

## **8. NETWORK EXTENSIONS AND EXPANSIONS**

### **8.1 High pressure extensions**

If AGN proposes a high pressure pipeline extension of the covered pipeline, it must apply to the AER in writing to decide whether the proposed extension will be taken to form part of the covered pipeline and will be covered by this access arrangement.

For the purposes of this section 8, a high pressure pipeline extension means a pipeline that exceeds one kilometre in length and is proposed to be built to a postcode area previously not serviced by reticulated gas.

A notification given by AGN under this clause 8.1 must:

- (a) be in writing;
- (b) state whether AGN intends for the proposed high pressure pipeline extension to be covered by this Access Arrangement;
- (c) describe the proposed high pressure pipeline extension and describe why the proposed Extension is being undertaken; and
- (d) be given to the AER before the proposed high pressure pipeline extension comes into service.

AGN is not required to notify the AER under this clause 8.1 to the extent that the cost of the proposed high pressure pipeline extension has already been included and approved by the AER in the calculation of Reference Tariffs.

After considering AGN's application, and undertaking such consultation as the AER considers appropriate, the AER will inform AGN of its decision on AGN's proposed coverage approach for the high pressure pipeline extension.

The AER's decision referred to above may be made on such reasonable conditions as determined by the AER and will have the effect stated in the decision.

### **8.2 Treatment of covered pipelines**

If an extension or expansion is to be treated as a covered network under the access arrangement, AGN will offer Reference Services for that extension or expansion at Reference Tariffs. AGN may levy a surcharge on users to recover non-conforming capital expenditure in accordance with Rule 83 of the NGR.

AGN will notify the AER to seek approval of any proposed surcharge to be levied on users of incremental services, and designed to recover non-conforming capital expenditure or a specified portion of non-conforming capital expenditure (non-conforming capital expenditure which is recovered

by means of a surcharge will not be rolled into the capital base). Surcharges will only be approved subject to Rule 83(4) of the NGR.

### **8.3 Other extensions and expansions**

Any extensions to and expansions of the capacity of the Network which are not high pressure pipeline extensions within the meaning of clause 8.1 will be treated as part of the Network and covered by this Access Arrangement.

All extensions of low or medium pressure pipelines, and expansions of the capacity of the Network carried out by AGN, will be treated as covered under this Access Arrangement.

## **9. REVIEW OF THE ACCESS ARRANGEMENT**

### **9.1 Revisions Submission Date**

AGN will submit revisions to this Access Arrangement to the Regulator on or before 1 July 2020.

### **9.2 Revisions Commencement Date**

The revisions to this Access Arrangement referred to in section 9.1 will commence on the later of 1 July 2021 and the date on which their approval takes effect under the NGR.

## 10. GLOSSARY

In this Access Arrangement and the Access Arrangement Information, unless the contrary intention appears:

- (1) **'Adelaide Region'** means the area shown in Annexure C as the Adelaide Region.
- (2) **'AEMO'** means Australian Energy Market Operator Limited (ABN 94 072 010 327).
- (3) **'AER'** or **'Regulatory'** means the Australian Energy Regulator.
- (4) **'Agreement'** means the contract between AGN and a Network User for the provision of Network Services.
- (5) **'Ancillary Reference Charge'** means the charge payable by the Network User under the Agreement for an Ancillary Reference Service as calculated in accordance with the Agreement and the Tariff Schedule from time to time.
- (6) **'Ancillary Reference Service'** means a Network Service described in section 2.3 of this Access Arrangement.
- (7) **'Billing Period'** means a calendar month or such other period as AGN and the Network User may agree.
- (8) **'Business Day'** means a day other than a Saturday, Sunday or public holiday in South Australia.
- (9) **'Central Zone'** means the area within the Adelaide Region that is shown in Annexure D as the Central Zone.
- (10) **'Charges'** means the charges payable by the Network User under the Agreement and, in relation to a User DP, means the charges payable by the Network User in relation to that DP as determined in accordance with the Agreement
- (11) **'Commercial DP'** has the meaning given to it in section 2.2.3 of this Access Arrangement.
- (12) **'Commercial Haulage Service'** means the Network Service that is described in section 2.2.3 of this Access Arrangement.
- (13) **'Contracted Capacity'** has the same meaning as it has for the purposes of rule 105 of the NGR..
- (14) **'CPI'** means the Consumer Price Index (All Groups Weighted Average for the Eight Capital Cities) as published by the Australian Bureau of Statistics or its successor or, if that Consumer Price Index is not published for any reason, whatever alternative index AGN determines (with the Regulator's approval) from time to time is reasonably equivalent to that Consumer Price Index.
- (15) **'Credit Policy'** means the policy described in section 6.4 of this Access Arrangement.
- (16) **'Cubic Metre'**, in relation to Gas, means the amount of that Gas which, at Standard Conditions, would occupy a volume of one cubic metre.
- (17) **'Customer Connection Contract'** means a "customer connection contract" (as defined in the National Energy Retail Law) between AGN and a Shared Customer in respect of premises at which there is a User DP. A reference to a customer connection contract includes a reference to a customer connection contract taken to be entered into by AGN and a Shared Customer by operation of law.
- (18) **'Customer Connection Services'** means "customer connection services" (as defined in the National Energy Retail Law) for premises of a Shared Customer which are the subject of a Customer Connection Contract.
- (19) **'Cycle'**, in relation to a Demand DP, means the period between any two meter readings for that DP which are 30 days, or approximately 30 days, apart and, in relation to a Volume DP, means the period between any two meter readings for that DP which are 90 days, or approximately 90 days, apart.
- (20) **'Delivery Point'** or **'DP'** means a point on the Network at which Gas is, or is to be, delivered out of



the Network.

- (21) **'Demand DP'** has the meaning given to it in section 2.2.2 of this Access Arrangement.
- (22) **'Demand Haulage Service'** means the Network Service that is described in section 2.2.2 of this Access Arrangement.
- (23) **'Disconnection'** has the meaning given to it in section 2.3 of this Access Arrangement
- (24) **'Distribution Licence'** means a licence granted to AGN under the *Gas Act 1997 (SA)*, which authorises the operation of the Network or any part of it.
- (25) **'Distribution Services'** in an Agreement means Haulage Reference Services, Ancillary Reference Services, Customer Connection Services and any other services (including any Network Services) provided by AGN to the Network User under or in relation to that Agreement.
- (26) **'Distribution Service Charges'** means the charges payable by the Network User under the Agreement and any other charges that are "distribution service charges" within the meaning of the National Gas Rules (as amended by the National Gas (Retail Support) Amendment Rules 2010).
- (27) **'Domestic DP'** has the meaning given to it in section 2.2.1 of this Access Arrangement.
- (28) **'Domestic Haulage Service'** means the Network Service that is described in section 2.2.1 of this Access Arrangement.
- (29) **'Fourth Access Arrangement Period'** means the period from 1 July 2016 to 30 June 2021.
- (30) **'Gas'** has the meaning given to 'natural gas' in the National Gas Law.
- (31) **'Gas Delivery Zone'** means an area which AGN from time to time defines as a Gas Delivery Zone having regard to whether it is physically possible to deliver Gas from a given User Receipt Point to a given User DP (and, for this purpose, the Gas Delivery Zones as at the date of this Access Arrangement are the areas defined as Gas Delivery Zones on the map set out as Annexure H to this Access Arrangement).
- (32) **'General Terms and Conditions'** has the meaning given to it in section 6.1.
- (33) **'GJ'** means a gigajoule, which is 1000 megajoules.
- (34) **'Gross Heating Value'** means the energy produced by the complete combustion of one Cubic Metre of Gas with air, at Standard Conditions, the product of combustion cooled to a temperature of 15 degrees Celsius and the water vapour formed by the combustion condensed to a liquid state.
- (35) **'GST Act'** means the A New Tax System (Goods and Services Tax) Act 1999.
- (36) **'Haulage Reference Service'** means the Commercial Haulage Service, the Demand Haulage Service or the Domestic Haulage Service.
- (37) **'Haulage Service Charge'** means the charge payable by a Network User under the Agreement for a Haulage Reference Service as calculated in accordance with the Agreement and the Tariff Schedule from time to time.
- (38) **'Heating Value Zone'** means any discrete part of the Network (as defined by AGN) for which a Gross Heating Value has been determined for the purposes of clause 23.2 different from that which applies (for the purposes of that clause) to adjacent parts of the network or other parts of the Network.
- (39) **'Insolvency Event'** means the happening of any of the following events in relation to a party to an Agreement:
  - (a) an order is made that it be wound up or that a 'controller' (as defined in the Corporations Act 2001) be appointed to it or any of its assets;
  - (b) a resolution that it be wound up is passed;
  - (c) a liquidator, provisional liquidator, Controller or any similar official is appointed to, or takes possession or control of, all or any of its assets or undertakings;
  - (d) an administrator is appointed to it or a resolution that an administrator be appointed to it

- is passed;
- (e) it enters into, or resolves to enter into, an arrangement, compromise or composition with any of, or any class of, its creditors or shareholders, or an assignment for the benefit of any of, or any class of, its creditors, in relation to a potential Insolvency Event in subparagraphs (a) to (d), or (f) to (g) occurring;
  - (f) any action is taken by the Australian Securities and Investment Commission to cancel its registration or to dissolve it;
  - (g) it is insolvent within the meaning of Section 95A of the Corporations Act, as disclosed in its accounts or otherwise, states that it is unable to pay its debts or it is presumed to be insolvent under any applicable law; or
  - (h) it stops or suspends:
    - the payment of all or a class of its debts; or
    - the conduct of all or a substantial part of its business; or
  - (i) any other event happens under any law (including the laws of another jurisdiction) that has the same effect, or a substantially similar effect, as any of the events specified in the preceding paragraphs.
- (40) **'Interest Rate'** means the Commonwealth Bank of Australia corporate overdraft reference rate, as varied from time to time.
- (41) **'Maximum Daily Quantity'** or **'MDQ'**, in relation to a DP, means the maximum Quantity of Gas which AGN agrees to deliver through that DP to or for the account of a Network User during any Network Day, as specified in, or determined in accordance with, the Specific Terms and Conditions and the General Terms and Conditions, or any other agreement.
- (42) **'Maximum Hourly Quantity'** or **'MHQ'**, in relation to a DP, means the maximum Quantity of gas (in GJ) which AGN is obliged to transport and deliver to a particular Delivery Point on behalf of the User in any Hour (excluding Overruns).
- (43) **'Metering Installation'**, in relation to a User DP, means the meter and associated equipment and installations (which may include correctors, regulators, filters, data loggers and telemetry relating to a DP) owned or operated by AGN at that User DP and, in relation to a User Receipt Point, means the metering installation owned or operated by AGN at that User Receipt Point or, if AGN does not own or operate metering installation at that User Receipt Point, the metering installation provided by or on behalf of the Network User at that Receipt Point.
- (44) **'Metering Year'**, in relation to a DP, means the period between any two meter readings at that DP which are 12 months, or approximately 12 months, apart.
- (45) **'Negotiated Service'** means a Network Service of the type described in section 2.4 of this Access Arrangement.
- (46) **'NERL'** means the National Energy Retail Law.
- (47) **'NERR'** means the National Energy Retail Rules.
- (48) **'Network'** means the distribution mains that are the subject of this Access Arrangement from time to time, together with inlets, regulators, Metering Installations, pipes and all ancillary equipment.
- (49) **'Network Day'** means a period of 24 consecutive hours that commences at 6:00am Central Standard Time.
- (50) **'Network Service'** means a Service provided by means of the Network.
- (51) **'Network User'** (in an Agreement) means the User that is a party to that Agreement.
- (52) **'Northern Zone'** means the area within the Adelaide Region that is shown in Annexure D as the Northern Zone.
- (53) **'Overrun Rate'** in relation to a given Network Day, means the amount specified as the Overrun Rate in the Tariff Schedule applicable on that Network Day.

- (54) **'Peterborough Region'** means the area shown in Annexure C as the Peterborough Region.
- (55) **'Planned Interruption'** means an interruption of the supply of Gas to the Network for:
- i. the planned maintenance, repair or augmentation of the Network, including planned or routine maintenance of metering equipment; or
  - ii. the installation of a new connection or a connection alteration.
- (56) **'Port Pirie Region'** means the area shown in Annexure C as the Port Pirie Region.
- (57) **'Prospective Network User'** means a person who seeks or who is reasonably likely to seek to enter into a contract for a Network Service and includes a Network User who seeks or may seek to enter into a contract for an additional Network Service.
- (58) **'Quantity of Gas'** means the quantity of Gas determined in accordance with the Agreement.
- (59) **'Receipt Point'** means a point on the Network at which Gas is, or is to be, received into the Network.
- (60) **'Reconnection'**, has the meaning given to it in section 2.3 of this Access Arrangement.
- (61) **'Reference Service'** means a Haulage Reference Service or an Ancillary Reference Service.
- (62) **'Reference Tariff'** means the tariff that corresponds to a Haulage Reference Service or an Ancillary Reference Service.
- (63) **'Region'** means the Adelaide Region, the Peterborough Region, the Port Pirie Region, the Riverland Region, the South East Region, the Whyalla Region or the Tanunda Region.
- (64) **'Regulator'** see 'AER'.
- (65) **'Related Haulage Agreement'** (in an Agreement between AGN and a Network User) means any other agreement between AGN and that Network User under which AGN delivers, or is to deliver, Gas to or for the account of that Network User.
- (66) **'Relevant Tax'** means any royalty, duty, excise, tax, impost, levy, fee or charge (including, but without limitation, any goods and services tax) imposed by the Commonwealth of Australia, any State or Territory of Australia, any local government or statutory authority or any other body (authorised by law to impose such an impost, tax or charge) on or in respect of the Network (or any part of it) or on or in respect of the operation, repair, maintenance, administration or management of the Network (or any part of it) or on or in respect of the provision of any Network Service (other than a levy, fee or charge that arises as a result of AGN's breach of a law or failure to pay a tax or charge by the due date for payment).
- (67) **'Retail Market Procedures'** means the retail market procedures made by the Australian Energy Market Operator from time to time under section 91M of the National Gas Law and which apply to the Network.
- (68) **'Riverland Region'** means the area shown in Annexure C as the Riverland Region.
- (69) **'Rules'** means the National Gas Rules under the National Gas Law.
- (70) **'Second Access Arrangement Period'** means the period from 1 July 2006 to 30 June 2011.
- (71) **'Shared Customer'** means any person from time to time who has, or has had, a contract or other arrangement with a User to purchase Gas through a User DP and any person from time to time who is or has been liable to pay for that Gas under the NERL. In this definition, a reference to a contract or other arrangement with a User includes a reference to a deemed contract or arrangement that came into operation, or comes into operation, under the NERL.
- (72) **'South East Region'** means the area shown in Annexure C as the South East Region.
- (73) **'Southern Zone'** means the area within the Adelaide Region that is shown in Annexure D as the Southern Zone.
- (74) **'Specific Terms and Conditions'** means the specific terms and conditions as described in section 6.1 (and, in relation to an Agreement between AGN and a Network User, means the Specific Terms

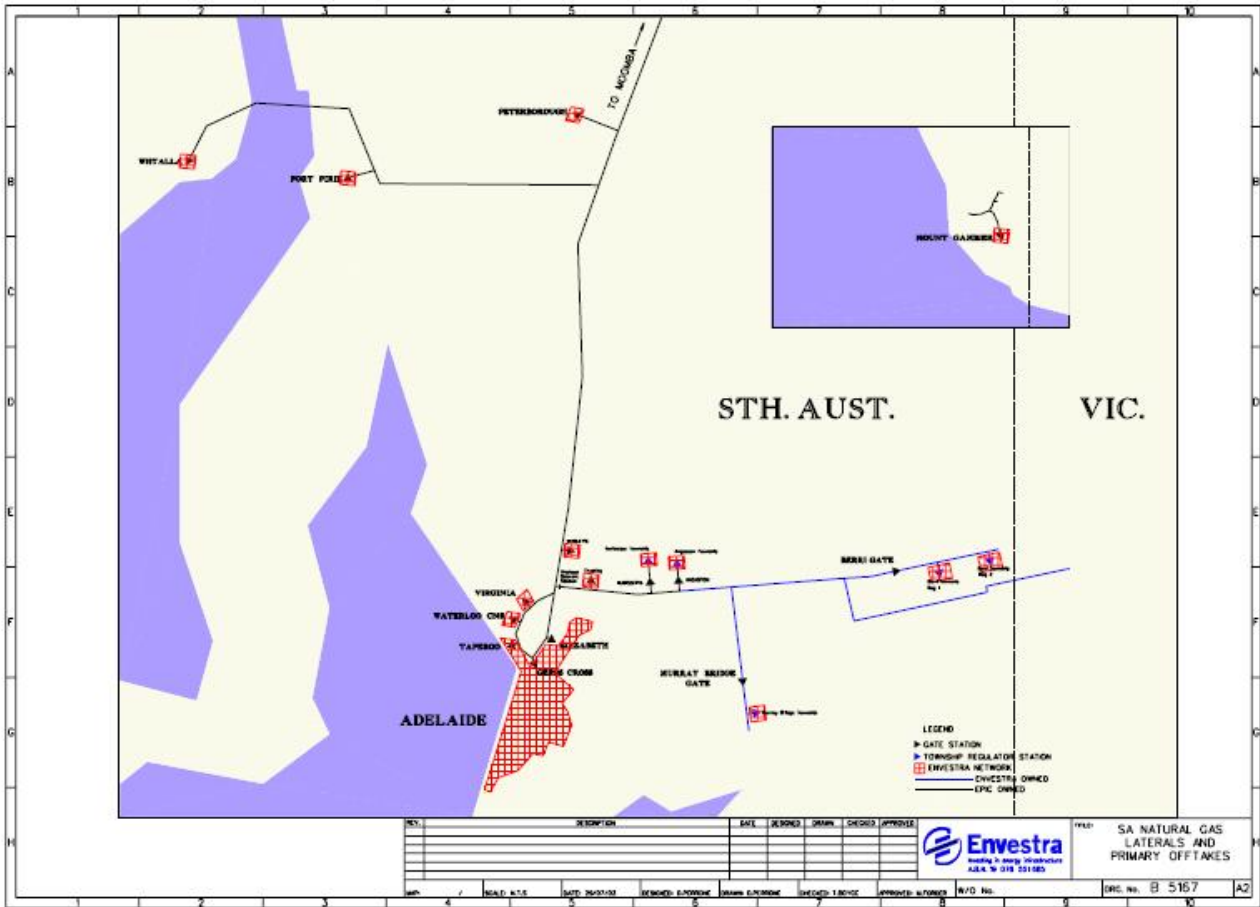
and Conditions which form part of that Agreement).

- (75) **'Standard Conditions'** means a temperature of 15 degrees Celsius and an absolute pressure of 101.325 kilopascals.
- (76) **'Start Date'**, in relation to an Agreement, means the date on which AGN commences, or is to commence, providing Network Services to a Network User pursuant to that Agreement as specified in, or determined in accordance with, the Specific Terms and Conditions.
- (77) **'Sub-Network'** means any part of the Network that is physically discrete from the remainder of the Network (in the sense that, having regard to the physical configuration of the Network and the flow of Gas within the Network, it is physically impossible to transport Gas delivered at a User Receipt Point on that part of the Network to DPs on the remainder of the Network).
- (78) **'Tanunda Region'** means the area within the boundary of postcode 5352.
- (79) **'Tariff C'** means the tariff for the Commercial Haulage Service.
- (80) **'Tariff D'** means the tariff for the Demand Haulage Service.
- (81) **'Tariff R'** means the tariff for the Domestic Haulage Service.
- (82) **'Tariff Schedule'** means the tariff schedule contained in Annexure B to this Access Arrangement or, if AGN has published a revised tariff schedule, the tariff schedule in effect from time to time.
- (83) **'Technical Regulator'** has the meaning given to it in the *Gas Act 1997 (SA)*.
- (84) **'Term'**, in relation to an Agreement, means the period on and from the Start Date of that Agreement up to, and including, the date on which the Agreement terminates in accordance with its terms.
- (85) **'Third Access Arrangement Period'** means the period from 1 July 2011 to 30 June 2016.
- (86) **'TJ'** means a terajoule, which is 1000 gigajoules.
- (87) **'Unaccounted for Gas'** or **'UAFG'** means the difference between the Quantity of Gas received into the Network and delivered out of the Network, over a specified period of time.
- (88) **'Upstream Operator'** means the operator of a transmission pipeline, a distribution network or another facility through which Gas is delivered to any Receipt Point.
- (89) **'Unplanned Interruption'** means an interruption of the supply of Gas to the Network to carry out unanticipated or unplanned maintenance or repairs in any case where there is an actual or apprehended threat to the safety, reliability or security of the supply of Gas through the Network, and includes:
- a. an interruption in circumstances where, in the opinion of AGN, a Customer's installation or the Network poses an immediate threat of injury or material damage to any person, any property or the Network; or
  - b. an interruption in circumstances where:
    - i. there are health or safety reasons warranting an interruption; or
    - ii. an emergency warranting an interruption; or
    - iii. AGN is required to interrupt supply at the direction of a relevant authority; or
  - c. an interruption to shed demand for Gas because the total demand for Gas at the relevant time exceeds the total supply available; or
  - d. an interruption to restore supply to a Customer.
- (90) **'User'** means a person who has a current contract for a Network Service or where there has been an arbitration, has an entitlement to a Network Service.
- (91) **'User DP'**, in relation to an Agreement, means each DP identified as a User DP in or by reference to the Specific Terms and Conditions which form part of that Agreement.
- (92) **'User Receipt Point'**, in relation to a Network User, means each Receipt Point identified as a User Receipt Point in or by reference to the Specific Terms and Conditions which form part of that

Agreement.

- (93) **'Volume DP'** means a Commercial DP or a Domestic DP.
- (94) **'Volume of Gas'** means volume in Cubic Metres.
- (95) **'Whyalla Region'** means the area shown in Annexure C as the Whyalla Region.
- (96) **'Year'** means any period of 12 consecutive months.
- (97) **'Zone'** means the Central Zone, the Northern Zone or the Southern Zone.

# ANNEXURE A AGN SA Gas Distribution Network



## ANNEXURE B

### Tariff Schedule - 2016/17

**Table 1: Tariff R (Domestic Haulage Reference Service) – all areas excluding Tanunda**

Daily Charges (exc GST)	
Base Charge (\$/day)	0.3452
Charge for the first 0.0274 GJ of Gas delivered (\$/GJ)	27.8502
Charge for the next 0.0219 GJ of Gas delivered (\$/GJ)	13.4437
Charge for additional Gas delivered (\$/GJ)	4.5509

**Table 2: Tariff R (Domestic Haulage Reference Service) – Tanunda**

Daily Charges (exc GST)	
Base Charge (\$/day)	0.3452
Charge for the first 0.0274 GJ of Gas delivered (\$/GJ)	36.2053
Charge for the next 0.0219 GJ of Gas delivered (\$/GJ)	17.4768
Charge for additional Gas delivered (\$/GJ)	5.9162

*Notes:*

- 1. The total daily Charge will comprise the Base Charge plus a Charge for the Quantity of Gas delivered (or estimated to have been delivered) through the Domestic Delivery Point.*
- 2. The Charge for the Quantity of Gas delivered (or estimated to have been delivered) through the Domestic Delivery Point will be calculated at the rates shown in the table.*
- 3. A reference in the table to the Gas delivered through the Domestic Delivery Point is a reference to Gas delivered through the Domestic Delivery Point whether for the account of the Network User or for the account of any other person or persons.*
- 4. Charges will be calculated to four decimal places.*

**Table 3: Tariff C (Commercial Haulage Reference Service) – all areas excluding Tanunda**

<b>Daily Charges (exc GST)</b>	
Base Charge (\$/day)	0.7267
Charge for the first 0.9863 GJ of Gas delivered (\$/GJ)	13.8615
Charge for the next 4.2740 GJ of Gas delivered (\$/GJ)	7.4394
Charge for the next 11.1780 GJ of Gas delivered (\$/GJ)	3.1883
Charge for additional Gas delivered (\$/GJ)	1.7259

**Table 4: Tariff C (Commercial Haulage Reference Service) – Tanunda**

<b>Daily Charges (exc GST)</b>	
Base Charge (\$/day)	0.7267
Charge for the first 0.9863 GJ of Gas delivered (\$/GJ)	18.0200
Charge for the next 4.2740 GJ of Gas delivered (\$/GJ)	9.6712
Charge for the next 11.1780 GJ of Gas delivered (\$/GJ)	4.1448
Charge for additional Gas delivered (\$/GJ)	2.2437

**Notes:**

1. *The total daily Charge will comprise the Base Charge plus a Charge for the Quantity of Gas delivered (or estimated to have been delivered) through the Commercial Delivery Point.*
2. *The Charge for the Quantity of Gas delivered (or estimated to have been delivered) through the Commercial Delivery Point will be calculated at the rates shown in the table.*
3. *A reference to the Gas delivered through the Commercial Delivery Point is a reference to Gas delivered through the Commercial Delivery Point whether for the account of the Network User or for the account of any other person or persons.*
4. *Charges will be calculated to four decimal places.*



**Table 5 - Tariff D (Demand Haulage Reference Service - Adelaide Region)**

MDQ at Delivery Point	Monthly Charge (exc GST)		
	Northern Zone	Central Zone	Southern Zone
50GJ or less	2,672.1361	2,672.1361	2,672.1361
Next 50GJ \$/GJ of MDQ for MDQ over 50GJ	51.9579	61.7046	72.7683
Next 900GJ \$/GJ of MDQ for MDQ over 100GJ	32.4374	39.24095	45.5722
Additional GJ \$/GJ of MDQ for MDQ over 1000GJ	9.8284	11.2454	13.7434

**Table 6 – Tariff D (Demand Haulage Reference Service - Other Regions)**

MDQ at Delivery Point	Monthly Charge (exc GST)				
	Port Pirie Region	Riverland Region	South East Region	Peterborough Region	Whyalla Region
50GJ or less	2,672.1361	3,771.7838	2,672.1361	3,771.7838	2,672.1361
Next 50GJ \$/GJ of MDQ for MDQ over 50GJ	51.9579	75.8658	51.9579	75.8658	51.9579
Next 900GJ \$/GJ of MDQ for MDQ over 100GJ	18.0066	47.2738	26.8177	47.2738	26.8177
Additional GJ \$/GJ of MDQ for MDQ over 1000GJ	9.0472	9.8284	9.8284	9.8284	9.8284

*Notes:*

1. *The Charges shown in Tables 3 and 4 are charges for a complete calendar month.*
2. *The Charge for a calendar month will accrue from day to day in equal portions.*
3. *Charges will be calculated to four decimal places.*
4. *For the purpose of calculating daily overrun charges pursuant to clause 5 of the General Terms and Conditions, the overrun rate is \$15 per GJ (excl GST).*

**Table 7 – Ancillary Reference Tariffs (exc GST)**

<b>Ancillary Reference Service</b>	<b>Tariff</b>
Special Meter Read	10.20
Disconnection	71.00
Reconnection	71.00
Meter Removal	71.00
Meter Reinstallation	77.00
Meter Gas and Installation test	210.00

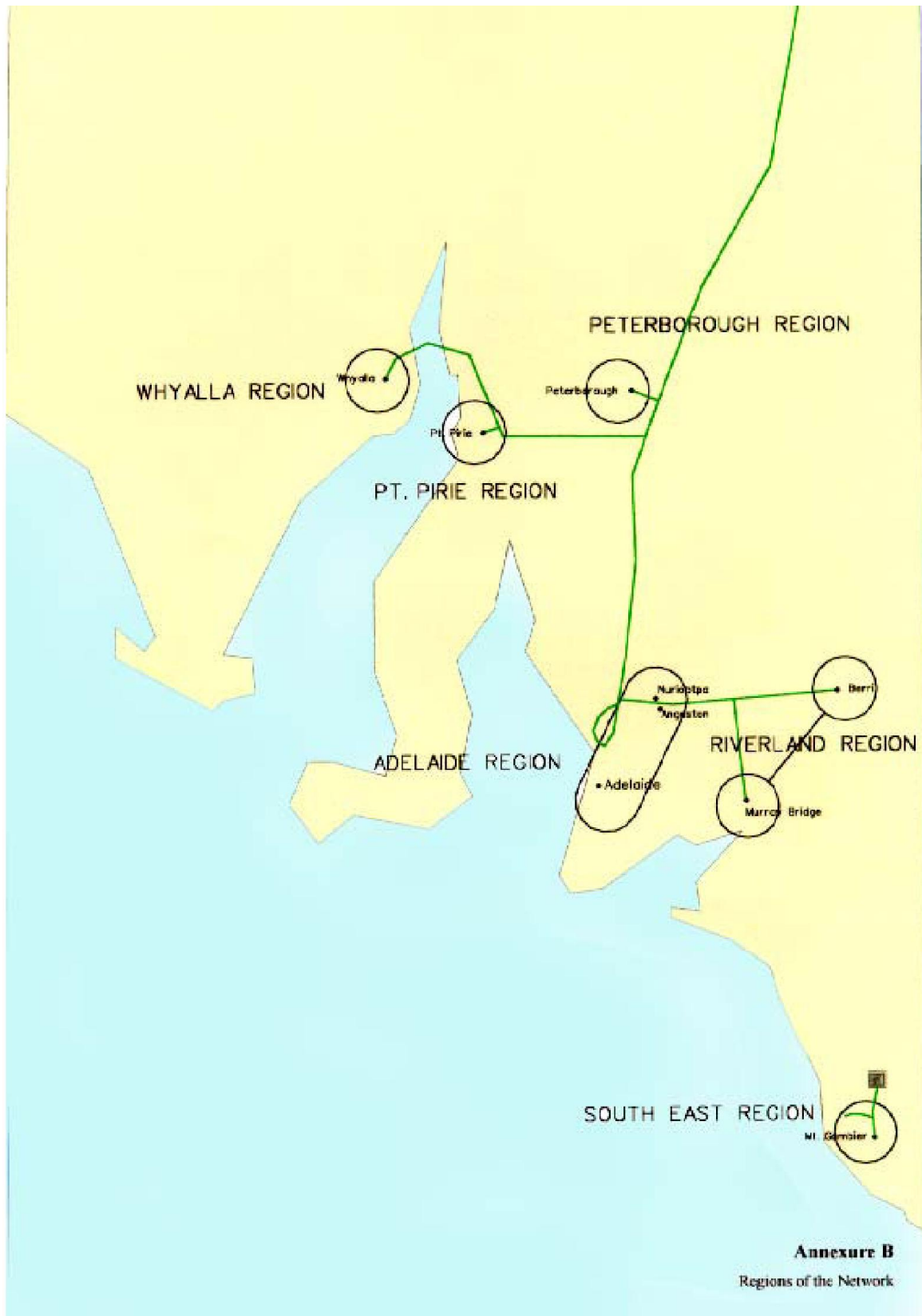
*Note:*

*Where the Reference Tariff for an Ancillary Reference Service (as varied) is less than \$20, the Reference Tariff (as varied) will be rounded to the nearest 10 cents (with five cents rounded upwards). Where the Reference Tariff for an Ancillary Reference Service (as varied) is \$20 or more, the Reference Tariff (as varied) will be rounded to the nearest dollar (with 50 cents rounded upwards).*

# ANNEXURE C

## Map showing Regions\* of the Network

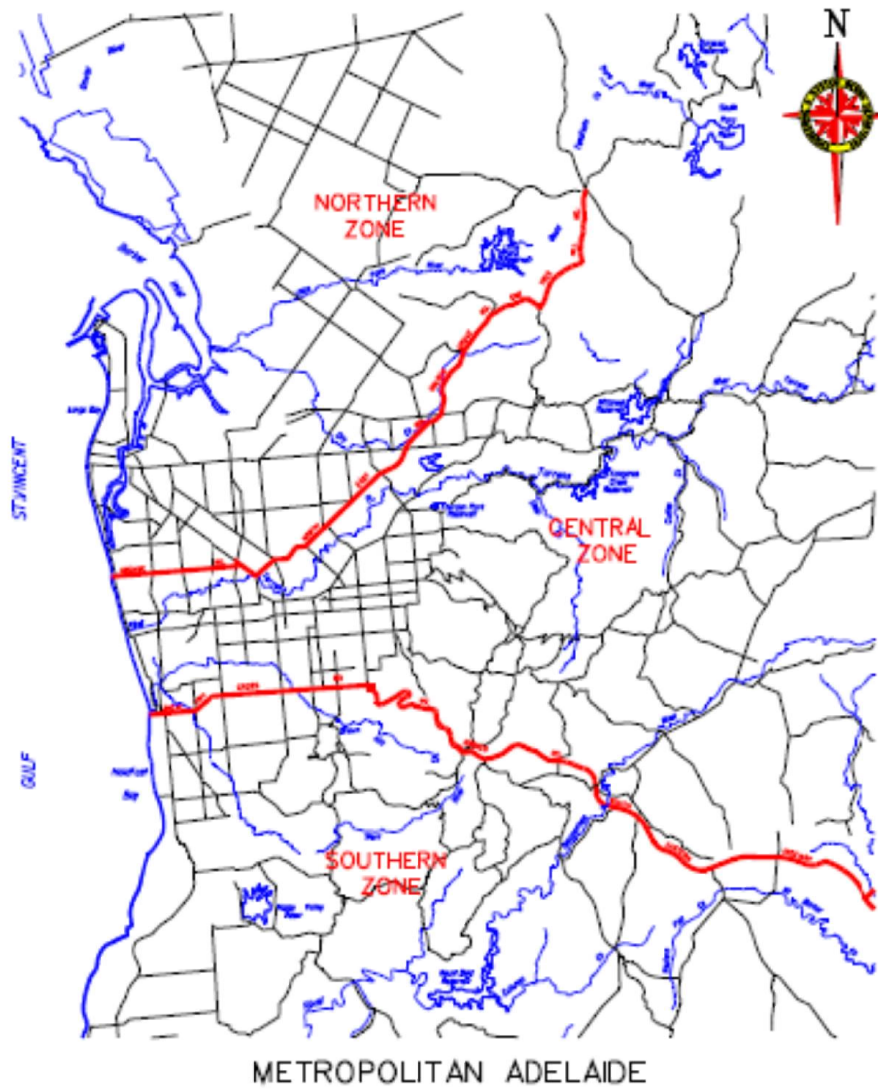
(\*excluding Tanunda Region)





## ANNEXURE D

### Map showing Tariff Zones within the Adelaide Region



## ANNEXURE E

### Reference Tariff Control Formulae

Any proposed variations to the Haulage Reference Tariffs pursuant to section 4.1 of this Access Arrangement must comply with the formulae set out in this Annexure.

#### BOX 1: TARIFF CONTROL FORMULA

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

where:

$CPI_t$  is calculated as the CPI for the year ending 31 March immediately preceding the start of year  $t$ , divided by the CPI for the year ending 31 March immediately preceding the start of year  $t-1$ ;

$X_t^*$  is -0.05 for 2017/18;

$X_t^*$  is -0.05 for 2018/19;

$X_t^*$  is -0.05 for 2019/20;

$X_t^*$  is -0.05 for 2020/21;

$n$  is the number of different Reference Tariffs;

$m$  is the different components, elements or variables ("components") comprised within a Reference Tariff;

$p_t^{ij}$  is the proposed component  $j$  of Reference Tariff  $i$  in year  $t$ ;

$p_{t-1}^{ij}$  is the prevailing component  $j$  of Reference Tariff  $i$  in year  $t-1$ ; and

$q_{t-2}^{ij}$  is the audited quantity of component  $j$  of Reference Tariff  $i$  that was sold in year  $t-2$  (expressed in the units in which that component is expressed (eg, GJ)).

\*  $X_t$  will be updated to reflect the annual update to the trailing average portfolio return on debt consistent with Attachment 10.2 to this AAI

## BOX 2: REBALANCING CONTROL FORMULA

The following formula applies to each tariff class separately

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

where:

$CPI_t$  is calculated as the CPI for the year ending 31 March immediately preceding the start of year  $t$ , divided by the CPI for the year ending 31 March immediately preceding the start of year  $t-1$ ;

$X_t^*$  is -0.05 for 2017/18;

$X_t^*$  is -0.05 for 2018/19;

$X_t^*$  is -0.05 for 2019/20;

$X_t^*$  is -0.05 for 2020/21;

$Y_t$  is 0.02;

$m$  is the components comprised within Reference Tariff ;

$p_t^j$  is the proposed component  $j$  of Reference Tariff in year  $t$ ;

$p_{t-1}^j$  is the prevailing component  $j$  of Reference Tariff in year  $t - 1$ ;

$q_{t-2}^j$  is the audited quantity of component  $j$  of Reference Tariff that was sold in year  $t - 2$  (expressed in the units in which that component is expressed (eg, GJ)); and

$n$  is the number of different Reference Tariffs;

\*  $X_t$  will be updated to reflect the annual update to the trailing average portfolio return on debt consistent with Attachment 10.2 to this AAI

## ANNEXURE F

### Specific Terms and Conditions

<b>Network User</b> <sup>1</sup>
<b>User Receipt Points</b> The Receipt Points identified in, or identified in accordance with, Schedule 1 to these Specific Terms and Conditions (as that Schedule may be amended from time to time by agreement in writing between the Network User and AGN).
<b>User Delivery Points</b> [Each Delivery Point in respect of which the Network User is the current user (as defined in the Retail Market Procedures) from time to time.] <sup>2</sup>
<b>Start Date</b>
<b>Term</b> [Commencing on the Start Date and ending on a date to be agreed between the Network User and AGN (or, if the Agreement is terminated earlier, the period from the Start Date until the date on which the Agreement is terminated).] <sup>3</sup>

<b>MDQ</b> For a User Delivery Point which is a Demand Delivery Point, the MDQ is: <ul style="list-style-type: none"><li>(a) the MDQ shown in relation to that User Delivery Point in Attachment 1 to these Specific Terms and Conditions; or</li><li>(b) if the MDQ is not shown in that Attachment, the MDQ as agreed between AGN and the Network User or, in default of agreement, as determined by AGN, in accordance with, or determined in the manner set out in, the Access Arrangement (as defined below)<sup>2</sup></li></ul> (in either case, as increased or decreased from time to time in accordance with the General Terms and Conditions (as defined below)).
<b>Notice Details (for the Network User)</b> Address: Telephone: Facsimile: E-mail:

<sup>1</sup> Insert the name and ABN of the Network User.

<sup>2</sup> Amend as appropriate to define the Delivery Points to which Gas is to be delivered.

<sup>3</sup> Amend as appropriate to describe the Term.

#### Provisions of Agreement

This document evidences that AGN Limited and the Network User have entered into a haulage agreement (**the Agreement**) for the provision of Network Services on and subject to the terms of the Agreement, which comprises:



- (a) the Specific Terms and Conditions set out in this document; and
- (b) the terms and conditions applicable to Haulage Reference Services under the Access Arrangement (including, but without limitation, the pre-conditions set out in sections 6.3 and 6.4 of the Access Arrangement) (**the General Terms and Conditions**).

Unless the context otherwise requires, terms used in the Agreement will have the same meanings as they have for the purpose of the Access Arrangement.

In these Specific Terms and Conditions, "**Access Arrangement**" means the access arrangement as in force from time to time under the National Gas Law (as defined in the *National Gas (South Australia) Act 2008 (the Act)*) in relation to AGN's South Australian gas distribution system.

**EXECUTED** as an Agreement on \_\_\_\_\_ day of \_\_\_\_\_ 20\_\_

Executed by

\_\_\_\_\_  
(ABN \_\_\_\_\_)

in accordance with Section 127 of the Corporations Act

.....  
Director

.....  
Director/Secretary

.....  
Name  
(BLOCK LETTERS)

.....  
Name  
(BLOCK LETTERS)

Executed by

**AGN LIMITED**  
(ABN 19 078 551 685)

in accordance with Section 127 of the Corporations Act

.....  
Director

.....  
Director/Secretary

.....  
Name  
(BLOCK LETTERS)

.....  
Name  
(BLOCK LETTERS)

## ANNEXURE F cont'd

### SCHEDULE 1

#### USER RECEIPT POINTS

1. The outlet of the Elizabeth Gate Station;
2. The outlet of the Gepps Cross Gate Station;
3. The outlet of the Taperoo Gate Station;
4. The outlet of the Nuriootpa Gate Station;
5. The outlet of the Angaston Gate Station;
6. The outlet of the Berri Gate Station;
7. The outlet of the Murray Bridge Gate Station;
8. The outlet of the Whyalla Gate Station;
9. The outlet of the Port Pirie Gate Station;
10. The outlet of the Peterborough Gate Station;
11. The outlet of the Mount Gambier Gate Station;
12. The downstream flange of the Epic Energy-owned Freeling Gate Station;
13. The outlet of the SEAGas Cavan Interconnection Pipeline; and
14. Any other point that AGN and the Network User may from time to time agree in writing is a User Receipt Point for the purposes of the Agreement.<sup>4</sup>

<sup>4</sup> Amend as appropriate to describe the Receipt Points through which Gas will be delivered by or for the account of the Network User.

## ANNEXURE F cont'd

### ATTACHMENT 1

#### MDQs for DEMAND DELIVERY POINTS

This Annexure lists the User Delivery Points at the Start Date that are Demand Delivery Points at the Start Date and shows the MDQ for those User Delivery Points as at the Start Date. The User Delivery Points are the Delivery Points located at the addresses shown in the table below, which have been assigned the MIRNS shown in the table below (where MIRN has the meaning given to it in the Retail Market Procedures).

<b>No.</b>	<b>Customer</b>	<b>MIRN</b>	<b>Address</b>	<b>MDQ ( in GJ)</b>



## **ANNEXURE G**

### **General Terms and Conditions**

**(see separate document)**

# ANNEXURE H

## Heating Value Zones in Metropolitan Adelaide

