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2015 Amendment to the Gas Transmission Information Disclosure Determination 2012

[2015] NZCC 8

- Amendments to the body of the determination and Schedules 13-20 are marked as track changes
- Schedules 1-12b replace Schedules 1-12b of the Gas Transmission Information Disclosure Determination 2012, published 1 October 2012

The Commission:

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Date of determination:

24 March 2015

Date of Original Determination, Decision No. NZCC 24: 1 October 2012

Determination history		
Determination date	Decision number	Determination name
1 October 2012	NZCC 24	Gas Transmission Information Disclosure Determination
24 March 2015	NZCC 8	2015 Amendment to the Gas Transmission Information Disclosure Determination 2012

Commerce Commission
Wellington, New Zealand

2015 AMENDMENT TO THE GAS TRANSMISSION INFORMATION DISCLOSURE DETERMINATION 2012

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Pursuant to Part 4 of the Commerce Act 1986, the Commerce Commission makes the following determination:

PART 1 GENERAL PROVISIONS

1.1 **DETERMINATION AMENDED**

~~1.1.1~~ This ~~determination is the~~ **Amendment** amends the **October 2012 determination** ~~Gas Transmission Information Disclosure Determination 2012.~~

~~1.1.2~~ Amendments to the body of the determination and Schedules 13-20 of the **October 2012 determination** are marked as track changes in this **Amendment**.

~~1.1.1.1.3~~ Schedules 1-12b of this **Amendment** replace Schedules 1-12b of the **October 2012 determination**.

1.2 **COMMENCEMENT DATES**

~~1.2.1~~ This **October 2012 determination** ~~came~~ **comes** into force on 1 October 2012.

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~~1.2.1.2.2~~ This **Amendment** comes into force **26 March 2015**.

1.3 **APPLICATION**

1.3.1 This determination applies to **gas transmission businesses** as suppliers of regulated goods and services under Part 4 of the **Act**.

1.4 **INTERPRETATION**

1.4.1 In this determination, unless the context otherwise requires-

- (1) Terms in bold type in the main body of this determination (~~this includes~~ **the attachment**) have the meaning given to those terms in this section 1.4. Terms used in the schedules are defined in Schedule 16;
- (2) Terms used in this determination that are defined in the **Act** but not in this determination, have the same meanings as in the **Act**;
- (3) Terms used in this determination that are defined in the **IM determination** but not in this determination have the same meanings as in the **IM determination**;
- (4) A word which denotes the singular also denotes the plural and vice versa;

- (5) An obligation to do something is deemed to include an obligation to cause that thing to be done;
- (6) Financial items must be measured and disclosed in accordance with **GAAP** ~~or the IM determination~~ unless otherwise required ~~by~~ in this determination or the IM determination;
- (7) Non-financial items must be measured and disclosed in accordance with standard industry practice unless otherwise required in this ~~D~~determination.

1.4.2 If there is any inconsistency between the main body of this determination (including the attachments) and any schedule to this determination, the main body of this determination prevails.

1.4.3 In this determination, the words or phrases in bold type bear the following meanings:

A

Act	means the Commerce Act 1986
Allocated works under construction	means, for the components of the works under construction roll-forward, the works under construction values after the application of clause 2.1.1 of the IM determination
Allocation methodology type	has the meaning given set out in the IM determination
Allocator	means the measure used to allocate operating costs or regulated service asset values that are not directly attributable as given set out in clause 2.1.3 or clause 2.1.5 of the IM determination
<u>Amendment</u>	<u>means this 2015 Amendment to the Gas Transmission Information Disclosure Determination 2012</u>
AMP	means asset management plan
AMP planning period	has the meaning specified in sub clause 3.4 of Attachment A to this determination
AMP update	has the meaning specified in clause 2.6.52-6.4 of section 2.6 of this determination

Asset management plan

has the meaning specified in clause 2.6.1 of ~~section 2.6~~ of this determination

Asset relocations

in relation to expenditure, means **expenditure on assets** where the **primary driver** is the need to relocate assets due to third party requests, such as for the purpose of allowing road widening or similar needs. This expenditure category includes **expenditure on assets** relating to the undergrounding of previously aboveground assets at the request of a third party

Asset replacement and renewal

means-

(a) in relation to **capital expenditure, expenditure on assets**

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(b) in relation to **operational expenditure, operational expenditure**

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where the **primary driver** is the need to maintain **network** asset integrity so as to maintain current security and/or quality of supply standards and includes expenditure to replace or renew assets incurred as a result of-

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- the progressive physical deterioration of the condition of **network** assets or their immediate surrounds;
- the obsolescence of **network** assets;
- preventative replacement programmes, consistent with asset life-cycle management policies; or
- the need to ensure the ongoing physical security of the **network** assets

Assets commissioned

means-

(a) in relation to the **unallocated RAB** or **unallocated works under construction**, the sum of value of **commissioned** assets as determined in accordance with clause 2.2.11 of the **IM determination**;

(b) in relation to the **RAB or allocated works under construction**, the value of the assets (as determined in accordance with

- paragraph (a)) which is allocated to the **gas transmission services** in accordance with clause 2.1.1 of the **IM determination**;
- (c) in relation to forecast information, a forecast of the value of the assets (as determined in accordance with paragraph (b)) for a future **disclosure year**

Atypical

means 'one-off' or 'exceptional' costs

Audited disclosure information

means information disclosed under any of clauses 2.3.1 ~~and~~ 2.3.2, ~~2.12.1 and 2.12.5~~ of this determination and the explanatory notes disclosed in boxes 1 to 12 of Schedule 14 under clause 2.7

B

C

Capital contributions

has the meaning ~~set out given~~ in the **IM determination**

Capital expenditure

means-

- (a) in relation to the **unallocated works under construction**, costs-
- (i) incurred in the acquisition or development of an asset during the **disclosure year** that is, or is intended to be, **commissioned**; and
 - (ii) that are included or are intended to be included in the value of **assets commissioned** relating to the **unallocated RAB**;
- (b) in relation to the ~~R~~report on **related party transactions**, costs-
- (i) incurred in the acquisition or development of an asset during the **disclosure year** that is, or is intended to be, **commissioned**; and
 - (ii) that are included or are intended to

be included in the value of **assets commissioned** relating to the **RAB**; and

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(iii) that are as a result of **related party transactions**;

(c) in all other instances, costs-

(i) incurred or forecast to be incurred in the acquisition or development of an asset during the **disclosure year** that is, or is intended to be, **commissioned**; and

(ii) that are included or are intended to be included in the value of **assets commissioned** relating to the **RAB**

Commencement date means the date specified in clause 1.2.1 of this determination

Commission means the Commerce Commission

Commissioned has the meaning ~~given set out~~ in the **IM determination**

~~**Compressors** means includes the prime mover (engine or turbine), the compressor, the control system and the ancillaries~~

Connection point means a welded connection

Constant prices means, in relation to the prospective disclosures made under ~~sub~~clauses 2.6.1, 2.6.3, and ~~2.6.6-2.6.5(1)~~ of this determination, prices expressed in New Zealand dollars as at the mid-point of the **current year**. Constant price expenditure forecasts are forecasts based on constant price assumptions

Consumer means a **person** that consumes or acquires **gas transmission services**

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Consumer connection ~~i~~n relation to expenditure, means **expenditure on assets** where the **primary driver** is the establishment of a new customer **connection**

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point or alterations to an existing customer **connection point**. This expenditure category includes **expenditure on assets** relating to-

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- connection assets and/or parts of the **network** for which the expenditure is recoverable in total, or in part, by a contribution from the customer requesting the new or altered **connection point**; and

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(a)

- (b) both gas **intake points** and **offtake points** of connection

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Constant prices

~~means, in relation to the prospective disclosures made under subclauses 2.6.1, 2.6.3, and 2.6.5(1), prices expressed in New Zealand dollars as at the mid-point of the current year. Constant price expenditure forecasts are forecasts based on constant price assumptions~~

Contract

means a contract for the supply of goods or services (or both) whether or not the contract, or any part of the contract, is in writing and, for the avoidance of doubt, includes-

- (a) a contract under which goods or services (or both) are being supplied, although some or all of the terms and conditions in relation to the supply of those goods or services have not been settled; and
- (b) any operating agreement, side letter, or documentation that influences, adjusts or amends the terms and conditions of the contract

Contracting services

means the following services, when provided under a **contract** between the **GTB** and a **related party**-

- (a) construction and maintenance
- (b) **network** management

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connection and disconnection services

Cost of financing means the cost of financing incurred by a ~~an~~ **GTB** and accumulated during the construction phase of a project that creates a new **network** asset, determined in accordance with clause 2.2.11(2) of the **IM determination** and allocated to the **gas transmission services** in accordance with clause 2.1.1 of the **IM determination**

CPP has the meaning ~~given~~~~set out~~ in the **IM determination**

Current year or CY means-

- (a) in relation to the historic disclosures made under ~~sub~~clause 2.3.1 ~~of this determination~~, the **disclosure year** of the report
- (b) in relation to the prospective disclosures made under ~~sub~~clauses 2.6.1, 2.6.3, and ~~2.6.6-2.6.5(1)~~ ~~of this determination~~, the **disclosure year** in which the report is prepared

CY, CY-X or CY+X means

- (a) the **current year**_i or
- (b) where a '-' precedes 'X', the Xth year preceding the **current year**_i or
- (c) where a '+' precedes the 'X', the Xth year following the **current year**

D

~~**Direct billing** in relation to expenditure, means **operational expenditure** associated with directly billing end consumers and recovering payments due. This includes billing services, credit and debtor management, associated customer call centres, and customer account management~~

Directly attributable has the meaning ~~given~~~~set out~~ in the **IM determination**

Director has the meaning ~~given~~~~set out~~ in the **IM**

determination

Directly attributable

has the meaning set out in the **IM determination**

Disclosure year

means

~~(a)~~ for **Vector**, the 12 month period ending on 30 June of the year the disclosure relates to, or if the term disclosure year is combined with a year, the 12 month period ended on 30 June of that year (*for Vector, disclosure year 2013 is the 12 months ended 30 June 2013*).

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(a)

(b) for **MDL**, the 12 month period ending on 31 December of the year ~~to~~ the disclosure relates to (*for MDL, disclosure year 2013 is the 12 months ended 31 December 2012*)

DPP regulatory period

has the meaning ~~given set out~~ in the **IM Determination**

E

EDB

has the meaning given in the Electricity Distribution Services Input Methodologies Determination 2012 [2012] NZCC 26, including, for the avoidance of doubt, any amendment in effect at the time this determination comes into force

Error

means incorrect information disclosed in accordance with the **October 2012 determination** as amended at the time of the disclosure, in such a way that-

(a) the data is incorrect;

(b) a statement is incorrect; or

(c) the compilation of disclosed information is inconsistent with the **October 2012 determination** as amended at the time of

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	<p><u>disclosure; and</u></p> <p><u>is not where-</u></p> <p><u>(d) the correction is to the initial RAB;</u></p> <p><u>(e) an estimate has changed due to new information becoming available;</u></p> <p><u>(f) the change is a lost and found assets adjustment;</u></p>
Expenditure on assets	<p><u>means</u> the expenditure relating to costs included or expected to be included in a closing RAB value and is equal to capital expenditure plus value of capital contributions less value of vested assets less cost of financing, where capital expenditure has meaning (b) or, in respect of related party transactions, meaning (c) as set out in this determination</p>
Fault	<p>F</p> <p><u>means a physical condition that causes a device, component or network element to fail to perform in the required manner</u></p>
GAAP	<p>G</p> <p>means generally accepted accounting practice in New Zealand, as defined in the IM determination</p>
Gains / (losses) on asset disposal	<p>means, in respect of-</p> <p>(a) asset disposals to a related party, nil;</p> <p>(b) asset disposals to a regulated supplier, nil;</p> <p>(c) asset disposals (other), the values determined in accordance with GAAP and clause 2.1.1 of the IM determination</p>
Gas pipeline services	has the meaning given <u>set out</u> in s 55A of the Act
Gas transmission services	has the meaning given <u>set out</u> in the IM determination

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GDB

has the meaning ~~given set out~~ in the Gas Distribution Services Input Methodologies Determination 2012 [2012] NZCC 27, including, for the avoidance of doubt, any amendment in effect at the time this determination comes into force-Gas Distribution Services Input Methodologies Determination 2010 (Commerce Commission Decision 712, 22 December 2010)

GTB (or gas transmission business)

means GTB as that term is defined ~~has the meaning set out~~ in the **IM determination**

H

I

Initial RAB

has the meaning set out in the ~~IM~~ **determination**

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IM determination

means the Gas Transmission Services Input Methodologies Determination 2012 [2012] NZCC 28, including amendments in effect at the time this determination comes into force ~~refers to the Gas Transmission Services Input Methodologies Determination 2010 (Commerce Commission Decision 712, 22 December 2010)~~

Independent auditor

means a **person** who-

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- (a) is qualified for appointment as auditor of a company under the Companies Act 1993 or, where the **GTPB** is a public entity (as defined in s 4 of the Public Audit Act 2001), is the Auditor-General;
- (b) has no relationship with, or interest in, the **GTPB** that is likely to involve a conflict of interest;
- (c) has not assisted with the compilation of the information or provided advice or opinions (other than in relation to audit reports) on the methodologies or

processes used in compiling the information; and

- (d) is not associated with nor directed by any **person** who has provided any such assistance, advice, or opinion

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Indirectly affected data and statements

means data or statements which are incorrect only because they relied on disclosed data or statements that are affected by an error

Initial RAB

has the meaning ~~given set out~~ in the **IM determination**

Intake point

means a point where gas is intended to enter the **network**

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Interruption

means the cessation of supply of gas for a period of 1 minute or longer, other than by reason of disconnection in accordance with the terms of the **contract** under which the gas is supplied

L

Legislative and regulatory

in relation to expenditure, means **expenditure on assets** where the **primary driver** is a new regulatory or legal requirement that results in the creation of, or modification to, **network assets**

Line charge revenue

means revenue from **prices**

Lost and found assets adjustment

means-

- (a) in relation to the **unallocated RAB**, the value of found assets as determined in accordance with clause 2.2.12 of the **IM determination**, less the value of lost assets. The value of a lost asset is the **unallocated opening RAB value of the asset less regulatory depreciation as unallocated opening RAB value and regulatory depreciation are determined in accordance with the **IM determination****;
- (b) in relation to the **RAB**, the value of the

asset (as determined in accordance with paragraph (a)) which is allocated to gas transmission services in accordance with clause 2.1.1 of the IM determination
(c) in relation to the regulatory tax asset base roll-forward, the sum of regulatory tax asset values for found assets less the sum of regulatory tax asset values of lost assets, where 'found assets' and 'lost assets' have the meanings given in the IM determination

M

Main-line valve

means any valves and ancillary devices in a dedicated station, installed for purpose of stopping the flow of gas in a pipeline or lateral. This does not include instrumentation valves or valves installed in any other station type

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~~means any valves and ancillary devices in a dedicated station, installed for purpose of stopping the flow of gas in a pipeline or lateral. This does not include instrumentation valves or valves installed in any other station type~~

Mark-up

means the percentage margin charged on the directly attributable cost incurred by the **related party** in providing a good or service which is included in the price of the good or service

MDL

means Maui Development Limited

N

Net value of vested assets

~~means the fair value of assets whose ownership is vested in a **GTB** (whether or not for some consideration) less any consideration paid for those assets and allocated to the **gas transmission services** in accordance with clause 2.1.1 of the **IM determination**~~

Network	has the meaning given set out in the IM determination
Nominal New Zealand dollars	in relation to an expenditure or revenue forecast, means the New Zealand dollar prices expected to apply in the year at the time of the the transaction
Non-network capex	in relation to expenditure, means expenditure on assets related to the provision of gas pipeline services but that is not directly related to any network asset, and includes expenditure on or in relation to- <ul style="list-style-type: none">• information and technology systems;• asset management systems;• office buildings, depots and workshops;• office furniture and equipment;• motor vehicles;• tools, plant and machinery; and• any other items treated as non-system fixed assets under GAAP
Non-network assets	means assets related to the provision of gas pipeline services but that are not a network asset, and include- <ul style="list-style-type: none">(a) information and technology systems; <u>(a)</u>(b) asset management systems; <u>(b)</u>(c) office buildings, depots and workshops; <u>(c)</u>(d) office furniture and equipment; <u>(d)</u>(e) motor vehicles; <u>(e)</u>(f) tools, plant and machinery; and <u>(f)</u> any other items treated as non-system fixed assets under GAAP

- (g) any other assets under GAAP that are not network assets

Non-standard contract

means a **contract** for **gas transmission services** that is not a **standard contract**

Not directly attributable

means-

- (a) in relation to **operating costs, operating costs** that are not **directly attributable**;
- (b) in relation to **regulated service asset values, regulated service asset values** that are not **directly attributable**

O

October 2012 determination

means the Gas Transmission Information Disclosure Determination 2012, published 1 October 2012

Offtake peak

means, in relation to an **offtake point** on a **transmission system**, a period of specified duration during which the throughput of gas at the **offtake point** in the year ended 30 September is at its peak

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Offtake point

means a point where gas is intended to exit the **network** owned by a **person** either; to enter a distribution network owned by the same **person**, or for use, conveyance, storage or any other purpose by any other **person**.

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Operating cost

has the meaning ~~given set out~~ in the **IM determination**

Operational expenditure

means **operating costs** after applying clause 2.1.1 of the **IM determination**, except in relation to the ~~R~~Report on **related party transactions** where it means **operating costs from related party transactions as determined** after applying clause 2.1.1 of the **IM determination** and clause 2.3.7 of this determination that are related party

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	transactions	
Original disclosure	means disclosures made in accordance with the October 2012 determination as amended at the time of the disclosure which contains a material or non-material error	
Other regulated income	has the meaning set out in the IM determination	
Other reliability, safety and environment	in relation to expenditure, means expenditure on assets where the primary driver is to improve network reliability or safety or to mitigate the environmental impacts of the network , but is not included in either of the quality of supply or legislative and regulatory categories. For example, this category may include expenditure on assets where the primary driver is to ensure staff safety or meet the GTB's environmental policies	Formatted: Font: Bold Formatted: Font: Bold Formatted: Font: Bold Formatted: Font: Bold Formatted: Font: Bold Formatted: Font: Bold Formatted: Font: Bold
Other system fixed assets (or other network assets)	means network assets used by the GTB to provide gas transmission services that are not pipes, stations, compressors, mainline valves, or special crossings	
	P	
Person	has the same meaning as defined in s 2 of the Act	
Planned interruption	means any interruption in respect of which not less than 10 days notice was given, either to the public or to all consumers affected by the interruption	Formatted: Font: Bold Formatted: Font: Bold
Prescribed contract	in relation to a GTB , means - (a) a contract under which the GTB supplies gas transmission services ; or (b) a contract for related services , if goods or services are to be supplied under the contract by—	

- (i) the **GTB**; or
- (ii) a **person** that is a **related party** of the **GTB**; or
- (iii) a **person** that supplies **gas pipeline services** by means of works owned by the **GTB**; or
- (iv) a **person** that is a **related party** of a **person** of the kind referred to in subclause (iii)

Prescribed terms and conditions means, in relation to a **contract** for the supply of **gas transmission services** or for **related services**, the terms and conditions of the **contract** that—

- (a) describe the goods or services to be supplied under the **contract**;
- (b) determine, or provide **for** the determination of the quantity or amount of those goods or services;
- (c) specify, determine, or provide for the determination of the-
 - (i) **price** at which those goods or services are to be supplied;
 - (ii) timing of payment for those goods or services;
 - (iii) security for payment for those goods or services; **and**
 - (iv) **GTB's** obligations and responsibilities (if any) to **consumers** in the event that the supply of **gas transmission services** to **consumers** is interrupted.

Pressure regulating station means a station that automatically regulates the pressure into a downstream piping system

Price component means the various tariffs, fees and charges that constitute the components of the total **price** paid, or payable, by a **consumer**

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Prices	has the meaning given set out in the IM determination
Pricing principles	means, in relation to the supply of gas pipeline services , the principles as defined in clause 2.5.2 of the IM determination
Pricing strategy	means a decision made by the Directors of the GTB on the GTB's plans or strategy to amend or develop prices in the future, and recorded in writing
Pricing year	means the 12-month period for which prices are set using the pricing methodology disclosed under clause 2.4.1 <u>of this determination</u>
Primary driver	<p>means the primary reason for a decision to incur a cost in the year the cost was incurred or forecast to be incurred.</p> <p>For example, an asset may be relocated at the request of a third party and, at the same time, capacity on the asset increased to take account of expected future demand. If it is the third party request that required the asset to be relocated at that time, then the expenditure on assets would be allocated to asset relocation. If the deadline for relocating the asset was not imminent, but the project had to be completed to allow for the increase in capacity, then the expenditure on assets would be allocated to system growth.</p> <p>Where there is more than one driver for a cost, and the cost is a significant proportion of operational expenditure or expenditure on assets, expenditure may be apportioned between expenditure categories according to the relative importance of each driver to the decision, or the project divided into cost categories</p>
Publicly disclose	in relation to any information, means to- (a) disclose the information to the public on

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the Internet at the **GTB**'s usual publicly accessible website;

(b) make copies of the information available for inspection by any **person** during ordinary office hours, at the principal office of the **GTB** making the public disclosure and

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(c) within 10 working days of being requested to do so by any **person**, provide that **person** with a copy of the information, either by post or for collection (during ordinary office hours) from that principal office, whichever the **person** prefers; and

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(d) within 5 working days after the information is disclosed to the public, provide a copy of the information to the **Commission** in the form that it is disclosed to the public and in an electronic format that is compatible with Microsoft Excel or Microsoft Word (as the case may be), and **public disclosure** and **publicly disclosing** have corresponding meanings

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Q

Quality of supply

in relation to expenditure, means **expenditure on assets** where the **primary driver** is the need to meet improved security and/or quality of supply standards. This may include expenditure to-

• reduce the overall **interruption/fault** rate of the **network**;

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(a)

• reduce the average time that **consumers** are affected by **planned interruptions** and/or **unplanned interruptions**; or

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(b)

• (c) reduce the average number of **consumers** affected by **planned interruptions** and/or **unplanned interruptions**.

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R

RAB	means regulatory asset base and for the components of the RAB roll-forward, the values after applying clause 2.1.1 of the IM determination
Record	has the meaning given set out in section 4 of the Public Records Act 2005
<u>Regulated service</u>	<u>has the meaning given in the IM determination</u>
Regulated service asset values	has the meaning given set out in the IM determination
Related party	has the meaning given set out in the IM determination
Related party transaction	means a transaction with a related party
Related services	means goods or services (other than the supply or conveyance of gas or gas appliances) supplied or to be supplied under a contract in any case where any contract for the supply of goods or services (other than a contract for the supply or conveyance of gas or the supply of gas appliances) in any case where- (a) there is a linkage between- (i) that contract ; and (ii) a contract for the supply or conveyance of gas by reason that the consideration for the supply of those goods or services is linked to, or combined with, payment for the supply or conveyance of that gas; and (b) the monetary value of the goods or services supplied, or to be supplied, under the contract referred to in (a)(i) above , in respect of- (i) the period of 12 months immediately before the information relating to the contract for the supply or conveyance of gas <u>referred to in (a)(ii) that</u> is

publicly disclosed as required by clauses 2.4.9 or 2.4.12 of this determination; or

- (ii) the period of 12 months immediately after that information is **publicly disclosed**-

amounts to or will amount to more than 1% of the monetary value or projected monetary value of the **contract** referred to in (a)(ii) for the supply or conveyance of gas

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Revenue

~~means total regulatory income accrued in each of the months of the disclosure year~~

Routine and corrective maintenance and inspection

in relation to expenditure, means **operational expenditure** where the **primary driver** is the activities specified in planned or programmed inspection, testing and maintenance work schedules and includes-

- ~~(a) fault~~ rectification work that is undertaken at a time or date subsequent to any initial **fault** response and restoration activities

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~~(a)~~

~~(b)~~ routine inspection

~~(b)~~

~~(c)~~ functional and intrusive testing of assets, plant and equipment including critical spares and equipment

~~(c)~~

~~(d)~~ helicopter, vehicle and foot patrols, including negotiation of landowner access

~~(d)~~

~~(e)~~ asset surveys

~~(e)~~

~~(f)~~ environmental response

~~(f)~~

~~(g)~~ painting of **network** assets

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~~(g)~~

~~(h)~~ outdoor and indoor maintenance of **stations**, including weed and vegetation clearance, lawn mowing and fencing

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~~(h)~~

~~(i)~~ maintenance of access tracks, including associated security structures and weed and vegetation clearance

~~(i)~~

~~(j)~~ customer-driven maintenance

~~(i)~~

(k) notices issued

Routine transaction

means a **related party transaction** involving **MDL** and one of its shareholder businesses which is conducted in accordance with the Maui Pipeline Operating Code, does not contain any non-routine terms and conditions and relates to gas transmission shipments, balancing gas transactions, or transactions for the purchasing or selling of gas that was initiated on an exchange/trading platform for anonymous trading

S

Shared asset

means a **network** asset used by more than one **consumer** in order to receive **gas transmission services**

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Sole use assets

means assets connected to the **network** for use by only 1 connecting **consumer** in order to receive **gas transmission services**

Special contract term

means -

- (a) a non-price term in a **contract** which materially differs from the terms which the parties in their respective positions would usually include in an arm's length **contract**;
or
- (b) the omission of a material non-price term from a **contract**, when the parties in their

respective positions would usually include that term in an arm's length **contract**; or a non-price term in a **contract** resulting from a tender process, which materially varies from, or was not included in, the contractual basis on which the tender proposals were requested or the terms proposed by the lowest qualifying tender from an unrelated party, which credibly could have performed the services

Special crossings

~~means a section of pipe and associated assets (i.e., support structures, vents, casings etc), where the associated assets are installed for the purpose of crossing a road, railway or river etc.~~

Standard contract

means any **contract** (being a **contract** for the provision of **gas transmission services**) between a **GTB** and any other **person**, where –

- (a) the **price** at which the **gas transmission services** are to be provided under the **contract** is determined solely by reference to a schedule of **prescribed terms and conditions**, being a schedule that is **publicly disclosed**; and
- (b) at least ~~4~~four other **persons** have such **contracts** with the **GTB**, and none of those other **persons** is a **related party** of the **GTB**, or is a **related party** ~~with~~ of those other **persons**

Stations

means a facility at which an operation on and/or measurement of the gas occurs by means of device(s) installed at the facility

System growth

in relation to expenditure, means **expenditure on assets** where the **primary driver** is a change in demand or injection on a part of the **network** which results in a requirement for either additional capacity to meet this demand or additional investment to maintain current

security and/or quality of supply standards due to the increased demand. This expenditure category includes **expenditure on assets** associated with SCADA and telecommunications assets

System peak

means, in relation to a **transmission system**, a period of specified duration during which the aggregate throughput of gas at all **offtake points** on the **transmission system** in the year ended 30 September is at its peak. The duration of the peak flow measurement period is specified to be that normally used by the business for its **transmission system** investment and capacity reservation evaluations

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T

Target revenue

means the revenue that the **GTB** expects to obtain from **prices**

Total opening RAB values

means-

- (a) in relation to the **unallocated RAB**, the sum of unallocated opening **RAB** values as determined in accordance with the **IM determination**;
- (b) in relation to the **RAB**, the sum of opening **RAB** values as determined in accordance with the **IM determination**

Total regulatory income

means-

- ~~(a) in relation to the Report on Regulatory Profit, the sum of **line charge revenue, gains/(losses) on asset sales and other regulatory income**~~
- ~~(b) in relation to the Report on Related Party Transactions, the income from **related party transactions** as determined after applying clause 2.3.6 and 2.3.7 of this determination~~

Transitional AMP	has the meaning given specified in sub clause 2.13.7(2) 2.12.12(2) of this determination
Transmission system	means- (a) in the case of MDL , the network or one of the component parts of the network owned by MDL ; (b) in the case of Vector , one of the component parts of the network owned by Vector

U

Unallocated RAB	means for the components of the RAB roll-forward, the values before the application of clause 2.1.1 of the IM determination
Unallocated works under construction	means for the components of the works under construction roll-forward, the works under construction values before the application of clause 2.1.1 of the IM determination

~~Unallocated 2009 modified asset values~~ means the value of the ~~2009 modified asset values~~ before any allocation of asset value relevant to the regulatory disclosures been undertaken

Unplanned interruption means any **interruption** ~~that is not a planned interruption~~**in respect of which less than 10 days notice, or no notice, was given, either to the public or to all consumers affected by the interruption**

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V

Value of capital contributions means the value of **capital contributions** received by a **GTB** and accumulated during the construction phase of a project that creates a new **network** asset, determined in accordance with clause 2.2.11(1)(h) of the **IM determination** and allocated to the **gas transmission services** in accordance with the

allocation of the regulated service asset values set out in clause 2.1.1 of the **IM determination**

Value of vested assets

means the consideration incurred by a **GTB** and accumulated during the construction phase of a project that creates a new **network** asset, determined in accordance with clause 2.2.11(1)(i) of the **IM determination**

Vector

means the gas transmission services activities undertaken by the Vector Group Limited

W

Works under construction

means-

(a) in relation to **unallocated works under construction**, the value of q calculated

using the following formula:

$$q = a + b - c + d$$

where-

a = **unallocated works under construction** - preceding **disclosure year**;

b = ~~unallocated~~ **capital expenditure**;

c = ~~unallocated~~ **assets commissioned**;
and

d = adjustment resulting from ~~as set~~ **asset** allocation;

(b) in relation to **allocated works under construction**, the value (as determined in accordance with paragraph (a)) which was allocated to **gas transmission services** in accordance with clause 2.1.1 of the **IM determination**;

~~(c) in relation to the establishment of the initial **RAB** value, the value of works under construction included in **unallocated 2009 modified asset values** as works under construction is defined in the **IM**~~

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| **determination**

PART 2 DISCLOSURE REQUIREMENTS

2.1 INFORMATION DISCLOSURE

2.1.1 Subject to sections 2.11 and ~~2.132-12~~, from the **commencement date** every **GTB** must comply with the information disclosure requirements set out in this determination. ~~and, in particular, must comply with-~~

~~(1) The requirements to disclose financial and other information in section 2.3;~~

~~(2) The requirement to disclose pricing and related information in section 2.4;~~

~~(3) The requirement to disclose non-financial information relating to network assets in section 2.5;~~

~~(4) The requirement to disclose asset management plans and forecast information in section 2.6;~~

~~(5) The requirement to disclose explanatory notes in relation to disclosed information in section 2.7;~~

~~(6) The audit, certification and verification requirements in sections 2.8 and 2.9;~~

~~(7) The retention and continuous disclosure requirements in section 2.10;~~

~~(8) The transitional provisions in section 2.12.~~

2.2 APPLICABLE INPUT METHODOLOGIES

2.2.1 Every **GTB** must apply the requirements set out in the following subparts of the **IM determination** as applicable, when complying with this determination-

(1) Subpart 1 of part 2, cost allocation;

(2) Subpart 2 of part 2, asset valuation;

(3) Subpart 3 of part 2, treatment of taxation;

(4) Subpart 5 of part 2, pricing methodologies.

2.3 FINANCIAL INFORMATION FOR THE DISCLOSURE YEAR

Annual disclosure relating to financial information for the disclosure year

| 2.3.1 ~~Subject to section 2.12, Ww~~ within 6 months after the end of each **disclosure year**, every **GTB** must disclose information relating to its financial position by-

- (1) Completing each of the following reports by inserting all information relating to the **gas transmission services** supplied by the **GTB** for that **disclosure year**-
 - (a) the Analytical Ratios set out in Schedule 1;
 - (b) the Report on Return on Investment set out in Schedule 2;
 - (c) the Report on Regulatory Profit set out in Schedule 3;
 - (d) the Report on Value of the Regulatory Asset Base (Rolled Forward) set out in Schedule 4;
 - (e) the Report on Regulatory Tax Allowance set out in Schedule 5a;
 - (f) the Report on Related Party Transactions set out in Schedule 5b;
 - (g) the Report on Term Credit Spread Differential Allowance set out in Schedule 5c;
 - (h) the Report on Cost Allocations set out in Schedule 5d;
 - (i) the Report on Asset Allocations set out in Schedule 5e;
 - (j) the Report on Capital Expenditure for the Disclosure Year set out in Schedule 6a;
 - (k) the Report on Operational Expenditure for the Disclosure Year set out in Schedule 6b;
 - (l) the Comparison of Forecasts to Actual Expenditure set out in Schedule 7; and
- (2) **Publicly disclosing** each of those reports.

~~2.3.2~~ ~~Subject to section 2.12, W~~ within 6 months and 5 working days after the end of each **disclosure year**, every **GTB** must disclose to the **Commission** information supporting the information disclosed in accordance with clause 2.3.1 by -

~~(1)~~ 2.3.2 ~~c~~ Completing each of the following reports by inserting all information relating to the information supplied by the **GTB** in Schedules 5d and 5e for that **disclosure year**-

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~~(a)~~(1) the Report Supporting Cost Allocations set out in Schedule 5f;

~~(b)~~(2) the Report Supporting Asset Allocations set out in Schedule 5g.

Alternative method for return on investment information

2.3.3 ~~Subject to section 2.12, i~~ in completing the Report on Return on Investment in Schedule 2-

~~(1)~~ Each **GTB** must disclose information in accordance with part 2(iii) of Schedule 2 if during the first three months or last three months of the **disclosure year** -

~~(a)~~(1) the value of **assets commissioned** by the **GTB** exceeds 10% of the **total opening RAB values**; ~~or~~

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~~(b)~~ ~~the notional net cash flows exceed 40% of the annual notional net cash flows;~~

(2) Otherwise a **GTB** may elect to disclose information in accordance with part 2(iii) of Schedule 2.

Tax rate applicable to MDL

2.3.4 In completing Schedule 5a and Schedule 14, **MDL** must use the statutory tax rate as the value for the corporate tax rate, and is not required to disclose the effect of any tax permanent differences or temporary differences.

Term credit spread differential allowance

2.3.5 **The Report on Term Credit Spread Differential Allowance in** Schedule 5c is only required to be completed by qualifying suppliers as qualifying suppliers is defined in the **IM determination**.

Allocation of assets and operating costs

2.3.6 In completing the Report on Cost Allocations in Schedule 5d and the Report on Asset Allocations in Schedule 5e every **GTB** must **publicly disclose**, for each **operational expenditure** category in Schedule 5d and each asset category in Schedule 5e that has **not directly attributable** costs ~~or assets~~

- (1) A description of the **not directly attributable** costs or assets;
- (2) The **allocation methodology types** used to allocate the **not directly attributable** costs or assets;
- (3) Where more than one allocation method is used, the percentage of **not directly attributable** costs or assets allocated using each method;
- (4) Where ABAA or OVABAA methodologies are used, whether the **allocators** are proxy asset allocators, proxy cost allocators or causal allocators, as ABAA, OVABAA, proxy assets allocator, proxy cost allocator and causal are defined in the **IM determination**; and
- (5) The **allocators** used and the rationale for using each **allocator**.

Related party transactions

2.3.7 For the purpose of clause 2.3.1, the cost of any service, good, or asset acquired from a **related party** must be-

- (1) For the cost of an **commissioned** asset or a component of a **commissioned** asset acquired from a **related party**, as determined in accordance with clauses 2.2.11(1)(e)-(g) of the **IM determination**;
- (2) For any service or good, which does not result from a routine transaction, one of the following-
 - (a) at the directly attributable cost incurred by the **related party** in accordance with the cost allocation process set out in clauses 2.1.1 of the **IM determination**, provided that the cost incurred by the **related party** in providing the service to the **GTB**-
 - (i) is fair and reasonable to the **GTB**; and
 - (ii) is substantially the same as the cost incurred by the **related party** in providing the same type of services to third parties;
or

- (b) for gas **contracting services** to maintain or develop the **network**, at the directly attributable cost incurred by the **related party**, determined in accordance with the cost allocation process set out in clause 2.1.1 of the **IM determination**, plus a **mark-up** which does not exceed 17.2%; or
- (c) the price paid by the **GTB**, where—
 - (i) at least 50% of the **related party's** sales of services and goods are to third parties, and third parties may purchase the same or similar services or goods from the **related party** on substantially the same terms and conditions, including price; or
 - (ii) that price is substantially the same as the price paid for the same or substantially similar services or goods (including any adjustments for inflation using CPI or an appropriate input price index) on substantially the same terms and conditions in the preceding 3 **disclosure years** from a party other than a **related party**; or
- (d) at the price paid by the **GTB**, where—
 - (i) the price paid for all services, goods, and assets acquired from that **related party** is less than 1% of the **GTB's** total revenue from the **regulated service** for that year; and
 - (ii) the total price paid for all **related party transactions** is less than 5% of the **GTB's** total revenue from the **regulated service**; or
- (e) at the price paid by the **GTB** to the **related party** following a competitive tender process, provided that—
 - (i) the price is no more than 5% higher than the price of the lowest conforming tender received;
 - (ii) all relevant information material to consideration of a proposal was provided to third parties, or made available upon request;
 - (iii) at least one other qualifying proposal was received;

- (iv) the final agreement for the provision of the services, goods, or assets by the **related party** does not include any **special contract terms**;
- (v) the **GTB** retains for a period of 7 years following the closing date of tender proposals a **record** of the tender and tender process, including request for information and/or proposal, the criteria used for the assessment of proposals, reasons for acceptance or rejection of proposals, and all proposals and requests for information on the tender for the purposes of making proposals; and
- (f) the price paid by the **GTB**, provided—
 - (i) the price cannot otherwise be determined under subclauses (a) to (e), and
 - (ii) no fewer than 2 **directors** of the **GTB** provide a written certification that they are satisfied that the price or prices paid for all services and, goods, determined in accordance with this paragraph reflect the price or prices that would be paid in an arm's-length transaction; or
- (g) nil.

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2.3.8 For the purpose of clause 2.3.1-~~above~~, the price received for any sale or supply of services, goods, or assets to a **related party**, which does not result from a routine transaction, must be one of the following-

- (1) If the **related party** is another **GTB**, an **EDB**, or **GDB** required to **publicly disclose** the price paid or cost incurred in accordance with another **Commission** determination, then the price received must be that disclosed by the **related party**; or
- (2) If the price received cannot be determined under subclause (1), then-
 - (a) at the price received from the **related party**, where the **GTB** makes at least 50% of its revenue from the provision of similar services to unrelated parties, and the price charged by the **GTB** to the **related party** is substantially the same as the price charged to third parties for similar services, goods, or assets on substantially the same terms and conditions; or

- (b) at the price received from the **related party**, provided that no fewer than 2 directors of the **GTB**'s provide a written certification that they are satisfied that the prices received for all services, goods, or assets provided to **related parties** reflect the price or prices that would be received in an arm's length transaction; or
- (c) at the cost incurred by the **GTB** in providing the service, good, or asset.

Information on capital expenditure projects

2.3.9 ~~Subject to section 2.12,~~ in completing the Report on Capital Expenditure for the Disclosure Year in Schedule 6a, ~~every~~ **GTBs** must disclose the following information in relation to **material projects and programmes**-

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- (1) Separately disclose **consumer connection** expenditure for each **consumer** type defined by the **GTB** in 6a(iii) of Schedule 6a;
- (2) For each material **asset relocation** project in Schedule 6a-
 - (a) separately disclose a brief description of the project and its value in 6a(v) of Schedule 6a;
 - (b) provide any additional commentary, including the purpose of the project and a description of the assets relocated **for each project** in Schedule 14 (Mandatory Explanatory Notes);
- (3) For each material **quality of supply** project in Schedule 6a-
 - (a) separately disclose a brief description of the project and its value in 6a(vi) of Schedule 6a;
 - (b) provide any additional commentary, including the purpose of the project and a description of the assets affected for each project in Schedule 14 (Mandatory Explanatory Notes);
- (4) For each material **legislative and regulatory** project in Schedule 6a-
 - (a) separately disclose a brief description of the **legislative and regulatory** requirement and the value of the project in 6a(vii) of Schedule 6a;
 - (b) provide any additional commentary, including the purpose of the projects and a description of the assets affected for each project in Schedule 14 (Mandatory Explanatory Notes);

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- (5) For each material **other reliability, safety and environment** project in Schedule 6a-
 - (a) separately disclose a brief description of the project and its value in 6a(viii) of Schedule 6a;
 - (b) provide any additional commentary, including the purpose of the project and a description of the assets affected for each project in Schedule 14 (Mandatory Explanatory Notes);
- (6) For each material **non-network ~~capex~~ assets** project in Schedule 6a-
 - (a) separately disclose a brief description of the project and its value in 6a(ix) of Schedule 6a;
 - (b) provide any additional commentary, including the purpose of the project and a description of the assets affected for each project in Schedule 14 (Mandatory Explanatory Notes).

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Information on physical service life potential

- 2.3.10 For all assets or groups of assets where the **GTB** has changed the asset(s)' depreciation profile or the asset(s) was **commissioned** during the **disclosure year**, and the asset(s)' life service potential was determined by an engineer in accordance with clause 2.2.8 of the **IM Determination**, within 6 months after the end of each **disclosure year**, the **GTB** must **publicly disclose** the report written by the engineer which was prepared in accordance with clause 2.2.8(3)(b) of the **IM Determination**.

2.4 PRICING AND RELATED INFORMATION

Disclosure of pricing methodologies

- 2.4.1 Every **GTB** must **publicly disclose**, before the start of each **pricing year**, a pricing methodology which-
- (1) Describes the methodology, in accordance with clause 2.4.3, used to calculate the **prices** payable or to be payable;
 - (2) Describes any changes in **prices** and **target revenues**;
 - (3) Explains, in accordance with clause 2.4.5, the approach taken with respect to pricing in **non-standard contracts**; and

- (4) Explains whether, and if so how, the **GTB** has sought the views of **consumers**, including their expectations in terms of **price** and quality, and reflected those views in calculating the **prices** payable or to be payable. If the **GTB** has not sought the views of **consumers**, the reasons for not doing so must be disclosed.

2.4.2 Any change in the pricing methodology or adoption of a different pricing methodology, must be **publicly disclosed** at least 20 working days before the **prices** determined in accordance with the change or the different pricing methodology take effect.

2.4.3 Every disclosure under clause 2.4.1 ~~of this section~~ must-

- (1) Include sufficient information and commentary for interested **persons** to understand how **prices** were set for **consumers**, including the assumptions and statistics used to determine **prices** for **consumers**;
- (2) Demonstrate the extent to which the pricing methodology is consistent with the **pricing principles** and explain the reasons for any inconsistency between the pricing methodology and the **pricing principles**;
- (3) State the **target revenue** expected to be collected for the current **pricing year** to which the pricing methodology applies;
- (4) Where applicable, identify the **key components of target revenue** required to cover the costs and return on investment associated with the **GTB's** provision of **gas transmission services**. Disclosure must include the numerical value of each of the components;
- (5) If **prices** have changed from **prices** disclosed for the immediately preceding **pricing year**, explain the reasons for changes, and quantify the difference for each of those reasons;
- (6) Where applicable, describe the method used by the **GTB** to allocate the **target revenue** among **consumers**, including the numerical values of the **target revenue** allocated to **consumers**, and the rationale for allocating it in this way;
- (7) State the proportion of **target revenue** (if applicable) that is collected through each **price component** as **publicly disclosed** under clause 2.4.18.

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| 2.4.4 Every disclosure under clause 2.4.1 ~~above~~ must, if the **GTB** has a **pricing strategy**-

- (1) Explain the **pricing strategy** for the next 5 **pricing years** (or as close to 5 years as the **pricing strategy** allows), including the current **pricing year** for which **prices** are set;
- (2) Explain how and why **prices for consumers** are expected to change as a result of the **pricing strategy**;
- (3) If the **pricing strategy** has changed from the preceding **pricing year**, identify the changes and explain the reasons for the changes.

| 2.4.5 Every disclosure under clause 2.4.1 ~~of this section~~ must-

- (1) Describe the approach to setting **prices for non-standard contracts**, including-
 - (a) the extent of **non-standard contract** use, including the value of **target revenue** expected to be collected from **consumers** subject to **non-standard contracts**;
 - (b) how the **GTB** determines whether to use a **non-standard contract**, including any criteria used;
 - (c) any specific criteria or methodology used for determining **prices for consumers** subject to **non-standard contracts**, and the extent to which these criteria or that methodology are consistent with the **pricing principles**;
- (2) Describe the **GTB's** obligations and responsibilities (if any) to **consumers** subject to **non-standard contracts** in the event that the supply of **gas transmission services** to the **consumer** is interrupted. This description must explain-
 - (a) the extent of the differences in the relevant terms between **standard contracts** and **non-standard contracts**;
 - (b) any implications of this approach for determining **prices for consumers** subject to **non-standard contracts**.

Disclosure of capital contributions

2.4.6 Every **GTB** must at all times **publicly disclose**-

- (1) A description of its current policy or methodology for determining **capital contributions**, including-
 - (a) the circumstances (or how to determine the circumstances) under which the **GTB** may require a **capital contribution**;
 - (b) how the amount payable of any **capital contribution** is determined. Disclosure must include a description of how the costs of any assets (if applicable), including any **shared assets** and any **sole use assets** that are included in the amount of the **capital contribution**, are calculated;
 - (c) the extent to which any policy or methodology applied is consistent with the relevant **pricing principles**;
- (2) A statement of whether a **consumer** or any other **person** can use an independent contractor to undertake some or all of the work covered by the **capital contribution** sought by the **GTB**;
- (3) If the **GTB** has a standard schedule of **capital contributions** charges, the current version of that standard schedule.

2.4.7 When a **consumer** or other **person** from whom a **GTB** seeks a **capital contribution** queries the **capital contribution** charge, (and when the charge is not covered in the schedule of standard **capital contribution** charges, or no such schedule exists) a **GTB** must, within 10 working days of receiving the request, provide reasonable explanation to any reasonable query from that **consumer** or other **person** of the components of that charge and how these were determined.

2.4.8 The requirements in clauses 2.4.6 and 2.4.7 apply if-

- (1) the **GTB** determines the amount of **capital contributions**; or
- (2) the **GTB** has or can obtain information about the policy or methodology used by another **person** to determine **capital contributions** where the **GTB** receives those **capital contributions**.

Disclosure of prescribed terms and conditions of contracts

2.4.9 Every **GTB** must, not later than 20 working days after entering into a **prescribed contract** that is a **standard contract**, **publicly disclose** the **prescribed terms and conditions** of the **prescribed contract**.

2.4.10 Subject to section 53C(4) of the **Act**, if any **prescribed terms and conditions** of a **prescribed contract** which is also a **standard contract** (including a **prescribed contract** that was entered into before ~~the commencement date~~**the date on which this determination comes into force**) are modified, the **GTB** must, not later than 20 working days after those modifications take effect, **publicly disclose**-

- (1) The **prescribed contract** concerned;
- (2) The modifications made to the **prescribed terms and conditions**.

2.4.11 For the purposes of this section, **public disclosure** by a **GTB** of the **prescribed terms and conditions** of a **standard contract** is to be regarded as **public disclosure** by that **GTB** in relation to all of its **standard contracts** with the same **prescribed terms and conditions**.

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2.4.12 Subject to section 53C(4) of the **Act** every **GTB** must, in respect of all **prescribed contracts** that are **non-standard contracts** entered into during the **disclosure year**, no earlier than 6 months after the end of that **disclosure year**, either **publicly disclose**-

- (1) A description of the goods or services to be supplied under the **contract** and the quantity or amount of those goods or services to be supplied under the **prescribed contract**; or
- (2) The **prescribed terms and conditions** of each **prescribed contract** with the exception of **prescribed terms and conditions** that specify, determine, or provide for the determination of the **price** at which goods or services are to be supplied.

2.4.13 For any **contract** for which information is **publicly disclosed** under clause 2.4.12, unless **prescribed terms and conditions** have been **publicly disclosed** under subclause 2.4.12(2), every **GTB** must, within 20 working days of a request by any **person**, provide to that **person** and **publicly disclose** the **prescribed terms and conditions** of the **prescribed contract**, with the exception of **prescribed terms and conditions** that specify, determine, or provide for the determination of the **price** at which goods or services are to be supplied.

2.4.14 Clauses 2.4.15 and 2.4.16 apply to **prescribed contracts**-

- (1) For which information was disclosed in any previous **disclosure year** under clause 2.4.12 or clause 2.4.13; or
- (2) Which were entered into before ~~the commencement date~~the date on which this determination came into force.

2.4.15 Subject to section 53C(4) of the **Act**, if any **prescribed terms and conditions** of a **prescribed contract** described under clause 2.4.14 are modified, every **GTB** must **publicly disclose**, no earlier than 6 months after the end of the **disclosure year** in which the **prescribed contract** was ~~modified~~entered into-

- (1) The existence of the **prescribed contract** described in clause 2.4.14 ~~above~~ that has been modified; ~~or~~and
- (2) The fact of its modification.

2.4.16 Within 20 working days of a request by any **person**, the **GTB** must provide to the **person** and **publicly disclose** the **prescribed terms and conditions** of the **prescribed contract** described in clause 2.4.15 ~~above~~, with the exception of **prescribed terms and conditions** that specify, determine or provide for the determination of the **price** at which goods and services are to be supplied.

2.4.17 Every **GTB** must, when **publicly disclosing** or disclosing on request to any **person** (as the case may be) the **prescribed terms and conditions** of a **non-standard contract** under any of clauses 2.4.12, 2.4.13, or 2.4.16 ~~of this section~~, include the following information-

- (1) The maximum monthly amount of gas (in gigajoules) to be conveyed to the **consumer** under the **contract**, or (if the amount is not quantified in the **contract**) a reasonable estimate of that amount based on the duration of the **contract**;

- (2) The month in which the supply of the maximum monthly amount of gas referred to in subclause 2.4.17(1) of this section is to occur, or is most likely to occur;
- (3) The pressure or pressures at which the gas is to be supplied or conveyed under that **contract**, or (if the pressure is not specified in the **contract**) a reasonable estimate of that pressure.

Disclosure of prices

2.4.18 Every **GTB** must at all times **publicly disclose**-

- (1) Each current **price** expressed in a manner that enables individual **consumers** to determine the total **price for gas transmission services** which is applicable to them;
- (2) The number (or estimated number) of **consumers** which must pay each **price**;
- (3) The date at which each **price** was or will be first introduced;
- (4) The **prices** represented by each **price component** applicable to them; and
- (5) The **price** that was payable immediately before each current **price** (if any) expressed in the manner referred to in subclause (1) ~~above~~.

2.4.19 Every **GTB** must, at least 20 working days before changing or withdrawing a **price** or introducing a new **price**-

- (1) **Publicly disclose**-
 - (a) the information specified in clause 2.4.18 ~~of this section~~ in respect of that **price**;
 - (b) an explanation of the reasons for the new **price** or the changed or withdrawn **price**; and
- (2) In addition, either-
 - (a) give written notice to each consumer by whom that price is, or in the case of a withdrawn price would have been, payable, including the information specified in clause 2.4.18 ~~above~~ in respect of that price; or
 - (b) notify in the news section of either-
 - (i) 2 separate editions of each newspaper; or

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- (ii) news media accessible using the internet that is widely read by **consumers** connected to the **GTB's** network, details of the **price**, including-
- (iii) the changed price alongside the immediately preceding price applicable; and
- (iv) contact details where further details of the new or changed price can be found including the URL of the **GTB's** publicly accessible website.

Annual disclosure of information on quantities and revenues billed

- 2.4.20 Within 6 months ~~after~~ the end of each **disclosure year**, every **GTB** must **publicly disclose** the information specified in Schedule 8.

2.5 NON-FINANCIAL INFORMATION RELATING TO NETWORK ASSETS

Annual disclosure of information on network assets and reliability

- 2.5.1 Within 6 months after the end of each **disclosure year**, every **GTB** must—

- (1) Complete each of the following reports by inserting all information relating to the **gas transmission services** supplied by the **GTB** for the **disclosure years** provided for in the following reports-
 - (a) the Asset Register set out in Schedule 9a;
 - (b) the Asset Age Profile set out in Schedule 9b;
 - (c) the Report on Pipeline Data set out in Schedule 9c;
 - (d) the Report on Demand set out in Schedule 9d;
 - (e) the Report on Network Reliability and Interruptions set out in Schedule 10a
 - (f) the Report on Network Integrity in Schedule 10b; and

~~(g)~~(2) **publicly disclose each of** these reports.

Disclosure of information on peak flows, gas transmission capacity, and capacity reservations

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2.5.2 Peak flow information-

(1) Subject to subclause 2.5.2(4) ~~below~~, by the end of November in each year, every **GTB** must **publicly disclose** in respect of the most recent 12 month period ended 30 September-

(a) for each **transmission system**, the information specified in subclause 2.5.2(2) ~~below~~;

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(b) for each **offtake point** with a throughput of gas during the **system peak** flow period of 2,000 GJ or more, the information specified in subclause 2.5.2(3) ~~below~~;

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(2) The information referred to in subclause ~~(1)(a)~~ 2.5.3(1)(a) ~~above~~ is-

(a) the end date and duration of the **system peak** flow period;

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(b) the total throughput of gas (in GJ) at each **intake point** during the **system peak** flow period;

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(3) The information referred to in subclause 2.5.2(1)(b) ~~above~~ is-

(a) the end date and duration of the **offtake peak** flow period;

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(b) the throughput of gas (in GJ) at the **offtake point** in each hour of the **system peak** flow period;

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(c) the total throughput of gas (in GJ) at the **offtake point** during the **system peak** flow period;

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(d) the total throughput of gas (in GJ) at the **offtake point** during the **offtake peak** flow period;

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(4) Notwithstanding subclause 2.5.2(1) ~~above~~, **public disclosure** is deemed to have occurred if the information specified in subclauses 2.5.2(2) and 2.5.2(3) is posted on a website normally used for the publication of the **GTB's** transmission data within one week after the end of the **disclosure year** and can be readily accessed at no charge by interested **persons**, with the information retained on such a website for a period of not less than five years.

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2.5.3 Capacity allocation methodology-

(1) Within 6 months after the end of each **disclosure year**, every **GTB** must **publicly disclose** a description of the extent to which current capacity

allocation methodologies result in efficient outcomes. The disclosure must include a description of-

- (a) the methodology or methodologies used to determine how capacity is assigned;
 - (b) which, if any, requests for capacity was approved in full or in part during the **disclosure year**, including how, if at all, the quantity of uncommitted capacity in the pipeline was determined;
 - (c) the extent of unmet demand for capacity during the past **disclosure year**, including the information specified in subclause 2.5.3(2)-~~below~~.
- (2) The information referred to in subclause 2.5.3(1)(c) ~~above~~ is as follows-
- (a) total number of requests for firm capacity that the **GTB** has not approved in full in the past **disclosure year**;
 - (b) maximum daily quantities associated with the requests referred to in subclause 2.5.3(2)(a) ~~above~~, aggregated by **offtake point**; Formatted: Font: Bold
 - (c) in respect of each request for firm capacity not approved in full, the reasons for the request not being fulfilled.

2.5.4 Transmission System Capacity Reservations-

- (1) Within 6 months after the end of each **disclosure year**, in respect of the firm capacity held or reserved by-
- (a) the **GTB**, including any **person** involved in the **GTB**; and Formatted: Font: Bold
 - (b) all other **persons** collectively; Formatted: Font: Bold
 - (c) every **GTB** must **publicly disclose** the information specified in subclause 2.5.4(2) ~~below~~ concerning the capacity reservations that applied to the **offtake points** specified in subclause 2.5.4(3) on the days specified in subclause 2.5.4(4) ~~below~~; Formatted: Font: Bold
- (2) The information referred to in subclause 2.5.4(1)(c) ~~above~~ is as follows-
- (a) the effective maximum daily quantity (in GJ) applicable to the aggregate amount of firm capacity;
 - (b) the effective maximum hourly quantity (in GJ) applicable to the aggregate amount of firm capacity;

- (c) the nominal delivery pressure where such pressure is greater than 20 bar gauge;
- (3) The **offtake points** referred to in ~~sub~~clause 2.5.4(1) ~~above~~ are the **offtake points**-
 - (a) with a throughput of gas in the **system peak** flow period of 2,000 GJ or more; or
 - (b) a contractual firm maximum daily quantity in the **system peak** flow period of 10,000 GJ or more, irrespective of the throughput; or
 - (c) with a nominal delivery pressure greater than 20 bar gauge in the **system peak** flow period;
 - (d) with all other **offtake points** taken together as a group;
- (4) The days referred to in ~~sub~~clause 2.5.4(1) ~~above~~ are-
 - (a) the last day of the preceding **pricing disclosure year**;
 - (b) the first day of the new **pricing disclosure year**;
 - (c) the first day in the **system peak** flow period.

2.6 ASSET MANAGEMENT PLANS AND FORECAST INFORMATION

2.6.1 Subject to ~~sub~~clauses 2.6.3 ~~of this section and 2.13.7~~, before the start of each **disclosure year** commencing with, for **Vector** the **disclosure year** 2014, and for **MDL** the **disclosure year** 2015, every **GTB** must

- ~~2.6.1(1)~~ ~~C~~complete ~~and publicly disclose~~ an **AMP** that—
- ~~(1)(a)~~ ~~r~~Relates to the **gas transmission services** supplied by the **GTB**;
 - ~~(a)(b)~~ ~~m~~Meets the purposes of **AMP** disclosure set out in clause 2.6.2;
 - ~~(2)(c)~~ ~~h~~Has been prepared in accordance with Attachment A to this determination;
 - ~~(a)(d)~~ ~~c~~Contains the **information set out in the schedules described**~~completed tables required~~ in clause ~~2.6.2-6.5(2)~~;
 - ~~(e)~~ ~~c~~Contains the Report on Asset Management Maturity **as described in** ~~set out in~~ Schedule 13;

(2) Complete the Report on Asset Management Maturity in accordance with the requirements specified in Schedule 13; and

(3) Publicly disclose the AMP.

2.6.2 The purposes of **AMP** disclosure referred to in subclause ~~2.6.1(1)(b)~~**2.6.1(2)** are that the **AMP**—

(1) Must provide sufficient information for ~~an~~-interested **persons** to assess whether-

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(a) assets are being managed for the long term;

(b) the required level of performance is being delivered; and

(c) costs are efficient and performance efficiencies are being achieved;

(2) Must be capable of being understood by ~~an~~-interested **persons** with a reasonable understanding of the management of infrastructure assets;

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(3) Should provide a sound basis for the ongoing assessment of asset-related risks, particularly high impact asset-related risks.

~~2.6.3~~ Subject to clauses 2.6.4 and 2.13.7, a **GTB** may elect to complete and **publicly disclose an AMP update**, as described in clause 2.6.5, before the start of a **disclosure year**, instead of an **AMP**, as described in clause 2.6.1(1), unless ~~if~~—

~~(1)~~2.6.3 The start of the **disclosure year** described in clause 2.6.1 above is **not**—

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~~(a)~~(1) between 6 (inclusive) and 18 months after the start of the **DPP regulatory period**; or

~~(b)~~(2) between 18 (inclusive) and 30 months before the start of the next **DPP regulatory period**; ~~and~~

~~(2) The GTB has publicly disclosed an AMP under clause 2.6.1 above in respect of a prior disclosure year, then the GTB may—~~

~~(3) Elect to not comply with clause 2.6.1 in the current disclosure year; and~~

2.6.4 ~~GTB must not complete and publicly disclose an AMP update instead of an AMP if it has not previously publicly disclosed an AMP before the start of the disclosure year, an AMP update under clause 2.6.1-2.6.4 below.~~

2.6.5 For the purpose of ~~sub~~clause ~~2.6.3-2.6.3(4)~~, the AMP update must—

- (1) Relate to the **gas transmission services** supplied by the **GTB**;
- (2) Identify any material changes to the **network** development plans disclosed in the last **AMP** under clause 14 of Attachment A or in the last **AMP update** disclosed under this clause ~~section~~;
- (3) Identify any material changes to the lifecycle asset management (maintenance and renewal) plans disclosed in the last **AMP** pursuant to ~~under~~ clause 15 of Attachment A or in the last **AMP update** disclosed under this clause ~~section~~;
- (4) Provide the reasons for any material changes to the previous disclosures in the Report on Forecast Capital Expenditure set out in Schedule 11a and ~~R~~Report on Forecast Operational Expenditure set out in Schedule 11b;
- (5) Provide an assessment of transmission capacity as set out in clause ~~8~~**10** of Attachment A;
- (6) Identify any material changes related to the legislative requirements as set out in ~~sub~~clause 3.6 of Attachment A; ~~and~~
- (7) Identify any changes to the asset management practices of the **GTB** that would affect a Schedule 13 Report on Asset Management Maturity disclosure; and.

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~~(7)~~(8) Contain the information set out in the schedules described in clause 2.6.6.

~~2.6.6~~ Every **GTB** must—

~~2.6.7~~2.6.6 Subject to clause 2.13.1, ~~B~~before the start of each **disclosure year**, each **GTB** must complete and **publicly disclose** each of the following reports by inserting all information relating to the **gas transmission services** supplied by the **GTB** for the **disclosure years** provided for in the following reports—

~~(a)~~(1) the Report on Forecast Capital Expenditure in Schedule 11a;

~~(b)~~(2) the Report on Forecast Operational Expenditure in Schedule 11b;

~~(c)~~(3) the Report on Asset Condition in Schedule 12a;

~~(d)~~(4) the Report on Forecast Demand in Schedule 12b.;

~~(2)~~ Include, in the **AMP** or **AMP update** as applicable, the information contained in each of the reports described in subclause 2.6.5(1);

~~(3)~~ Within 5 working days after **publicly disclosing** the **AMP** or **AMP update** as applicable, disclose these reports described in subclause 2.6.5(1) to the **Commission**;

~~(4)~~ Within 6 months after the start of the **disclosure year**, **publicly disclose** these reports.

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2.7 EXPLANATORY NOTES TO ~~DISCLOSED INFORMATION~~INFORMATION RELATING TO THE DISCLOSURE YEAR

2.7.1 Within 6 months ~~after~~of the end of each **disclosure year**, every **GTB** must complete and **publicly disclose** the Schedule of Mandatory Explanatory Notes (Schedule 14) by inserting all information relating to information disclosed in accordance with clauses 2.3.1, 2.4.20, ~~and subclause 2.5.1(1)(e)~~2.5.4.

(1) In relation to details of any insurance cover for the assets used to provide **gas transmission services**, the explanatory notes in Schedule 14 must include-

(a) the **GTB's** approaches and practices in regard to the insurance of assets, including the level of insurance;

(b) in respect of any self insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

- (2) Where an item disclosed in accordance with clause 2.3.1 is classified differently from the previous year, the explanatory notes in Schedule 14 must include the-
- (a) nature of the item reclassified;
 - (b) value of the item in the current **disclosure year** and in the previous **disclosure year**;
 - (c) classification of the item in the previous **disclosure year**;
 - (d) classification of the item in the current **disclosure year**; and
 - (e) reason why the item has been reclassified.

2.7.2 ~~Subject to clause 2.13.4, Bbefore the start~~~~Within 6 months of the end~~ of each **disclosure year**, every **GTB** must complete and **publicly disclose** the Mandatory Explanatory Notes on Forecast Information in Schedule 14a by inserting all relevant information relating to information disclosed in accordance with clause ~~2.6.5~~2.6.6.

2.7.3 Within 6 months ~~after~~ the end of each **disclosure year**, every **GTB** may **publicly disclose** any further ~~explanatory~~ comments on the information disclosed in accordance with clauses 2.3.1, 2.4.20, 2.5.1 ~~and~~, 2.5.2 ~~and 2.6.5~~, in Schedule 15.

2.8 ASSURANCE REPORTS

2.8.1 Where a **GTB** is required to **publicly disclose** any **audited disclosure information**, the **GTB** must-

(1) Procure an assurance report by an **independent auditor** in respect of that **audited disclosure information**, that is prepared in accordance with Standard on Assurance Engagements 3100 – Compliance Engagements (SAE 3100) and International Standard on Assurance Engagements 3000 (ISAE (NZ) 3000) or their successor standards, signed by the **independent auditor** (either in his or her own name or that of his or her firm), that-

(a) is addressed to the **directors** of the **GTB** and to the **Commission** as the intended users of the assurance report;

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(b) states-

(i) that it has been prepared in accordance with Standard on Assurance Engagements 3100 – Compliance Engagements (SAE 3100) and International Standard on Assurance Engagements 3000 (ISAE (NZ) 3000) or their successor standards; and

(ii) the work done by the **independent auditor**; and

(iii) the scope and limitations of the assurance engagement; and

(iv) the existence of any relationship (other than that of auditor) which the **independent auditor** has with, or any interests which the **independent auditor** has in, the **GTB** or any of its subsidiaries; and

(v) whether the **independent auditor** has obtained sufficient recorded evidence and explanations that he or she required and, if not, the information and explanations not obtained; and

(vi) whether, in the **independent auditor**'s opinion, as far as appears from an examination, the information used in the preparation of the **audited disclosure information** has been properly extracted from the **GTB**'s accounting and other

records, sourced from its financial and non-financial systems;
and

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(vii) whether, in the **independent auditor's** opinion, as far as appears from an examination of them, proper **records** to enable the complete and accurate compilation of the **audited disclosure information** required by the Gas Transmission Information Disclosure Determination 2012 have been kept by the **GTB** and, if not, the **records** not so kept; and

(c) states whether (and, if not, the respects in which it has not), in the **independent auditor's** opinion, the **GTB** has complied, in all material respects, with the Gas Transmission Information Disclosure Determination 2012 in preparing the **audited disclosure information**; and

(2) **Publicly disclose** the **independent auditor's** assurance report prepared in accordance with subclause 2.8.1(1) ~~above~~ at the same time as the **GTB** **publicly discloses** the **audited disclosure information**.

2.8.2 Subject to clause 2.8.3, where a **GTB** **publicly discloses** information under clause 2.12.1 or 2.12.2 and the **GTB** was required to procure an assurance report under clause 2.8.1 for the **original disclosure**, the **GTB** must procure an assurance report to the information disclosed under clause 2.12.1 or 2.12.2 to the standard of the assurance report procured for the **original disclosure**.

~~2.8.2~~2.8.3 In applying clause 2.8.2, the assurance required for **indirectly affected data and statements** disclosures is whether the disclosed **error** has been corrected and subsequently correctly reflected in the revised **indirectly affected data and statements**.

2.9 CERTIFICATES

- 2.9.1 ~~Subject to clause 2.13.3, where a GTB is required to publicly disclose any information under any of clauses 2.6.1, subclauses 2.6.3-2.6.3(4), and 2.6.5(2)2.6.6 and 2.7.2-2.7.2(1)(b), and subclause 2.13.7(1)(b)2.13.1(1)(b), the GTB must at that time publicly disclose a certificate in the form set out in Schedule 17 in respect of that information, duly signed by 2 directors of the GTB.~~
- 2.9.2 Where a GTB is required to publicly disclose any information under clause 2.4.1, the GTB must at that time publicly disclose a certificate in the form set out in Schedule 18 in respect of that information, duly signed by 2 directors of the GTB.
- 2.9.3 Where a GTB is required to publicly disclose, or disclose to the Commission, any information under any of clauses 2.3.1, 2.3.2, 2.4.20, 2.5.1, and 2.7.1, ~~and 2.7.2~~ the GTB must at that time publicly disclose a certificate in the form set out in Schedule 19 in respect of that information, duly signed by 2 directors of the GTB.
- 2.9.4 Subject to clause 2.9.5, where a GTB publicly discloses information under clause 2.12.1 or 2.12.2, the GTB must publicly disclose a certificate under clause 2.12.1 or 2.12.2 to the standard of the certificate disclosed with the original disclosure.
- ~~2.9.3~~2.9.5 In applying clause 2.9.4, the certification required for indirectly affected data and statements disclosures is whether the disclosed error has been corrected and subsequently correctly reflected in the revised indirectly affected data and statements.
- ~~2.9.4~~ Where a GTB is required to publicly disclose any information under clause 2.12.1, 2.12.2, 2.12.5, 2.12.6, 2.12.8, and 2.12.10 the GTB must at that time publicly disclose a certificate in the form set out in Schedule 20 in respect of that information, duly signed by 2 directors of the GTB.

2.10 RETENTION AND CONTINUING DISCLOSURES

2.10.1 A **GTB** that is required by this determination to **publicly disclose** any information must retain, and continuously **publicly disclose**, that information for at least seven years from the date that information is first required to be **publicly disclosed**.

2.11 EXEMPTIONS

2.11.1 The **Commission** may at any time, by written notice to a **GTB**-

(1) Exempt the **GTB** from any or all of the requirements of this determination, for a period and on such terms and conditions as the **Commission** specifies in the notice; and

(2) Amend or revoke any such exemption.

2.12 DISCLOSURE OF ERRORS IN PREVIOUSLY DISCLOSED INFORMATION

2.12.1 Subject to clause 2.13.6, within 7 months of identifying a material **error**, a **GTB** must-

(1) **publicly disclose**-

(a) a description of the **error** including the quantum of the **error** and a summary of the disclosures, data and statements affected by the **error**;

(b) the reason for the **error**;

(c) the data and statements from the **original disclosure** affected by the **error**;

(d) in a manner which is consistent with the **October 2012 determination** including any amendments in effect at the time of the **original disclosure**, materially correct revised data or statements affected by the **error**;

(e) a certificate in accordance with clause 2.9.4; and

(f) where applicable, an assurance report in accordance with clause 2.8.2.

(2) disclose the information outlined in subclause (1) when **publicly disclosing** the **original disclosure** in accordance with clause 2.10.1.

2.12.2 Subject to clause 2.13.6, if a **GTB** identifies a non-material **error**, a **GTB** may, within 7 months of identifying the non-material **error**, **publicly disclose** it in accordance with clause 2.12.1.

2.12.3 Information disclosed in accordance with this determination that refers to or relies on information contained in a previous disclosure must be consistent with the previous disclosure, unless an **error** disclosure related to that information has been made in accordance with clause 2.12.1 or 2.12.2.

2.12.4 Information disclosed after an **error** disclosure is made in accordance with clause 2.12.1 or 2.12.2 must be consistent with the **error** disclosure made in accordance with clause 2.12.1 or 2.12.2.

2.12.13 **TRANSITIONAL PROVISIONS**

2.13.1 For the **disclosure year 2016**, in complying with the requirements set out in clause 2.6.6, **Vector** must comply with either the requirements specified in subclauses 2.6.5(1) and 2.6.5(3) of the **October 2012 determination** (in the form of the reports set out therein), or the requirements set out in clause 2.6.6 of this determination.

(1) If **Vector** elects to complete the reports specified in clause 2.6.5(1) of the **October 2012 determination**, when completing these reports, **Vector** must use the definitions from clause 1.4.3 and Schedule 16 of the **October 2012 determination**.

2.13.2 Before the start of **disclosure year 2016** or within six months of the start of **disclosure year 2016**, if **Vector** elects to complete the reports specified in subclause 2.6.5(1) of the **October 2012 determination**, **Vector** must **publicly disclose** the completed reports.

2.13.3 For the **disclosure year 2016**, in complying with the requirements set out in clause 2.9.1, **Vector** must comply with either the requirements specified in clause 2.9.1 of the **October 2012 determination** (in the form of the certificate set out therein), or the requirements set out in clause 2.9.1 of this determination.

2.13.4 For the **disclosure year 2016**, in complying with the requirements set out in clause 2.7.2, **Vector** must complete and **publicly disclose** the explanatory notes either before the start of **disclosure year 2016**, or within six months of the start of **disclosure year 2016**.

(1) If **Vector** elects to complete the explanatory notes before the start of **disclosure year 2016**, **Vector** must complete and **publicly disclose** either the explanatory notes specified in Schedule 14a of the **October 2012 determination** or the explanatory notes specified in Schedule 14a of this determination.

2.13.5 For the **disclosure year 2015** and **disclosure year 2016**, in completing the Report on Return on Investment set out in Schedule 2, every **GTB** must calculate the following **CY-1** and **CY-2** disclosures in accordance with this determination-

(1) ROI – comparable to a post tax WACC reflecting all revenue earned;

(2) ROI – comparable to a post tax WACC excluding revenue earned from financial incentives;

(3) ROI – comparable to a post tax WACC excluding revenue earned from financial incentives and wash-ups;

(4) ROI – comparable to a vanilla WACC reflecting all revenue earned;

(5) ROI – comparable to a vanilla WACC excluding revenue earned from financial incentives; and

(6) ROI – comparable to a vanilla WACC excluding revenue earned from financial incentives and wash-ups.

2.13.6 In complying with clauses 2.12.1 and 2.12.2 before 1 September 2015, **GTBs** must **publicly disclose** the information described in clause 2.12.1 either before 1

September 2015 or within 7 months of identifying the material or non-material error.

Disclosure of transitional information by MDL

~~2.12.1—Subject to clause 2.12.8 below, within 6 months after the end of the **disclosure year** 2013, **MDL** must-~~

- ~~(1)—Complete the Report on Transitional Financial Information set out in Schedule 5h;~~
- ~~(2)—Complete the Report on Asset Allocations set out in Schedule 5e for the **disclosure years** 2010, 2011, and 2012 by inserting all information relating to the asset allocation for the **total opening RAB values** disclosed in Schedule 5h for those **disclosure years**. In completing part 5e(i) of Schedule 5e for the **disclosure years** 2010, 2011, and 2012 all allocations may be disclosed under **non-network assets**;~~
- ~~(3)—Provide explanatory comment in Schedule 14b in relation to transitional financial information disclosed under this clause; and~~
- ~~(4)—**Publicly disclose** those reports.~~

~~2.12.2—Within 2 months after the end of **disclosure year** 2013, **MDL** must prepare a pipeline capacity disclosure report for the year ending 31 December 2012 that includes the following-~~

- ~~(1)—Subject to clause 2.12.3, the peak flow information set out in clause 2.5.2;~~
- ~~(2)—Subject to clause 2.12.4, the transmission system capacity information set out in clause 8 of Attachment A.~~

~~2.12.3—Notwithstanding subclause 2.5.2(1), the information required under subclause 2.12.2(1) must be prepared in respect of the 12 months ended 31 December 2012.~~

~~2.12.4—Notwithstanding subclause 10.2.1 of Attachment A, the information required under subclause 2.12.2(1) must be prepared in respect of the same system peak flow period as 2.12.2(2).~~

Disclosure of transitional information by Vector

~~2.12.5—Within 6 months after the end of the **disclosure year** 2013, **Vector** must-~~

- ~~(1)—Complete the Report on Transitional Financial Information set out in Schedule 5h;~~
- ~~(2)—Complete the Report on Asset Allocations set out in Schedule 5e for the 2010, 2011 and 2012 **disclosure years** by inserting all information relating to the asset allocation for the **total opening RAB values** disclosed in Schedule 5h for those **disclosure years**.~~

In completing part 5e(i) of Schedule 5(e) for the 2010, 2011 and 2012 disclosure years all allocations may be disclosed under ~~non-network assets~~;

- (3) ~~Complete the Report on Regulatory Profit in Schedule 3 for the disclosure year 2012. In complying with this subclause and clause 2.12.6 Vector must determine the cost of any service, good or asset acquired from, or price of any service, good or asset sold to a related party as follows—~~
- (a) ~~the cost of any asset acquired from a related party must be determined in accordance with clause 2.2.11(1)(e)-(g) of the IM determination;~~
- (b) ~~the cost of any services or goods other than assets, acquired from a related party must be determined in accordance with GAAP;~~
- (c) ~~the price received for any sale or supply of services, goods or assets to a related party must be determined in accordance with GAAP;~~
- (4) ~~Complete the Report on Related Party Transactions set out in Schedule 5b with respect to assets acquired from a related party;~~
- (5) ~~Provide explanatory comment in Schedule 14b in relation to transitional financial information disclosed under this clause; and~~
- (6) ~~Publicly disclose those reports.~~

~~2.12.6 Within 6 months after the end of the disclosure year 2013, Vector must complete and publicly disclose Schedule 8 for the disclosure year 2012.~~

~~*Annual transmission pipeline capacity disclosure not required for 12 months to 30 September 2012*~~

~~2.12.7 Subject to 2.12.2, GTBs are not required to make a disclosure under clause 2.5.2 by the end of November 2012.~~

~~*Information on initial RAB value and asset adjustment process*~~

~~2.12.8 Subject to clause 2.12.9, where a GTB has previously elected to undertake an adjustment in accordance with clause 2.2.1 of the IM Determination, within 6 months after the end of the disclosure year 2013 the GTB must publicly disclose the asset adjustment schedule and engineer's report that had previously been disclosed to the Commission under the relevant Notice to Supply Information to the Commission issued under section 53ZD of the Act.~~

~~2.12.9 Where a GTB has disclosed information to the Commission on the initial RAB and asset adjustment process as provided for under clauses 2.2.1 to 2.2.3 of the IM~~

~~Determination, the information disclosed in accordance with clauses 2.12.1 and 2.12.5 must be consistent with that disclosure.~~

Initial disclosures of historic information

~~2.12.10 The following transitional provisions apply in respect of the disclosure year 2013-~~

- ~~(1) In completing the Report on Return on Investment set out in Schedule 2-~~
 - ~~(a) MDL is not required to disclose information relating to CY-1 and CY-2;~~
 - ~~(b) subject to clause 2.12.5(3) Vector must disclose information in 2(i) of the Report on Return on Investment set out in Schedule 2 relating to CY-1, for the disclosure year 2012. Vector is not required to disclose information relating to CY-2;~~
- ~~(2) In completing the Report on the Value of the Regulatory Asset Base (Rolled Forward) set out in Schedule 4-~~
 - ~~(a) GTBs are not required to provide information relating to CY-4, in part 4(i) of Schedule 4;~~
 - ~~(b) GTBs may disclose only 'Total closing RAB value' for each asset category;~~
- ~~(3) In completing the Report on Cost Allocations set out in Schedule 5d and the Report Supporting Cost Allocations set out in Schedule 5f, GTBs may disclose all allocations under network support;~~
- ~~(4) In completing the Report on Asset Allocations set out in Schedule 5e and the Report Supporting Asset Allocations set out in Schedule 5g, GTBs may disclose all allocations under non-network assets;~~
- ~~(5) In completing the Report on Capital Expenditure for the Disclosure Year set out in Schedule 6a, GTBs may choose to complete only part 6a(i);~~
- ~~(6) In completing the Comparison of Forecasts to Actual Expenditure set out in Schedule 7, GTBs may disclose aggregate forecast information for 'Capital expenditure' and 'Operational expenditure' only;~~
- ~~(7) The information in the Report on Capital Expenditure for the Disclosure Year set out in Schedule 6a, the Report on Operational Expenditure for the Disclosure Year set out in Schedule 6b, and the Comparison of Forecasts to Actual Expenditure set out in Schedule 7 will be excluded from the audited disclosure information for the disclosure year 2013;~~

- ~~(8) In disclosing the Asset Register set out in Schedule 9a, if information on opening values is not available, GTBs may provide only closing values for the disclosure year 2013;~~
- ~~(9) MDL is not required to disclose information after the end of the disclosure year 2013 that it would otherwise be required to disclose under clause 2.6.5(4) of this determination;~~
- ~~(10) In disclosure year 2014 MDL is not required to disclose information in 2(i) of the report on Return on Investment set out in Schedule 2 relating to CY 2.~~

Initial AMP disclosure for Vector

~~2.12.11 Notwithstanding any requirements set out in clauses 2.6.1, and 2.6.5, Vector is not required to complete and publicly disclose an AMP until 3 months after the commencement of disclosure year 2014.~~

Transitional AMP requirements for MDL

~~2.12.12~~ 2.13.7 Notwithstanding any requirements set out in clauses 2.6.1, 2.6.2, 2.6.3, and 2.6.4 and 2.6.5, the following transitional provision applies to MDL in respect of each disclosure year before and during the first DPP regulatory period-

- (1) If MDL has not publicly disclosed an AMP under clause 2.6.1 then MDL may elect to-
 - (a) not comply with clauses 2.6.1, and 2.6.2 in the current disclosure year; and
 - (b) complete and publicly disclose before the start of the disclosure year a transitional AMP that meets the requirements of subclause ~~(2)~~ 2.12.12(2) below;
- (2) The transitional AMP must-
 - (a) relate to the **gas transmission services** supplied by the GTB;
 - (b) be identifiable as a **transitional AMP** prepared pursuant to clause ~~(2)~~ 2.12.12(2) of this determination;
 - (c) include the minimum requirements set out in subclause ~~(3)~~ 2.12.12(3);
 - (d) include the forecast information set out in clause ~~2.6.5~~ 2.6.6;

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- (e) provide an assessment of transmission capacity as set out in clause 8 of Attachment A;
 - (f) provide the information related to legislative requirements as set out in ~~sub~~clause 3.6 of Attachment A;
 - (g) include the Report on Asset Management Maturity set out in Schedule 13;
 - (h) identify where the **GTB** considers the **AMP** does not yet conform to the requirements in clause 2.6.1, and set out the actions the **GTB** is taking to ensure the **AMP** will conform before the end of the first **DPP regulatory period**;
 - (i) identify any actions the **GTB** has completed in order to conform to the requirements in clause 2.6.1;
- (3) The **transitional AMP** must include the following-
- (a) a summary that provides a brief overview of the contents and highlights information that the **GTB** considers significant;
 - (b) details of the background and objectives of the **GTB's** asset management and planning processes;
 - (c) details of the **AMP planning period**, which must cover at least a projected period of 10 years commencing with the **disclosure year** following the date on which the **AMP** is required to be disclosed;
 - (d) the date that it was approved by the **directors**;
 - (e) a description of stakeholder interests, as set out in ~~sub~~clause 3.7 of Attachment A;
 - (f) a description of the accountabilities and responsibilities for asset management, as set out in ~~sub~~clause 3.8 of Attachment A;
 - (g) an overview of asset management strategy and delivery;
 - (h) an overview of systems and information management data;
 - (i) an overview of asset management documentation, controls and review processes;
 - (j) details of the assets covered;

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- (k) a clear identification or definition of a set of asset management performance indicators;
- (l) a description of **network** development plans and lifecycle management processes, covering material projects and programmes across the planning period;
- (m) details of risk policies, assessment and mitigation.

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Transitional provisions for pricing information

~~2.12.13~~ The information required under—

(1) ~~clauses 2.4.1 to 2.4.5;~~

(2) ~~clause 2.4.6;~~

(3) ~~clauses 2.4.9 to 2.4.11;~~

(4) ~~clauses 2.4.18 and 2.4.19;~~

is not required to be ~~publicly disclosed~~ for the first time until ~~5 months after the commencement date.~~



Sue Begg, Deputy Chair

Dated at Wellington this 24th day of March 2012~~5~~.

COMMERCE COMMISSION

Attachment A ASSET MANAGEMENT PLANS

This attachment sets out the mandatory disclosure requirements with respect to AMPs. The text in italics provides a commentary on those requirements. The purpose of the commentary is to provide guidance on the expected content of disclosed AMPs. The commentary has been prepared on the basis that GTBs will implement best practice asset management processes.

AMP design

1. The core elements of asset management-
 - 1.1 A focus on measuring **network** performance, and managing the assets to achieve service targets;
 - 1.2 Monitoring and continuously improving asset management practices;
 - 1.3 Close alignment with corporate vision and strategy;
 - 1.4 That asset management is driven by clearly defined strategies, business objectives and service level targets;
 - 1.5 That responsibilities and accountabilities for asset management are clearly assigned;
 - 1.6 An emphasis on knowledge of what assets are owned and why, the location of the assets and the condition of the assets;
 - 1.7 An emphasis on optimising asset utilisation and performance;
 - 1.8 That a total life cycle approach should be taken to asset management;
 - 1.9 That the use of 'non-network' solutions and demand management techniques as alternatives to asset acquisition is considered.
2. The disclosure requirements are designed to produce **AMPs** that—
 - 2.1 Are based on, but are not limited to, the core elements of asset management identified in clause 1 ~~above~~;
 - 2.2 Are clearly documented and made available to all stakeholders;
 - 2.3 Contain sufficient information to allow interested **persons** to make an informed judgement about the extent to which the **GTB's** asset management processes meet best practice criteria and outcomes are consistent with outcomes produced in competitive markets;
 - 2.4 Specifically support the achievement of disclosed service level targets;

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- 2.5 Emphasise knowledge of the performance and risks of assets and identify opportunities to improve performance and provide a sound basis for ongoing risk assessment;
- 2.6 Consider the mechanics of delivery including resourcing;
- 2.7 Consider the organisational structure and capability necessary to deliver the **AMP**;
- 2.8 Consider the organisational and contractor competencies and any training requirements;
- 2.9 Consider the systems, integration and information management necessary to deliver the plans;
- 2.10 To the extent practical, use unambiguous and consistent definitions of asset management processes and terminology consistent with the terms used in this attachment to enhance comparability of asset management practices over time and between **GTBs**; and
- 2.11 Promote continual improvements to asset management practices.

*Disclosing an **AMP** does not constrain a **GTB** from managing its assets in a way that differs from the **AMP** if circumstances change after preparing the **AMP** or if the **GTB** adopts improved asset management practices.*

Contents of the AMP

3. The **AMP** must include the following-
 - 3.1 A summary that provides a brief overview of the contents and highlights information that the **GTB** considers significant;
 - 3.2 Details of the background and objectives of the **GTB**'s asset management and planning processes; and
 - 3.3 A purpose statement which-
 - 3.3.1 makes clear the purpose and status of the **AMP** in the **GTB**'s asset management practices. The purpose statement must also include a statement of the objectives of the asset management and planning processes;
 - 3.3.2 states the corporate mission or vision as it relates to asset management;
 - 3.3.3 identifies the documented plans produced as outputs of the annual business planning process adopted by the **GTB**;

3.3.4 states how the different documented plans relate to one another, with particular reference to any plans specifically dealing with asset management; ~~and~~

3.3.5 includes a description of the interaction between the objectives of the **AMP** and other corporate goals, business planning processes, and plans.

*The purpose statement should be consistent with the **GTB's** vision and mission statements and show a clear recognition of stakeholder interest.*

3.4 Details of the **AMP planning period**, which must cover at least a projected ~~period of 10 years~~ ~~asset management planning period~~ commencing with the **disclosure year** following the date on which the **AMP** is disclosed.

*Good asset management practice recognises the greater accuracy of short-to-medium term planning, and will allow for this in the **AMP**. The asset management planning information for the second 5 years of the **AMP planning period** need not be presented in the same detail as the first 5 years.*

3.5 The date that it was approved by the **directors**.

3.6 A description of each of the legislative requirements directly affecting management of the assets, and details of-

~~3.6.1~~—how the **GTB**

~~3.6.23.6.1~~ meets the requirements; and

~~3.6.33.6.2~~ the impact on asset management.

3.7 A description of stakeholder interests (owners, **consumers**, etc) which identifies important stakeholders and indicates-

3.7.1 how the interests of stakeholders are identified;

3.7.2 what these interests are;

3.7.3 how these interests are accommodated in asset management practices; ~~and~~

3.7.4 how conflicting interests are managed.

3.8 A description of the accountabilities and responsibilities for asset management on at least 3 levels, including-

- 3.8.1 governance—a description of the extent of **director** approval required for key asset management decisions and the extent to which asset management outcomes are regularly reported to **directors**;
 - 3.8.2 executive—an indication of how the in-house asset management and planning organisation is structured; **and**
 - 3.8.3 field operations—an overview of how field operations are managed, including a description of the extent to which field work is undertaken in-house and the areas where outsourced contractors are used.
- 3.9 All significant assumptions-
- 3.9.1 quantified where possible;
 - 3.9.2 clearly identified in a manner that makes their significance understandable to interested **persons**, and including;
 - 3.9.3 a description of changes proposed where the information is not based on the **GTB's** existing business;
 - 3.9.4 the sources of uncertainty and the potential effect of the uncertainty on the prospective information; **and**
 - 3.9.5 the price inflator assumptions used to prepare the financial information disclosed in **nominal New Zealand dollars** in the Report on Forecast Capital Expenditure set out in Schedule 11a and the Forecast on Forecast Operational Expenditure set out in Schedule 11b.
- 3.10 A description of the factors that may lead to a material difference between the prospective information disclosed and the corresponding actual information recorded in future disclosures.
- 3.11 An overview of asset management strategy and delivery.
- To support the **Report on Asset Management Maturity** disclosure and assist interested **persons** to assess the maturity of asset management strategy and delivery, the **AMP** should identify-*
- 1. *how the asset management strategy is consistent with the **GTB's** other strategy and policies;*
 - 2. *how the asset strategy takes into account the life cycle of the assets;*
 - 3. *the link between the asset management strategy and the **AMP**;*

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4. *processes that ensure costs, risks and system performance will be effectively controlled when the **AMP** is implemented.*

3.12 An overview of systems and information management data.

To support the *Report on Asset Management Maturity* disclosure and assist interested **persons** to assess the maturity of systems and information management, the **AMP** should describe-

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1. *the processes used to identify asset management data requirements that cover the whole of life cycle of the assets;*
2. *the systems used to manage asset data and where the data is used, including an overview of the systems to record asset conditions and operation capacity and to monitor the performance of assets;*
3. *the systems and controls to ensure the quality and accuracy of asset management information; and*
4. *the extent to which these systems, processes and controls are integrated.*

3.13 A statement covering any limitations in the availability or completeness of asset management data and disclose any initiatives intended to improve the quality of this data.

*Discussion of the limitations of asset management data is intended to enhance the transparency of the **AMP** and identify gaps in the asset management system.*

3.14 A description of the processes used within the **GTB** for-

- 3.14.1 managing routine asset inspections and **network** maintenance;
- 3.14.2 planning and implementing **network** development projects;
and
- 3.14.3 measuring **network** performance.

3.15 An overview of asset management documentation, controls and review processes.

To support the *Report on Asset Management Maturity* disclosure and assist interested **persons** to assess the maturity of asset management documentation, controls and review processes, the **AMP** should-

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1. *identify the documentation that describes the key components of the asset management system and the links between the key components;*

2. describe the processes developed around documentation, control and review of key components of the asset management system;
3. where the **GTB** outsources components of the asset management system, the processes and controls that the **GTB** uses to ensure efficient and cost effective delivery of its asset management strategy;
4. where the **GTB** outsources components of the asset management system, the systems it uses to retain core asset knowledge in-house; and
5. audit or review procedures undertaken in respect of the asset management system.

3.16 An overview of communication and participation processes.

To support the Report on Asset Management Maturity disclosure and assist interested persons to assess the maturity of asset management documentation, controls and review processes, the **AMP** should-

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1. communicate asset management strategies, objectives, policies and plans to stakeholders involved in the delivery of the asset management requirements, including contractors and consultants; and
2. demonstrate staff engagement in the efficient and cost effective delivery of the asset management requirements.

4. The **AMP** must present all financial values in **constant price** New Zealand dollars except where specified otherwise.

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5. The **AMP** must be structured and presented in a way that the **GTB** considers will support the purposes of **AMP** disclosure set out in clause ~~2.6.22~~ of the determination.

Assets covered

6. The **AMP** must provide details of the assets covered, including—

- 6.1 A high level map indicating the geographic location of the **network**; and
- 6.2 A diagram, with any cross-referenced information contained in an accompanying schedule, of each **transmission system** of the pipeline owner showing the following details-
 - 6.2.1 all assets in the system with notations showing-

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- (a) internal, external, or nominal pipe diameters used (identifying whether internal, external, or nominal pipe diameters are used); ~~and~~
- (b) pipe design pressure ratings; ~~and~~
- (c) all **stations, main-line valves, intake points and offtake points**, including a unique identifier for each item; ~~and~~
- (d) the distance between the items referred to in subclause 6.2.1(c) of this attachment; ~~and~~

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6.2.2 if applicable, the points where a significant change has occurred since the previous disclosure of the information referred to in ~~sub~~clause 6.2.1 of this attachment, including-

- (a) a clear description of every point on the **network** that is affected by the change; ~~and~~
- (b) a statement as to whether the capacity of the **network**, at the points where the change has occurred, or other points (as the case may be) has increased or decreased or is not affected; ~~and~~
- (c) a description of the change.

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6.3 The **AMP** must describe the **network** assets by providing the following information for each asset category-

6.4 Description and quantity of assets;

6.5 Age profiles; ~~and~~

6.6 A discussion of the condition of the assets, further broken down into more detailed categories as appropriate. Systemic issues leading to the premature replacement of assets or parts of assets should be discussed.

7. The asset categories discussed in ~~sub~~clause 6.3 of this attachment should include at least the following-

7.1 the categories listed in the Report on Forecast Capital Expenditure in Schedule 11a(iii); ~~and~~

7.2 assets owned by the **GTB** but installed at facilities owned by others.

Transmission system capacity

8. The **AMP** must include an assessment of the extent to which physical pipeline capacity is adequate to address the current and anticipated future needs of

consumers, taking into account expected demands on the **transmission system** and the **GTB's** investment plans.

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8.1 The assessment must include the following-

8.1.1 Subject to ~~sub~~clauses 8.2, 8.3 and 8.4 ~~of this attachment below~~, for each **offtake point** with a throughput of gas during the **system peak** flow period of 2,000 GJ or more, an analysis of available capacity, including a description of any potential **transmission system** constraints;

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8.1.2 a description of the extent to which the **GTB's** planned investments will affect the constraints identified in ~~sub~~clause 8.1.1 of this attachment; ~~and~~

8.1.3 a description of the extent to which constraints identified in ~~sub~~clause 8.1.1 of this attachment are impacting upon the quality of service provided to existing **consumers**.

8.2 The analysis of available capacity disclosed pursuant to ~~sub~~clause 8.1.1 of this attachment for each **offtake point** must separately assume that the throughput of gas ~~or the gas pressure requirements~~ at the other **offtake points** on the **transmission system**-

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8.2.1 occurred during a recent **system peak** flow period; ~~and~~

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8.2.2 maintain observed trends, eg, growth trends, peak demand factors and trendline adjustments, or other modelled behaviours.

8.3 For the purposes of ~~sub~~clause 8.1.1 of this attachment, the **AMP**-

8.3.1 may treat **offtake points** that are supplied from a common physical connection to a pipeline as a single **offtake point**, provided that this is noted in the **AMP**;

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8.3.2 must describe the modelling methodology and include all material assumptions, including peak flow period throughputs not contributing to capacity constraints (e.g., interruptible flows); physical boundaries of the **transmission system**; sources of data used; modelled representation of the **transmission systems** and its operational constraints;

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8.3.3 must identify the recent **system peak** flow periods used in the ~~sub~~clause 8.2.1 analysis, and must either set out the peak flow information specified in subclauses 2.5.2(1)(a) and 2.5.2(1)(b) of ~~this~~ determination, or provide reference to a website at which interested **persons** can readily access the same

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information at no charge as specified in subclause 2.5.2(4) of ~~this~~ determination; and

8.3.4 must include the name, version and source of any commercial computer software used to simulate the **transmission system**.

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8.4 If the analysis specified in ~~sub~~clause 8.1.1 of this attachment is posted on a website normally used by the **GTB** for the publication of information and can be readily accessed at no charge by interested **persons**, the analysis may be incorporated in the **AMP** by reference subject to the information being retained on such a website for a period of not less than five years.

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Service Levels

9. The **AMP** must clearly identify or define a set of performance indicators for which annual performance targets have been defined. The annual performance targets must be consistent with business strategies and asset management objectives and be provided for each year of the **AMP planning period**. The targets should reflect what is practically achievable given the current **network** configuration, condition and planned expenditure levels. The targets should be disclosed for each year of the **AMP planning period**.

10. Performance indicators for which targets have been defined in clause 9 ~~above~~ must include the DPP requirements required under the price quality path determination applying to the regulatory assessment period in which the next **disclosure year** falls.

Performance indicators for which targets have been defined in clause 9 ~~above~~ should also include-

- 1. **consumer** oriented indicators that preferably differentiate between different **consumer** groups; and*
- 2. indicators of asset performance, asset efficiency and effectiveness, and service efficiency, such as technical and financial performance indicators related to the efficiency of asset utilisation and operation.*

11. The **AMP** must describe the basis on which the target level for each performance indicator was determined. Justification for target levels of service includes **consumer** expectations or demands, legislative, regulatory, and other stakeholders' requirements or considerations. The **AMP** should demonstrate how stakeholder needs were ascertained and translated into service level targets.

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12. Targets should be compared to historic values where available to provide context and scale to the reader.

13. Where forecast expenditure is expected to materially affect performance against a target defined in clause 9-~~above~~, the target should be consistent with the expected change in the level of performance.

Performance against target must be monitored for disclosure in the Evaluation of Performance section of each subsequent AMP.

14. AMPs must provide a detailed description of **network** development plans, including—

- 14.1 A description of the planning criteria and assumptions for **network** development~~;~~

*Planning criteria for **network** developments should be described logically and succinctly. Where probabilistic or scenario-based planning techniques are used, this should be indicated and the methodology briefly described.*

- 14.2 A description of strategies or processes (if any) used by the **GTB** that promote cost efficiency including through the use of standardised assets and designs;

The use of standardised designs may lead to improved cost efficiencies. This section should discuss-

1. *the categories of assets and designs that are standardised; ~~and~~*
2. *the approach used to identify standard designs.*

- 14.3 A description of the criteria used to determine the capacity of new equipment for different types of assets or different parts of the **network**~~;~~

*The criteria described should relate to the **GTB's** philosophy in managing planning risks.*

- 14.4 A description of the process and criteria used to prioritise **network** development projects and how these processes and criteria align with the overall corporate goals and vision~~;~~

14.4.1 Details of demand forecasts, the basis on which they are derived, and the specific **network** locations where constraints are expected due to forecast increases in demand;

14.4.2 Explain the load forecasting methodology and indicate all the factors used in preparing the load estimates;

14.4.3 Provide separate forecasts to at least off-take points covering at least a minimum 5 year forecast period. Discuss how uncertain but substantial individual projects/developments

that affect load are taken into account in the forecasts, making clear the extent to which these uncertain increases in demand are reflected in the forecasts; **and**

14.4.4 Identify any **network** or equipment constraints that may arise due to the anticipated growth in demand during the **AMP planning period**.

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14.5 Analysis of the significant **network** level development options identified and details of the decisions made to satisfy and meet target levels of service, including-

14.5.1 the reasons for choosing a selected option for projects where decisions have been made;

14.5.2 the alternative options considered for projects that are planned to start in the next 5 years; **and**

14.5.3 consideration of planned innovations that improve efficiencies within the **network**, such as improved utilisation, extended asset lives, and deferred investment.

14.6 A description and identification of the **network** development programme and actions to be taken, including associated expenditure projections. The **network** development plan must include-

14.6.1 a detailed description of the material projects and a summary description of the non-material projects currently underway or planned to start within the next 12 months;

14.6.2 a summary description of the programmes and projects planned for the following 4 years (where known); and

14.6.3 an overview of the material projects being considered for the remainder of the **AMP planning period**.

*For projects included in the **AMP** where decisions have been made, the reasons for choosing the selected option should be stated which should include how target levels of service will be impacted. For other projects planned to start in the next 5 years, alternative options should be discussed.*

14.7 A description of the extent to which the disclosed **network** development plans meet the loads anticipated in current gas demand forecasts prepared by the Gas Industry Company or any Government department or agency.

Lifecycle Asset Management Planning (Maintenance and Renewal)

15. The **AMP** must provide a detailed description of the lifecycle asset management processes, including—
- 15.1 The key drivers for maintenance planning and assumptions;
 - 15.2 Identification of **routine and corrective maintenance and inspection** policies and programmes and actions to be taken for each asset category, including associated expenditure projections. This must include-
 - 15.2.1 the approach to inspecting and maintaining each category of assets, including a description of the types of inspections, tests and condition monitoring carried out and the intervals at which this is done;
 - 15.2.2 any systemic problems identified with any particular asset types and the proposed actions to address these problems; and
 - 15.2.3 budgets for maintenance activities broken down by asset category for the **AMP planning period**.
 - 15.3 Identification of **asset replacement and renewal** policies and programmes and actions to be taken for each asset category, including associated expenditure projections. This must include-
 - 15.3.1 the processes used to decide when and whether an asset is replaced or refurbished, including a description of the factors on which decisions are based;
 - 15.3.2 a description of the projects currently underway or planned for the next 12 months;
 - 15.3.3 a summary of the projects planned for the following 4 years (where known); and
 - 15.3.4 an overview of other work being considered for the remainder of the **AMP planning period**.
 - 15.4 The asset categories discussed in ~~sub~~clauses 15.2 and 15.3 ~~above~~ should include at least the categories in ~~sub~~clause 7.

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Non-Network Development, Maintenance and Renewal

16. **AMPs** must provide a summary description of material non-network development, maintenance and renewal plans, including—
- 16.1 a description of **non-network assets**;

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- 16.2 development, maintenance and renewal policies that cover them;
- 16.3 a description of material **capital expenditure** projects (where known) planned for the next 5 years; and
- 16.4 a description of material maintenance and renewal projects (where known) planned for the next 5 years.

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Risk Management

- 17. **AMPs** must provide details of risk policies, assessment, and mitigation, including—
 - 17.1 methods, details and conclusions of risk analysis;
 - 17.2 strategies used to identify areas of the **network** that are vulnerable to high impact low probability events and a description of the resilience of the **network** and asset management systems to such events; and
 - 17.3 a description of the policies to mitigate or manage the risks of events identified in ~~sub~~clause 17.217.1 of this attachment;
- 18. Details of emergency response and contingency plans.

*Asset risk management forms a component of a **GTB's** overall risk management plan or policy, focusing on the risks to assets and maintaining service levels. **AMPs** should demonstrate how the **GTB** identifies and assesses asset related risks and describe the main risks within the **network**. The focus should be on credible low-probability, high-impact risks. Risk evaluation may highlight the need for specific development projects or maintenance programmes. Where this is the case, the resulting projects or actions should be discussed, linking back to the development plan or maintenance programme.*

Evaluation of performance

- 19. **AMPs** must provide details of performance measurement, evaluation, and improvement, including—
 - 19.1 A review of progress against plan, both physical and financial;
 - 1. Referring to the most recent disclosures made under section 2.6 of this determination, discussing any significant differences and highlighting reasons for substantial variances;
 - 2. Commenting on the progress of development projects against that planned in the previous **AMP** and provide reasons for substantial variances along with any significant construction or other problems experienced; and

3. *Commenting on progress against maintenance initiatives and programmes and discuss the effectiveness of these programmes noted;*

19.2 An evaluation and comparison of actual service level performance against targeted performance.

In particular, comparing the actual and target service level performance for all the targets discussed under the 'service levels' section of the AMP over the previous 5 years and explain any significant variances;

19.3 An evaluation and comparison of the results of the asset management maturity assessment disclosed in the Report on Asset Management Maturity set out in Schedule 13 against relevant objectives of the GTB's asset management and planning processes; and

19.4 An analysis of gaps identified in subclauses 19.2 and 19.3 above. Where significant gaps exist (not caused by one-off factors), the AMP must describe any planned initiatives to address the situation.

Capability to deliver

20. **AMPs** must describe the processes used by the **GTB** to ensure that:

20.1 The **AMP** is realistic and the objectives set out in the plan can be achieved; and

20.2 The organisation structure and the processes for authorisation and business capabilities will support the implementation of the **AMP** plans.

Schedule 1 Analytical Ratios

		Company Name	<input style="width: 100%;" type="text"/>	
		For Year Ended	<input style="width: 100%;" type="text"/>	
SCHEDULE 1: ANALYTICAL RATIOS				
<p>This schedule calculates expenditure, revenue and service ratios from the information disclosed. The disclosed ratios may vary for reasons that are company specific and, as a result, must be interpreted with care. The Commerce Commission will publish a summary and analysis of information disclosed in accordance with the ID determination. This will include information disclosed in accordance with this and other schedules, and information disclosed under the other requirements of the determination. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.</p>				
sch ref				
7	1(i): Expenditure Metrics			
8		Ratio of expenditure to quantity of gas delivered (\$ per TJ)	Ratio of expenditure to system length (\$ per km)	
9	Operational expenditure	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
10	Network	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
11	Non-network	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
12				
13	Expenditure on assets	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
14	Network	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
15	Non-network	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
16				
17	1(ii): Service Intensity Measures			
18				
19	Volume density	<input style="width: 100%;" type="text"/>	Quantity of gas delivered per km of system length (TJ/km)	
20				
21	1(iii): Composition of Revenue Requirement			
22		(\$000)	% of revenue	
23	Operational expenditure	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
24	Pass through and recoverable costs excluding financial incentives and wash-ups	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
25	Total depreciation	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
26	Total revaluations	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
27	Regulatory tax allowance	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
28	Regulatory profit/(loss) including financial incentives and wash-ups	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
29	Total regulatory income	<input style="width: 100%;" type="text"/>	<input style="width: 100%;" type="text"/>	
30				
31	1(iv): Reliability			
32				
33	Interruption rate	<input style="width: 100%;" type="text"/>	Interruptions per 100km of system length	

Schedule 2 Report on Return on Investment

		Company Name <input type="text"/>		
		For Year Ended <input type="text"/>		
SCHEDULE 2: REPORT ON RETURN ON INVESTMENT				
<p>This schedule requires information on the Return on Investment (ROI) for the GTB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. GTBs must calculate their ROI based on a monthly basis if required by clause 2.3.3 of the ID determination or if they elect to. If a GTB makes this election, information supporting this calculation must be provided in 2(iii). GTBs must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.</p>				
sch ref				
7	2(i): Return on Investment	CY-2	CY-1	Current Year CY
8				
9	ROI – comparable to a post tax WACC	%	%	%
10	Reflecting all revenue earned	<input type="text"/>	<input type="text"/>	<input type="text"/>
11	Excluding revenue earned from financial incentives	<input type="text"/>	<input type="text"/>	<input type="text"/>
12	Excluding revenue earned from financial incentives and wash-ups	<input type="text"/>	<input type="text"/>	<input type="text"/>
13				
14	Mid-point estimate of post tax WACC			
15	25th percentile estimate	<input type="text"/>	<input type="text"/>	<input type="text"/>
16	75th percentile estimate	<input type="text"/>	<input type="text"/>	<input type="text"/>
17				
18	ROI – comparable to a vanilla WACC			
19				
20	Reflecting all revenue earned	<input type="text"/>	<input type="text"/>	<input type="text"/>
21	Excluding revenue earned from financial incentives	<input type="text"/>	<input type="text"/>	<input type="text"/>
22	Excluding revenue earned from financial incentives and wash-ups	<input type="text"/>	<input type="text"/>	<input type="text"/>
23				
24	WACC rate used to set regulatory price path	<input type="text"/>	<input type="text"/>	<input type="text"/>
25				
26	Mid-point estimate of vanilla WACC			
27	25th percentile estimate	<input type="text"/>	<input type="text"/>	<input type="text"/>
28	75th percentile estimate	<input type="text"/>	<input type="text"/>	<input type="text"/>
29				
30	2(ii): Information Supporting the ROI	(\$000)		
31				
32	Total opening RAB value	<input type="text"/>	<input type="text"/>	<input type="text"/>
33	Opening RIV	<input type="text"/>	<input type="text"/>	<input type="text"/>
34				
35				
36	Line charge revenue	<input type="text"/>	<input type="text"/>	<input type="text"/>
37				
38	Expenses cash outflow	<input type="text"/>	<input type="text"/>	<input type="text"/>
39	plus Assets commissioned	<input type="text"/>	<input type="text"/>	<input type="text"/>
40	less Asset disposals	<input type="text"/>	<input type="text"/>	<input type="text"/>
41	plus Regulatory tax allowance	<input type="text"/>	<input type="text"/>	<input type="text"/>
42	less Other regulated income	<input type="text"/>	<input type="text"/>	<input type="text"/>
43	Mid-year net cash outflows	<input type="text"/>	<input type="text"/>	<input type="text"/>
44				
45	Term credit spread differential allowance	<input type="text"/>	<input type="text"/>	<input type="text"/>
46				
47	Total closing RAB value	<input type="text"/>	<input type="text"/>	<input type="text"/>
48	less Adjustment resulting from asset allocation	<input type="text"/>	<input type="text"/>	<input type="text"/>
49	less Lost and found assets adjustment	<input type="text"/>	<input type="text"/>	<input type="text"/>
50	Closing RIV	<input type="text"/>	<input type="text"/>	<input type="text"/>
51				
52				
53	ROI – comparable to a vanilla WACC			<input type="text"/>
54				
55	Leverage (%)			44.0%
56	Cost of debt assumption (%)			<input type="text"/>
57	Corporate tax rate (%)			<input type="text"/>
58				
59	ROI – comparable to a post tax WACC			<input type="text"/>

60	2(iii): Information Supporting the Monthly ROI					
61						
62	Opening RIV					N/A
63						
64						
65	(\$000)					
66	Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
67	Month 1					-
68	Month 2					-
69	Month 3					-
70	Month 4					-
71	Month 5					-
72	Month 6					-
73	Month 7					-
74	Month 8					-
75	Month 9					-
76	Month 10					-
77	Month 11					-
78	Month 12					-
79	Total					-
80	Regulatory tax allowance					N/A
81	Term credit spread differential allowance					N/A
82	Closing RIV					N/A
83	Monthly ROI – comparable to a vanilla WACC					N/A
84	Monthly ROI – comparable to a post tax WACC					N/A
85	2(iv): Year-end ROI rates for comparison purposes					
86	Year-end ROI – comparable to a vanilla WACC					-
87	Year-end ROI – comparable to a post tax WACC					-
88	* The year-end ROI values are comparable to the ROI reported in pre 2012 disclosures by GTBs and do not represent the Commission's current view on ROI.					
89	2(v): Financial Incentives and Wash-Ups					
90	Net recoverable costs allowed under incremental rolling incentive scheme					-
91	Other financial incentives					-
92	Financial incentives					-
93	Impact of financial incentives on ROI					-
94	Input methodology claw-back					-
95	Recoverable customised price-quality path costs					-
96	Other wash-ups					-
97	Wash-up costs					-
98	Impact of wash-up costs on ROI					-
99						
100						
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Schedule 3 Report on Regulatory Profit

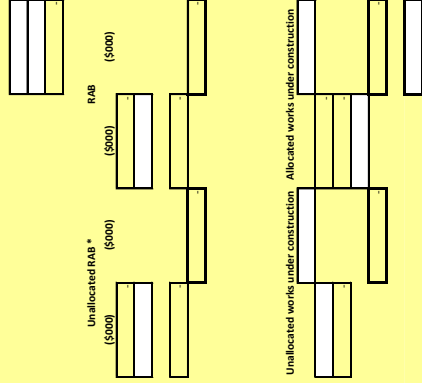
		Company Name		
		For Year Ended		
SCHEDULE 3: REPORT ON REGULATORY PROFIT				
This schedule requires information on the calculation of regulatory profit for the GTB for the disclosure year. GTBs must complete all sections and must provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).				
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.				
<i>sch ref</i>				
7	3(i): Regulatory Profit			(5000)
8	Income			
9	Line charge revenue			-
10	plus Gains / (losses) on asset disposals			
11	plus Other regulated income (other than gains / (losses) on asset disposals)			
12				
13	Total regulatory income			
14	Expenses			
15	less Operational expenditure			-
16				
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups			-
18				
19	Operating surplus / (deficit)			-
20				
21	less Total depreciation			-
22				
23	plus Total revaluations			-
24				
25	Regulatory profit / (loss) before tax			-
26				
27	less Term credit spread differential allowance			-
28				
29	less Regulatory tax allowance			-
30				
31	Regulatory profit/(loss) including financial incentives and wash-ups			-
32				
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups			(5000)
34	Pass through costs			
35	Rates			
36	Commerce Act levies			
37	Industry Levies			
38	CPP specified pass through costs			
39	Recoverable costs excluding financial incentives and wash-ups			
40	Balancing gas costs			
41	Other recoverable costs excluding financial incentives and wash-ups			
42	Pass-through and recoverable costs excluding financial incentives and wash-ups			-
43				
44	3(iii): Incremental Rolling Incentive Scheme			(5000)
45			CY-1	CY
46				
47	Allowed controllable opex			
48	Actual controllable opex			
49				
50	Incremental change in year			
51				
52			Previous years' incremental change	Previous years' incremental change adjusted for inflation
53	CY-5 [year]			
54	CY-4 [year]			
55	CY-3 [year]			
56	CY-2 [year]			
57	CY-1 [year]			
58	Net incremental rolling incentive scheme			-
59				
60	Net recoverable costs allowed under incremental rolling incentive scheme			-
61				
62	3(iv): Merger and Acquisition Costs			(5000)
63				
64	Merger and acquisition expenditure			-
65				
66	<i>Provide commentary on the benefits of merger and acquisition expenditure to the gas transmission business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)</i>			
67				
68	3(v): Other Disclosures			(5000)
69				
70	Self-insurance allowance			-

Schedule 4 Report on Value of the Regulatory Asset Base (Rolled Forward)

		Company Name For Year Ended				
		RAB CY-4 (\$000)	RAB CY-3 (\$000)	RAB CY-2 (\$000)	RAB CY-1 (\$000)	RAB CY (\$000)
7	4(i): Regulatory Asset Base Roll Forward					
8	Total opening RAB value					
9	less Total depreciation					
10	plus Total revaluations					
11	plus Assets commissioned					
12	less Asset disposals					
13	plus Lost and found assets adjustment					
14	plus Adjustment resulting from asset allocation					
15	Total closing RAB value					
16						
17						
18						
19						
20						
21						
22						
23						
24						
25						
26						
27	4(ii): Unallocated Regulatory Asset Base					
28	Total opening RAB value					
29	less Total depreciation					
30	plus Total revaluations					
31	plus Assets commissioned (other than below)					
32	plus Assets acquired from a regulated supplier					
33	plus Assets acquired from a related party					
34	less Assets commissioned					
35	less Asset disposals (other than below)					
36	less Asset disposals to a regulated supplier					
37	less Asset disposals to a related party					
38	less Asset disposals					
39	plus Lost and found assets adjustment					
40	plus Adjustment resulting from asset allocation					
41	Total closing RAB value					
42						
43						
44						
45						
46						
47						
48						
49						
50						

* The unallocated RAB is the total value of those assets used wholly or partially to provide gas transmission services without any allowances being made for the allocation of costs to services provided by the supplier that are not gas transmission services. The RAB value represents the value of these assets after applying this cost allocation. Neither value includes works under construction.

51				
52	4(ii): Calculation of Revaluation Rate and Revaluation of Assets			
53	CPI _t			
54	CPI _{t-4}			
55	Revaluation rate (%)			
56				
57				
58				
59				
60	Total opening RAB value			
61	Opening value of fully depreciated, disposed and lost assets			
62	less			
63	Total opening RAB value subject to revaluation			
64	Total revaluations			
65				
66	4(iv): Roll Forward of Works Under Construction			
67				
68	Works under construction— preceding disclosure year			
69	Capital expenditure			
70	less			
71	Assets commissioned			
72	Adjustment resulting from asset allocation			
73	Works under construction - current disclosure year			
74	Highest rate of capitalised finance applied			
75				



76	4(v): Regulatory Depreciation		
77	Depreciation - standard	Unallocated RAB * (\$000)	RAB (\$000)
78	Depreciation - no standard life assets		
79	Depreciation - modified life assets		
80	Depreciation - alternative depreciation in accordance with CIP		
81	Total depreciation		
82			
83			
84			
85	4(vi): Disclosure of Changes to Depreciation Profiles		
86	Asset or assets with changes to depreciation	Reason for non-standard depreciation (text entry)	Closing RAB value under 'standard' depreciation
87			
88			
89			
90			
91			
92			
93			
94			
95			
96	* Include additional rows if needed		
97	4(vii): Disclosure by Asset Category		
98	Total opening RAB value	(\$000 unless otherwise specified)	
99	less Total depreciation	Pipes	Total
100	plus Total revaluations	Stations	
101	less Assets commissioned	Compressors	
102	plus Asset disposals	Main-line valves	
103	less Lost and found assets adjustment	Special crossings	
104	plus Adjustment resulting from asset allocation	Other network assets	
105	plus Asset category transfers	Non-network assets	
106	Total closing RAB value		
107			
108	Asset Life		
109	Weighted average remaining asset life		(years)
110	Weighted average expected total asset life		(years)
111			

Schedule 5a Report on Regulatory Tax Allowance

		Company Name	<input type="text"/>
		For Year Ended	<input type="text"/>
SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE			
This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit).			
GTBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes).			
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.			
<i>sch ref</i>			
7	5a(i): Regulatory Tax Allowance		(\$000)
8	Regulatory profit / (loss) before tax		<input type="text"/>
9			
10	plus Total depreciation	<input type="text"/>	
11	less Tax depreciation	<input type="text"/>	
12	Permanent differences:		
13	plus Income not included in regulatory profit / (loss) before tax but taxable	<input type="text"/>	*
14	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	<input type="text"/>	*
15			
16	less Total revaluations	<input type="text"/>	
17	Income included in regulatory profit / (loss) before tax but not taxable	<input type="text"/>	*
18	Expenditure or loss deductible but not in regulatory profit / (loss) before tax	<input type="text"/>	*
19		<input type="text"/>	
20	Temporary differences:		
21	plus Income not included in regulatory profit / (loss) before tax but taxable	<input type="text"/>	*
22	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	<input type="text"/>	*
23			
24	less Income included in regulatory profit / (loss) before tax but not taxable	<input type="text"/>	*
25	Expenditure or loss deductible but not in regulatory profit / (loss) before tax	<input type="text"/>	*
26		<input type="text"/>	
27	less Notional deductible interest	<input type="text"/>	
28		<input type="text"/>	
29	Regulatory taxable income	<input type="text"/>	
30			
31	less Utilised tax losses	<input type="text"/>	
32	Regulatory net taxable income	<input type="text"/>	
33			
34	Corporate tax rate (%)	<input type="text"/>	
35	Regulatory tax allowance	<input type="text"/>	
36			
37	* Workings to be provided in Schedule 14		
38			
39			
40	5a(ii): Disclosure of Permanent and Temporary Differences		
41	<i>In Schedule 14, Box 5 and Box 6, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).</i>		
42			
43	5a(iii): Reconciliation of Tax Losses		(\$000)
44	Opening tax losses	<input type="text"/>	
45	plus Current period tax losses	<input type="text"/>	
46	less Utilised tax losses	<input type="text"/>	
47	Closing tax losses	<input type="text"/>	
48			
49	5a(iv): Regulatory Tax Asset Base Roll-Forward		
50			(\$000)
51	Opening sum of regulatory tax asset values	<input type="text"/>	
52	less Tax depreciation	<input type="text"/>	
53	plus Regulatory tax asset value of assets commissioned	<input type="text"/>	
54	less Regulatory tax asset value of asset disposals	<input type="text"/>	
55	plus Lost and found assets adjustment	<input type="text"/>	
56	plus Adjustment resulting from asset allocation	<input type="text"/>	
57	plus Other adjustments to the RAB tax value	<input type="text"/>	
58	Closing sum of regulatory tax asset values	<input type="text"/>	

Schedule 5c Report on Term Credit Spread Differential Allowance

Company Name
 For Year Ended

SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE

This schedule is only to be completed if, as at the date of the most recently published financial statements, the weighted average original tenor of the debt portfolio (both qualifying debt and non-qualifying debt) is greater than five years. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch.ref

7

8 **5c(i): Qualifying Debt (may be Commission only)**

9

	Issuing party	Issue date	Pricing date	Original tenor (in years)	Coupon rate (%)	Book value at issue date (NZD)	Book value at date of financial statements (NZD)	Term Credit Spread Difference	Cost of executing an interest rate swap	Debt issue cost readjustment	
11											
12											
13											
14											
15											
16	* include additional rows if needed								-	-	-

17

18 **5c(ii): Attribution of Term Credit Spread Differential**

19

20 **Gross term credit spread differential**

21

22 Total book value of interest bearing debt

23 Leverage

24 Average opening and closing RAB values

25 **Attribution Rate (%)**

26

27 **Term credit spread differential allowance**

Schedule 5d Report on Cost Allocations

Company Name For Year Ended		Value allocated (\$000s)			
		Arm's length deduction	Gas transmission services	Non-gas transmission services	OV/ABAA allocation increase (\$000s)
		Total	Total	Total	Total
SCHEDULE 5d: REPORT ON COST ALLOCATIONS					
This schedule provides information on the allocation of operational costs. GTBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any reclassifications. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.					
7	5d(i): Operating Cost Allocations				
8					
9	Service interruptions, incidents and emergencies				
10	Directly attributable				
11	Not directly attributable				
12	Total attributable to regulated service				
13	Routine and corrective maintenance and inspection				
14	Directly attributable				
15	Not directly attributable				
16	Total attributable to regulated service				
17	Asset replacement and renewal				
18	Directly attributable				
19	Not directly attributable				
20	Total attributable to regulated service				
21	Compressor fuel				
22	Directly attributable				
23	Not directly attributable				
24	Total attributable to regulated service				
25	Land management and associated activity				
26	Directly attributable				
27	Not directly attributable				
28	Total attributable to regulated service				
29	System operations				
30	Directly attributable				
31	Not directly attributable				
32	Total attributable to regulated service				
33	Network support				
34	Directly attributable				
35	Not directly attributable				
36	Total attributable to regulated service				
37	Business support				
38	Directly attributable				
39	Not directly attributable				
40	Total attributable to regulated service				
41	Operating costs directly attributable				
42	Operating costs not directly attributable				
43	Operational expenditure				
44					
45					
46					

47	5d(ii): Other Cost Allocations								
48	Pass through and recoverable costs								
49	Pass through costs								
50	Directly attributable								
51	Not directly attributable								
52	Total attributable to regulated service								
53	Recoverable costs								
54	Directly attributable								
55	Not directly attributable								
56	Total attributable to regulated service								
57									
58	5d(iii): Changes in Cost Allocations* †								
59									
60									
61	Change in cost allocation 1								
62	Cost category								
63	Original allocator or line items								
64	New allocator or line items								
65									
66	Rationale for change								
67									
68									
69									
70	Change in cost allocation 2								
71	Cost category								
72	Original allocator or line items								
73	New allocator or line items								
74									
75	Rationale for change								
76									
77									
78									
79	Change in cost allocation 3								
80	Cost category								
81	Original allocator or line items								
82	New allocator or line items								
83									
84	Rationale for change								
85									
86									
87									
88									

* a change in cost allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component.

† include additional rows if needed

Schedule 5e Report on Asset Allocations

<p>SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS</p> <p>This schedule requires information on the allocation of asset values. This information supports the calculation of the RAB value in Schedule 4. GTBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any changes in asset allocations. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.</p>		<p>Company Name For Year Ended</p>
sch ref	7	
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5e(ii): Changes in Asset Allocations* †																																																															
Change in asset value allocation 1																																																															
Asset category																																																															
Original allocator or line items																																																															
New allocator or line items																																																															
Rationale for change																																																															
Original allocation																																																															
New allocation																																																															
Difference																																																															
CY-1																																																															
Current Year (CY)																																																															
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Change in asset value allocation 2																																																															
Asset category																																																															
Original allocator or line items																																																															
New allocator or line items																																																															
Rationale for change																																																															
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CY-1																																																															
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Asset category																																																															
Original allocator or line items																																																															
New allocator or line items																																																															
Rationale for change																																																															
Original allocation																																																															
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Difference																																																															
CY-1																																																															
Current Year (CY)																																																															
(\$000)																																																															
* a change in asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component.																																																															
† include additional rows if needed																																																															

Schedule 5f Report Supporting Cost Allocations

Company Name
 For Year Ended

SCHEDULE 5f: REPORT SUPPORTING COST ALLOCATIONS

This schedule requires additional detail on the cost allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5d (Cost allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission.
 This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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Have costs been allocated in aggregate using ACAM in accordance with clause 2.1.1(3) of the IM Determination?

[Select one]

Line item*	Allocation methodology type	Allocator	Allocator type	Allocator Metric (%)			Value allocated (\$000)			OVABAA allocation increase (\$000)
				Gas transmission services	Non-gas transmission services	Arm's length deduction	Gas transmission services	Non-gas transmission services	Total	
Service interruptions, incidents and emergencies										
Insert cost description	e.g. ABAA	Allocator 1	[Select one]							-
Insert cost description	e.g. ABAA	Allocator 2	[Select one]							-
Insert cost description	e.g. ABAA	Allocator 3	[Select one]							-
Insert cost description	e.g. ABAA	Allocator 4	[Select one]							-
Not directly attributable										
Routine and corrective maintenance and inspection										
Insert cost description	e.g. ABAA	Allocator 1	[Select one]							-
Insert cost description	e.g. ABAA	Allocator 2	[Select one]							-
Insert cost description	e.g. ABAA	Allocator 3	[Select one]							-
Insert cost description	e.g. ABAA	Allocator 4	[Select one]							-
Not directly attributable										
Asset replacement and renewal										
Insert cost description	e.g. ABAA	Allocator 1	[Select one]							-
Insert cost description	e.g. ABAA	Allocator 2	[Select one]							-
Insert cost description	e.g. ABAA	Allocator 3	[Select one]							-
Insert cost description	e.g. ABAA	Allocator 4	[Select one]							-
Not directly attributable										
Compressor fuel										
Insert cost description	e.g. ABAA	Allocator 1	[Select one]							-
Insert cost description	e.g. ABAA	Allocator 2	[Select one]							-
Insert cost description	e.g. ABAA	Allocator 3	[Select one]							-
Insert cost description	e.g. ABAA	Allocator 4	[Select one]							-
Not directly attributable										

36	Land management and associated activity										
37	Insert cost description	e.g. ABAA	Allocator 1	[Select one]							-
38	Insert cost description	e.g. ABAA	Allocator 2	[Select one]							-
39	Insert cost description	e.g. ABAA	Allocator 3	[Select one]							-
40	Insert cost description	e.g. ABAA	Allocator 4	[Select one]							-
41	Not directly attributable										-
42											
43	System operations										
44	Insert cost description	e.g. ABAA	Allocator 1	[Select one]							-
45	Insert cost description	e.g. ABAA	Allocator 2	[Select one]							-
46	Insert cost description	e.g. ABAA	Allocator 3	[Select one]							-
47	Insert cost description	e.g. ABAA	Allocator 4	[Select one]							-
48	Not directly attributable										-
49	Network support										
50	Insert cost description	e.g. ABAA	Allocator 1	[Select one]							-
51	Insert cost description	e.g. ABAA	Allocator 2	[Select one]							-
52	Insert cost description	e.g. ABAA	Allocator 3	[Select one]							-
53	Insert cost description	e.g. ABAA	Allocator 4	[Select one]							-
54	Not directly attributable										-
55	Business support										
56	Insert cost description	e.g. ABAA	Allocator 1	[Select one]							-
57	Insert cost description	e.g. ABAA	Allocator 2	[Select one]							-
58	Insert cost description	e.g. ABAA	Allocator 3	[Select one]							-
59	Insert cost description	e.g. ABAA	Allocator 4	[Select one]							-
60	Not directly attributable										-
61											
62	Operating costs not directly attributable										-
63	Pass through and recoverable costs										
64	Pass through costs										
65	Insert cost description	e.g. ABAA	Allocator 1	[Select one]							-
66	Insert cost description	e.g. ABAA	Allocator 2	[Select one]							-
67	Insert cost description	e.g. ABAA	Allocator 3	[Select one]							-
68	Insert cost description	e.g. ABAA	Allocator 4	[Select one]							-
69	Not directly attributable										-
70	Recoverable costs										
71	Insert cost description	e.g. ABAA	Allocator 1	[Select one]							-
72	Insert cost description	e.g. ABAA	Allocator 2	[Select one]							-
73	Insert cost description	e.g. ABAA	Allocator 3	[Select one]							-
74	Insert cost description	e.g. ABAA	Allocator 4	[Select one]							-
75	Not directly attributable										-
76	<i>* include additional rows if needed</i>										

Schedule 5g Report Supporting Asset Allocations

Company Name
 For Year Ended

SCHEDULE 5g: REPORT SUPPORTING ASSET ALLOCATIONS

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5e (Report on Asset Allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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8 Have assets been allocated in aggregate using ACAM in accordance with clause 2.1.1(3) of the IM Determination?

9

Line Item*	Allocation methodology type	Allocator	Allocator type	Allocator Metric (%)			Value allocated (\$000)			OVABAA allocation increase (\$000)
				Gas transmission services	Non-gas transmission services	Arm's length deduction	Gas transmission services	Non-gas transmission services	Total	
Pipes										
13 Insert asset description	e.g. ABAA	Allocator 1	[Select one]							-
14 Insert asset description	e.g. ABAA	Allocator 2	[Select one]							-
15 Insert asset description	e.g. ABAA	Allocator 3	[Select one]							-
16 Insert asset description	e.g. ABAA	Allocator 4	[Select one]							-
17 Not directly attributable										-
Stations										
19 Insert asset description	e.g. ABAA	Allocator 1	[Select one]							-
20 Insert asset description	e.g. ABAA	Allocator 2	[Select one]							-
21 Insert asset description	e.g. ABAA	Allocator 3	[Select one]							-
22 Insert asset description	e.g. ABAA	Allocator 4	[Select one]							-
23 Not directly attributable										-
Compressors										
25 Insert asset description	e.g. ABAA	Allocator 1	[Select one]							-
26 Insert asset description	e.g. ABAA	Allocator 2	[Select one]							-
27 Insert asset description	e.g. ABAA	Allocator 3	[Select one]							-
28 Insert asset description	e.g. ABAA	Allocator 4	[Select one]							-
29 Not directly attributable										-

30	Main-line valves									
31	Insert asset description	e.g. ABAA	Allocator 1	[Select one]						-
32	Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-
33	Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-
34	Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-
35	Not directly attributable									
36	Special crossings									
37	Insert asset description	e.g. ABAA	Allocator 1	[Select one]						-
38	Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-
39	Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-
40	Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-
41	Not directly attributable									
42	Other network assets									
43	Insert asset description	e.g. ABAA	Allocator 1	[Select one]						-
44	Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-
45	Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-
46	Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-
47	Not directly attributable									
48	Non-network assets									
49	Insert asset description	e.g. ABAA	Allocator 1	[Select one]						-
50	Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-
51	Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-
52	Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-
53	Not directly attributable									
54	Regulated service asset value not directly attributable									
55										
56	* include additional rows if needed									

| ~~**Schedule 5h—Report on Transitional Financial Information**~~

Schedule 6a Report on Capital Expenditure for the Disclosure Year

		Company Name <input type="text"/>	
		For Year Ended <input type="text"/>	
SCHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR			
This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs. GTBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory notes to templates). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.			
<i>sch ref</i>			
7	6a(i): Expenditure on Assets	(5000)	(5000)
8	Consumer connection		<input type="text"/>
9	System growth		<input type="text"/>
10	Asset replacement and renewal		<input type="text"/>
11	Asset relocations		<input type="text"/>
12	Reliability, safety and environment:		
13	Quality of supply	<input type="text"/>	<input type="text"/>
14	Legislative and regulatory	<input type="text"/>	<input type="text"/>
15	Other reliability, safety and environment	<input type="text"/>	<input type="text"/>
16	Total reliability, safety and environment		<input type="text"/>
17	Expenditure on network assets		<input type="text"/>
18	Expenditure on non-network assets		<input type="text"/>
19			
20	Expenditure on assets		<input type="text"/>
21	plus Cost of financing		<input type="text"/>
22	less Value of capital contributions		<input type="text"/>
23	plus Value of vested assets		<input type="text"/>
24			
25	Capital expenditure		<input type="text"/>
26	6a(ii): Subcomponents of Expenditure on Assets(where known)		
27	Research and development		<input type="text"/>
28	6a(iii): Consumer Connection		
29	Connection types defined by GTB*	(5000)	(5000)
30	<input type="text"/>	<input type="text"/>	<input type="text"/>
31	<input type="text"/>	<input type="text"/>	<input type="text"/>
32	<input type="text"/>	<input type="text"/>	<input type="text"/>
33	<input type="text"/>	<input type="text"/>	<input type="text"/>
34	<input type="text"/>	<input type="text"/>	<input type="text"/>
35	* include additional rows if needed		
36	Consumer connection expenditure		<input type="text"/>
37			
38	less Capital contributions funding consumer connection expenditure	<input type="text"/>	<input type="text"/>
39	Consumer connection less capital contributions		<input type="text"/>

6a(iv): System Growth and Asset Replacement and Renewal		System Growth (\$000)	Asset Replacement and Renewal (\$000)
40			
41			
42			
43	Pipes		
44	Compressor stations		
45	Other stations		
46	SCADA and communications		
47	Special crossings		
48	<i>Components of stations (where known)</i>		
49	Main-line valves		
50	Heating system		
51	Odourisation plants		
52	Coalescers		
53	Metering system		
54	Cathodic protection		
55	Chromatographs		
56	System growth and asset replacement and renewal expenditure	-	-
57	<i>less</i> Capital contributions funding system growth and asset replacement and renewal		
58	System growth and asset replacement and renewal less capital contributions	-	-
59			
60			
61	6a(v): Asset Relocations		
62	<i>Project or programme*</i>	(\$000)	(\$000)
63	[Description of material project or programme]		
64	[Description of material project or programme]		
65	[Description of material project or programme]		
66	[Description of material project or programme]		
67	[Description of material project or programme]		
68	<i>* include additional rows if needed</i>		
69	All other projects or programmes - asset relocations		
70	Asset relocations expenditure		-
71	<i>less</i> Capital contributions funding asset relocations		
72	Asset relocations less capital contributions		-
73	6a(vi): Quality of Supply		
74	<i>Project or programme*</i>	(\$000)	(\$000)
75	[Description of material project or programme]		
76	[Description of material project or programme]		
77	[Description of material project or programme]		
78	[Description of material project or programme]		
79	[Description of material project or programme]		
80	<i>* include additional rows if needed</i>		
81	All other projects or programmes - quality of supply		
82	Quality of supply expenditure		-
83	<i>less</i> Capital contributions funding quality of supply		
84	Quality of supply less capital contributions		-

85	6a(vii): Legislative and Regulatory		
86	<i>Project or programme*</i>		
87	[Description of material project or programme]	(\$000)	(\$000)
88	[Description of material project or programme]		
89	[Description of material project or programme]		
90	[Description of material project or programme]		
91	[Description of material project or programme]		
92	<i>* include additional rows if needed</i>		
93	All other projects or programmes - legislative and regulatory		
94	Legislative and regulatory expenditure		
95	<i>less</i> Capital contributions funding legislative and regulatory		
96	Legislative and regulatory less capital contributions		
97			
98	6a(viii): Other Reliability, Safety and Environment		
99	<i>Project or programme*</i>		
100	[Description of material project or programme]	(\$000)	(\$000)
101	[Description of material project or programme]		
102	[Description of material project or programme]		
103	[Description of material project or programme]		
104	[Description of material project or programme]		
105	<i>* include additional rows if needed</i>		
106	All other projects or programmes - other reliability, safety and environment		
107	Other reliability, safety and environment expenditure		
108	<i>less</i> Capital contributions funding other reliability, safety and environment		
109	Other reliability, safety and environment less capital contributions		
110			
111	6a(ix): Non-Network Assets		
112	Routine expenditure		
113	<i>Project or programme*</i>		
114	[Description of material project or programme]	(\$000)	(\$000)
115	[Description of material project or programme]		
116	[Description of material project or programme]		
117	[Description of material project or programme]		
118	[Description of material project or programme]		
119	<i>* include additional rows if needed</i>		
120	All other projects or programmes - routine expenditure		
121	Routine expenditure		
122	Atypical expenditure		
123	<i>Project or programme*</i>		
124	[Description of material project or programme]	(\$000)	(\$000)
125	[Description of material project or programme]		
126	[Description of material project or programme]		
127	[Description of material project or programme]		
128	[Description of material project or programme]		
129	<i>* include additional rows if needed</i>		
130	All other projects or programmes - atypical expenditure		
131	Atypical expenditure		
132			
133	Expenditure on non-network assets		

Schedule 6b Report on Operational Expenditure for the Disclosure Year

Company Name

For Year Ended

SCHEDULE 6b: REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR

This schedule requires a breakdown of operational expenditure incurred in the disclosure year. GTBs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory comment on any atypical operational expenditure and assets replaced or renewed as part of asset replacement and renewal operational expenditure, and additional information on insurance.

This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

		(\$000)	(\$000)
7	6b(i): Operational Expenditure		
8	Service interruptions, incidents and emergencies	<input type="text"/>	
9	Routine and corrective maintenance and inspection	<input type="text"/>	
10	Asset replacement and renewal	<input type="text"/>	
11	Compressor fuel	<input type="text"/>	
12	Land management and associated activity	<input type="text"/>	
13	Network opex		-
14	System operations	<input type="text"/>	
15	Network support	<input type="text"/>	
16	Business support	<input type="text"/>	
17	Non-network opex		-
18			
19	Operational expenditure		-
20	6b(ii): Subcomponents of Operational Expenditure (where known)		
21	Research and development		<input type="text"/>
22	Insurance		<input type="text"/>

Schedule 7 Comparison of Forecasts to Actual Expenditure

Company Name				
For Year Ended				
SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE				
This schedule compares actual revenue and expenditure to the previous forecasts that were made for the disclosure year. Accordingly, this schedule requires the forecast revenue and expenditure information from previous disclosures to be inserted.				
GTBs must provide explanatory comment on the variance between actual and target revenue and forecast expenditure in Schedule 14 (Mandatory Explanatory Notes). This information is part of the audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8. For the purpose of this audit, target revenue and forecast expenditures only need to be verified back to previous disclosures.				
sch ref				
8	7(i): Revenue	Target (\$000) ¹	Actual (\$000)	% variance
9	Line charge revenue	-	-	-
10	7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
11	Consumer connection	-	-	-
12	System growth	-	-	-
13	Asset replacement and renewal	-	-	-
14	Asset relocations	-	-	-
15	Reliability, safety and environment:			
16	Quality of supply	-	-	-
17	Legislative and regulatory	-	-	-
18	Other reliability, safety and environment	-	-	-
19	Total reliability, safety and environment	-	-	-
20	Expenditure on network assets	-	-	-
21	Expenditure on non-network assets	-	-	-
22	Expenditure on assets	-	-	-
23	7(iii): Operational Expenditure	Forecast (\$000) ²	Actual (\$000)	% variance
24	Service interruptions, incidents and emergencies	-	-	-
25	Routine and corrective maintenance and inspection	-	-	-
26	Asset replacement and renewal	-	-	-
27	Compressor fuel	-	-	-
28	Land management and associated activity	-	-	-
29	Network opex	-	-	-
30	System operations	-	-	-
31	Network support	-	-	-
32	Business support	-	-	-
33	Non-network opex	-	-	-
34	Operational expenditure	-	-	-
35				
36	7(iv): Subcomponents of Expenditure on Assets (where known)	Forecast (\$000) ²	Actual (\$000)	% variance
37	Research and development	-	-	-
38				
39	7(v): Subcomponents of Operational Expenditure (where known)	Forecast (\$000) ²	Actual (\$000)	% variance
40	Research and development	-	-	-
41	Insurance	-	-	-
42				
43	<i>1 From the nominal dollar target revenue for the pricing year disclosed under clause 2.4.3(3) of this determination</i>			
44	<i>2 from the CY+1 nominal dollar expenditure forecasts disclosed in accordance with clause 2.6.6 for the forecast period starting at the beginning of the disclosure year (the second to last disclosure of Schedules 11a and 11b)</i>			

Schedule 8 Report on Billed Quantities and Line Charge Revenues

Company Name
 For Year Ended

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

This schedule requires disclosure of the delivered quantities and number of offtake points for each type of connection on the GTB's network, and the energy delivered to these offtake points, for the disclosure year. It also requires the billed quantities and associated line charge revenues for each contract type used by the GTB, for the disclosure year.

sch ref

8 (i): Billed quantities by contract type

	Billed quantities - Gas throughput billed*	Billed quantities - Reserved capacity billed*	Billed quantities - Overrun charges billed*	Billed quantities - Approved Nominations billed**	Billed quantities - Σ (Approved Nominations x distance) billed**	
Contract type	Units	Units	Units	Units	Units	Add extra columns for additional billed quantities as necessary
<input style="width: 100%;" type="text" value="[Select one]"/>						
<input style="width: 100%;" type="text" value="[Select one]"/>						
<i>Add extra rows for additional contract types as necessary</i>						
Totals for all contracts	-	-	-	-	-	

8(ii): Line charge revenues (\$000) by contract type

	Total line charge revenue in disclosure year	Gas throughput revenue*	Reserved capacity revenue*	Overrun charges revenue*	Approved Nominations revenue**	Σ (Approved Nominations x distance) revenue**	Notional revenue foregone from posted discounts (if applicable)
<input style="width: 100%;" type="text" value="[Select one]"/>	-						
<input style="width: 100%;" type="text" value="[Select one]"/>	-						
<i>Add extra rows for additional contract types as necessary</i>							
Totals for all contracts	-						

*Vector only
**MDL only

Schedule 9a Asset Register

Company Name
For Year Ended

SCHEDULE 9a: ASSET REGISTER

This schedule requires a summary of the quantity of assets that make up the network, by asset category and asset class.

sch ref

	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1-4)
7	Pipes	Protected steel pipes	km			-	[Select one]
8	Pipes	Special crossings	km			-	[Select one]
9	Stations	Compressor stations	No.			-	[Select one]
10	Stations	Offtake point	No.			-	[Select one]
11	Stations	Scraper stations	No.			-	[Select one]
12	Stations	Intake points	No.			-	[Select one]
13	Stations	Metering stations	No.			-	[Select one]
14	Compressors	Compressors—turbine driven	No.			-	[Select one]
15	Compressors	Compressors—electric motor driven	No.			-	[Select one]
16	Compressors	Compressors—reciprocating engine driven	No.			-	[Select one]
17	Main-line valves	Main line valves manually operated	No.			-	[Select one]
18	Main-line valves	Main line valves remotely operated	No.			-	[Select one]
19	Heating systems	Gas-fired heaters	No.			-	[Select one]
20	Heating systems	Electric heaters	No.			-	[Select one]
21	Odourisation plants	Odourisation plants	No.			-	[Select one]
22	Coalescers	Coalescers	No.			-	[Select one]
23	Metering systems	Meters—ultrasonic	No.			-	[Select one]
24	Metering systems	Meters—rotary	No.			-	[Select one]
25	Metering systems	Meters turbine	No.			-	[Select one]
26	Metering systems	Meters—mass flow	No.			-	[Select one]
27	SCADA and communications	Remote terminal units (RTU)	No.			-	[Select one]
28	SCADA and communications	Communications terminals	No.			-	[Select one]
29	Cathodic protection	Rectifier units	No.			-	[Select one]
30	Chromatographs	Chromatographs	No.			-	[Select one]
31							[Select one]

Schedule 9b Asset Age Profile

SCHEDULE 9b: ASSET AGE PROFILE		Company Name: <input type="text"/> For Year Ended: <input type="text"/>		Number of assets at disclosure year end by installation date																									No. with age unknown	Items as end of year (quantity)	No. with default dates	Data accuracy (1-4)			
				1960-1964	1965-1969	1970-1974	1975-1979	1980-1984	1985-1989	1990-1994	1995-1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016					2017		
7	Disclosure Year (year ended)	<input type="text"/>																																	
8	Asset category	Asset class	Units	pre-1960	1960-1964	1965-1969	1970-1974	1975-1979	1980-1984	1985-1989	1990-1994	1995-1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	No. with age unknown	Items as end of year (quantity)	No. with default dates	Data accuracy (1-4)	
9	Pipes	Protected steel pipes	km																															[Select one]	
10	Pipes	Special crossings	km																																[Select one]
11	Stations	Compressor stations	No.																																[Select one]
12	Stations	Offtake point	No.																																[Select one]
13	Stations	Scraper stations	No.																																[Select one]
14	Stations	Intake points	No.																																[Select one]
15	Stations	Metering stations	No.																																[Select one]
16	Compressors	Compressors—turbine driven	No.																																[Select one]
17	Compressors	Compressors—electric motor driven	No.																																[Select one]
18	Compressors	Compressors—reciprocating engine driven	No.																																[Select one]
19	Main-line valves	Main line valves manually operated	No.																																[Select one]
20	Main-line valves	Main line valves remotely operated	No.																																[Select one]
21	Heating systems	Gas-fired heaters	No.																																[Select one]
22	Heating systems	Electric heaters	No.																																[Select one]
23	Odosouration plants	Odosouration plants	No.																																[Select one]
24	Coolers	Coolers	No.																																[Select one]
25	Metering systems	Meters—ultrasonic	No.																																[Select one]
26	Metering systems	Meters—rotary	No.																																[Select one]
27	Metering systems	Meters turbine	No.																																[Select one]
28	Metering systems	Meters—mass flow	No.																																[Select one]
29	SCADA and communications	Remote terminal units (RTU)	No.																																[Select one]
30	SCADA and communications	Communications terminals	No.																																[Select one]
31	Cathodic protection	Rectifier units	No.																																[Select one]
32	Chromatographs	Chromatographs	No.																																[Select one]

Schedule 9c Report on Pipeline Data

Transmission system		System length (km) (at year end)	Weighted average pipe diameter (mm)	Max monthly quantity entering the system (TJ per month)	Max weekly quantity entering the system (TJ per week)	Total gas conveyed (TJ per year)	Gas conveyed for Persons not involved in the GTB (TJ per year)	Number of connection points
7	[Transmission system 1]							
8	[Transmission system 2]							
9	[Transmission system 3]							
10	[Transmission system 4]							
11	[Transmission system 5]							
12	[Transmission system 6]							
13	[Transmission system 6]							
14	Total							
Length by assigned location class (km)								
Secondary location class								
Common								
16	Sensitive Use (S)						Total (km) at year end *	Percentage of total
17	Industrial (I)							
18	Heavy Industrial (HI)							
19	Infrastructure Corridor (CIC)							
20	Submerged (W)							
21	Primary location class Rural (R1) land							
	Primary location class Rural Residential (R2) land							
	Primary location class Residential (T1) land							
	Primary location class High Density (T2) land							

* The total km is not the same as the sum of the secondary location classes as a pipeline section may only have a primary location class.

SCHEDULE 9c: REPORT ON PIPELINE DATA

This schedule requires a summary of the key characteristics of the pipeline network.

sch ref

Schedule 9d Report on Demand

Company Name <input style="width: 150px;" type="text"/>						
For Year Ended <input style="width: 150px;" type="text"/>						
SCHEDULE 9d: REPORT ON DEMAND						
<small>This schedule requires a summary of the key measures of network demand for the disclosure year (number of new connections including, maximum monthly loads and total gas conveyed)</small>						
sch ref						
7	9d(i): New Connections					
8			Number of new connections			
9	Connection types defined by GTB					
10	[GTB connection type]					
11	[GTB connection type]					
12	[GTB connection type]					
13	[GTB connection type]					
14	<small>* include additional rows if needed</small>					
15	Connections total		<input style="width: 100px;" type="text"/>			
16						
17	9d(ii): Gas Volumes and Connections					
18			Intake	Quantity of gas	Number of	
19	Connection types defined by GTB		volume (TJ)	delivered (TJ)	connection points	
20	[GTB connection type]					
21	[GTB connection type]					
22	[GTB connection type]					
23	<small>* include additional rows if needed</small>					
24	Total		<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	
25						
26	9d(iii): Gas conveyed					
27			(TJ)			
28	Intake volume (TJ)		<input style="width: 100px;" type="text"/>			
29	Quantity of gas delivered (TJ)		<input style="width: 100px;" type="text"/>			
30	Gas used in compressor stations (TJ)		<input style="width: 100px;" type="text"/>			
31	Gas used in heating systems (TJ)		<input style="width: 100px;" type="text"/>			
32	Change in line pack (TJ)		<input style="width: 100px;" type="text"/>			
33	Vented gas (TJ)		<input style="width: 100px;" type="text"/>			
34	Unaccounted for gas (TJ)		<input style="width: 100px;" type="text"/>			
35	Total gas conveyed (TJ)		<input style="width: 100px;" type="text"/>			
36						
37	9d(iv): Unaccounted for Gas					
38			Gas entering the	Unaccounted for	Unaccounted for	Intake
39	Transmission system		system (TJ)	gas (TJ)	gas (%)	volume (TJ)
40	[Transmission system 1]					
41	[Transmission system 2]					
42	[Transmission system 3]					
43	[Transmission system 4]					
44	[Transmission system 5]					
45	[Transmission system 6]					
46	Total		<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>
47					Interconnected	Interconnected intake
48					system intake (TJ)	systems (name)
49					<input style="width: 100px;" type="text"/>	<input style="width: 100px;" type="text"/>

Schedule 10a Report on Network Reliability and Interruptions

Company Name <input style="width: 150px;" type="text"/>																																																																			
For Year Ended <input style="width: 150px;" type="text"/>																																																																			
SCHEDULE 10a: REPORT ON NETWORK RELIABILITY AND INTERRUPTIONS																																																																			
This schedule requires a summary of the key measures of network reliability (interruptions, compressor availability) for the disclosure year. GTBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory Notes to Templates).																																																																			
sch ref																																																																			
7	10a(i): Interruptions and Reliability																																																																		
8																																																																			
9	Total number of planned interruptions <input style="width: 100px;" type="text"/>																																																																		
10	Service incidents and emergencies																																																																		
11	Number of incidents <input style="width: 100px;" type="text"/>																																																																		
12																																																																			
13	Unplanned interruptions in transmission systems																																																																		
14	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 60%;">Description and cause of Interruption</th> <th style="width: 20%;">Transmission systems affected</th> <th style="width: 10%;">Date</th> <th style="width: 10%;">Duration (hrs)</th> </tr> </thead> <tbody> <tr><td>[Description of interruption]</td><td></td><td></td><td></td></tr> <tr><td>[Description of interruption]</td><td></td><td></td><td></td></tr> <tr><td>[Description of interruption]</td><td></td><td></td><td></td></tr> <tr><td>[Description of interruption]</td><td></td><td></td><td></td></tr> <tr><td>[Description of interruption]</td><td></td><td></td><td></td></tr> <tr><td>[Description of interruption]</td><td></td><td></td><td></td></tr> <tr><td>[Description of interruption]</td><td></td><td></td><td></td></tr> <tr><td>[Description of interruption]</td><td></td><td></td><td></td></tr> </tbody> </table>	Description and cause of Interruption	Transmission systems affected	Date	Duration (hrs)	[Description of interruption]				[Description of interruption]				[Description of interruption]				[Description of interruption]				[Description of interruption]				[Description of interruption]				[Description of interruption]				[Description of interruption]																																	
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22																																																																			
23	<i>*Add rows as necessary</i>																																																																		
24	Number of interruption or curtailment events:																																																																		
25	due to insufficient capacity <input style="width: 50px;" type="text"/>																																																																		
26	due to consumer flows exceeding approved quantities <input style="width: 50px;" type="text"/>																																																																		
27	caused by equipment failure <input style="width: 50px;" type="text"/>																																																																		
28	caused by third parties <input style="width: 50px;" type="text"/>																																																																		
29	Total <input style="width: 50px;" type="text"/>																																																																		
30	10a(ii): Compressor Availability																																																																		
31																																																																			
32	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 35%;">Compressor station code/name</th> <th style="width: 10%;">Compressor unit ID</th> <th style="width: 15%;">Number of hours the compressor ran</th> <th style="width: 15%;">Number of hours compressor was available for service</th> <th style="width: 10%;">Number of instances where the compressor failed to start</th> <th style="width: 15%;">Number of instances where a compressor was required but unavailable for service</th> </tr> </thead> <tbody> <tr><td>[Compressor station name]</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>[Compressor station name]</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>[Compressor station name]</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>[Compressor station name]</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>[Compressor station name]</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>[Compressor station name]</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>[Compressor station name]</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>[Compressor station name]</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>[Compressor station name]</td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>[Compressor station name]</td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>	Compressor station code/name	Compressor unit ID	Number of hours the compressor ran	Number of hours compressor was available for service	Number of instances where the compressor failed to start	Number of instances where a compressor was required but unavailable for service	[Compressor station name]						[Compressor station name]						[Compressor station name]						[Compressor station name]						[Compressor station name]						[Compressor station name]						[Compressor station name]						[Compressor station name]						[Compressor station name]						[Compressor station name]					
Compressor station code/name	Compressor unit ID	Number of hours the compressor ran	Number of hours compressor was available for service	Number of instances where the compressor failed to start	Number of instances where a compressor was required but unavailable for service																																																														
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44	<i>*Add rows as necessary</i>																																																																		

Schedule 10b Report on Network Integrity

<p><i>Company Name</i></p> <p><i>For Year Ended</i></p>	
<p>SCHEDULE 10b: REPORT ON NETWORK INTEGRITY</p> <p>This schedule requires a summary of the key measures of network integrity (product control, gas escapes, RTEs) for the disclosure year.</p>	
<i>sch ref</i>	
7	Product control
8	Number of incidents relating to pressure
9	Number of incidents relating to gas specification
10	Number of incidents relating to odourisation
11	
12	Response time to emergencies (RTE)
13	Proportion of emergencies responded to within 3 hours (%)
14	Average call response time (hours)
15	Number of emergencies
16	
17	Gas leaks
18	Number of confirmed public reported gas escapes per system length (escapes/1000 km)
19	Number of confirmed gas leaks caused by a third party per system length (escapes/1000 km)
20	Number of gas leaks detected by the GTB
21	Number of gas leaks that did not result in disruption to supply

Schedule 11a Report on Forecast Capital Expenditure

		Company Name AMP Planning Period										
		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
7												
8												
9	11a(i): Expenditure on Assets Forecast											
10	Consumer connection											
11	System growth											
12	Asset replacement and renewal											
13	Asset relocations											
14	Reliability, safety and environment:											
15	Quality of supply											
16	Legislative and regulatory											
17	Other Reliability, Safety and Environment											
18	Total reliability, safety and environment											
19	Expenditure on network assets											
20	Expenditure on non-network assets											
21	Expenditure on assets											
22	plus											
23	Cost of financing											
24	less Value of capital contributions											
25	plus Value of vested assets											
26	Capital expenditure forecast											
27	Assets commissioned											
28												
29												
30												
31												
32												
33	Consumer connection											
34	System growth											
35	Asset replacement and renewal											
36	Asset relocations											
37	Reliability, safety and environment:											
38	Quality of supply											
39	Legislative and regulatory											
40	Other Reliability, Safety and Environment											
41	Total reliability, safety and environment											
42	Expenditure on network assets											
43	Expenditure on non-network assets											
44	Expenditure on assets											
45	Subcomponents of expenditure on assets (where known)											
46	Research and development											

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE
 This schedule provides a breakdown of forecast expenditure on assets for each financial year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. Also
 provide a commentary on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes).
 This information is not part of audited disclosure information.

47		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
48	Difference between nominal and constant price forecasts											
49	Consumer connection											
50	System growth											
51	Asset replacement and renewal											
52	Asset relocations											
53	Reliability, safety and environment:											
54	Quality of supply											
55	Legislative and regulatory											
56	Other Reliability, Safety and Environment											
57	Total reliability, safety and environment											
58	Expenditure on network assets											
59	Expenditure on non-network assets											
60	Expenditure on assets											
61												
62												
63												
64	11a(i): Consumer Connection											
65	Consumer types defined by GTR*											
66	[GTR consumer type]											
67	[GTR consumer type]											
68	[GTR consumer type]											
69	[GTR consumer type]											
70	[GTR consumer type]											
71	*Include additional rows if needed											
72	Consumer connection expenditure											
73	/less Capital contributions funding consumer connection											
74	Consumer connection less capital contributions											
75	11a(ii): System Growth											
76	Pipes											
77	Compression stations											
78	Other stations											
79	SCADA and communications											
80	Special crossings											
81	System growth expenditure											
82	/less Capital contributions funding system growth											
83	System growth less capital contributions											
84												
85												

86	11a (v): Asset Replacement and Renewal						
87							
88	Pipes						
89	Compressor stations						
90	Control stations						
91	SCADA and communications						
92	Special crossing ³						
93	Components of stations (where known)						
94	Mainline valves						
95	Flowing system						
96	Orientation plants						
97	Coalescers						
98	Metering system						
99	Cathodic protection						
100	Aeromonographs						
101	Asset replacement and renewal expenditure						
102	Less Capital contributions funding asset replacement and renewal						
103	Asset replacement and renewal less capital contributions						
104	11a (v): Asset Relocations						
105	Project or programme*						
106	Description of material project or programme ¹						
107	Description of material project or programme ¹						
108	Description of material project or programme ¹						
109	Description of material project or programme ¹						
110	Description of material project or programme ¹						
111	¹ Include additional rows if needed						
112	All other projects or programmes - asset relocations						
113	Asset relocations expenditure						
114	Less Capital contributions funding asset relocations						
115	Asset relocations less capital contributions						
116	11a (vi): Quality of Supply						
117	Project or programme*						
118	Description of material project or programme ¹						
119	Description of material project or programme ¹						
120	Description of material project or programme ¹						
121	Description of material project or programme ¹						
122	Description of material project or programme ¹						
123	¹ Include additional rows if needed						
124	All other projects or programmes - quality of supply						
125	Quality of supply expenditure						
126	Less Capital contributions funding quality of supply						
127	Quality of supply less capital contributions						
128							

		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
129	11a(vii): Legislative and Regulatory						
130	Project or programme*						
131	Description of material project or programme						
132	Description of material project or programme						
133	Description of material project or programme						
134	Description of material project or programme						
135	Description of material project or programme						
136	* Include additional rows if needed						
137	All other projects or programmes - legislative and regulatory						
138	Legislative and regulatory expenditure						
139	/es: Capital contributions funding legislative and regulatory						
140	Legislative and regulatory less capital contributions						
141							
142							
143							
144	11a(viii): Other Reliability, Safety and Environn						
145	Project or programme*						
146	Description of material project or programme						
147	Description of material project or programme						
148	Description of material project or programme						
149	Description of material project or programme						
150	* Include additional rows if needed						
151	All other projects or programmes - other reliability, safety and environment						
152	Other reliability, safety and environment total						
153	/es: Capital contributions funding other reliability, safety and environment						
154	Other reliability, safety and environment less capital contributions						
155							
156							
157							
158	11a(ix): Non-Network Assets						
159	Routine expenditure						
160	Project or programme*						
161	Description of material project or programme						
162	Description of material project or programme						
163	Description of material project or programme						
164	Description of material project or programme						
165	* Include additional rows if needed						
166	All other projects or programmes - routine expenditure						
167	Routine expenditure						
168	Atypical expenditure						
169	Project or programme*						
170	Description of material project or programme						
171	Description of material project or programme						
172	Description of material project or programme						
173	Description of material project or programme						
174	Description of material project or programme						
175	* Include additional rows if needed						
176	All other projects or programmes - atypical expenditure						
177	Atypical expenditure						
178	Expenditure on non-network assets						
179							

Schedule 11b Report on Forecast Operational Expenditure

		Company Name										
		AMP Planning Period										
Sub-Item	Description	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
		500 (in nominal dollars)										
7												
8												
9												
10	Operational Expenditure Forecast											
11	Service interruptions, incidents and emergencies											
12	Routine and corrective maintenance and inspection											
13	Asset replacement and renewal											
14	Compressor fuel											
15	Land management and associated activity											
16	Network opex											
17	System operations											
18	Network support											
19	Business support											
20	Non-network opex											
21	Operational expenditure											
22												
23												
24												
25												
26												
27												
28												
29												
30	Network opex											
31	System operations											
32	Network support											
33	Business support											
34	Non-network opex											
35	Operational expenditure											
36												
37	Subcomponents of operational expenditure (where known)											
38	Research and Development											
39	Insurance											
40												
41												
42												
43												
44												
45												
46												
47	Network opex											
48	System operations											
49	Network support											
50	Business support											
51	Non-network opex											
52	Operational expenditure											

SCHEDULE 11b: REPORT ON FORECAST OPERATIONAL EXPENDITURE

This schedule requires a breakdown of forecast operational expenditure for the disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. GTBs must provide explanatory comment on the difference between constant price and nominal dollar operational expenditure forecasts in Schedule 4a (Mandatory Explanatory Notes). This information is not part of audited disclosure information.

Schedule 12a Report on Asset Condition

		Company Name		AMP Planning Period						
<p>SCHEDULE 12a: REPORT ON ASSET CONDITION This schedule requires a breakdown of asset condition by asset class as at the start of the forecast year. The data accuracy assessment relates to the percentage values disclosed in the asset condition columns. Also required is a forecast of the percentage of units to be replaced in the next 5 years. All information should be consistent with the information provided in the AMP and the expenditure on assets forecast in Schedule 11a.</p>										
Asset condition at start of planning period (percentage of units by grade)										
sch ref	Asset category	Asset class	Units	Grade 1	Grade 2	Grade 3	Grade 4	Grade unknown	Data accuracy (1-4)	% of asset forecast to be replaced in next 5 years
7			km						[Select one]	
8	Pipes	Protected steel pipes	km						[Select one]	
9	Pipes	Special crossings	km						[Select one]	
10	Stations	Compressor stations	No.						[Select one]	
11	Stations	Offtake point	No.						[Select one]	
12	Stations	Scraper stations	No.						[Select one]	
13	Stations	Intake points	No.						[Select one]	
14	Stations	Metering stations	No.						[Select one]	
15	Compressors	Compressors—turbine driven	No.						[Select one]	
16	Compressors	Compressors—electric motor driven	No.						[Select one]	
17	Compressors	Compressors—reciprocating engine driven	No.						[Select one]	
18	Main-line valves	Main line valves manually operated	No.						[Select one]	
19	Main-line valves	Main line valves remotely operated	No.						[Select one]	
20	Heating systems	Gas-fired heaters	No.						[Select one]	
21	Heating systems	Electric heaters	No.						[Select one]	
22	Odourisation plants	Odourisation plants	No.						[Select one]	
23	Coalescers	Coalescers	No.						[Select one]	
24	Metering systems	Meters—ultrasonic	No.						[Select one]	
25	Metering systems	Meters—rotary	No.						[Select one]	
26	Metering systems	Meters turbine	No.						[Select one]	
27	Metering systems	Meters—mass flow	No.						[Select one]	
28	SCADA and communications	Remote terminal units (RTU)	No.						[Select one]	
29	SCADA and communications	Communications terminals	No.						[Select one]	
30	Cathodic protection	Rectifier units	No.						[Select one]	
31	Chromatographs	Chromatographs	No.						[Select one]	
32			No.						[Select one]	

Schedule 12b Report on Forecast Demand

	Company Name						
	AMP Planning Period						
SCHEDULE 12b: REPORT ON FORECAST DEMAND							
This Schedule requires a forecast of new connections (by consumer type) and gas delivered for the current disclosure year and a 5 year planning period. The forecasts should be consistent with the supporting information set out in the AMP and the assumptions used in developing the capital expenditure forecast in Schedule S11a (and 11b)							
<i>sch_ref</i>							
7	12b(i): Connections						CY+5
8							CY+4
9							CY+3
10							CY+2
11							CY+1
12							Current Year CY
13	Connection types defined by GTB						
14	[GTB connection type]						
15	[GTB connection type]						
16	[GTB connection type]						
17	[GTB connection type]						
18	* include additional rows if needed						
19	Connections total						
20							
21	12b(ii): Gas conveyed						CY+5
22							CY+4
23							CY+3
24							CY+2
25							CY+1
26							Current Year CY
27							
28	Intake volume (TJ)						
29	Quantity of gas delivered (TJ)						
30	Gas used in compressor stations (TJ)						
31	Gas used in heating systems (TJ)						
32	Total gas conveyed (TJ)						

Schedule 13 Report on Asset Management Maturity

1. When required to complete the Report on Asset Management Maturity under clause 2.6.1, each GTB must

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1.1.1 ~~complete the AMMAT Report. The GTB must~~ ensure that the person responsible for managing network assets (or a similar level individual) in the organisation takes responsibility for completing and maintaining this report ~~AMMAT~~, including-

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1.1.1.1 Organising people within the organisation to answer the questions;

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1.1.1.2 Arranging for all information to be captured in the Report on Asset Management Maturity within the AMMAT;

1.1.1.3 Reporting to the organisation on the results of the assessment;

1.1.1.4 Planning the assessment process, including-

1.4.1(a) ~~D~~etermining the form the assessment process is to take. In this context, the principal formats are generally taken to be interviews, facilitated groups/panels or a combination of the two;

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1.4.2(b) ~~A~~rranging for appropriate outsourced service providers and stakeholders to act as respondents during the assessment exercise;

1.4.3(c) ~~P~~roviding appropriate pre-assessment communication (and training where appropriate) to ensure that, as a minimum, the proposed respondents are aware of the ~~AMMAT~~ process and the part within it that they are being asked to play;

1.4.4(d) ~~I~~dentifying which questions are to be asked of which respondents.

2.1.2 ~~Each GTB must~~ specify in the ~~AMMAT~~ Report on Asset Management Maturity the standard of asset management practice that the GTB has used as the reference standard.

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3.1.3 ~~fill out the~~ Cells in the following columns in the ~~AMMAT~~ Report on Asset Management Maturity set out below ~~must be filled out~~

3.1.3.1 'User guidance': guidance (if required) on completing each question of the ~~report~~ AMMAT.

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This column can be used by the person responsible for completing and maintaining the Report on Asset Management Maturity to provide guidance to the persons coordinating responses to each question.

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3.21.3.2 'Evidence—Summary': the information/evidence used to support the assessed rating.

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The cells in this column should be completed by persons coordinating responses to each question.

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3.21.3.3 'Score': the appropriate maturity rating (this must be a whole number between 0 and 4).

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To meet Report on Asset Management Maturity level 4 maturity, the GTB's processes must surpass the standards that must be complied with in an internationally accepted asset management specification. The Report on Asset Management Maturity questionnaire has been prepared to conform to the PAS 55 specification. However, a similar specification, if available, may be used for the purpose of disclosure.

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2. When disclosing the Report on Asset Management Maturity in the AMP, a GTB must include at least the following columns-

2.1 'Question No';

2.2 'Function';

2.3 'Question';

2.4 'Score';

2.5 'Evidence—Summary';

2.6 'Why';

2.7 'Who';

2.8 'Record/documented Information'; and

2.9 a maturity level column which includes, for each row, the corresponding definition of the maturity level 'score' selected for each 'question'.

—Guidance notes on completing the Report on Asset Management Maturity

3.

3.4

~~3.5~~ Part of the value of a formal asset management system is the definition and standardisation of terms. A common understanding of terms helps interested persons to understand the asset management concepts and processes that apply to the GTB. In particular, it helps the GTB's employees and suppliers to understand and improve asset management concepts and processes.

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~~3.1~~

~~3.6~~ The reportAMMAT will not provide an effective assessment of the maturity of the GTBsupplier's asset management capability and processes unless the preparation of the reportAMMAT is supported by senior management of the GTB.

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~~3.2~~

~~3.7~~ The level of effort required to complete the reportAMMAT should be consistent with a gap analysis exercise rather than the level typically involved with an audit for certification.

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~~3.3~~

~~3.8~~ An audit involves a systematic, independent process for the collection and analysis of evidence to support a rating whereas the reportAMMAT is intended to be used by providing a reference to supporting evidence or an explanation of the self-assessment.

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~~3.4~~

~~3.9~~ The level of documentation within an asset management system is expected to be consistent with factors such as the size of the company, complexity of processes and competence of personnel.

~~3.5~~

~~3.10~~~~3.6~~ The definitions provided in the reportAMMAT for each maturity rating should provide sufficient information for a GTB to objectively identify the level currently being achieved by the organisation.

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<p>SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY</p> <p><small>This schedule requires information on the GTB's self-assessment of the maturity of its asset management practices .</small></p>								
Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/document Information
3	Asset management policy	To what extent has an asset management policy been documented, authorised and communicated?				Widely used AM practice standards require an organisation to document, authorise and communicate its asset management policy (eg, as required in PAS 55 para 4.2 i). A key pre-requisite of any robust policy is that the organisation's top management must be seen to endorse and fully support it. Also vital to the effective implementation of the policy, is to tell the appropriate people of its content and their obligations under it. Where an organisation outsources some of its asset-related activities, then these people and their organisations must equally be made aware of the policy's content. Also, there may be other stakeholders, such as regulatory authorities and shareholders who should be made aware of it.	Top management. The management team that has overall responsibility for asset management.	The organisation's asset management policy, its organisational strategic plan, documents indicating how the asset management policy was based upon the needs of the organisation and evidence of communication.
10	Asset management strategy	What has the organisation done to ensure that its asset management strategy is consistent with other appropriate organisational policies and strategies, and the needs of stakeholders?				In setting an organisation's asset management strategy, it is important that it is consistent with any other policies and strategies that the organisation has and has taken into account the requirements of relevant stakeholders. This question examines to what extent the asset management strategy is consistent with other organisational policies and strategies (eg, as required by PAS 55 para 4.3.1 b) and has taken account of stakeholder requirements as required by PAS 55 para 4.3.1 c). Generally, this will take into account the same policies, strategies and stakeholder requirements as covered in drafting the asset management policy but at a greater level of detail.	Top management. The organisation's strategic planning team. The management team that has overall responsibility for asset management.	The organisation's asset management strategy document and other related organisational policies and strategies. Other than the organisation's strategic plan, these could include those relating to health and safety, environmental, etc. Results of stakeholder consultation.
11	Asset management strategy	In what way does the organisation's asset management strategy take account of the lifecycle of the assets, asset types and asset systems over which the organisation has stewardship?				Good asset stewardship is the hallmark of an organisation compliant with widely used AM standards. A key component of this is the need to take account of the lifecycle of the assets, asset types and asset systems. (For example, this requirement is recognised in 4.3.1 d) of PAS 55). This question explores what an organisation has done to take lifecycle into account in its asset management strategy.	Top management. People in the organisation with expert knowledge of the assets, asset types, asset systems and their associated life-cycles. The management team that has overall responsibility for asset management. Those responsible for developing and adopting methods and processes used in asset management	The organisation's documented asset management strategy and supporting working documents.
26	Asset management plan(s)	How does the organisation establish and document its asset management plan(s) across the life cycle activities of its assets and asset systems?				The asset management strategy need to be translated into practical plan(s) so that all parties know how the objectives will be achieved. The development of plan(s) will need to identify the specific tasks and activities required to optimize costs, risks and performance of the assets and/or asset system(s), when they are to be carried out and the resources required.	The management team with overall responsibility for the asset management system. Operations, maintenance and engineering managers.	The organisation's asset management plan(s).

<p style="text-align: right;">Company Name _____ AMP Planning Period _____ Asset Management Standard Applied _____</p>							
<p>SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)</p>							
Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
3	Asset management policy	To what extent has an asset management policy been documented, authorised and communicated?	The organisation does not have a documented asset management policy.	The organisation has an asset management policy, but it has not been authorised by top management, or it is not influencing the management of the assets.	The organisation has an asset management policy, which has been authorised by top management, but it has had limited circulation. It may be in use to influence development of strategy and planning but its effect is limited.	The asset management policy is authorised by top management, is widely and effectively communicated to all relevant employees and stakeholders, and used to make these persons aware of their asset related obligations.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
10	Asset management strategy	What has the organisation done to ensure that its asset management strategy is consistent with other appropriate organisational policies and strategies, and the needs of stakeholders?	The organisation has not considered the need to ensure that its asset management strategy is appropriately aligned with the organisation's other organisational policies and strategies or with stakeholder requirements. OR The organisation does not have an asset management strategy.	The need to align the asset management strategy with other organisational policies and strategies as well as stakeholder requirements is understood and work has started to identify the linkages or to incorporate them in the drafting of asset management strategy.	Some of the linkages between the long-term asset management strategy and other organisational policies, strategies and stakeholder requirements are defined but the work is fairly well advanced but still incomplete.	All linkages are in place and evidence is available to demonstrate that, where appropriate, the organisation's asset management strategy is consistent with its other organisational policies and strategies. The organisation has also identified and considered the requirements of relevant stakeholders.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
11	Asset management strategy	In what way does the organisation's asset management strategy take account of the lifecycle of the assets, asset types and asset systems over which the organisation has stewardship?	The organisation has not considered the need to ensure that its asset management strategy is produced with due regard to the lifecycle of the assets, asset types or asset systems that it manages. OR The organisation does not have an asset management strategy.	The need is understood, and the organisation is drafting its asset management strategy to address the lifecycle of its assets, asset types and asset systems.	The long-term asset management strategy takes account of the lifecycle of some, but not all, of its assets, asset types and asset systems.	The asset management strategy takes account of the lifecycle of all of its assets, asset types and asset systems.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
26	Asset management plan(s)	How does the organisation establish and document its asset management plan(s) across the life cycle activities of its assets and asset systems?	The organisation does not have an identifiable asset management plan(s) covering asset systems and critical assets.	The organisation has asset management plan(s) but they are not aligned with the asset management strategy and objectives and do not take into consideration the full asset life cycle (including asset creation, acquisition, enhancement, utilisation, maintenance decommissioning and disposal).	The organisation is in the process of putting in place comprehensive, documented asset management plan(s) that cover all life cycle activities, clearly aligned to asset management objectives and the asset management strategy.	Asset management plan(s) are established, documented, implemented and maintained for asset systems and critical assets to achieve the asset management strategy and asset management objectives across all life cycle phases.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)						Company Name	AMP Planning Period	Asset Management Standard Applied
Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/document Information
27	Asset management plan(s)	How has the organisation communicated its plan(s) to all relevant parties to a level of detail appropriate to the receiver's role in their delivery?				Plans will be ineffective unless they are communicated to all those, including contracted suppliers and those who undertake enabling function(s). The plan(s) need to be communicated in a way that is relevant to those who need to use them.	The management team with overall responsibility for the asset management system. Delivery functions and suppliers.	Distribution lists for plan(s). Documents derived from plan(s) which detail the receivers role in plan delivery. Evidence of communication.
29	Asset management plan(s)	How are designated responsibilities for delivery of asset plan actions documented?				The implementation of asset management plan(s) relies on (1) actions being clearly identified, (2) an owner allocated and (3) that owner having sufficient delegated responsibility and authority to carry out the work required. It also requires alignment of actions across the organisation. This question explores how well the plan(s) set out responsibility for delivery of asset plan actions.	The management team with overall responsibility for the asset management system. Operations, maintenance and engineering managers. If appropriate, the performance management team.	The organisation's asset management plan(s). Documentation defining roles and responsibilities of individuals and organisational departments.
31	Asset management plan(s)	What has the organisation done to ensure that appropriate arrangements are made available for the efficient and cost effective implementation of the plan(s)? (Note this is about resources and enabling support)				It is essential that the plan(s) are realistic and can be implemented, which requires appropriate resources to be available and enabling mechanisms in place. This question explores how well this is achieved. The plan(s) not only need to consider the resources directly required and timescales, but also the enabling activities, including for example, training requirements, supply chain capability and procurement timescales.	The management team with overall responsibility for the asset management system. Operations, maintenance and engineering managers. If appropriate, the performance management team. Where appropriate the procurement team and service providers working on the organisation's asset-related activities.	The organisation's asset management plan(s). Documented processes and procedures for the delivery of the asset management plan.
33	Contingency planning	What plan(s) and procedure(s) does the organisation have for identifying and responding to incidents and emergency situations and ensuring continuity of critical asset management activities?				Widely used AM practice standards require that an organisation has plan(s) to identify and respond to emergency situations. Emergency plan(s) should outline the actions to be taken to respond to specified emergency situations and ensure continuity of critical asset management activities including the communication to, and involvement of, external agencies. This question assesses if, and how well, these plan(s) triggered, implemented and resolved in the event of an incident. The plan(s) should be appropriate to the level of risk as determined by the organisation's risk assessment methodology. It is also a requirement that relevant personnel are competent and trained.	The manager with responsibility for developing emergency plan(s). The organisation's risk assessment team. People with designated duties within the plan(s) and procedure(s) for dealing with incidents and emergency situations.	The organisation's plan(s) and procedure(s) for dealing with emergencies. The organisation's risk assessments and risk registers.

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)							Company Name
							AMP Planning Period
							Asset Management Standard Applied
Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
27	Asset management plan(s)	How has the organisation communicated its plan(s) to all relevant parties to a level of detail appropriate to the receiver's role in their delivery?	The organisation does not have plan(s) or their distribution is limited to the authors.	The plan(s) are communicated to some of those responsible for delivery of the plan(s). OR Communicated to those responsible for delivery is either irregular or ad-hoc.	The plan(s) are communicated to most of those responsible for delivery but there are weaknesses in identifying relevant parties resulting in incomplete or inappropriate communication. The organisation recognises improvement is needed as is working towards resolution.	The plan(s) are communicated to all relevant employees, stakeholders and contracted service providers to a level of detail appropriate to their participation or business interests in the delivery of the plan(s) and there is confirmation that they are being used effectively.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
29	Asset management plan(s)	How are designated responsibilities for delivery of asset plan actions documented?	The organisation has not documented responsibilities for delivery of asset plan actions.	Asset management plan(s) inconsistently document responsibilities for delivery of plan actions and activities and/or responsibilities and authorities for implementation inadequate and/or delegation level inadequate to ensure effective delivery and/or contain misalignments with organisational accountability.	Asset management plan(s) consistently document responsibilities for the delivery of actions but responsibility/authority levels are inappropriate/ inadequate, and/or there are misalignments within the organisation.	Asset management plan(s) consistently document responsibilities for the delivery actions and there is adequate detail to enable delivery of actions. Designated responsibility and authority for achievement of asset plan actions is appropriate.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
31	Asset management plan(s)	What has the organisation done to ensure that appropriate arrangements are made available for the efficient and cost effective implementation of the plan(s)? (Note this is about resources and enabling support)	The organisation has not considered the arrangements needed for the effective implementation of plan(s).	The organisation recognises the need to ensure appropriate arrangements are in place for implementation of asset management plan(s) and is in the process of determining an appropriate approach for achieving this.	The organisation has arrangements in place for the implementation of asset management plan(s) but the arrangements are not yet adequately efficient and/or effective. The organisation is working to resolve existing weaknesses.	The organisation's arrangements fully cover all the requirements for the efficient and cost effective implementation of asset management plan(s) and realistically address the resources and timescales required, and any changes needed to functional policies, standards, processes and the asset management information system.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
33	Contingency planning	What plan(s) and procedure(s) does the organisation have for identifying and responding to incidents and emergency situations and ensuring continuity of critical asset management activities?	The organisation has not considered the need to establish plan(s) and procedure(s) to identify and respond to incidents and emergency situations.	The organisation has some ad-hoc arrangements to deal with incidents and emergency situations, but these have been developed on a reactive basis in response to specific events that have occurred in the past.	Most credible incidents and emergency situations are identified. Either appropriate plan(s) and procedure(s) are incomplete for critical activities or they are inadequate. Training/ external alignment may be incomplete.	Appropriate emergency plan(s) and procedure(s) are in place to respond to credible incidents and manage continuity of critical asset management activities consistent with policies and asset management objectives. Training and external agency alignment is in place.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont) <table style="float: right; border-collapse: collapse;"> <tr> <td style="border: none;">Company Name</td> <td style="border: none;">_____</td> </tr> <tr> <td style="border: none;">AMP Planning Period</td> <td style="border: none;">_____</td> </tr> <tr> <td style="border: none;">Asset Management Standard Applied</td> <td style="border: none;">_____</td> </tr> </table>								Company Name	_____	AMP Planning Period	_____	Asset Management Standard Applied	_____
Company Name	_____												
AMP Planning Period	_____												
Asset Management Standard Applied	_____												
Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/document Information					
37	Structure, authority and responsibilities	What has the organisation done to appoint member(s) of its management team to be responsible for ensuring that the organisation's assets deliver the requirements of the asset management strategy, objectives and plan(s)?				In order to ensure that the organisation's assets and asset systems deliver the requirements of the asset management policy, strategy and objectives responsibilities need to be allocated to appropriate people who have the necessary authority to fulfill their responsibilities. (This question, relates to the organisation's assets eg, para b), s 4.4.1 of PAS 55, making it therefore distinct from the requirement contained in para a), s 4.4.1 of PAS 55).	Top management. People with management responsibility for the delivery of asset management policy, strategy, objectives and plan(s). People working on asset-related activities.	Evidence that managers with responsibility for the delivery of asset management policy, strategy, objectives and plan(s) have been appointed and have assumed their responsibilities. Evidence may include the organisation's documents relating to its asset management system, organisational charts, job descriptions of post-holders, annual targets/objectives and personal development plan(s) of post-holders as appropriate.					
40	Structure, authority and responsibilities	What evidence can the organisation's top management provide to demonstrate that sufficient resources are available for asset management?				Optimal asset management requires top management to ensure sufficient resources are available. In this context the term 'resources' includes manpower, materials, funding and service provider support.	Top management. The management team that has overall responsibility for asset management. Risk management team. The organisation's managers involved in day-to-day supervision of asset-related activities, such as frontline managers, engineers, foremen and chargehands as appropriate.	Evidence demonstrating that asset management plan(s) and/or the process(es) for asset management plan implementation consider the provision of adequate resources in both the short and long term. Resources include funding, materials, equipment, services provided by third parties and personnel (internal and service providers) with appropriate skills competencies and knowledge.					
42	Structure, authority and responsibilities	To what degree does the organisation's top management communicate the importance of meeting its asset management requirements?				Widely used AM practice standards require an organisation to communicate the importance of meeting its asset management requirements such that personnel fully understand, take ownership of, and are fully engaged in the delivery of the asset management requirements (eg, PAS 55 s 4.4.1 g).	Top management. The management team that has overall responsibility for asset management. People involved in the delivery of the asset management requirements.	Evidence of such activities as road shows, written bulletins, workshops, team talks and management walkabouts would assist an organisation to demonstrate it is meeting this requirement of PAS 55.					
45	Outsourcing of asset management activities	Where the organisation has outsourced some of its asset management activities, how has it ensured that appropriate controls are in place to ensure the compliant delivery of its organisational strategic plan, and its asset management policy and strategy?				Where an organisation chooses to outsource some of its asset management activities, the organisation must ensure that these outsourced process(es) are under appropriate control to ensure that all the requirements of widely used AM standards (eg, PAS 55) are in place, and the asset management policy, strategy objectives and plan(s) are delivered. This includes ensuring capabilities and resources across a time span aligned to life cycle management. The organisation must put arrangements in place to control the outsourced activities, whether it be to external providers or to other in-house departments. This question explores what the organisation does in this regard.	Top management. The management team that has overall responsibility for asset management. The manager(s) responsible for the monitoring and management of the outsourced activities. People involved with the procurement of outsourced activities. The people within the organisations that are performing the outsourced activities. The people impacted by the outsourced activity.	The organisation's arrangements that detail the compliance required of the outsourced activities. For example, this could form part of a contract or service level agreement between the organisation and the suppliers of its outsourced activities. Evidence that the organisation has demonstrated to itself that it has assurance of compliance of outsourced activities.					

Company Name							
AMP Planning Period							
Asset Management Standard Applied							
SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)							
Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
37	Structure, authority and responsibilities	What has the organisation done to appoint member(s) of its management team to be responsible for ensuring that the organisation's assets deliver the requirements of the asset management strategy, objectives and plan(s)?	Top management has not considered the need to appoint a person or persons to ensure that the organisation's assets deliver the requirements of the asset management strategy, objectives and plan(s).	Top management understands the need to appoint a person or persons to ensure that the organisation's assets deliver the requirements of the asset management strategy, objectives and plan(s).	Top management has appointed an appropriate person to ensure the assets deliver the requirements of the asset management strategy, objectives and plan(s) but their areas of responsibility are not fully defined and/or they have insufficient delegated authority to fully execute their responsibilities.	The appointed person or persons have full responsibility for ensuring that the organisation's assets deliver the requirements of the asset management strategy, objectives and plan(s). They have been given the necessary authority to achieve this.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
40	Structure, authority and responsibilities	What evidence can the organisation's top management provide to demonstrate that sufficient resources are available for asset management?	The organisation's top management has not considered the resources required to deliver asset management.	The organisation's top management understands the need for sufficient resources but there are no effective mechanisms in place to ensure this is the case.	A process exists for determining what resources are required for its asset management activities and in most cases these are available but in some instances resources remain insufficient.	An effective process exists for determining the resources needed for asset management and sufficient resources are available. It can be demonstrated that resources are matched to asset management requirements.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
42	Structure, authority and responsibilities	To what degree does the organisation's top management communicate the importance of meeting its asset management requirements?	The organisation's top management has not considered the need to communicate the importance of meeting asset management requirements.	The organisation's top management understands the need to communicate the importance of meeting its asset management requirements but does not do so.	Top management communicates the importance of meeting its asset management requirements but only to parts of the organisation.	Top management communicates the importance of meeting its asset management requirements to all relevant parts of the organisation.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
45	Outsourcing of asset management activities	Where the organisation has outsourced some of its asset management activities, how has it ensured that appropriate controls are in place to ensure the compliant delivery of its organisational strategic plan, and its asset management policy and strategy?	The organisation has not considered the need to put controls in place.	The organisation controls its outsourced activities on an ad-hoc basis, with little regard for ensuring for the compliant delivery of the organisational strategic plan and/or its asset management policy and strategy.	Controls systematically considered but currently only provide for the compliant delivery of some, but not all, aspects of the organisational strategic plan and/or its asset management policy and strategy. Gaps exist.	Evidence exists to demonstrate that outsourced activities are appropriately controlled to provide for the compliant delivery of the organisational strategic plan, asset management policy and strategy, and that these controls are integrated into the asset management system.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)						
						Company Name
						AMP Planning Period
						Asset Management Standard Applied
Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Record/document Information
48	Training, awareness and competence	How does the organisation develop plan(s) for the human resources required to undertake asset management activities - including the development and delivery of asset management strategy, process(es), objectives and plan(s)?				<p>Why</p> <p>There is a need for an organisation to demonstrate that it has considered what resources are required to develop and implement its asset management system. There is also a need for the organisation to demonstrate that it has assessed what development plan(s) are required to provide its human resources with the skills and competencies to develop and implement its asset management systems. The timescales over which the plan(s) are relevant should be commensurate with the planning horizons within the asset management strategy considers e.g. if the asset management strategy considers 5, 10 and 15 year time scales then the human resources development plan(s) should align with these. Resources include both 'in house' and external resources who undertake asset management activities.</p> <p>Who</p> <p>Senior management responsible for agreement of plan(s). Managers responsible for developing asset management strategy and plan(s). Managers with responsibility for development and recruitment of staff (including HR functions). Staff responsible for training. Procurement officers. Contracted service providers.</p>
49	Training, awareness and competence	How does the organisation identify competency requirements and then plan, provide and record the training necessary to achieve the competencies?				<p>Why</p> <p>Widely used AM standards require that organisations to undertake a systematic identification of the asset management awareness and competencies required at each level and function within the organisation. Once identified the training required to provide the necessary competencies should be planned for delivery in a timely and systematic way. Any training provided must be recorded and maintained in a suitable format. Where an organisation has contracted service providers in place then it should have a means to demonstrate that this requirement is being met for their employees. (eg, PAS 55 refers to frameworks suitable for identifying competency requirements).</p> <p>Who</p> <p>Senior management responsible for agreement of plan(s). Managers responsible for developing asset management strategy and plan(s). Managers with responsibility for development and recruitment of staff (including HR functions). Staff responsible for training. Procurement officers. Contracted service providers.</p>
50	Training, awareness and competence	How does the organization ensure that persons under its direct control undertaking asset management related activities have an appropriate level of competence in terms of education, training or experience?				<p>Why</p> <p>A critical success factor for the effective development and implementation of an asset management system is the competence of persons undertaking these activities. organisations should have effective means in place for ensuring the competence of employees to carry out their designated asset management function(s). Where an organisation has contracted service providers undertaking elements of its asset management system then the organisation shall assure itself that the outsourced service provider also has suitable arrangements in place to manage the competencies of its employees. The organisation should ensure that the individual and corporate competencies it requires are in place and actively monitor, develop and maintain an appropriate balance of these competencies.</p> <p>Who</p> <p>Managers, supervisors, persons responsible for developing training programmes. Staff responsible for procurement and service agreements. HR staff and those responsible for recruitment.</p>

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)							Company Name
							AMP Planning Period
							Asset Management Standard Applied
Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
48	Training, awareness and competence	How does the organisation develop plan(s) for the human resources required to undertake asset management activities - including the development and delivery of asset management strategy, process(es), objectives and plan(s)?	The organisation has not recognised the need for assessing human resources requirements to develop and implement its asset management system.	The organisation has recognised the need to assess its human resources requirements and to develop a plan(s). There is limited recognition of the need to align these with the development and implementation of its asset management system.	The organisation has developed a strategic approach to aligning competencies and human resources to the asset management system including the asset management plan but the work is incomplete or has not been consistently implemented.	The organisation can demonstrate that plan(s) are in place and effective in matching competencies and capabilities to the asset management system including the plan for both internal and contracted activities. Plans are reviewed integral to asset management system process(es).	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
49	Training, awareness and competence	How does the organisation identify competency requirements and then plan, provide and record the training necessary to achieve the competencies?	The organisation does not have any means in place to identify competency requirements.	The organisation has recognised the need to identify competency requirements and then plan, provide and record the training necessary to achieve the competencies.	The organisation is the process of identifying competency requirements aligned to the asset management plan(s) and then plan, provide and record appropriate training. It is incomplete or inconsistently applied.	Competency requirements are in place and aligned with asset management plan(s). Plans are in place and effective in providing the training necessary to achieve the competencies. A structured means of recording the competencies achieved is in place.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
50	Training, awareness and competence	How does the organization ensure that persons under its direct control undertaking asset management related activities have an appropriate level of competence in terms of education, training or experience?	The organization has not recognised the need to assess the competence of person(s) undertaking asset management related activities.	Competency of staff undertaking asset management related activities is not managed or assessed in a structured way, other than formal requirements for legal compliance and safety management.	The organization is in the process of putting in place a means for assessing the competence of person(s) involved in asset management activities including contractors. There are gaps and inconsistencies.	Competency requirements are identified and assessed for all persons carrying out asset management related activities - internal and contracted. Requirements are reviewed and staff reassessed at appropriate intervals aligned to asset management requirements.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)								
							Company Name	
							AMP Planning Period	
							Asset Management Standard Applied	
Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/documented Information
53	Communication, participation and consultation	How does the organisation ensure that pertinent asset management information is effectively communicated to and from employees and other stakeholders, including contracted service providers?				Widely used AM practice standards require that pertinent asset management information is effectively communicated to and from employees and other stakeholders including contracted service providers. Pertinent information refers to information required in order to effectively and efficiently comply with and deliver asset management strategy, plan(s) and objectives. This will include for example the communication of the asset management policy, asset performance information, and planning information as appropriate to contractors.	Top management and senior management representative(s), employee's representative(s), employee's trade union representative(s); contracted service provider management and employee representative(s); representative(s) from the organisation's Health, Safety and Environmental team. Key stakeholder representative(s).	Asset management policy statement prominently displayed on notice boards, intranet and internet; use of organisation's website for displaying asset performance data; evidence of formal briefings to employees, stakeholders and contracted service providers; evidence of inclusion of asset management issues in team meetings and contracted service provider contract meetings; newsletters, etc.
59	Asset Management System documentation	What documentation has the organisation established to describe the main elements of its asset management system and interactions between them?				Widely used AM practice standards require an organisation maintain up to date documentation that ensures that its asset management systems (ie, the systems the organisation has in place to meet the standards) can be understood, communicated and operated. (eg, s 4.5 of PAS 55 requires the maintenance of up to date documentation of the asset management system requirements specified throughout s 4 of PAS 55).	The management team that has overall responsibility for asset management. Managers engaged in asset management activities.	The documented information describing the main elements of the asset management system (process(es)) and their interaction.
62	Information management	What has the organisation done to determine what its asset management information system(s) should contain in order to support its asset management system?				Effective asset management requires appropriate information to be available. Widely used AM standards therefore require the organisation to identify the asset management information it requires in order to support its asset management system. Some of the information required may be held by suppliers. The maintenance and development of asset management information systems is a poorly understood specialist activity that is akin to IT management but different from IT management. This group of questions provides some indications as to whether the capability is available and applied. Note: To be effective, an asset information management system requires the mobilisation of technology, people and process(es) that create, secure, make available and destroy the information required to support the asset management system.	The organisation's strategic planning team. The management team that has overall responsibility for asset management. Information management team. Operations, maintenance and engineering managers	Details of the process the organisation has employed to determine what its asset information system should contain in order to support its asset management system. Evidence that this has been effectively implemented.
63	Information management	How does the organisation maintain its asset management information system(s) and ensure that the data held within it (them) is of the requisite quality and accuracy and is consistent?				The response to the questions is progressive. A higher scale cannot be awarded without achieving the requirements of the lower scale. This question explores how the organisation ensures that information management meets widely used AM practice requirements (eg, s 4.4.6 (a), (c) and (d) of PAS 55).	The management team that has overall responsibility for asset management. Users of the organisational information systems.	The asset management information system, together with the policies, procedure(s), improvement initiatives and audits regarding information controls.

<div style="text-align: right;"> Company Name _____ AMP Planning Period _____ Asset Management Standard Applied _____ </div>							
SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)							
Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
53	Communication, participation and consultation	How does the organisation ensure that pertinent asset management information is effectively communicated to and from employees and other stakeholders, including contracted service providers?	The organisation has not recognised the need to formally communicate any asset management information.	There is evidence that the pertinent asset management information to be shared along with those to share it with is being determined.	The organisation has determined pertinent information and relevant parties. Some effective two way communication is in place but as yet not all relevant parties are clear on their roles and responsibilities with respect to asset management information.	Two way communication is in place between all relevant parties, ensuring that information is effectively communicated to match the requirements of asset management strategy, plan(s) and process(es). Pertinent asset information requirements are regularly reviewed.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
59	Asset Management System documentation	What documentation has the organisation established to describe the main elements of its asset management system and interactions between them?	The organisation has not established documentation that describes the main elements of the asset management system.	The organisation is aware of the need to put documentation in place and is in the process of determining how to document the main elements of its asset management system.	The organisation is in the process of documenting its asset management system and has documentation in place that describes some, but not all, of the main elements of its asset management system and their interaction.	The organisation has established documentation that comprehensively describes all the main elements of its asset management system and the interactions between them. The documentation is kept up to date.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
62	Information management	What has the organisation done to determine what its asset management information system(s) should contain in order to support its asset management system?	The organisation has not considered what asset management information is required.	The organisation is aware of the need to determine in a structured manner what its asset information system should contain in order to support its asset management system and is in the process of deciding how to do this.	The organisation has developed a structured process to determine what its asset information system should contain in order to support its asset management system and has commenced implementation of the process.	The organisation has determined what its asset information system should contain in order to support its asset management system. The requirements relate to the whole life cycle and cover information originating from both internal and external sources.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
63	Information management	How does the organisation maintain its asset management information system(s) and ensure that the data held within it (them) is of the requisite quality and accuracy and is consistent?	There are no formal controls in place or controls are extremely limited in scope and/or effectiveness.	The organisation is aware of the need for effective controls and is in the process of developing an appropriate control process(es).	The organisation has developed a controls that will ensure the data held is of the requisite quality and accuracy and is consistent and is in the process of implementing them.	The organisation has effective controls in place that ensure the data held is of the requisite quality and accuracy and is consistent. The controls are regularly reviewed and improved where necessary.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont) <table style="float: right; border: none;"> <tr> <td style="border: none;">Company Name</td> <td style="border: none;">_____</td> </tr> <tr> <td style="border: none;">AMP Planning Period</td> <td style="border: none;">_____</td> </tr> <tr> <td style="border: none;">Asset Management Standard Applied</td> <td style="border: none;">_____</td> </tr> </table>								Company Name	_____	AMP Planning Period	_____	Asset Management Standard Applied	_____
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Asset Management Standard Applied	_____												
Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/document Information					
64	Information management	How has the organisation's ensured its asset management information system is relevant to its needs?				Widely used AM standards need not be prescriptive about the form of the asset management information system, but simply require that the asset management information system is appropriate to the organisations needs, can be effectively used and can supply information which is consistent and of the requisite quality and accuracy.	The organisation's strategic planning team. The management team that has overall responsibility for asset management. Information management team. Users of the organisational information systems.	The documented process the organisation employs to ensure its asset management information system aligns with its asset management requirements. Minutes of information systems review meetings involving users.					
69	Risk management process(es)	How has the organisation documented process(es) and/or procedure(s) for the identification and assessment of asset and asset management related risks throughout the asset life cycle?				Risk management is an important foundation for proactive asset management. Its overall purpose is to understand the cause, effect and likelihood of adverse events occurring, to optimally manage such risks to an acceptable level, and to provide an audit trail for the management of risks. Widely used standards require the organisation to have process(es) and/or procedure(s) in place that set out how the organisation identifies and assesses asset and asset management related risks. The risks have to be considered across the four phases of the asset lifecycle (eg, para 4.3.3 of PAS 55).	The top management team in conjunction with the organisation's senior risk management representatives. There may also be input from the organisation's Safety, Health and Environment team. Staff who carry out risk identification and assessment.	The organisation's risk management framework and/or evidence of specific process(es) and/or procedure(s) that deal with risk control mechanisms. Evidence that the process(es) and/or procedure(s) are implemented across the business and maintained. Evidence of agendas and minutes from risk management meetings. Evidence of feedback in to process(es) and/or procedure(s) as a result of incident investigation(s). Risk registers and assessments.					
79	Use and maintenance of asset risk information	How does the organisation ensure that the results of risk assessments provide input into the identification of adequate resources and training and competency needs?				Widely used AM standards require that the output from risk assessments are considered and that adequate resource (including staff) and training is identified to match the requirements. It is a further requirement that the effects of the control measures are considered, as there may be implications in resources and training required to achieve other objectives.	Staff responsible for risk assessment and those responsible for developing and approving resource and training plan(s). There may also be input from the organisation's Safety, Health and Environment team.	The organisations risk management framework. The organisation's resourcing plan(s) and training and competency plan(s). The organisation should be able to demonstrate appropriate linkages between the content of resource plan(s) and training and competency plan(s) to the risk assessments and risk control measures that have been developed.					
82	Legal and other requirements	What procedure does the organisation have to identify and provide access to its legal, regulatory, statutory and other asset management requirements, and how is requirements incorporated into the asset management system?				In order for an organisation to comply with its legal, regulatory, statutory and other asset management requirements, the organisation first needs to ensure that it knows what they are (eg, PAS 55 specifies this in s 4.4.8). It is necessary to have systematic and auditable mechanisms in place to identify new and changing requirements. Widely used AM standards also require that requirements are incorporated into the asset management system (e.g. procedure(s) and process(es))	Top management. The organisations regulatory team. The organisation's legal team or advisors. The management team with overall responsibility for the asset management system. The organisation's health and safety team or advisors. The organisation's policy making team.	The organisational processes and procedures for ensuring information of this type is identified, made accessible to those requiring the information and is incorporated into asset management strategy and objectives					
88	Life Cycle Activities	How does the organisation establish implement and maintain process(es) for the implementation of its asset management plan(s) and control of activities across the creation, acquisition or enhancement of assets. This includes design, modification, procurement, construction and commissioning activities?				Life cycle activities are about the implementation of asset management plan(s) i.e. they are the "doing" phase. They need to be done effectively and well in order for asset management to have any practical meaning. As a consequence, widely used standards (eg, PAS 55 s 4.5.1) require organisations to have in place appropriate process(es) and procedure(s) for the implementation of asset management plan(s) and control of lifecycle activities. This question explores those aspects relevant to asset creation.	Asset managers, design staff, construction staff and project managers from other impacted areas of the business, e.g. Procurement	Documented process(es) and procedure(s) which are relevant to demonstrating the effective management and control of life cycle activities during asset creation, acquisition, enhancement including design, modification, procurement, construction and commissioning.					

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)							Company Name
							AMP Planning Period
							Asset Management Standard Applied
Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
64	Information management	How has the organisation's ensured its asset management information system is relevant to its needs?	The organisation has not considered the need to determine the relevance of its management information system. At present there are major gaps between what the information system provides and the organisations needs.	The organisation understands the need to ensure its asset management information system is relevant to its needs and is determining an appropriate means by which it will achieve this. At present there are significant gaps between what the information system provides and the organisations needs.	The organisation has developed and is implementing a process to ensure its asset management information system is relevant to its needs. Gaps between what the information system provides and the organisations needs have been identified and action is being taken to close them.	The organisation's asset management information system aligns with its asset management requirements. Users can confirm that it is relevant to their needs.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
69	Risk management process(es)	How has the organisation documented process(es) and/or procedure(s) for the identification and assessment of asset and asset management related risks throughout the asset life cycle?	The organisation has not considered the need to document process(es) and/or procedure(s) for the identification and assessment of asset and asset management related risks throughout the asset life cycle.	The organisation is aware of the need to document the management of asset related risk across the asset lifecycle. The organisation has plan(s) to formally document all relevant process(es) and procedure(s) or has already commenced this activity.	The organisation is in the process of documenting the identification and assessment of asset related risk across the asset lifecycle but it is incomplete or there are inconsistencies between approaches and a lack of integration.	Identification and assessment of asset related risk across the asset lifecycle is fully documented. The organisation can demonstrate that appropriate documented mechanisms are integrated across life cycle phases and are being consistently applied.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
79	Use and maintenance of asset risk information	How does the organisation ensure that the results of risk assessments provide input into the identification of adequate resources and training and competency needs?	The organisation has not considered the need to conduct risk assessments.	The organisation is aware of the need to consider the results of risk assessments and effects of risk control measures to provide input into reviews of resources, training and competency needs. Current input is typically ad-hoc and reactive.	The organisation is in the process ensuring that outputs of risk assessment are included in developing requirements for resources and training. The implementation is incomplete and there are gaps and inconsistencies.	Outputs from risk assessments are consistently and systematically used as inputs to develop resources, training and competency requirements. Examples and evidence is available.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
82	Legal and other requirements	What procedure does the organisation have to identify and provide access to its legal, regulatory, statutory and other asset management requirements, and how is requirements incorporated into the asset management system?	The organisation has not considered the need to identify its legal, regulatory, statutory and other asset management requirements.	The organisation identifies some its legal, regulatory, statutory and other asset management requirements, but this is done in an ad-hoc manner in the absence of a procedure.	The organisation has procedure(s) to identify its legal, regulatory, statutory and other asset management requirements, but the information is not kept up to date, inadequate or inconsistently managed.	Evidence exists to demonstrate that the organisation's legal, regulatory, statutory and other asset management requirements are identified and kept up to date. Systematic mechanisms for identifying relevant legal and statutory requirements.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
88	Life Cycle Activities	How does the organisation establish implement and maintain process(es) for the implementation of its asset management plan(s) and control of activities across the creation, acquisition or enhancement of assets. This includes design, modification, procurement, construction and commissioning activities?	The organisation does not have process(es) in place to manage and control the implementation of asset management plan(s) during activities related to asset creation including design, modification, procurement, construction and commissioning.	The organisation is aware of the need to have process(es) and procedure(s) in place to manage and control the implementation of asset management plan(s) during activities related to asset creation including design, modification, procurement, construction and commissioning but currently do not have these in place (note: procedure(s) may exist but they are inconsistent/incomplete).	The organisation is in the process of putting in place process(es) and procedure(s) to manage and control the implementation of asset management plan(s) during activities related to asset creation including design, modification, procurement, construction and commissioning. Gaps and inconsistencies are being addressed.	Effective process(es) and procedure(s) are in place to manage and control the implementation of asset management plan(s) during activities related to asset creation including design, modification, procurement, construction and commissioning.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)								
							Company Name	
							AMP Planning Period	
							Asset Management Standard Applied	
Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/document Information
91	Life Cycle Activities	How does the organisation ensure that process(es) and/or procedure(s) for the implementation of asset management plan(s) and control of activities during maintenance (and inspection) of assets are sufficient to ensure activities are carried out under specified conditions, are consistent with asset management strategy and control cost, risk and				Having documented process(es) which ensure the asset management plan(s) are implemented in accordance with any specified conditions, in a manner consistent with the asset management policy, strategy and objectives and in such a way that cost, risk and asset system performance are appropriately controlled is critical. They are an essential part of turning intention into action (eg, as required by PAS 55 s 4.5.1).	Asset managers, operations managers, maintenance managers and project managers from other impacted areas of the business	Documented procedure for review. Documented procedure for audit of process delivery. Records of previous audits, improvement actions and documented confirmation that actions have been carried out.
95	Performance and condition monitoring	How does the organisation measure the performance and condition of its assets?				Widely used AM standards require that organisations establish implement and maintain procedure(s) to monitor and measure the performance and/or condition of assets and asset systems. They further set out requirements in some detail for reactive and proactive monitoring, and leading/lagging performance indicators together with the monitoring or results to provide input to corrective actions and continual improvement. There is an expectation that performance and condition monitoring will provide input to improving asset management strategy, objectives and plan(s).	A broad cross-section of the people involved in the organisation's asset-related activities from data input to decision-makers, i.e. an end-to end assessment. This should include contactors and other relevant third parties as appropriate.	Functional policy and/or strategy documents for performance or condition monitoring and measurement. The organisation's performance monitoring frameworks, balanced scorecards etc. Evidence of the reviews of any appropriate performance indicators and the action lists resulting from these reviews. Reports and trend analysis using performance and condition information. Evidence of the use of performance and condition information shaping improvements and supporting asset management strategy, objectives and plan(s).
99	Investigation of asset-related failures, incidents and nonconformities	How does the organisation ensure responsibility and the authority for the handling, investigation and mitigation of asset-related failures, incidents and emergency situations and non conformance is clear, unambiguous, understood and communicated?				Widely used AM standards require that the organisation establishes implements and maintains process(es) for the handling and investigation of failures incidents and non-conformities for assets and sets down a number of expectations. Specifically this question examines the requirement to define clearly responsibilities and authorities for these activities, and communicate these unambiguously to relevant people including external stakeholders if appropriate.	The organisation's safety and environment management team. The team with overall responsibility for the management of the assets. People who have appointed roles within the asset-related investigation procedure, from those who carry out the investigations to senior management who review the recommendations. Operational controllers responsible for managing the asset base under fault conditions and maintaining services to consumers. Contractors and other third parties as appropriate.	Process(es) and procedure(s) for the handling, investigation and mitigation of asset-related failures, incidents and emergency situations and non conformance. Documentation of assigned responsibilities and authority to employees. Job Descriptions, Audit reports. Common communication systems i.e. all Job Descriptions on Internet etc.
105	Audit	What has the organisation done to establish procedure(s) for the audit of its asset management system (process(es))?				This question seeks to explore what the organisation has done to comply with the standard practice AM audit requirements (eg, the associated requirements of PAS 55 s 4.6.4 and its linkages to s 4.7).	The management team responsible for its asset management procedure(s). The team with overall responsibility for the management of the assets. Audit teams, together with key staff responsible for asset management. For example, Asset Management Director, Engineering Director. People with responsibility for carrying out risk assessments	The organisation's asset-related audit procedure(s). The organisation's methodology(s) by which it determined the scope and frequency of the audits and the criteria by which it identified the appropriate audit personnel. Audit schedules, reports etc. Evidence of the procedure(s) by which the audit results are presented, together with any subsequent communications. The risk assessment schedule or risk registers.

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)							
							Company Name
							AMP Planning Period
							Asset Management Standard Applied
Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
91	Life Cycle Activities	How does the organisation ensure that process(es) and/or procedure(s) for the implementation of asset management plan(s) and control of activities during maintenance (and inspection) of assets are sufficient to ensure activities are carried out under specified conditions, are consistent with asset management strategy and control cost, risk and	The organisation does not have process(es)/procedure(s) in place to control or manage the implementation of asset management plan(s) during this life cycle phase.	The organisation is aware of the need to have process(es) and procedure(s) in place to manage and control the implementation of asset management plan(s) during this life cycle phase but currently do not have these in place and/or there is no mechanism for confirming they are effective and where needed modifying them.	The organisation is in the process of putting in place process(es) and procedure(s) to manage and control the implementation of asset management plan(s) during this life cycle phase. They include a process for confirming the process(es)/procedure(s) are effective and if necessary carrying out modifications.	The organisation has in place process(es) and procedure(s) to manage and control the implementation of asset management plan(s) during this life cycle phase. They include a process, which is itself regularly reviewed to ensure it is effective, for confirming the process(es)/ procedure(s) are effective and if necessary carrying out modifications.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
95	Performance and condition monitoring	How does the organisation measure the performance and condition of its assets?	The organisation has not considered how to monitor the performance and condition of its assets.	The organisation recognises the need for monitoring asset performance but has not developed a coherent approach. Measures are incomplete, predominantly reactive and lagging. There is no linkage to asset management objectives.	The organisation is developing coherent asset performance monitoring linked to asset management objectives. Reactive and proactive measures are in place. Use is being made of leading indicators and analysis. Gaps and inconsistencies remain.	Consistent asset performance monitoring linked to asset management objectives is in place and universally used including reactive and proactive measures. Data quality management and review process are appropriate. Evidence of leading indicators and analysis.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
99	Investigation of asset-related failures, incidents and nonconformities	How does the organisation ensure responsibility and the authority for the handling, investigation and mitigation of asset-related failures, incidents and emergency situations and non conformance is clear, unambiguous, understood and communicated?	The organisation has not considered the need to define the appropriate responsibilities and the authorities.	The organisation understands the requirements and is in the process of determining how to define them.	The organisation are in the process of defining the responsibilities and authorities with evidence. Alternatively there are some gaps or inconsistencies in the identified responsibilities/authorities.	The organisation have defined the appropriate responsibilities and authorities and evidence is available to show that these are applied across the business and kept up to date.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
105	Audit	What has the organisation done to establish procedure(s) for the audit of its asset management system (process(es))?	The organisation has not recognised the need to establish procedure(s) for the audit of its asset management system.	The organisation understands the need for audit procedure(s) and is determining the appropriate scope, frequency and methodology(s).	The organisation is establishing its audit procedure(s) but they do not yet cover all the appropriate asset-related activities.	The organisation can demonstrate that its audit procedure(s) cover all the appropriate asset-related activities and the associated reporting of audit results. Audits are to an appropriate level of detail and consistently managed.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)							Company Name	AMP Planning Period	Asset Management Standard Applied
Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/document Information	
109	Corrective & Preventative action	How does the organisation instigate appropriate corrective and/or preventive actions to eliminate or prevent the causes of identified poor performance and non conformance?				Having investigated asset related failures, incidents and non-conformances, and taken action to mitigate their consequences, an organisation is required to implement preventative and corrective actions to address root causes. Incident and failure investigations are only useful if appropriate actions are taken as a result to assess changes to a businesses risk profile and ensure that appropriate arrangements are in place should a recurrence of the incident happen. Widely used AM standards also require that necessary changes arising from preventive or corrective action are made to the asset management system.	The management team responsible for its asset management procedure(s). The team with overall responsibility for the management of the assets. Audit and incident investigation teams. Staff responsible for planning and managing corrective and preventive actions.	Analysis records, meeting notes and minutes, modification records. Asset management plan(s), investigation reports, audit reports, improvement programmes and projects. Recorded changes to asset management procedure(s) and process(es). Condition and performance reviews. Maintenance reviews	
113	Continual Improvement	How does the organisation achieve continual improvement in the optimal combination of costs, asset related risks and the performance and condition of assets and asset systems across the whole life cycle?				Widely used AM standards have requirements to establish, implement and maintain process(es)/procedure(s) for identifying, assessing, prioritising and implementing actions to achieve continual improvement. Specifically there is a requirement to demonstrate continual improvement in optimisation of cost risk and performance/condition of assets across the life cycle. This question explores an organisation's capabilities in this area—looking for systematic improvement mechanisms rather than reviews and audit (which are separately examined).	The top management of the organisation. The manager/team responsible for managing the organisation's asset management system, including its continual improvement. Managers responsible for policy development and implementation.	Records showing systematic exploration of improvement. Evidence of new techniques being explored and implemented. Changes in procedure(s) and process(es) reflecting improved use of optimisation tools/techniques and available information. Evidence of working parties and research.	
115	Continual Improvement	How does the organisation seek and acquire knowledge about new asset management related technology and practices, and evaluate their potential benefit to the organisation?				One important aspect of continual improvement is where an organisation looks beyond its existing boundaries and knowledge base to look at what 'new things are on the market'. These new things can include equipment, process(es), tools, etc. An organisation which does this (eg, by the PAS 55 s 4.6 standards) will be able to demonstrate that it continually seeks to expand its knowledge of all things affecting its asset management approach and capabilities. The organisation will be able to demonstrate that it identifies any such opportunities to improve, evaluates them for suitability to its own organisation and implements them as appropriate. This question explores an organisation's approach to this activity.	The top management of the organisation. The manager/team responsible for managing the organisation's asset management system, including its continual improvement. People who monitor the various items that require monitoring for 'change'. People that implement changes to the organisation's policy, strategy, etc. People within an organisation with responsibility for investigating, evaluating, recommending and implementing new tools and techniques, etc.	Research and development projects and records, benchmarking and participation knowledge exchange professional forums. Evidence of correspondence relating to knowledge acquisition. Examples of change implementation and evaluation of new tools, and techniques linked to asset management strategy and objectives.	

Company Name							
AMP Planning Period							
Asset Management Standard Applied							
SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)							
Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
109	Corrective & Preventative action	How does the organisation instigate appropriate corrective and/or preventive actions to eliminate or prevent the causes of identified poor performance and non conformance?	The organisation does not recognise the need to have systematic approaches to instigating corrective or preventive actions.	The organisation recognises the need to have systematic approaches to instigating corrective or preventive actions. There is ad-hoc implementation for corrective actions to address failures of assets but not the asset management system.	The need is recognized for systematic instigation of preventive and corrective actions to address root causes of non compliance or incidents identified by investigations, compliance evaluation or audit. It is only partially or inconsistently in place.	Mechanisms are consistently in place and effective for the systematic instigation of preventive and corrective actions to address root causes of non compliance or incidents identified by investigations, compliance evaluation or audit.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
113	Continual Improvement	How does the organisation achieve continual improvement in the optimal combination of costs, asset related risks and the performance and condition of assets and asset systems across the whole life cycle?	The organisation does not consider continual improvement of these factors to be a requirement, or has not considered the issue.	A Continual Improvement ethos is recognised as beneficial, however it has just been started, and or covers partially the asset drivers.	Continuous improvement process(es) are set out and include consideration of cost risk, performance and condition for assets managed across the whole life cycle but it is not yet being systematically applied.	There is evidence to show that continuous improvement process(es) which include consideration of cost risk, performance and condition for assets managed across the whole life cycle are being systematically applied.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
115	Continual Improvement	How does the organisation seek and acquire knowledge about new asset management related technology and practices, and evaluate their potential benefit to the organisation?	The organisation makes no attempt to seek knowledge about new asset management related technology or practices.	The organisation is inward looking, however it recognises that asset management is not sector specific and other sectors have developed good practice and new ideas that could apply. Ad-hoc approach.	The organisation has initiated asset management communication within sector to share and, or identify 'new' to sector asset management practices and seeks to evaluate them.	The organisation actively engages internally and externally with other asset management practitioners, professional bodies and relevant conferences. Actively investigates and evaluates new practices and evolves its asset management activities using appropriate developments.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard. The assessor is advised to note in the Evidence section why this is the case and the evidence seen.

Schedule 14 Mandatory Explanatory Notes

1. This ~~S~~schedule requires GTBs to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.20, ~~and and~~ subclause 2.5.1(1)(e)~~2-5-1~~.
2. This ~~S~~schedule is mandatory—GTBs must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 12 of this schedule is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.
3. Schedule 15 (Voluntary Explanatory Notes to Schedules) provides for GTBs to give additional explanation of disclosed information should they elect to do so.

Mandatory explanatory notes

Return on Investment (Schedule 2)

4. In the box below, comment on return on investment as disclosed in Schedule 2. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 1: Explanatory comment on return on investment
[Insert text here]

Regulatory Profit (Schedule 3)

5. In the box below, comment on regulatory profit for the disclosure year as disclosed in Schedule 3. This comment must include-
 - 5.1 a description of material items included in 'other regulatory line-income' (other than gains / (losses) on asset disposals)~~gains and losses on asset sales,~~ as disclosed in Schedule 3(i)
 - 5.2 information on reclassified items in accordance with subclause 2.7.1(2).

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Box 2: Explanatory comment on regulatory profit
[Insert text here]

Merger and acquisition expenses (3(iv) of Schedule 3(iv))

6. If the GTB incurred merger and acquisitions expenditure during the disclosure year, provide the following information in the box below-

- 6.1 information on reclassified items in accordance with subclause 2.7.1(2)
- 6.2 any other commentary on the benefits of the merger and acquisition expenditure to the GTB.

Box 3: Explanatory comment on merger and acquisition expenditure

[Insert text here]

Value of the Regulatory Asset Base (Schedule 4)

7. In the box below, comment on the value of the regulatory asset base (rolled forward) in Schedule 4. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 4: Explanatory comment on the value of the regulatory asset based (rolled forward)

[Insert text here]

Regulatory tax allowance: disclosure of permanent differences (5a(i) of Schedule 5a~~(i)~~)

8. In the box below, provide descriptions and workings ~~of the~~ of the material permanent differences included in the following items, as recorded in the asterisked categories in 5a(i) of Schedule 5a~~(i)~~:-
 - 8.1 Income not included in regulatory profit / (loss) before tax but taxable
 - 8.2 Expenditure or loss in regulatory profit / (loss) before tax but not deductible
 - 8.3 Income included in regulatory profit / (loss) before tax but not taxable
 - 8.4 Expenditure or loss deductible but not in regulatory profit / (loss) before tax

Box 5: Regulatory tax allowance: permanent differences

[Insert text here]

Regulatory tax allowance: disclosure of temporary differences (5a(i) of Schedule 5a(ii))

9. In the box below, provide descriptions and workings of ~~items~~ the material temporary differences included in the following items, as recorded in the asterisked categories ~~y 'Tax effect of other temporary differences'~~ in 5a(i) of Schedule 5a(ii):

9.1 Income not included in regulatory profit / (loss) before tax but taxable

9.2 Expenditure or loss in regulatory profit / (loss) before tax but not deductible

9.3 Income included in regulatory profit / (loss) before tax but not taxable

~~8.5~~9.4 Expenditure or loss deductible but not in regulatory profit / (loss) before tax

Box 6: Temporary differences

[Insert text here]

Related party transactions: disclosure of related party transactions (Schedule 5b)

~~9.10.~~ In the box below, provide descriptions of related party transactions beyond those disclosed in Schedule 5b including identification and descriptions as to the nature of directly attributable costs disclosed under subclause 2.3.7(2)(b).

Box 7: Related party transactions

[Insert text here]

Cost allocation (Schedule 5d)

~~10.11.~~ In the box below, comment on cost allocation as disclosed in Schedule 5d. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 8: Cost allocation

[Insert text here]

Asset allocation (Schedule 5e)

~~11.12.~~ In the box below, comment on asset allocation as disclosed in Schedule 5e. This comment must include information on reclassified items in accordance with [sub](#)clause 2.7.1(2).

Box 9: Commentary on asset allocation

[Insert text here]

Capital Expenditure for the Disclosure Year (Schedule 6a)

~~12.13.~~ In the box below, comment on ~~capital~~-expenditure [on assets](#) for the disclosure year, as disclosed in Schedule 6a. This comment must include-

~~12.13.1~~ a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;

~~12.13.2~~ information on reclassified items in accordance with [sub](#)clause 2.7.1(2)

Box 10: Explanation of capital expenditure for the disclosure year

[Insert text here]

Operational Expenditure for the Disclosure Year (Schedule 6b)

~~13.14.~~ In the box below, comment on operational expenditure for the disclosure year, as disclosed in Schedule 6b. This comment must include-

~~13.14.1~~ Commentary on assets replaced or renewed with asset replacement and renewal ~~operational~~ expenditure, as reported Schedule 6b(i)

~~13.14.2~~ Information on reclassified items in accordance with [sub](#)clause 2.7.1(2)

~~13.14.3~~ Commentary on any material atypical expenditure included in operational expenditure disclosed in Schedule 6b, a including the value of the expenditure the purpose of the expenditure, and the operational expenditure categories the expenditure relates to.

Box 11: Explanation of operational expenditure for the disclosure year

[Insert text here]

Variance between forecast and actual expenditure (Schedule 7)

~~14.~~15. In the box below, comment on variance in actual to forecast expenditure for the disclosure year, as reported in Schedule 7. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

Box 12: Explanatory comment on variance in actual to forecast expenditure

[Insert text here]

Information relating to revenues and quantities for the disclosure year

~~15.~~16. In the box below, please explain reasons for any material differences between target revenue disclosed before the start of the pricing year in accordance with clauses 2.4.1 and subclause 2.4.3(3), and total billed line charge revenue for the disclosure year as disclosed in Schedule 8.

Box 13: Explanatory comment relating to revenue for the disclosure year

[Insert text here]

~~16.~~17. If prices or price category codes (as applicable) have been changed in a disclosure year, please explain in the box below the effect of this on the allocation of quantities and revenues between connection types or contract types (as applicable) disclosed in Schedule 9d(ii) and Schedule 8.

Box 14: Explanatory comment relating to changed prices or price category codes

[Insert text here]

Network Reliability for the Disclosure Year (Schedule 10a)

| ~~17-18.~~ In the box below, comment on network reliability for the disclosure year, as disclosed in Schedule 10a.

Box 15: Commentary on network reliability for the disclosure year

[Insert text here]

Insurance cover

~~18.19.~~ In the box below, provide details of any insurance cover for the assets, including-

~~18.19.1~~ The GTB's approaches and practices in regard to the insurance of assets, including the level of insurance;

~~18.19.2~~ In respect of any self insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

Box 16: Explanation of insurance cover

[Insert text here]

Amendments to previously disclosed information

20. In the box below, provide information about amendments to previously disclosed information disclosed in accordance with clause 2.12.1 in the last 7 years, including:

20.1 a description of each error; and

20.2 for each error, reference to the web address where the disclosure made in accordance with clause 2.12.1 is publicly disclosed.

Box 17: Disclosure of amendment to previously disclosed information

[Insert text here]

Schedule 14a Mandatory Explanatory Notes on Forecast Information

1. This Schedule requires GTBs to provide explanatory notes to reports prepared in accordance with clause 2.6.52.6.6.
2. This Schedule is mandatory. GTBs must provide the explanatory comment specified below, in accordance with clause 2.7.2. This information is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.

Commentary on difference between nominal and constant price capital expenditure forecasts (Schedule 11a)

3. In the box below, comment on the difference between nominal and constant price capital expenditure for the current disclosure year and the 10 year planning period, as disclosed in Schedule 11a.

Box 1: Commentary on difference between nominal and constant price capital expenditure forecasts
[Insert text here]

Commentary on difference between nominal and constant price operational expenditure forecasts (Schedule 11b)

4. In the box below, comment on the difference between nominal and constant price operational expenditure for the current disclosure year and the 10 year planning period, as disclosed in Schedule 11b.

Box 2: Commentary on difference between nominal and constant price operational expenditure forecasts
[Insert text here]

~~Schedule 14b—Mandatory Explanatory Notes on Transitional Financial Information~~

- ~~1. This Schedule provides for GTBs to provide explanatory notes to the transitional financial information disclosed in accordance with clauses 2.12.1 and 2.12.5.~~
- ~~2. This Schedule is mandatory—GTBs must provide the explanatory comment specified below, in accordance with clause 2.7.1. This information is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.~~

Initial RAB adjustment (Schedule 5h)

- ~~3. In the box below, comment on adjustments to the initial RAB as disclosed in Schedule 5h.~~

~~Box 5: Commentary on adjustments to the initial RAB~~

~~{Insert text here}~~

Tax effect of other temporary differences

- ~~4. In the box below provide explanatory comment on the tax effect of other temporary differences for the disclosure years ending 2010, 2011, and 2012 (as reported in Schedule 4d(vi)).~~

~~Box 2: Commentary on tax effect of other temporary differences (disclosure years 2010, 2011, and 2012)~~

~~{Insert text here}~~

Related party transactions (Vector)

- ~~5. For Vector, to the extent that any change in regulatory profit and ROI reported for 2013 (compared to that reported for 2012) is attributable to the change in treatment of related party transactions, provide an explanation of the change in the box below.~~

~~Box 2: Change in regulatory profit and ROI due to change in treatment of related party transactions~~

~~{Insert text here}~~

Asset allocation (transitional)

~~6. — In the box below, comment on asset allocation as disclosed in Schedule 5e. This comment must include information on reclassified items in accordance with clause 2.7.1(2) for disclosure years 2011 and 2012.~~

~~**Box 3: Commentary on asset allocation**~~

~~[Insert text here]~~

Schedule 15 Voluntary Explanatory Notes

1. This ~~S~~schedule enables GTBs to provide, should they wish to-
 - 1.1 additional explanatory comment to reports prepared in accordance with clauses 2.3.1, 2.4.20, 2.5.1, [and 2.5.2](#), ~~and 2.6.5~~;
 - 1.2 information on any substantial changes to information disclosed in relation to a prior disclosure year, as a result of final wash-ups.
2. Information in this ~~S~~schedule is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.
3. Provide additional explanatory comment in the box below.

Box 1: Voluntary explanatory comment on disclosed information

[Insert text below]

Schedule 16 Definitions of Terms used in Schedules 1 to 15

1. This schedule provides definitions for terms used in Schedules 1 to 15 of this determination.
- 1.2. Where terms used in the schedules are defined in section 1.4 of this determination but are not defined below, they have the meanings set out in section 1.4 of this determination. Terms used in the schedules that are defined in the IM determination have the meanings set out in the IM determination. Otherwise, unless defined below, terms used in the schedules have meanings consistent with industry practice.

Term	Definition
% of asset forecast to be replaced in next 5 years	<u>means the</u> % of asset quantity forecast to be replaced in next 5 years consistent with the capital expenditure forecast
% variance	means- $q = \frac{a - b}{b} \times 100$ where: <i>a</i> = actual expenditure <i>b</i> = forecast expenditure
2009 authorisation assets	has the meaning set out in the IM determination
2009 disclosed assets	has the meaning set out in the IM determination
25th percentile estimate	means the 25th percentile estimate for the range of the mid-point post tax WACC or mid-point vanilla WACC determined by the Commission in accordance with clause 2.4.7 of the IM determination
75th percentile estimate	means the 75th percentile estimate for the range of the mid-point post tax WACC or mid-point vanilla WACC determined by the Commission in accordance with clause 2.4.7 of the IM determination
Actual controllable opex	has the meaning given <u>set out</u> in the IM determination
Actual expenditure	means, in relation to- (a) a disclosure year, expenditure for th <u>at</u> e disclosure year (b) the regulatory period, expenditure for the disclosure years from the start of the regulatory period to the current disclosure year
Adjusted depreciation	has the meaning set out in the IM determination

<p>Adjustment resulting from asset allocation</p>	<p>means-</p> <p>(a) in relation to the works under construction roll-forward, the change in works under construction resulting from a change in asset allocation assumptions for assets included in works under construction, where increases in the value of works under construction are positive and decreases are negative</p> <p><u>(b) in relation to the regulatory tax asset base roll-forward, the change in sum of regulatory tax asset values resulting from a change in asset allocation assumptions for assets included in sum of regulatory tax asset values, where increases in the value of sum of regulatory tax asset values are positive and decreases are negative</u></p> <p>(b)(c) in all other instances, the value of q calculated using the following formula-</p> $q = a - (b - c + d + e - f + g)$ <p>where-</p> <p>a = total closing RAB value b = total opening RAB value c = total depreciation d = total CPI revaluations e = assets commissioned f = asset disposals g = lost and found assets adjustment</p> <p>The formula must be calculated using component values that relate to the RAB. These component values are the values that result from the application of clause 2.1.1 of the IM determination</p>
<p>Adjustment to reinstate 2009 modified asset values to unallocated amounts</p>	<p>means the value of the adjustment required to the 2009 modified asset values so the resultant value represents the unallocated 2009 modified asset values</p>
<p>All other projects or programmes</p>	<p>means, within an expenditure category, the total of projects and programmes that are not material projects and programmes.</p>
<p>Allocator metric</p>	<p>has the meaning given set out in the IM determination</p>
<p>Allocator type</p>	<p>has the meaning given set out in the IM determination</p>
<p>Allowed controllable opex</p>	<p>has the meaning given set out in the IM determination</p>
<p>Arm's-length deduction</p>	<p>has the meaning given set out in the IM determination</p>

Assets acquired from a regulated supplier	<p>means-</p> <p>(a) in relation to the unallocated RAB, the sum of value of assets acquired from another regulated supplier as determined in accordance with clause 2.2.11(1)(e) of the IM determination;</p> <p>(b) in relation to the RAB, the sum of value of the assets (as determined in accordance with paragraph (a)) which is allocated to the gas transmission services in accordance with clause 2.1.1 of the IM determination</p>
Asset age	<p>means, in relation to the asset age disclosure requirements in Schedule 16, the number of assets at the end of the most recent disclosure year excluding stores and spares, categorised by asset class and the disclosure year in which the asset was originally commissioned on the network. If the original year in which the asset was commissioned is not known, then</p> <ul style="list-style-type: none"> • the commissioning year categorisation may be made using- <ul style="list-style-type: none"> ○ an estimated commissioning date (the use of estimates should be reflected in the data accuracy rating disclosed in the column 'data accuracy') ○ a default date (the number of assets for which default dates are used is to be disclosed in the column "No. with default dates") • the asset is not categorised by commissioning date (the number of assets not categorised by commissioning date is entered in the "No. with age unknown" column)
Asset category transfers	means the value of an asset transferred between asset categories
Asset condition at end of year (percentage by grade) <u>start of planning period (percentage of units by grade)</u>	means the proportion of the quantity of each asset class assessed against the asset condition categories (grade 1 to 4), reflecting the likelihood of short, medium or longer term intervention. Suppliers are able to apply their own criteria for intervention when populating the table
Asset disposals	<p>means-</p> <p>(a) in relation to the unallocated RAB, the sum of unallocated opening RAB values less regulatory depreciation of disposed assets, as determined in accordance with input methodologies applicable to that asset in the IM determination;</p> <p>(b) in relation to the RAB, the value (as determined in accordance with paragraph (a)) which was allocated to gas transmission services in accordance with clause 2.1.1 of the IM determination</p>
Asset disposals (other than below)	means asset disposals other than asset disposals to a regulated supplier and asset disposals to a related party
Asset disposals to a regulated supplier	means asset disposals disposed of to a regulated supplier
Asset disposals to a related party	means asset disposals disposed of to a related party

<p>Assets or assets with changes to depreciation</p>	<p>means a description of assets or groups of assets where the supplier has changed the asset(s)' depreciation profile or the asset(s) was commissioned during the disclosure year; and at least one of the following applies-</p> <ul style="list-style-type: none"> (a) the asset(s) is a reduced life asset or dedicated asset(s) as those terms are used in clause 2.2.8(5) of the IM Ddetermination (b) the asset(s) depreciation profile was changed or set in accordance with the CPP process (c) the asset(s) physical service life potential was determined by an engineer in accordance with clause 2.2.8(35) of the IM Ddetermination (d) the GTB chooses to disclose details about the asset(s) depreciation profile <u>(e)</u> the asset is a composite asset (as that term is used in clause 2.2.8(5) of the IM Ddetermination) and at least one of the clauses (a) to (d) above applies to one of its component assets
<p>Assets acquired from a regulated supplier</p>	<p>means-</p> <ul style="list-style-type: none"> (a) in relation to the unallocated RAB, the sum of value of assets acquired from another regulated party supplier as determined in accordance with clauses 2.2.11(1)(e)f and (g) of the IM determination; (b) in relation to the RAB, means the sum of value of the assets (as determined in accordance with paragraph (a)) which is allocated to the gas transmission services in accordance with clause 2.1.1 of the IM determination
<p><u>Assets acquired from a related party</u></p>	<p><u>means-</u></p> <ul style="list-style-type: none"> <u>(a) in relation to the unallocated RAB, the sum of value of assets acquired from a related party as determined in accordance with clauses 2.2.11(1)(f) and (g) of the IM determination;</u> <u>(b) in relation to the RAB, the sum of value of the assets (as determined in accordance with paragraph (a)) which is allocated to the gas transmission services in accordance with clause 2.1.1 of the IM determination</u>
<p>Assets commissioned (other than below)</p>	<p>means assets commissioned other than assets acquired from a regulated supplier and assets acquired from a related party</p>

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<p>Assets or assets with changes to depreciation</p>	<p>means a description of assets or groups of assets where the supplier has changed the asset(s)' depreciation profile or the asset(s) was commissioned during the disclosure year; and at least one of the following applies-</p> <p>(e) the asset(s) is a reduced life asset or dedicated asset(s) as those terms are used in clause 2.2.8(5) of the IM Determination</p> <p>(f) the asset(s) depreciation profile was changed or set in accordance with the CPP process</p> <p>(g) the asset(s) physical service life potential was determined by an engineer in accordance with clause 2.2.8(5) of the IM Determination</p> <p>(h) the GTB chooses to disclose details about the asset(s) depreciation profile</p> <p>the asset is a composite asset (as that term is used in clause 2.2.8(5) of the IM Determination) and at least one of the clauses (a) to (d) above applies to one of its component assets</p>
<p>Attribution rate</p>	<p>means-</p> $q = \frac{a \times b}{c}$ <p>where:</p> <p><i>a</i> = average opening and closing RAB values</p> <p><i>b</i> = a leverage rate of 44%</p> <p><i>c</i> = total book value of interest bearing debt</p>
<p><u>Atypical expenditure</u></p>	<p><u>means expenditure on non-network assets that is 'one-off' or 'exceptional'</u></p>
<p>Average opening and closing RAB values</p>	<p>means-</p> $q = \frac{a + b}{2}$ <p>where:</p> <p><i>a</i> = opening RAB value</p> <p><i>b</i> = closing RAB value</p>
<p>Balancing gas costs</p>	<p>means a cost or credit specified in clause 3.1.3(1)(c) of the IM determination</p>
<p>Basis for determining value</p>	<p>means the <u>subclause under either:</u></p> <p><u>(a) clause 2.2.11(5) of the IM determination; or</u></p> <p><u>(b) clauses 2.3.7 or 2.3.8 of this determination</u></p> <p>applied in the valuation of basis for determining the value of the related party transaction in accordance with clause 2.3.6 and 2.3.7 of this determination</p>
<p>Billed quantities</p>	<p>means the quantities associated with price components upon which the consumer's bill for gas transmission services is based, expressed in the units of measure used by the GTB for setting prices (for example volumes of gas delivered in GJ)-</p>

Book value	means- (a) in relation to the issue date, the book value in New Zealand dollars of a qualifying debt or non-qualifying debt on the issue date (b) in relation to the date of financial statements, the book value in New Zealand dollars of a qualifying debt or non-qualifying debt as at the end of the period of the GTB's latest general purpose financial statements
Business support	in relation to expenditure, means operational expenditure associated with the following corporate activities- <ul style="list-style-type: none"> • HR and training (other than operational training) • finance and regulation including compliance activities, valuations and auditing • CEO and director costs • legal services • consulting services (excluding engineering/technical consulting) • property management • corporate communications • corporate IT • industry liaison and participation • commercial activities including pricing, billing, revenue collection and marketing • liaison with shippers and welded parties
Capital contributions funding asset relocations	means the value of capital contributions that are paid to the GTB in relation to asset relocation expenditure
Capital contributions funding asset replacement and renewal	means the value of capital contributions that are paid to the GTB in relation to asset replacement and renewal expenditure
Capital contributions funding consumer connection	means the value of capital contributions that are paid to the GTB in relation to consumer connection expenditure
Capital contributions funding legislative and regulatory	means the value of capital contributions that are paid to the GTB in relation to legislative and regulatory expenditure
Capital contributions funding other reliability, safety and environment	means the value of capital contributions that are paid to the GTB in relation to other reliability, safety and environment expenditure
Capital contributions funding quality of supply	means the value of capital contributions that are paid to the GTB in relation to quality of supply expenditure
Capital contributions funding system growth	means the value of capital contributions that are paid to the GTB in relation to system growth expenditure
Cathodic protection	means a system that inhibits the corrosion of a metallic gas pipe by means of an impressed current or sacrificial anodes-

<u>Change in line pack (TJ)</u>	<u>means for a network or a transmission system, the change in line pack during the disclosure year where increases in line pack are positive and decreases negative. For the purposes of this definition, line pack means the total quantity of gas in the network or transmission system (as the case may be) at any time. Expressed in TJ.</u>
Chromatographs	means a device for measuring the chemical composition of gas at a particular point on the transmission system for the purposes of measuring calorific value and other properties
Closing RAB (tax value)	means the sum of regulatory tax assets that values for assets have a value included in total closing RAB value
Closing RAB value under 'non-standard' depreciation	means the closing RAB value or sum of closing RAB values as determined in accordance with Part 2 subpart 2 of the IM determination for the relevant asset or assets with non-standard depreciation
Closing RAB value under 'standard' depreciation	means- (a) in relation to assets or groups of assets where depreciation is included in depreciation - no standard life asset, 'not applicable' (b) in relation to assets or groups of assets where depreciation is included in depreciation - modified life assets or depreciation - alternative depreciation determined in accordance with CPP, the sum of closing RAB values as determined in accordance with the IM determination as if the closing RAB value and all preceding closing RAB values had been calculated in accordance with clause 2.1.1 of the IM determination applying a physical asset life determined in accordance with either clause 2.2.8(e)(iii) or (f) of the IM determination for the relevant asset or assets with non-standard depreciation
Closing RIV	means total closing RAB values less adjustment resulting from cost asset allocation less lost and found assets adjustment
Closing <u>sum of regulatory tax asset values</u> RAB (tax value)	means the sum of regulatory tax asset values that values for assets that have a value included in total closing RAB value <u>plus the regulatory tax asset values of assets referred to in clause 2.3.6(4)(b) of the IM determination</u>
Closing tax losses	has the meaning given to that term in clause 2.3.2(4) of the IM determination
Coalescers	means a vessel to coalesce any liquid entrained in the gas and typically incorporates filtration to remove solid contaminants as well as liquid
<u>Commerce Act levies</u>	<u>means a cost specified in clause 3.1.2(2)(b)(i) of the IM determination</u>
Compressor fuel	in relation to expenditure, means operational expenditure where the primary driver is the consumption of natural gas by the compressor fleet.
Compressor stations	means a station where a compressor is present and can be used to increase the pressure of gas flowing in the pipe
<u>Compressors</u>	<u>means the prime mover (engine or turbine), the compressor, the control system and the ancillaries</u>
Confirmed public reported escapes of gas	means any escape of gas confirmed by the GTB excluding third party damage events, routine surveys find and no traces events

Connection type	means a category of connection as defined by the GTB that describes a type of connection point, a category of connections as defined by the GTB that describes the customers connected to the network. This may refer to categories used for pricing, physical connection attributes or any other attribute that the GTB considers appropriate These categories should refer to physical connection attributes, or pricing groups, or any other attribute that provides a similar level of disaggregation that will assist interested party analysis.
Consumer type	means a category of consumers as defined by the GTB that is typical of the type of consumers connected to the network. This may refer to categories used for pricing, physical connection attributes or any other attribute that the GTB considers appropriate
Corporate tax rate	has the meaning given set out in the IM determination
Cost of debt assumption	means the sum of the risk free rate, and debt premium estimates and debt issuance costs as published by the Commission in accordance with clauses 2.4.1 to 2.4.11 of the IM determination for each disclosure year
Cost of executing an interest rate swap	has the meaning given set out in the IM determination
Coupon rate	means- (a) where the information is available publicly, the nominal coupon rate of interest of a qualifying debt on the issue date; (b) where the nominal coupon rate of interest of a qualifying debt on the issue date is not available publicly, either the nominal coupon rate of interest or the basis for determining the nominal coupon rate of interest of a qualifying debt on the issue date
CPI ₄	has the meaning given set out in clause 2.2.9(4) of the IM determination
CPI ₄ ⁻⁴	has the meaning given set out in clause 2.2.9(4) of the IM determination
CPP specified pass through costs	means a cost specified in clause 3.1.2(1)(b)(ii) of the IM determination
Current period tax losses	has the meaning given to that term in clause 2.3.2(5) of the IM determination

Data accuracy (1–4)	<p>means the GTB’s assessment of the accuracy of the data provided, using one of the following options-</p> <p>1 – means that good quality data is not available for any of the assets in the category and estimates are likely to contain significant error</p> <p>2 – means that good quality data is available for some assets but not for others and the data provided includes estimates of uncounted assets within the category</p> <p>3 – means that data is available for all assets but includes a level of estimation where there is understood to be some poor quality data for some of the assets within the category</p> <p>4 – means that good quality data is available for all of the assets in the category</p>
Debt issue cost readjustment	has the meaning given set out in clause 2.4.11(4) of the IM determination
Depreciation - alternative depreciation in accordance with CPP	<p>means-</p> <p>(a) in relation to the unallocated RAB, the sum of unallocated depreciation calculated in accordance with clause 2.2.6 of the IM determination;</p> <p>(b) in relation to the RAB, depreciation calculated in accordance with clause 2.2.6 or 2.2.8(4) of the IM determination</p>
Depreciation - modified life assets	<p>means-</p> <p>(a) in relation to the unallocated RAB, the sum of unallocated depreciation calculated in accordance with clause 2.2.5(1) of the IM determination;</p> <p>(b) in relation to the RAB, depreciation calculated in accordance with clause 2.2.5(2) of the IM determination;</p> <p>of assets with a physical asset life determined in accordance with clauses 2.2.8(1)(b or 2.2.8(2) of the IM determination or where clauses 2.2.8(1)(d) and 2.2.8(1)(e)(iv) of the IM determination apply with reference to assets with a physical asset life determined in accordance with clauses 2.2.8(1)(b) or 2.2.8(2) of the IM determination</p>
Depreciation - no standard life assets	<p>means-</p> <p>(a) in relation to the unallocated RAB, the sum of unallocated depreciation calculated in accordance with clause 2.2.5(1) of the IM determination;</p> <p>(b) in relation to the RAB, depreciation calculated in accordance with clause 2.2.5(2) of the IM determination;</p> <p>of assets with a physical asset life determined in accordance with clauses 2.2.8(1)(a) or 2.2.8(1)(d) or 2.2.8(1)(e)(iv)-(v) or 2.2.8(1)(g) of the IM determination or where clauses 2.2.8(1)(d) and 2.2.8(1)(e)(iv) of the IM determination apply with reference to assets with a physical asset life determined in accordance with clauses 2.2.8(1)(a) or 2.2.8(1)(d) or 2.2.8(1)(e)(iv)-(v) or 2.2.8(1)(g) of the IM determination</p>
Depreciation - standard	<p>means-</p> <p>(a) in relation to the unallocated RAB, the sum of unallocated depreciation calculated in accordance with clause 2.2.5(1) of the IM determination;</p> <p>(b) in relation to the RAB, depreciation calculated in accordance with clause 2.2.5(2) of the IM determination;</p> <p>excluding depreciation - alternative depreciation in accordance with CPP, depreciation - modified life assets, and depreciation - no standard life assets</p>

Depreciation charge for the period (RAB)	means the depreciation or sum of depreciation as determined in accordance with the IM determination for the relevant asset or assets with non-standard depreciation
Description of transaction	means a brief description of the transaction with a related party, including the goods or services provided to or by the GTB as part of that transaction
Disposed asset	has the meaning given set out in paragraph (a) of the defined term in the IM determination
Easement land	has the meaning given set out in the IM determination
Expenditure on non-network assets	means expenditure on assets relating to non-network assets
Expenditure or loss deductible but not in regulatory profit / (loss) before tax – permanent	means: (a) <u>in relation to permanent differences</u> , expenditure or loss deductible but not in regulatory profit / (loss) before tax as determined in accordance with clause 2.3.3(3)(b) of the IM determination (b) <u>in relation to temporary differences</u> , expenditure or loss deductible but not in regulatory profit / (loss) before tax as determined in accordance with clause 2.3.5(5)(b) of the IM determination
Expenditure or loss deductible but not in regulatory profit / (loss) before tax – temporary	means expenditure or loss deductible but not in regulatory profit / (loss) before tax as determined in accordance with clause 2.3.5(5)(b) of the IM determination
Expenditure or loss in regulatory profit / (loss) before tax but not deductible – permanent	means: (a) <u>in relation to permanent differences</u> , expenditure or loss in regulatory profit / (loss) before tax but not deductible as determined in accordance with clause 2.3.3(2)(b) of the IM determination (b) <u>in relation to temporary differences</u> , expenditure or loss in regulatory profit / (loss) before tax but not deductible as determined in accordance with clause 2.3.5(4)(b) of the IM determination
Expenses cash outflow	means operational expenditure plus pass through and recoverable costs excluding financial incentives and wash-ups
Expenditure or loss in regulatory profit / (loss) before tax but not deductible – temporary	means expenditure or loss in regulatory profit / (loss) before tax but not deductible as determined in accordance with clause 2.3.5(4)(b) of the IM determination
Expenses	means operational expenditure and pass through and recoverable costs accrued in each of the months of the disclosure year. Where costs are notional they should be recognised evenly over the months of the disclosure year
Financial incentives	means net recoverable costs allowed under net incremental rolling incentive scheme and other financial incentives

Forecast expenditure	means, in relation to- (a) current disclosure year, the forecast expenditure for the current disclosure year disclosed pursuant to subclauses 2.6.6(1)2.6.5(1)(a) and 2.6.6(2)(b) of this determination immediately prior to the start of the current disclosure year (b) regulatory period, the forecast expenditure for the disclosure years from the start of the regulatory period to the current disclosure year disclosed pursuant to Part 5 of the IM determination where a CPP is in place for the current disclosure year or disclosed pursuant to subclauses 2.6.6(1)2.6.5(1)(a) and 2.6.6(2)(b) of this determination prior to the start of the disclosure year preceding the regulatory period where a CPP is not in place for the current disclosure year
<u>Gains / (losses) on asset disposals</u>	<u>means, in relation to-</u> (a) <u>asset disposals to a related party, nil;</u> (b) <u>asset disposals to a regulated supplier, nil;</u> (c) <u>asset disposals (other than below), means-</u> $q = a - b$ <u>where</u> $a =$ <u>total sale price of the assets</u> $b =$ <u>asset disposals (other than below)</u>
<u>Gas entering the system (TJ)</u>	<u>means for a transmission system, the sum of intake volume (TJ) and interconnected system intake (TJ) for that system</u>
<u>Number of customers</u>	<u>means number of billed customers</u>
<u>Gas deliveries by connected party (TJ)</u>	<u>means offtake volume expressed in TJ</u>
<u>GPB</u>	<u>means gas pipeline business and includes GDBs and GTBs</u>
<u>Gas used in compressor stations (TJ)</u>	<u>means for a network or a transmission system, the volume of gas used in the operation of compressor stations on that network or transmission system (as the case may be). Expressed in TJ-</u>
<u>Gas used in heating systems (TJ)</u>	<u>means for a network or a transmission system, the volume of gas used in the operation of heating systems outside of compressor stations on that network or transmission system (as the case may be). Expressed in TJ.</u>
Grade 1	<u>means the</u> end of serviceable life, immediate intervention required
Grade 2	<u>means</u> material deterioration but asset condition still within serviceable life parameters. Intervention likely to be required within 3 years.
Grade 3	<u>means</u> normal deterioration requiring regular monitoring
Grade 4	<u>means</u> good or as new condition
Grade unknown	means condition unknown or not yet assessed
Gross term credit spread differential	means the sum of term credit spread difference, cost of executing an interest rate swap and debt issue cost readjustment for qualifying debt

Heating system	means a facility for heating the gas flowing in a pipe.
Highest rate of capitalised finance applied	means the highest rate of finance used as the cost of financing capitalised in works under construction
<u>Impact of financial incentives on ROIs</u>	<p>means-</p> $q = a - b$ <p>where</p> <p><u>a = ROI – comparable to a vanilla WACC – reflecting all revenue earned</u></p> <p><u>b = ROI – comparable to a vanilla WACC - excluding revenue earned from financial incentives</u></p>
<u>Impact of wash-up costs on ROIs</u>	<p>means-</p> $q = a - b$ <p>where</p> <p><u>a = ROI – comparable to a vanilla WACC – excluding revenue earned from financial incentives</u></p> <p><u>b = ROI – comparable to a vanilla WACC – excluding revenue earned from financial incentives and wash-up costs</u></p>
Incident	means any event, including a near miss, that has the potential to impact on the delivery of gas transmission services or the operations of the GTB.
Income included in regulatory profit / (loss) before tax but not taxable – permanent	<p>means-</p> <p><u>(a) in relation to permanent differences, -income included in regulatory profit / (loss) before tax but not taxable as determined in accordance with clause 2.3.3(3)(a) of the IM determination excluding total revaluations</u></p> <p>(a)<u>(b) in relation to temporary differences, income included in regulatory profit / (loss) before tax but not taxable as determined in accordance with clause 2.3.5(5)(a) of the IM determination</u></p>
Income included in regulatory profit / (loss) before tax but not taxable – temporary	means income included in regulatory profit / (loss) before tax but not taxable as determined in accordance with clause 2.3.5(5)(a) of the IM determination
Income not included in regulatory profit / (loss) before tax but taxable – permanent	<p>means-</p> <p><u>(a) in relation to permanent differences, income not included in regulatory profit / (loss) before tax that is taxable as determined in accordance with clause 2.3.35(2)(a) of the IM determination</u></p> <p>(a)<u>(b) in relation to temporary differences, income not included in regulatory profit / (loss) before tax that is taxable as determined in accordance with clause 2.3.5(4)(a) of the IM determination</u></p>
Income not included in regulatory profit / (loss) before tax but taxable – temporary	means income not included in regulatory profit / (loss) before tax that is taxable as determined in accordance with clause 2.3.5(4)(a) of the IM determination

Increase in value resulting from revaluations in accordance with 2.2.1(3)(b)	means the value of revaluations as determined in accordance with clause 2.2.1(3)(b) of the IM determination
Incremental gain/(loss) in year	means the incremental change or incremental adjustment term for the disclosure year determined in accordance with clause 3.3.1 of the IM determination
<u>Industry levies</u>	<u>means a cost specified in clauses 3.1.2(1)(b)(i) and 3.1.2(2)(b)(ii)-(iii) of the IM determination</u>
<u>Initial disclosure year</u>	<u>means the disclosure year 2012</u>
<u>Input methodology claw-back</u>	<u>means a cost specified in clause 3.1.3(1)(b) of the IM determination</u>
Input methodology claw-back	means a cost specified in clause 3.1.3(1)(b) of the IM determination
Insurance	means a contract of insurance as defined in the Insurance (Prudential Supervision) Act 2010
<u>Intake volume</u>	<u>means for a network or a transmission system, the volume of gas entering the network or the transmission system (as the case may be) at intake points on that network or system. The quantity of gas for bidirectional connection points shall be the gross volume entering the network or the system. Expressed in TJ</u>
<u>IRR</u>	<u>means internal rate of return</u>
<u>Interconnected intake systems</u>	<u>means for a transmission system, the names of other transmission systems owned by the same GTB from which gas enters that system through direct interconnections.</u>
<u>Interconnected system intake (TJ)</u>	<u>means for a transmission system, the gross volume of gas entering that system through direct interconnections with other transmission systems owned by the same GTB. Expressed in TJ</u>
Issue date	means the day on which a qualifying debt or non-qualifying debt is issued
Items at end of year (quantity)	means the total quantity of assets in the prescribed asset category and asset class installed in the network at the end of the disclosure year, expressed in the prescribed unit
Items at start of year (quantity)	means the total quantity of assets in the prescribed asset category and asset class installed in the network at the start of the disclosure year, expressed in the prescribed unit
Land management and associated activity	means operational expenditure where the primary driver is the management of land and associated activities involved in the maintenance of the pipeline route, and includes-

	<ul style="list-style-type: none"> land database (property owners, occupiers and other stakeholders) communications with landowners, occupiers and other stakeholders erosion management monitoring activities on or near the easement compensation and other associated legal costs
Leverage	has the meaning given set out in the IM determination
Levies	means a cost specified in clause 3.1.2(2)(b) of the IM determination
Line charge revenue	means revenue from prices
Line item	has the meaning given set out in the IM determination
Lost and found assets adjustment	<p>means-</p> <p>(a) — in relation to the unallocated RAB, the value of found assets as determined in accordance with clause 2.2.12 of the IM determination, less the value of lost assets. The value of a lost asset is the unallocated opening RAB value of the asset less regulatory depreciation as determined in accordance with the IM determination;</p> <p>(b) — in relation to the RAB, the value of the asset (as determined in accordance with paragraph (a)) which is allocated to gas transmission services in accordance with clause 2.1.1 of the IM determination</p>
Market value of asset disposals	means the market value of disposed assets sold or transferred to a related party
Material projects and programmes	means projects or programmes with actual or forecast total expenditure greater than the materiality threshold that is developed and applied by the GTB
Merger and acquisition expenditure	means expenditure related to merger and acquisition activities irrespective of the outcome of the merger or acquisition, but proportionate to the extent the benefits of the merger or acquisition would relate to gas transmission services. Disclosure of the benefits to gas transmission services is required for merger and acquisition expenses to be recognised
Metering system	means devices that measure and record the quantity of gas that has flowed through a point in a period of time and may additionally measure and record the rate of flow
Mid-point estimate of post tax WACC	means the mid-point estimate of post tax WACC for the 5 year period commencing on the first day of the disclosure year determined by the Commission in accordance with clause 2.4.1 Part 2, subpart 4 of the IM determination
Mid-point estimate of vanilla WACC	means the mid-point estimate of vanilla WACC for the 5 year period commencing on the first day of the disclosure year determined by the Commission in accordance with clause 2.4.1 of the IM determination
Mid-year net cash outflows	means expenses cash outflow plus assets commissioned less asset disposals plus regulatory tax allowance less other regulated income
Mid-point estimate of post tax WACC	means the mid-point estimate of post tax WACC for the 5 year period commencing on the first day of the disclosure year determined by the Commission in accordance with Part 2, subpart 4 of the IM determination

Mixing stations	means a station where gases from different sources are mixed														
Monthly ROI – closing RIV	means total closing RAB value less adjustment resulting from cost allocation less lost and found assets adjustment plus revenue related working capital														
Monthly net cash outflows	means expenses cash outflow plus assets commissioned less asset disposals less other regulated income														
Monthly ROI – comparable to a post-tax WACC	means the monthly ROI comparable to the vanilla WACC less the product of the cost of debt (%), the leverage and the corporate tax rate														
Monthly ROI – comparable to a vanilla WACC	<p>means the internal rate of return for a schedule of cash flows that occur according to a schedule of dates means-</p> <p>where the schedules of cash flows and dates are-</p> <table border="0"> <tr> <td><u>Cash flows</u></td> <td><u>Dates</u></td> </tr> <tr> <td>- Opening RIV</td> <td>365 before year-end</td> </tr> <tr> <td>- Monthly net cash outflows</td> <td>15th of the month incurred</td> </tr> <tr> <td>Line charge revenue</td> <td>20th of the month following accrual</td> </tr> <tr> <td>- Regulatory tax allowance</td> <td>182 days before year-end</td> </tr> <tr> <td>- Term credit spread differential allowance</td> <td>Year-end</td> </tr> <tr> <td>Closing RIV</td> <td>Year-end</td> </tr> </table> <p>$q = (1 + \text{monthly IRR})^{12} - 1$</p> <p>where:</p> <p>monthly IRR = IRR (13 monthly amounts)</p> <p>where the 13 monthly amounts are-</p> <p>the negative of alternative opening RIV</p> <p>the 11 end of month notional net cash flows for the first month to the eleventh month of the disclosure year</p> <p>notional net cash flows for the last month of the disclosure year plus alternative closing RIV less term credit spread differential allowance</p>	<u>Cash flows</u>	<u>Dates</u>	- Opening RIV	365 before year-end	- Monthly net cash outflows	15 th of the month incurred	Line charge revenue	20 th of the month following accrual	- Regulatory tax allowance	182 days before year-end	- Term credit spread differential allowance	Year-end	Closing RIV	Year-end
<u>Cash flows</u>	<u>Dates</u>														
- Opening RIV	365 before year-end														
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Line charge revenue	20 th of the month following accrual														
- Regulatory tax allowance	182 days before year-end														
- Term credit spread differential allowance	Year-end														
Closing RIV	Year-end														
Monthly ROI – opening RIV	means the sum of total opening RAB value plus revenue related working capital														
Most recent ID period	means the disclosure year immediately preceding the end of the consolidation period														
Name of related party	means the legal name of the related party that has entered into a transaction with the GTB.														
Net incremental rolling incentive scheme	means the sum of previous years' incremental gain/loss from the 5 disclosure years preceding the current disclosure year														

Net recoverable costs allowed under incremental rolling incentive scheme	means, where- (a) net incremental rolling incentive scheme is positive, net incremental rolling incentive scheme; (b) net incremental rolling incentive scheme is nil or negative, nil
Network	has the meaning given set out in the IM determination
Network opex	means the sum of operational expenditure relating to service interruptions, incidents and emergencies, routine and corrective maintenance and inspection, asset replacement and renewal, compressor fuel, and land management and associated activity
Network support	in respect of operational expenditure, means costs where the primary driver is the management of the network including- <ul style="list-style-type: none"> • asset management planning including preparation of the AMP, load forecasting, network modelling • network and engineering design (excluding design costs capitalised for capital projects) • network policy development (including the development of environmental, technical and engineering policies) • standards and manuals for network management • network record keeping and asset management databases including GIS • outage recording • connection and customer records/customer management databases • customer queries and call centres (not associated with direct billing) • operational training for network management and field staff • operational vehicles and transport • IT & telecoms for network management (including IT support for asset management systems) • day to day customer management including responding to queries on new connections, disconnections and reconnections • engineering and technical consulting • network planning and system studies • logistics (procurement) and stores • network asset site expenses and leases • route/easement management (including locating pipelines for third parties, mark cuts, stand-overs, obstructions, plans and permits) • surveying of new sites to identify work requirements • engineering/technical consulting services (excluding costs capitalised for capital projects) • contractor/contracts management (excluding costs capitalised for capital projects) • transmission operator liaison and management • network related research and development

<u>New allocation</u>	means the operating costs or regulated service asset values allocated to gas transmission services in accordance with the new allocator and line items for each of the relevant disclosure years
<u>New allocator or line item</u>	means the allocator or line items that are used subsequent to the change in allocator or line items
<u>No. with age unknown</u>	means the total quantity of assets in the prescribed asset category and asset class installed in the network for which no installation information is known and no default date has been assigned
No. with default dates	means the total quantity of assets in the prescribed asset category and asset class installed in the network at the <u>startend</u> of the disclosure year where the original installation year is unknown and that have accordingly been allocated to a default installation year, expressed in the prescribed unit
Non-gas transmission services	means services of the GTB that are not gas transmission services
Non-network opex	means the sum of operational expenditure relating to system operations, network support and business support
Non-qualifying debt	means interest bearing debt that is not a qualifying debt
Non-qualifying intangible assets	means the value of assets identified in clause 2.2.2(d) of the IM determination
Non-standard consumer	means any consumer that is not a standard consumer
Non-standard contract	means a contract that is not a standard contract
Non-system fixed assets	means expenditure on assets that is not directly incurred on the network. This includes expenditure on information and technology systems, IT software upgrade costs, asset management systems, customer management systems, office buildings, depots and workshops, office furniture and equipment, motor vehicles, tools, plant and machinery.
Not directly attributable	means- (a) — in relation to operating costs, operating costs that are not directly attributable; (b) — in relation to regulated service asset values, regulated service asset values that are not directly attributable
Notional deductible interest	has the meaning <u>given set out</u> in clause 2.3.1(5) of the IM determination
Notional net cash flows	means, in relation to the- (a) — ROI, operating surplus / (deficit) less regulatory tax allowance less assets commissioned plus asset disposals (b) — alternative ROI, revenue less expenses less tax payments less assets commissioned plus asset disposals
Notional revenue foregone from posted discounts	means, for the purposes of Schedule 8, the revenue anticipated from posted discounts had they not been applied. <u>Posted discounts means a discount to charges payable for the supply of gas pipeline services</u> <u>(a) that is offered by the GTB in a published tariff schedule; and</u> (a)(b) <u>the take-up of which is determined by consumers.</u>

Number of assets at end of disclosure year end by installation date	means the total quantity of assets in the prescribed asset category and asset class installed in the network at the end of the disclosure year that were first installed in the prescribed year, expressed in the prescribed unit
Number of confirmed public reported gas escapes per system length (escapes/1000 km)	means any escape of gas confirmed by the GTB excluding third party damage events, routine surveys find and no traces events
Number of connection points	means the number of intake points and offtake points, with each bidirectional point included and counted as a single point
Number of <u>new</u> connections	means <u>the</u> number of new <u>intake points and</u> offtake points <u>commissioned during the disclosure year, with each new bidirectional point included and counted as a single point</u>
Number with age unknown	means the total quantity of assets in the prescribed asset category and asset class installed in the network for which no installation information is known and no default date has been assigned
Odourisation plant	means a plant where an odourant is added into the gas stream
Opening RAB (tax value)	means the sum of regulatory tax asset values for assets included in the total opening RAB value
Opening RIV	means total opening RAB value
Opening <u>sum of regulatory tax asset values</u> RAB (tax value)	means the sum of regulatory tax asset values for assets included in the total opening RAB value <u>plus the regulatory tax asset values of assets referred to in clause 2.3.6(4)(b) of the IM determination</u>
Opening tax losses	has the meaning given to that term in clause 2.3.2(3) of the IM determination
Opening value of fully depreciated, disposed and lost assets	means- (a) in relation to the unallocated RAB, the sum of unallocated RAB values of assets included in the total opening RAB values that are fully depreciated during the disclosure year, asset disposals and lost assets included in lost and found assets adjustment; (b) in relation to the RAB, the sum of RAB values of assets included in the total opening RAB values of assets that are fully depreciated during the disclosure year, asset disposals and lost assets included in the lost and found assets adjustment
Operating surplus / (deficit)	means total regulatory income less operational expenditure less pass through and recoverable costs <u>excluding financial incentives and wash-ups</u>
Original allocation	means the operational expenditure or regulated service asset values allocated to gas transmission services in accordance with the allocations and line items made in the previous disclosure year
Original allocator or line items	means the allocator or line items that were used prior to the change in allocator or line items

<u>Original requirements</u>	means the Gas (Information Disclosure) Requirements 1997
Original tenor	means- (a) where the qualifying debt or non-qualifying debt is not issued to a related party, the term of a qualifying debt or non-qualifying debt at the issue date; (b) where the qualifying debt or non-qualifying debt is issued to a related party, the shorter of the- (i) the tenor of the qualifying debt; or (ii) the period from the qualifying debt's issue date to the earliest date on which its repayment is or may be required
Other adjustments to the RAB tax value	means- $q = a - (b + c - d - e + f + g)$ where- a = closing sum of regulatory tax asset value values <u>RAB (tax value)</u> b = opening sum of regulatory tax asset values <u>RAB (tax value)</u> c = regulatory tax asset value of assets commissioned d = regulatory tax asset value of asset disposals e = tax depreciation f = <u>lost and found assets adjustment</u> g = <u>adjustment resulting from asset allocation</u>
<u>Other financial incentives</u>	means recoverable costs specified by the Commission under clause 53V(2)(c) of the Act, and classified by the Commission as a financial incentive
<u>Other network assets</u>	means network assets used by the GTB to provide gas transmission services that are not pipes, stations, compressors, mainline valves, or special crossings
<u>Other recoverable costs excluding financial incentives and wash-ups</u>	means recoverable costs specified by the Commission under clause 53V(2)(c) of the Act, excluding other financial incentives and other wash-ups
<u>Other regulated income</u>	has the meaning given in the IM determination
<u>Other regulated income (other than gains / (losses) on asset disposals</u>	means other regulated income excluding gains / (losses) on asset disposals
<u>Other regulated service</u>	has the meaning given set out in the IM determination
Other related party transactions	means the value of related party transactions that are not disclosed as total regulatory income, operational expenditure, capital expenditure or market value of asset disposals
Other specified pass-through costs	means costs identified in clause 3.1.2(1)(b) of the IM determination
Other stations	means a station other than a compressor station

<u>Other wash-ups</u>	<u>means recoverable costs specified by the Commission under clause 53V(2)(c) of the Act, and classified by the Commission as a wash-up</u>
OVABAA allocation increase	has the meaning given set out in the IM determination
<u>Pass through and recoverable costs excluding financial incentives and wash-up costs</u>	<u>means the sum of</u> <u>(a) rates;</u> <u>(b) Commerce Act levies;</u> <u>(c) industry levies;</u> <u>(d) CPP specified pass through costs;</u> <u>(e) balancing gas costs; and</u> <u>(f) other recoverable costs excluding financial incentives and wash-ups</u>
Pass through and recoverable costs	means a cost specified in clause 3.1.2 or 3.1.3 of the IM determination
Posted discounts	means a discount to charges payable for the supply of gas pipeline services (a) that is offered by the GTB in a published tariff schedule; and (b) the take up of which is determined by consumers
Previous years' incremental gain/(loss)	means the incremental change or incremental adjustment term for the disclosure year in question determined in accordance with clause 3.3.1 of the IM determination
Previous years' incremental gain/(loss) adjusted for inflation	means the previous years' incremental gain/(loss) carried forward by applying the inflation rate in accordance with clause 3.3.2(1) of the IM determination
Price category code	means the relevant code in the schedule published by the GTB that is used to unambiguously define line charges for a consumer
Price component	means the various tariffs, fees and charges that constitute the components of the total price paid, or payable, by a consumer
Pricing date	means the day on which a qualifying debt is priced
Pricing schedule	means the list of prices by price category code for the provision of gas pipeline services that is publicly disclosed
Proportion of emergencies responded to within 1 hour (%)	means the number of emergencies responded to within 60 minutes / total number of emergencies
Proportion of emergencies responded to within 3 hours (%)	means the number of emergencies responded to within 180 minutes / total number of emergencies
Qualifying debt	has the meaning given set out in paragraph (a) of the defined term in clause 1.1.4(2) of the IM determination

<u>Quantity of gas delivered (TJ)</u>	<u>means for a network or a transmission system, the volume of gas delivered to offtake points on that network or transmission system (as the case may be). The quantity of gas for bidirectional connection points shall be the gross volume delivered. Expressed in TJ.</u>
Rates	means a cost specified in clause 3.1.2(2)(a) of the IM determination
Rationale for change	means the rationale for changing the allocator or line items, including whether the change occurred because of change in circumstance or another reason
Reason for non-standard depreciation	means- (a) in relation to assets or groups of assets where depreciation is included in depreciation - no standard life asset, 'no standard life'; (b) in relation to assets or groups of assets where depreciation is included in depreciation - modified life assets, 'modified life'; (c) in relation to assets or groups of assets where depreciation is included in depreciation - alternative depreciation determined in accordance with CPP, 'CPP amendment'
Recoverable costs	ibr has the meaning set out in the IM determination
Recoverable customised price-quality path costs	means a costs specified in <u>either</u> clause 3.1.3(b), (c), (d), (e), (f), (g) or (h) of the IM determination
Regulated supplier	has the meaning given set out in the IM determination
<u>Regulatory investment value</u>	<u>means opening RIV</u>
Regulatory net taxable income	has the meaning given specified in clause 2.3.1(2) of the IM determination
Regulatory period	has the meaning given set out in the IM determination
Regulatory profit / (loss)	means the regulatory profit / (loss) before tax less the regulatory tax allowance
Regulatory profit / (loss) before tax	means the value of q calculated using the following formula: $q = a - b + c$ where: a = operating surplus / (deficit) b = total depreciation c = total CPI revaluations
<u>Regulatory profit / (loss) including financial incentives and wash-ups</u>	<u>means the regulatory profit / (loss) before tax less the regulatory tax allowance less the term credit spread differential</u>
Regulatory tax allowance	has the meaning given set out in clause 2.3.1 of the IM determination
Regulatory tax asset value	has the meaning given set out in the IM determination
Regulatory tax asset value of asset disposals	means the sum of regulatory tax asset values for assets that have a value in asset disposals

Field Code Changed

Regulatory tax asset value of assets commissioned	means the sum of regulatory tax asset values for assets that have a value in assets commissioned
Regulatory taxable income	has the meaning given set out in the IM determination
Reliability, Safety and Environment	in relation to expenditure, means the sum of quality of supply, legislative and regulatory, and other reliability, safety and environment.
Request for reserved capacity	means a notice from a shipper to a GTB that (a) is made before the start of the disclosure year in respect of which the request relates; and (b) specifies the pipeline capacity or capacities to which the shipper requires either (i) access; or (ii) priority access for the duration or part of the disclosure year
Research and development	in relation to expenditure, means expenditure on assets or operational expenditure where the primary driver for the expenditure relates to increasing the efficient provision of gas pipeline services through- <ul style="list-style-type: none"> • implementing an original and planned investigation undertaken with the prospect of gaining new scientific or technical knowledge or understanding; or • applying research findings or other knowledge to a plan or design for the production of new or substantially improved materials, devices, products, processes, systems or services before the start of commercial production or use
Response time to emergencies (RTE)	means the time elapsed from when an emergency is reported to a GTB representative until the GTB's personnel arrives at the location of the emergency
Revaluation rate	has the meaning given set out in the IM determination
Revenue related working capital	means for- <ul style="list-style-type: none"> • the alternative opening RIV, the revenue for the last month of the previous disclosure year; and • the alternative closing RIV, the revenue for the last month of the disclosure year
ROI	means return on investment

<p>ROI <u>q</u> comparable to a post-tax WACC</p>	<p><u>means-</u></p> <p>(a) <u>in relation to the ROI – comparable to a post tax WACC reflecting all revenue earned</u></p> $q = a - (d \times e \times f)$ <p>(b) <u>in relation to the ROI – comparable to a post tax WACC excluding revenue earned from financial incentives</u></p> $q = b - (d \times e \times f)$ <p>(c) <u>in relation to the ROI – comparable to a post tax WACC excluding revenue earned from financial incentives and wash-ups</u></p> $q = c - (d \times e \times f)$ <p><u>where</u></p> <p><u>a = ROI – comparable to a vanilla WACC reflecting all revenue earned</u></p> <p><u>b = ROI – comparable to a vanilla WACC excluding revenue earned from financial incentives</u></p> <p><u>c = ROI – comparable to a vanilla WACC excluding revenue earned from financial incentives and wash-ups</u></p> <p><u>d = cost of debt assumption</u></p> <p><u>e = leverage</u></p> <p><u>f = corporate tax rate</u> means the ROI comparable to the vanilla WACC less the product of the cost of debt assumption(%), the leverage and the corporate tax rate</p>
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<p>ROI <u>—</u> comparable to a vanilla WACC</p>	<p>means-</p> <p><u>means the internal rate of return for a schedule of cash flows that occur according to a schedule of dates where the schedules of cash flows and dates-</u></p> <p><u>(a) — in relation to the ROI — comparable to a vanilla WACC reflecting all revenue earned, are-</u></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Cash flows</u></th> <th style="text-align: left;"><u>Dates</u></th> </tr> </thead> <tbody> <tr> <td><u>- Opening RIV</u></td> <td><u>365 days before year-end</u></td> </tr> <tr> <td><u>- Mid-year net cash outflows</u></td> <td><u>182 days before year-end</u></td> </tr> <tr> <td><u>Line charge revenue</u></td> <td><u>148 days before year-end</u></td> </tr> <tr> <td><u>- Term credit spread differential allowance</u></td> <td><u>Year-end</u></td> </tr> <tr> <td><u>Closing RIV</u></td> <td><u>Year-end</u></td> </tr> </tbody> </table> <p><u>(b) — in relation to the ROI — comparable to a vanilla WACC excluding revenue earned from financial incentives, are-</u></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Cash flows</u></th> <th style="text-align: left;"><u>Dates</u></th> </tr> </thead> <tbody> <tr> <td><u>- Opening RIV</u></td> <td><u>365 days before year-end</u></td> </tr> <tr> <td><u>- (Mid-year net cash outflows less (financial incentives multiplied by the corporate tax rate))</u></td> <td><u>182 days before year-end</u></td> </tr> <tr> <td><u>Line charge revenue less financial incentives</u></td> <td><u>148 days before year-end</u></td> </tr> <tr> <td><u>- Term credit spread differential allowance</u></td> <td><u>Year-end</u></td> </tr> <tr> <td><u>Closing RIV</u></td> <td><u>Year-end</u></td> </tr> </tbody> </table> <p><u>(c) — in relation to the ROI — comparable to a vanilla WACC excluding revenue earned from financial incentives and wash-ups, are-</u></p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Cash flows</u></th> <th style="text-align: left;"><u>Dates</u></th> </tr> </thead> <tbody> <tr> <td><u>- Opening RIV</u></td> <td><u>365 days before year-end</u></td> </tr> <tr> <td><u>- (Mid-year net cash outflows less (financial incentives and wash-ups multiplied by the corporate tax rate))</u></td> <td><u>182 days before year-end</u></td> </tr> <tr> <td><u>Line charge revenue less financial incentives and wash-up costs</u></td> <td><u>148 days before year-end</u></td> </tr> <tr> <td><u>- Term credit spread differential allowance</u></td> <td><u>Year-end</u></td> </tr> <tr> <td><u>Closing RIV</u></td> <td><u>Year-end</u></td> </tr> </tbody> </table> <p><u>————— $q = (1 + \text{half-yearly IRR})^2 - 1$</u></p> <p><u>where:</u> <u>half-yearly IRR = IRR (3 half-yearly amounts)</u></p> <p><u>where the 3 half-yearly amounts are-</u> <u>the negative of opening RIV (year-start)</u> <u>notional net cash flows (mid-year)</u> <u>the closing RIV less term credit spread differential allowance (year-end)</u></p>	<u>Cash flows</u>	<u>Dates</u>	<u>- Opening RIV</u>	<u>365 days before year-end</u>	<u>- Mid-year net cash outflows</u>	<u>182 days before year-end</u>	<u>Line charge revenue</u>	<u>148 days before year-end</u>	<u>- Term credit spread differential allowance</u>	<u>Year-end</u>	<u>Closing RIV</u>	<u>Year-end</u>	<u>Cash flows</u>	<u>Dates</u>	<u>- Opening RIV</u>	<u>365 days before year-end</u>	<u>- (Mid-year net cash outflows less (financial incentives multiplied by the corporate tax rate))</u>	<u>182 days before year-end</u>	<u>Line charge revenue less financial incentives</u>	<u>148 days before year-end</u>	<u>- Term credit spread differential allowance</u>	<u>Year-end</u>	<u>Closing RIV</u>	<u>Year-end</u>	<u>Cash flows</u>	<u>Dates</u>	<u>- Opening RIV</u>	<u>365 days before year-end</u>	<u>- (Mid-year net cash outflows less (financial incentives and wash-ups multiplied by the corporate tax rate))</u>	<u>182 days before year-end</u>	<u>Line charge revenue less financial incentives and wash-up costs</u>	<u>148 days before year-end</u>	<u>- Term credit spread differential allowance</u>	<u>Year-end</u>	<u>Closing RIV</u>	<u>Year-end</u>
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<u>Routine expenditure</u>	<u>means expenditure on assets related to non-network assets that is not atypical expenditure</u>
SCADA and communications	means a Supervisory Control and Data Acquisition system and its associated communications system that is used to monitor and control the operation of a network
Secondary assets	means system fixed assets that support the conveyance of gas. Secondary assets include protection, SCADA and communication systems and chromatographs, but do not include compressors and river crossings
Self-insurance allowance	means any self-insurance allowance allowed by the Commission through a CPP
Service interruptions, incidents and emergencies	<p>in relation to expenditure, means operational expenditure where the primary driver is an unplanned instantaneous event or incident that impairs the normal operation of network assets. This relates to reactive work (either temporary or permanent) undertaken in the immediate or short term in response to an unplanned event. This category also includes the direct cost of providing a service to respond to reported gas escapes, loss of supply and low pressure reports to make safe, including a repair allowance, the cost of rechecks, restoring supply, provision for 24/7 response and any waiting/non-productive time for response teams. Includes back-up assistance required to restore supply, repair leaks or make safe. It also includes operational support used during the outage or emergency response. It also includes any necessary response to events arising upstream. It does not include expenditure on activities performed proactively to mitigate the impact such an event would have should it occur.</p> <p>Planned follow-up activities resulting from an event which were unable to be permanently repaired in the short term are to be included under routine and corrective maintenance and inspection</p>
Shipper	means a person who is a party to a contract with a transmission system owner to have gas transported through all or part of the transmission system
<u>Special crossings</u>	<u>means a section of pipe and associated assets (i.e., support structures, vents, casings etc), where the associated assets are installed for the purpose of crossing a road, railway or river etc</u>
Standard consumer	means a consumer of the GTB that has a standard contract with that GTB for the provision of gas transmission services
System length (km) (at year end)	means the total length of pipeline (in kilometres) that form the transmission system as at the end of the current disclosure year
System operations	<p>in relation to expenditure, means operational expenditure relating to office based system operations, including</p> <ul style="list-style-type: none"> • control centre costs • for gas transmission, critical system operator activities (including OATIS) • outage planning and notification • production facility liaison

System operations	in relation to expenditure, means operational expenditure relating to office based system operations, including <ul style="list-style-type: none"> control centre costs for gas transmission, critical system operator activities (including OATIS) outage planning and notification planning and co-ordinating network switching including fault switching production facility liaison
Tax depreciation	has the meaning given set out in clause 2.3.5(3) of the IM determination
Tax effect	has the meaning given set out in the IM determination
Tax effect of adjusted depreciation	means the tax effect of adjusted depreciation, using the definitions of “tax effect” and “adjusted depreciation” in this schedule
Tax effect of other temporary differences	means the tax effect of positive temporary differences less negative temporary differences. Positive temporary differences and negative temporary differences have the meanings set out in clause 2.3.5 of the IM determination
Tax effect of total tax depreciation	means the tax effect of total tax depreciation using the definitions of “tax effect” and “tax depreciation” in this schedule
Tax payments	means regulatory tax allowance recognised proportionally to how the GTB has paid (or would have paid) tax over the tax year preceding the end of the disclosure year
Term credit spread difference	has the meaning given set out in the IM determination
Term credit spread differential allowance	has the meaning given set out in the IM determination
Total attributable to GTB regulated service	means the sum of directly attributable costs or assets and not directly attributable costs or assets that are attributable to gas transmission services
Total book value of interest bearing debt	means the sum of book value of qualifying debt and non-qualifying debt at the date of the latest general purpose financial statements
Total closing RAB values	means- <ul style="list-style-type: none"> (a) in relation to the unallocated RAB, the sum of unallocated closing RAB values as determined in accordance with the IM determination; (b) in relation to the RAB, the sum of closing RAB values as determined in accordance with the IM determination
Total depreciation	means- <ul style="list-style-type: none"> (a) in relation to the unallocated RAB, the sum of unallocated depreciation as determined in accordance with the IM determination; (b) in relation to the RAB or regulatory profit, the sum of depreciation as determined in accordance with the IM determination
Total gas conveyed (TJ)	means the sum of quantity of gas delivered (TJ), gas used in compressor stations (TJ), gas used in heating systems and vented gas (TJ). Expressed in TJ.

Total gas delivered to customers	means total offtake volume
Total gas entering the system at injection points	means total intake volume
Total gas used in compressor stations	gas used in the operation of compressor stations on the network
Total gas used in heaters	gas used in the operation of heating systems on the network
Total opening RAB values subject to revaluations	means- (a) in relation to the unallocated RAB, total opening RAB values - unallocated RAB less opening RAB value of fully depreciated, disposed and lost assets - unallocated RAB; (b) in relation to the RAB, total opening RAB values - RAB less opening RAB value of fully depreciated, disposed and lost assets – RAB
Total regulatory income	means- (a) in relation to the Report on Regulatory Profit, the sum of line charge revenue, gains / (losses) on asset disposals and other regulated income (b) in relation to the Report on Related Party Transactions, the income from related party transactions as determined after applying clauses 2.3.7 and 2.3.8 of this determination
Total revaluations	means- (a) in relation to the unallocated RAB, the sum of unallocated revaluation as determined in accordance with the IM determination; (b) in relation to the RAB or regulatory profit, the sum of revaluations as determined in accordance with the IM determination
Total unadjusted asset values	means the sum of 2009 authorisation assets and 2009 disclosed assets
Transmission charge	means any payment made in respect of the use of the transmission system
Unallocated initial RAB value	means the values of assets as determined in accordance with clause 2.2.3(1) of the IM determination
Unregulated services	has the meaning set out in the IM determination

<u>Unaccounted for gas (TJ)</u>	<p>means:</p> <p>(a) for a network, the sum of: <u>intake volume (TJ), minus</u> <u>change in line pack (TJ), minus</u> <u>total gas conveyed (TJ)</u> <u>for that network; and</u></p> <p>(b) for a transmission system, the sum of: <u>intake volume (TJ), plus</u> <u>the net volume of gas entering or leaving that system through direct</u> <u>interconnections with other transmission systems owned by the same GTB,</u> <u>where net inflows are positive and net outflows are negative, minus</u> <u>change in line pack (TJ), minus</u> <u>total gas conveyed (TJ)</u> <u>for that transmission system.</u></p> <p><u>Expressed in TJ</u></p>
Utilised tax losses	has the meaning given set out in paragraph (a) of the defined term in the IM determination
<u>Value of commissioned assets</u>	means the value of ‘assets commissioned’
Value of transaction	means the value of the related party transaction as determined in accordance with clauses 2.3.7 and 2.3.8 5 of section 2.3 of this determination
<u>Vented gas</u>	means for a network or a transmission system, any quantity of gas estimated to have been (deliberately or otherwise) vented from that network or transmission system (as the case may be) during the disclosure year. Expressed in TJ
<u>WACC rate used to set regulatory price path</u>	<p>means-</p> <p>(a) in relation to a GTB subject to a section 52P determination setting out the requirements of a default price-quality path, the WACC estimate determined in accordance with clause 4.4.7(1) of the IM determination for the DPP regulatory period the disclosure year falls within;</p> <p>(b) in relation to a GTB subject to an amendment to a section 52P determination setting out the requirements of a CPP, the WACC estimate used to set that CPP determination for the disclosure year.</p>
<u>Wash-up costs</u>	<p>means the sum of-</p> <p>(a) <u>input methodology claw-back;</u></p> <p>(b) <u>recoverable customised price-quality path costs; and</u></p> <p>(c) <u>other wash-ups</u></p>
Weighted average expected total asset life	means the weighted average expected total asset life of assets calculated by using the opening RAB values as weights where opening RAB value has the meaning given set out in the IM D etermination
<u>Weighted average pipe diameter (mm)</u>	means the weighted average pipe diameter, expressed in millimetres, based on the length of pipeline segments that form the transmission system <u>network</u>
<u>Weighted average remaining asset life</u>	means the weighted average remaining asset life of assets calculated by using the opening RAB values as weights where remaining asset life and opening RAB values has the meaning set out in the IM Determination
<u>Weighted average pipe diameter (mm)</u>	means the weighted average pipe diameter, expressed in millimetres, based on the length of pipeline that form the network

<p><u>Year-end ROI – comparable to a post tax WACC</u></p>	<p><u>means the year-end ROI – comparable to the vanilla WACC less the product of the cost of debt assumption(%), the leverage and the corporate tax rate</u></p>
<p><u>Year-end ROI – comparable to a vanilla WACC</u></p>	<p>means:</p> $q = \frac{a - (b + c)}{d + (e \times .5)}$ <p>where:</p> <p><u>a</u> = <u>Regulatory profit / (loss) including financial incentives and wash-ups</u> <u>b</u> = <u>Financial incentives</u> <u>c</u> = <u>Wash-ups</u> <u>d</u> = <u>Opening RIV</u> <u>e</u> = <u>Assets commissioned</u></p>
<p><u>Year change made</u></p>	<p>means-</p> <p>(a) — <u>in relation to assets or groups of assets where depreciation is included in depreciation—no standard life asset, the year the asset was acquired;</u> (b) — <u>in relation to assets or groups of assets where depreciation is included in depreciation—modified life assets, the year the asset life was modified;</u> (c) — <u>in relation to assets or groups of assets where depreciation is included in depreciation—alternative depreciation determined in accordance with CPP, the start of the CPP period</u></p>

Schedule 17 Certification for Year-beginning Disclosures

Clause 2.9.1

We, [insert full names], being directors of [name of GTB] certify that, having made all reasonable enquiry, to the best of our knowledge-

- a) the following attached information of [name of GTB] prepared for the purposes of clauses 2.6.1, ~~and subclauses 2.6.3-2.6.3(4), 2.6.6-2.6.5(2) and 2.7.2 and~~ *[and subclause 2.13.7(1)(b)-2.12.12(1)(b)] of the Gas Transmission Information Disclosure Determination 2012 in all material respects complies with that determination;
- b) ~~The~~ prospective financial or non-financial information included in the attached information has been measured on a basis consistent with regulatory requirements or recognised industry standards; ~~and-~~
- c) The forecasts in Schedules 11a, 11b, 12a and 12b are based on objective and reasonable assumptions which both align with [name of GTB]'s corporate vision and strategy and are documented in retained records.

~~*Delete if inapplicable~~

[Signatures of 2 directors]
[Date]

Schedule 18 Certification for Disclosures at the Beginning of a Pricing Year

Clause 2.9.2

We, [insert full names], being directors of [name of GTB] certify that, having made all reasonable enquiry, to the best of our knowledge-

- a) the following attached information of [name of GTB] prepared for the purposes of clause 2.4.1 of the Gas Transmission Information Disclosure Determination 2012 in all material respects complies with that determination; [and](#)
- b) the prospective financial or non-financial information included in the attached information has been forecast on a basis consistent with regulatory requirements or recognised industry standards.

[Signatures of 2 directors]

[Date]

Schedule 19 Certification for Year-end Disclosures

Clause 2.9.3

We, [insert full names], being directors of [name of GTB] certify that, having made all reasonable enquiry, to the best of our knowledge-

- a) the information, prepared for the purposes of clauses 2.3.1, 2.3.2, 2.4.20, 2.5.1~~7~~ and 2.7.1~~7~~ and 2.7.2 of the Gas Transmission Information Disclosure Determination 2012 in all material respects complies with that determination; and
- b) the historical information used in the preparation of Schedules 8, 9a, 9b, 9c, 9d, 9e, 10a, 10b and 14 a and 14b has been properly extracted from the [name of GTB]'s accounting and other records sourced from its financial and non-financial systems, and that sufficient appropriate records have been retained [and if not, what records and systems were used]. ~~and~~
- ~~c) the forecasts in Schedules 11a, 11b, 12a, 12b and 12c are based on objective and reasonable assumptions which both align with [name of GTB]'s corporate vision and strategy and are documented in retained records.~~

*[In respect of related party costs and revenues recorded in accordance with subclauses ~~2.3.7(1)2.3.6(1)~~ (when valued in accordance with clause 2.2.11(5)(h)(ii) of the Gas Transmission Services Input Methodologies Determination 2010), ~~2.3.7(2)(f)2.3.6(2)(f)~~ and ~~2.3.8(2)(b)2.3.7(2)(b)~~, we certify that, having made all reasonable enquiry, including enquiries of our related parties, we are satisfied that to the best of our knowledge and belief the costs and revenues recorded for related party transactions reasonably reflect the price or prices that would have been paid or received had these transactions been at arm's-length.]

* [in respect of the application of OVABAA in the allocation of costs or assets in accordance with clause 2.1.5 of the IM determination, we certify that, having made all reasonable enquiry, including enquiries of our related policies, we are satisfied that to the best of our knowledge and belief, the unregulated service would be unduly deterred if the OVABAA allocation was less than that disclosed.]

* Delete if inapplicable

[Signatures of 2 directors]

[Date]

Schedule 20—Certification for Transitional Disclosures

Clause 2.9.4

We, [insert names], being directors of [name of GTB] certify that, having made all reasonable enquiry, to the best of our knowledge the information, prepared for the purposes of clauses 2.12.1, 2.12.2, 2.12.5, 2.12.6, 2.12.8, and 2.12.10 of the Gas Transmission Information Disclosure Determination 2012 in all material respects complies with that determination.

{Signatures of 2 directors}

{Date}