

Draft for Consultation

Gas Distribution Information Disclosure Determination 2015

Consolidating all proposed amendments

Contents

- [Draft] Gas Distribution Information Disclosure Determination 2015
- [Draft] Gas Distribution Information Disclosure Determination 2015 – identifying proposed amendments as track changes

Date of publication: 22 October 2014

[Draft] Gas Distribution Information Disclosure Determination 2015

Consolidating all amendments as of [XX XXXX] 2015

Gas Distribution Information Disclosure Determination under Part 4 of the Commerce Act 1986. The reasons supporting the determination are outlined in the Information Disclosure for Electricity Distribution Businesses and Gas Pipeline Businesses: Final Reasons Paper, 1 October 2012 and the [Information Disclosure Amendments for Electricity Distribution Businesses and Gas Pipeline Businesses: Final Reasons Paper], [XX XXXX] 2015.

The Commerce Commission:

- Dr M Berry**
- S Begg**
- P Duignan**
- S Gale**

[XX XXXX] 2015

Date of Original Determination, Decision No. NZCC 23: 1 October 2012

Consolidating all amendments as of [XX XXXX] 2015

Determination version history		
Determination date	Decision number	Determination name
1 October 2012	NZCC 23	Gas Distribution Information Disclosure Determination ('principal determination').
[XX XXXX] 2015	[XXXX]	Gas Distribution Information Disclosure Determination Amendments (No. 1) 2015

Regulation Branch, Commerce Commission

Wellington, NEW ZEALAND

[XX XXXX] 2015

ISBN: [XXXX]

GAS DISTRIBUTION INFORMATION DISCLOSURE DETERMINATION 2015

PART 1	GENERAL PROVISIONS	6
1.1	TITLE	6
1.2	COMMENCEMENT DATE	6
1.3	APPLICATION	6
1.4	INTERPRETATION	6
PART 2	DISCLOSURE REQUIREMENTS	27
2.1	INFORMATION DISCLOSURE	27
2.2	APPLICABLE INPUT METHODOLOGIES	27
2.3	FINANCIAL INFORMATION FOR THE DISCLOSURE YEAR	28
2.4	PRICING AND RELATED INFORMATION	34
2.5	NON-FINANCIAL INFORMATION RELATING TO NETWORK ASSETS	40
2.6	ASSET MANAGEMENT PLANS AND FORECAST INFORMATION	41
2.7	EXPLANATORY NOTES TO DISCLOSED INFORMATION	43
2.8	ASSURANCE REPORTS	44
2.9	CERTIFICATES	45
2.10	RETENTION AND CONTINUING DISCLOSURES	46
2.11	EXEMPTIONS	46
2.12	DISCLOSURE OF ERRORS IN PREVIOUSLY DISCLOSED INFORMATION	46
2.13	TRANSITIONAL PROVISIONS	48
ATTACHMENT A:	ASSET MANAGEMENT PLANS	51
SCHEDULE 1:	ANALYTICAL RATIOS	64
SCHEDULE 2:	REPORT ON RETURN ON INVESTMENT	65
SCHEDULE 3:	REPORT ON REGULATORY PROFIT	67

SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)	69
SCHEDULE 5A: REPORT ON REGULATORY TAX ALLOWANCE	71
SCHEDULE 5B:REPORT ON RELATED PARTY TRANSACTIONS	73
SCHEDULE 5C:REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE	74
SCHEDULE 5D: REPORT ON COST ALLOCATIONS	75
SCHEDULE 5E:REPORT ON ASSET ALLOCATIONS	77
SCHEDULE 5F:REPORT SUPPORTING COST ALLOCATIONS	79
SCHEDULE 5G: REPORT SUPPORTING ASSET ALLOCATIONS	81
SCHEDULE 6A: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR	82
SCHEDULE 6B:REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR	85
SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE	86
SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES	87
SCHEDULE 9A: ASSET REGISTER	89
SCHEDULE 9B:ASSET AGE PROFILE	90
SCHEDULE 9C:REPORT ON PIPELINE DATA	91
SCHEDULE 9D: REPORT ON DEMAND	92
SCHEDULE 10A: REPORT ON NETWORK RELIABILITY AND INTERRUPTIONS	93
SCHEDULE 10B: REPORT ON NETWORK INTEGRITY AND CONSUMER SERVICE	94
SCHEDULE 11A: REPORT ON FORECAST CAPITAL EXPENDITURE	95
SCHEDULE 11B: REPORT ON FORECAST OPERATIONAL EXPENDITURE	99
SCHEDULE 12A: REPORT ON ASSET CONDITION	100
SCHEDULE 12B: REPORT ON FORECAST UTILISATION	101
SCHEDULE 12C: REPORT ON FORECAST DEMAND	102
SCHEDULE 13:REPORT ON ASSET MANAGEMENT MATURITY	103

SCHEDULE 14: MANDATORY EXPLANATORY NOTES	122
SCHEDULE 14A: MANDATORY EXPLANATORY NOTES ON FORECAST INFORMATION	128
SCHEDULE 15: VOLUNTARY EXPLANATORY NOTES	129
SCHEDULE 16: DEFINITIONS OF TERMS USED IN SCHEDULES 1 TO 15	130
SCHEDULE 17: CERTIFICATION FOR YEAR-BEGINNING DISCLOSURES	160
SCHEDULE 18: CERTIFICATION FOR DISCLOSURES AT THE BEGINNING OF A PRICING YEAR	161
SCHEDULE 19: CERTIFICATION FOR YEAR-END DISCLOSURES	162

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

PART 1 GENERAL PROVISIONS

1.1 TITLE

1.1.1 This Gas Distribution Information Disclosure Determination consolidates all amendments to [XX XXXX] 2015.

1.2 COMMENCEMENT DATE

1.2.1 This determination comes into force on [XX XXXX] 2015.

1.3 APPLICATION

1.3.1 This determination applies to **gas distribution 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 (including 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 in this determination;
- (7) Non-financial items must be measured and disclosed in accordance with standard industry practice unless otherwise required in this 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 in the IM determination
Allocator	means the measure used to allocate operating costs or regulated service asset values that are not directly attributable as set out in clause 2.1.3 or clause 2.1.5 of the IM determination
AMP	means asset management plan
AMP planning period	has the meaning specified in subclause 3.4 of Attachment A to this determination
AMP update	has the meaning specified in clause 2.6.4 of this determination
Asset disposals	means: <ul style="list-style-type: none"> (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; (b) in relation to the RAB, the value as determined in accordance with paragraph (a)) which was allocated to gas distribution services in accordance with clause 2.1.1 of the IM determination
Asset disposals to a regulated	means asset disposals disposed of to a

supplier	regulated supplier
Asset disposals to a related party	means asset disposals disposed of to a related party
Asset management plan	has the meaning in clause 2.6.1 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	<p>means-</p> <p>(a) in relation to capital expenditure, expenditure on assets</p> <p>(b) in relation to operational expenditure, operational expenditure 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-</p> <ul style="list-style-type: none"> • 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	<p>means-</p> <p>(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</p>

	<p>2.2.11 of the IM determination</p> <p>(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 distribution services in accordance with clause 2.1.1 of the IM determination</p> <p>(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</p>
Audited disclosure information	<p>means information disclosed under any of clauses 2.3.1, 2.3.2, and 2.12.2 of this determination, the SAIDI and SAIFI information disclosed in Schedule 10a(ii) under subclauses 2.5.1(1)(e) and 2.5.2(1)(e) and the explanatory notes disclosed in boxes 1 to 12 and 17 of Schedule 14 under clause 2.7</p>
	B
	C
Capital contributions	<p>has the meaning given in the IM determination</p>
Capital expenditure	<p>means-</p> <p>(a) in relation to the unallocated works under construction, costs:</p> <p>(i) incurred in the acquisition or development of an asset during the disclosure year that is, or is intended to be, commissioned; and</p> <p>(ii) that are included or are intended to be included in the value of assets commissioned relating to the unallocated RAB</p> <p>(b) in relation to the Report on related party transactions, costs:</p> <p>(i) incurred in the acquisition or development of an asset during the disclosure year that is, or is intended</p>

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

(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 in the IM determination
Constant prices	means, in relation to the prospective disclosures made under clauses 2.6.1, 2.6.3, and 2.6.5, 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 distribution services
Consumer connection	in relation to expenditure, means expenditure on assets where the primary driver is the establishment of a new customer connection point or alterations to an existing customer connection point. This expenditure category includes expenditure on assets relating to- (a) 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
 (b) both gas injection and offtake points of connection

Consumer group	means the category of consumer used by the GDB for the purposes of setting prices
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 GDB and a related party - (a) construction and maintenance (b) network management (c) connection and disconnection services
Cost of financing	means the cost of financing incurred by a GDB 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 distribution services in accordance with clause 2.1.1 of the IM determination
CPP	has the meaning given in the IM determination
Current year or CY	means- (a) in relation to the historic disclosures made under clause 2.3.1 of this determination, the disclosure year of the report (b) in relation to the prospective disclosures made under clauses 2.6.1, 2.6.3, and 2.6.5,

	the disclosure year in which the report is prepared
CY, CY-X or CY+X	means- (a) the current year ; or (b) where a '-' precedes 'X', the Xth year preceding the current year ; or (c) where a '+' precedes the 'X', the Xth year following the current year
D	
Directly attributable	has the meaning given in the IM determination
Director	has the meaning given in the IM determination
Disclosure year	means- (a) for Vector and for GasNet the 12 month period ending on 30 June of the year the disclosure relates to or, if the term disclosure year is preceded by a year, the 12 month period ended on 30 June of that year (b) for Powerco the 12 month period ending on 30 September of the year the disclosure relates or if the term disclosure year is preceded by a year, the 12 month period ended on 30 September of that year
DPP regulatory period	means the regulatory period that generally applies to suppliers that are subject to DPP regulation
E	
EDB	has the meaning given in the input methodology relating to electricity distribution services determined pursuant to Subpart 3 of Part 4 of the Act , as in effect at any given time
Error	means- (a) the base data was incorrect;

- (b) a factual statement was incorrect; or
- (c) the compilation of disclosed information was inconsistent with the information disclosure requirements in place at the time of disclosure; and

is not where-

- (d) the correction is to the **initial RAB**;
- (e) an estimate has changed due to new information becoming available;
- (f) the change is a **lost and found assets adjustment**;

Expenditure on assets

means 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

F

Fault

means a physical condition that causes a device, component or **network** element to fail to perform in the required manner

G

GAAP

means generally accepted accounting practice in New Zealand, as defined in the **IM determination**

Gains / (losses) on asset disposals

means, in relation to-

- (a) **asset disposals to a related party**, nil;
- (b) **asset disposals to a regulated supplier**, nil;
- (c) asset disposals (other), the values determined in accordance with **GAAP** and clause 2.1.1 of the **IM determination**

Gas distribution services

has the meaning given in the **IM determination**

Gas pipeline services

has the meaning given in s 55 of the **Act**

GDB	means gas distribution business as that term is defined in the IM determination
GPB	means gas pipeline businesses, and includes GDBs and GTBs
GTB	has the meaning given in the input methodology relating to gas transmission services determined pursuant to Subpart 3 of Part 4 of the Act , as in effect at any given time
H	
I	
ICP	means installation control point being the point at which a consumer installation is deemed to have gas supplied, and which represents the consumer installation on the registry
IM determination	means the input methodology relating to gas distribution services determined pursuant to Subpart 3 of Part 4 of the Act , as in effect at any given time
Independent auditor	means a person who- <ul style="list-style-type: none">(a) is qualified for appointment as auditor of a company under the Companies Act 1993 or, where the GPB 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 GPB 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

Initial RAB	has the meaning set out in the IM determination
Interruption	means a loss of gas supply upstream of the customer isolation valve (riser valve)
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	<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 distribution services in accordance with clause 2.1.1 of the IM determination</p> <p>(c) in relation to the regulatory tax asset base roll-forward, means the sum of regulatory tax asset values for found assets less the regulatory tax asset values of lost assets. The definition of ‘found assets’ and ‘lost assets’ are outlined in the IM determination</p>

M

Main pipe	means the pipes that transport gas from the bulk supply transmission system to each service pipe
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.

N

Network	has the meaning given 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 of the transaction
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;(b) asset management systems;(c) office buildings, depots and workshops;(d) office furniture and equipment;(e) motor vehicles; and(f) tools, plant and machinery
Non-standard contract	means a contract for gas distribution services that is not a standard contract
Not directly attributable	means: <ul style="list-style-type: none">(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 net cash flows	means line charge revenue less monthly net cash outflows

O

Operating cost	has the meaning given in the IM determination
Operational expenditure	means operating costs after applying clause 2.1.1 of the IM determination , except in relation to the 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 2.3.6 of this determination
Other regulated income	has the meaning given 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 GDB's environmental policies.

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 24 hours notice was given, either to the public or to all gas consumers affected by the interruption
Prescribed contract	means- <ul style="list-style-type: none">(a) a contract under which the GDB supplies gas pipeline services; or(b) a contract for related services, if goods or services are to be supplied under the contract by-

- (i) the **GDB**; or
- (ii) a **person** that is a **related party** of the **GDB**; or
- (iii) a **person** that carries out **gas pipeline services** by means of works owned by the **GDB**; 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 distribution 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) **GDB's** obligations and responsibilities (if any) to **consumers** in the event that the supply of **gas pipeline services** to **consumers** is interrupted.

Price component

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

Prices	has the meaning given 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 GDB on the GDB'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 of this determination
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	<p>means to-</p> <p>(a) disclose the information to the public on the Internet at the GDB's usual publicly accessible website;</p> <p>(b) make copies of the information available for inspection by any person during ordinary</p>

office hours, at the principal office of the **GDB** making the public disclosure and

- (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
- (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

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-

- (a) reduce the overall **interruption/fault** rate of the **network**;
- (b) reduce the average time that **consumers** are affected by **planned interruptions** and/or **unplanned interruptions**; or
- (c) reduce the average number of **consumers** affected by **planned interruptions** and/or **unplanned interruptions**

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 in section 4 of the Public

	Records Act 2005
Regulated service	has the meaning given in the IM determination
Regulated service asset value	has the meaning given in the IM determination
Related party	has the meaning given in the IM determination
Related party transaction	means a transaction with a related party
Related services	<p>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-</p> <p>(a) there is a linkage between-</p> <p style="padding-left: 20px;">(i) that contract; and</p> <p style="padding-left: 20px;">(ii) a contract for the supply or conveyance of gas</p> <p style="padding-left: 20px;">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</p> <p>(b) the monetary value of the goods or services supplied, or to be supplied, under the contract referred to in (a)(i), in respect of-</p> <p style="padding-left: 20px;">(i) the period of 12 months immediately before the information relating to the contract for the supply or conveyance of gas referred to in (a)(ii) is publicly disclosed as required by clauses 2.4.9 or 2.4.12 of this determination; or</p> <p style="padding-left: 20px;">(ii) the period of 12 months immediately after that information is publicly disclosed</p> <p>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)</p>
Routine and corrective maintenance and inspection	<p>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-</p> <p>(a) fault rectification work that is undertaken at a time or date subsequent to any initial fault</p>

- response and restoration activities
- (b) routine inspection
- (c) functional and intrusive testing of assets, plant and equipment including critical spares and equipment
- (d) helicopter, vehicle and foot patrols, including negotiation of landowner access
- (e) asset surveys
- (f) environmental response
- (g) painting of **network** assets
- (h) outdoor and indoor maintenance of **stations**, including weed and vegetation clearance, lawn mowing and fencing
- (i) maintenance of access tracks, including associated security structures and weed and vegetation clearance
- (j) customer-driven maintenance
- (k) notices issued

S

Service pipe	means the pipes used for the transport of gas from the main pipe to the customer isolation valve (riser valve)
Shared asset	means a network asset used by more than one consumer in order to receive gas pipeline services
Sole use assets	means assets connected to the network for use by only 1 connecting consumer in order to receive gas pipeline services
Special contract term	means- <ul style="list-style-type: none"> (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 (c) 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 main pipe or service 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 pipeline services) between a GDB and any other person , where- (a) the price at which the gas pipeline 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 other persons have such contracts with the GDB , and none of those other persons is a related party of the GDB , or is a related party of those other persons
Station	means a facility at which an operation on and/or measurement of the gas occurs by means of device(s) installed at the facility
Sub-network	means, in relation to network assets of- (a) Vector, either the assets located in the Auckland geographic region or the assets located outside that region; and (b) Powerco, either the assets located in the Wellington and the Hutt Valley and Porirua geographic regions or the assets located outside those regions
System	means, in relation to a pipeline owner, a configuration of connected pipes and other fittings that are used or intended to be used for

the conveyance or supply of gas

System growth

in relation to expenditure, means **expenditure on assets** where the **primary driver** is a change in demand 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

T

Target revenue

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

Total opening RAB value

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 disposals** and **other regulated income**
- (b) in relation to the Report on Related party transactions, income from **related party transactions** as determined after applying clauses 2.3.6 and 2.3.7 of this determination

Transitional AMP

has the meaning specified in subclause 2.13.1(2) of this determination

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
Unplanned interruption	means any interruption that is not a planned interruption

V

Value of capital contributions	means the value of capital contributions received by a GDB 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 distribution 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 GDB 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 and allocated to the gas distribution services in accordance with clause 2.1.1 of the IM determination
Valve	means a fitting installed in a pipeline designed to control the flow of gas

W

Works under construction	means- <p>(a) in relation to unallocated works under construction, the value of q calculated using the following formula:</p> $q = a + b - c + d$ <p>where-</p>
---------------------------------	--

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

b = **unallocated RAB capital expenditure**;

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

d = adjustment resulting from asset allocation;

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

X

Y

Z

PART 2 DISCLOSURE REQUIREMENTS

2.1 INFORMATION DISCLOSURE

2.1.1 Subject to sections 2.11 and 2.13, from the **commencement date** every **GDB** must comply with the information disclosure requirements set out in this determination and, in particular, must comply with-

- (1) The requirements to disclose financial 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 section 2.8 and 2.9;
- (7) The retention and continuous disclosure requirements in section 2.10;
- (8) The transitional provisions in section 2.13.

2.2 APPLICABLE INPUT METHODOLOGIES

2.2.1 Every **GDB** 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 Within 6 months after the end of each **disclosure year**, every **GDB** must disclose information relating to its financial position by-

- (1) Completing each of the following reports by inserting all information relating to the **gas pipeline services** supplied by the **GDB** 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 Within 6 months and 5 working days after the end of each **disclosure year**, every **GDB** must disclose to the **Commission** information supporting the information disclosed in accordance with clause 2.3.1 by completing each of the following reports by inserting all information relating to the information supplied by the **GDB** in Schedules 5d and 5e for that **disclosure year**-

- (1) the Report Supporting Cost Allocations set out in Schedule 5f;
- (2) the Report Supporting Asset Allocations set out in Schedule 5g.

Alternative method for return on investment information

2.3.3 In completing the Report on Return on Investment in Schedule 2-

- (1) Each **GDB** 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) the value of **assets commissioned** by the **GDB** exceeds 10% of the **total opening RAB values**; or
 - (b) the **notional net cash flows** exceed 40% of the annual **notional net cash flows**;
- (2) Otherwise a **GDB** may elect to disclose information in accordance with part 2(iii) of Schedule 2.

Term credit spread differential allowance

2.3.4 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

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

- (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

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

- (1) For the cost of a **commissioned** asset or a component of a **commissioned** asset acquired from a **related party**, as determined in accordance with clause 2.2.11(1)(e)-(g) of the **IM determination**;
- (2) For any service or good which was acquired from a **related party**, 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 clause 2.1.1 of the **IM determination**, provided that the cost incurred by the **related party** in providing the service to the **GDB**-
 - (i) is fair and reasonable to the **GDB**; 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 **GDB**, where-
 - (i) at least 50% of the **related party**'s sales of services or 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 **GDB**, where—
 - (i) the price paid for all services, goods, and assets acquired from that **related party** is less than 1% of the **GDB**'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 **GDB**'s total revenue from the **regulated service**;
or
- (e) at the price paid by the **GDB** 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 or goods by the **related party** does not include any **special contract terms**; and
 - (v) the **GDB** 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;
- (f) the price paid by the **GDB**, provided—
 - (i) the price cannot otherwise be determined under subclauses (a) to (e); and
 - (ii) no fewer than 2 **directors** of the **GDB** provide a written certification that they are satisfied that the price or prices paid

for all services, goods, or assets determined in accordance with this paragraph reflect the price or prices that would be received in an arm's-length transaction; or

(g) nil.

2.3.7 For the purpose of clause 2.3.1, the price received for any sale or supply of services, goods, or assets to a **related party**, must be one of the following-

- (1) If the **related party** is another **GDB**, an **EDB**, or **GTB** 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 **GDB** makes at least 50% of its revenue from the provision of similar services to unrelated parties, and the price charged by the **GDB** 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 **GDB** 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 **GDB** in providing the service, good, or asset.

Information on capital expenditure projects

2.3.8 In completing the Report on Capital Expenditure for the Disclosure Year in Schedule 6a, every **GDB** must disclose the following information in relation to material projects and programmes-

- (1) Separately disclose **consumer connection** expenditure for each consumer type defined by the **GDB** 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);
- (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 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).

Information on physical service life potential

2.3.9 For all assets or groups of assets where the **GDB** 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 **GDB** 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 **GDB** 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**;
- (4) Explains whether, and if so how, the **GDB** has sought the views of **consumers**, their expectations in terms of **price** and quality, and reflected those views in calculating the **prices** payable or to be payable. If the **GDB** 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 **prices** determined in accordance with the change or the different pricing methodology take effect.

2.4.3 Every disclosure under clause 2.4.1 must-

- (1) Include sufficient information and commentary to enable interested **persons** to understand how **prices** were set for each **consumer group**, including the assumptions and statistics used to determine **prices** for each **consumer group**;
- (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 **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 **GDB's** provision

of **gas pipeline services**. Disclosure must include the numerical value of each of the components;

- (5) State the **consumer groups** for whom **prices** have been set, and describe-
 - (a) the rationale for grouping **consumers** in this way;
 - (b) the method and the criteria used by the **GDB** to allocate **consumers** to each of the **consumer groups**;
- (6) If **prices** have changed from **prices** disclosed for the immediately preceding **pricing year**, explain the reasons for changes, and quantify the difference in respect of each of those reasons;
- (7) Where applicable, describe the method used by the **GDB** to allocate the **target revenue** among **consumer groups**, including the numerical values of the **target revenue** allocated to each **consumer group** and the rationale for allocating it in this way;
- (8) State the proportion of **target revenue** (if applicable) that is collected through each **price component** as **publicly disclosed** under clause 2.4.18.

2.4.4 Every disclosure under clause 2.4.1 must, if the **GDB** 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** 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 must-

- (1) Describe the approach to setting **prices** for **non-standard contracts**, including-
 - (a) the extent of **non-standard contract** use, including the number of **ICPs** represented by **non-standard contracts** and the value of **target revenue** expected to be collected from **consumers** subject to **non-standard contracts**;

- (b) how the **GDB** 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 **GDB's** obligations and responsibilities (if any) to **consumers** subject to **non-standard contracts** in the event that the supply of **gas pipeline 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 **GDB** 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 **GDB** 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 **GDB**;
- (3) If the **GDB** 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 the **GDB** seeks a **capital contribution**, queries the **capital contribution** charge (and when the charge is not covered in the

standard schedule of **capital contribution** charges, or no such schedule exists) a **GDB** 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 **GDB** determines the amount of **capital contributions**; or
- (2) The **GDB** has or can obtain information about the policy or methodology used by another **person** to determine **capital contributions** where the **GDB** receives those **capital contributions**.

Disclosure of prescribed terms and conditions of contracts

2.4.9 Every **GDB** 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** that is also a **standard contract** (including a **prescribed contract** that was entered into before 1 October 2012) are modified, the **GDB** 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 **GDB** of the **prescribed terms and conditions** of a **standard contract** is to be regarded as **public disclosure** by that **GDB** in relation to all of its **standard contracts** with the same **prescribed terms and conditions**.

2.4.12 Subject to section 53C(4) of the **Act**, every **GDB** 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-

- (1) **Publicly disclose** a description of the goods or services to be supplied under the **prescribed contract** and the quantity or amount of those goods or services; or
- (2) **Publicly disclose** 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 **GDB** 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** that are **non-standard 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 1 October 2012.
- 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 **GDB** must immediately **publicly disclose**, no earlier than 6 months after the end of the **disclosure year** in which the **prescribed contract** was modified-
- (1) The existence of the **prescribed contract** described in clause 2.4.14 that has been modified; and
 - (2) The fact of its modification.
- 2.4.16 Within 20 working days of a request by any **person**, the **GDB** must provide to the **person** and **publicly disclose** the **prescribed terms and conditions** of the **prescribed contract** described in clause 2.4.15, 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 **GDB** 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, include the following information-
- (1) The maximum hourly 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 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 **GDB** must at all times **publicly disclose**-

- (1) Each current **price** expressed in a manner that enables individual **consumers** to determine-
 - (a) the **consumer group** or **consumer groups** applicable to them;
 - (b) the total **price** for **gas pipeline services** applicable to them;
 - (c) the **prices** represented by each **price component** 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 **price** that was payable immediately before each current **price** (if any) expressed in the manner referred to in subclause (1).

2.4.19 Every **GDB** must, at least 20 working days before changing or withdrawing a **price** or introducing a new **price** that is payable by 5 or more **consumers**-

- (1) **Publicly disclose**-
 - (a) the information specified in clause 2.4.18 in respect of that **price**;
 - (b) an explanation of the reasons for the new **price** or the changed or withdrawn **price**.
- (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 in respect of that **price**; or
 - (b) notify **consumers** in the news section of either-
 - (i) 2 separate editions of each newspaper; or
 - (ii) news media accessible using the internet;that is widely read by **consumers** connected to that **GDB's network**, details of the changed **price**, including-

- (iii) the changed **price** alongside the immediately preceding **price** applicable;
- (iv) contact details where further details of the new or changed **price** can be found including the URL of the **GDB's** publicly accessible website.

2.4.20 Every **GDB** must, in respect of-

- (1) All new **prices** payable; or
- (2) In the case of withdrawn **prices**, the **prices** which would have been payable;

by 4 or fewer **consumers**, at least 20 working days before introducing a new **price**, give written notice to each **consumer** by whom that **price** is payable, the information specified in clause 2.4.18 in respect of that **price**.

Annual disclosure of information on billed quantities and line charge revenues

2.4.21 Within 6 months after the end of each **disclosure year**, every **GDB** must **publicly disclose** the information specified in Schedule 8.

2.4.22 If **prices** differ between **sub-networks**, a separate Schedule 8 must be completed for each **sub-network**.

2.5 NON-FINANCIAL INFORMATION RELATING TO NETWORK ASSETS

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

- (1) Complete each of the following reports by inserting all information relating to the **gas distribution services** supplied by the **GDB** 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 and Consumer Service set out in Schedule 10b; and

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

2.5.2 If a **GDB** has **sub-networks**, within 6 months after the end of each **disclosure year**, **GDB** must—

(1) complete each of the following reports by inserting all information relating to the **gas distribution services** supplied by the **GDB** in relation to each **sub-network** 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 and Consumer Service set out in Schedule 10b; and

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

2.6 ASSET MANAGEMENT PLANS AND FORECAST INFORMATION

2.6.1 Subject to clauses 2.6.3 and 2.13, before the start of each **disclosure year** commencing with the **disclosure year** 2014, every **GDB** must-

- (1) Complete an **AMP** that-
 - (a) relates to the **gas distribution services** supplied by the **GDB**;
 - (b) meets the purposes of **AMP** disclosure set out in clause 2.6.2;
 - (c) has been prepared in accordance with Attachment A to this determination;
 - (d) contains the information set out in in the schedules described in clause 2.6.5;
 - (e) contains the Report on Asset Management Maturity as described in clause 3.5 of 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) are that the **AMP**-

- (1) Must provide sufficient information for interested **persons** to assess whether-
 - (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 interested **persons** with a reasonable understanding of the management of infrastructure assets;
- (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 2.13, a **GDB** may elect to not comply with clause 2.6.1 in the current **disclosure year** if-

- (1) the start of the **disclosure year** described in clause 2.6.1 is not either-
 - (a) between 6 (inclusive) and 18 months after the start of the **DPP regulatory period**; or
 - (b) between 18 (inclusive) and 30 months before the start of the next **DPP regulatory period**; and
- (2) the **GDB** has **publicly disclosed** an **AMP** under clause 2.6.1 in respect of the prior **disclosure year**; and
- (3) completes and **publicly discloses**, before the start of the **disclosure year**, an **AMP update** as described under clause 2.6.4.

2.6.4 For the purpose of subclause 2.6.3(3), the **AMP update** must-

- (1) Relate to the **gas distribution services** supplied by the **GDB**;
- (2) Identify any material changes to the **network** development plans disclosed in the last **AMP** under clause 12 of Attachment A or in the last **AMP update** disclosed under this clause 2.6.4;

- (3) Identify any material changes to the lifecycle asset management (maintenance and renewal) plans disclosed in the last **AMP** pursuant to clause 13 of Attachment A or in the last **AMP update** disclosed under this 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 Report on Forecast Operational Expenditure set out in Schedule 11b;
- (5) Identify any changes to the asset management practices of the **GDB** that would affect a Schedule 13 Report on Asset Management Maturity disclosure; and
- (6) Contains the information set out in the schedules described in 2.6.5.

2.6.5 Before the start of each **disclosure year**, each **GDB** must complete and **publicly disclose** each of the following reports by inserting all information relating to the **gas distribution services** supplied by the **GDB** for the **disclosure years** provided for in the following reports-

- (1) the Report on Forecast Capital Expenditure in Schedule 11a;
- (2) the Report on Forecast Operational Expenditure in Schedule 11b;
- (3) the Report on Asset Condition in Schedule 12a;
- (4) the Report on Forecast Utilisation in Schedule 12b;
- (5) the Report on Forecast Demand in Schedule 12c.

2.7 EXPLANATORY NOTES TO DISCLOSED INFORMATION

2.7.1 Within 6 months after the end of each **disclosure year**, every **GDB** 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, 2.4.21, 2.4.22, subclauses 2.5.1(1)(e), and 2.5.2(1)(e), and clause 2.12.2.

- (1) In relation to details of any insurance cover for the assets used to provide **gas distribution services**, the explanatory notes in Schedule 14 must include-
 - (a) the **GDB'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 Before the start of each **disclosure year**, every **GDB** 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.
- 2.7.3 Within 6 months after the end of each **disclosure year**, every **GDB** may **publicly disclose** any further comments on the information disclosed in accordance with clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1 and 2.5.2, in Schedule 15.

2.8 ASSURANCE REPORTS

- 2.8.1 Where a **GDB** is required to **publicly disclose** any **audited disclosure information**, the **GDB** 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 **GDB** and to the **Commission** as the intended users of the assurance report;
 - (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 **GDB** 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 **GDB**'s accounting and other **records**, sourced from its financial and non-financial systems; and
 - (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 Commerce Act (Gas Distribution Services Information Disclosure) Determination 2015 have been kept by the **GDB** 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 **GDB** has complied, in all material respects, with the Gas Distribution Information Disclosure Determination 2015 in preparing the **audited disclosure information**; and
- (2) **Publicly disclose** the **independent auditor**'s assurance report prepared in accordance with subclause (1) at the same time as the **GDB publicly discloses** the **audited disclosure information**.

2.9 CERTIFICATES

- 2.9.1 Where a **GDB** is required to **publicly disclose** any information under clause 2.6.1, subclause 2.6.3(3), clauses 2.6.5 and 2.7.2, and subclause 2.13.1(1)(b), the **GDB** 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 **GDB**.
- 2.9.2 Where a **GDB** is required to **publicly disclose** any information under clause 2.4.1, the **GDB** 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 **GDB**.
- 2.9.3 Where a **GDB** is required to **publicly disclose**, or disclose to the **Commission**, any information under any of clause 2.3.1, 2.3.2, 2.4.21, 2.4.22, 2.5.1, 2.5.2, 2.7.1 and 2.12.2, the **GDB** 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 **GDB**.

2.10 RETENTION AND CONTINUING DISCLOSURES

- 2.10.1 A **GDB** that is required by this determination to **publicly disclose** any information must retain, and continuously **publicly disclose**, that information for at least 7 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 **GDB**-

- (1) Exempt the **GDB** 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 2.13.1, where an **error** is identified in previous information disclosures under clauses 2.3.1, 2.3.2, 2.4.21, 2.4.22, 2.5.1, 2.5.2, 2.7.1, 2.7.2 and 2.7.3 a **GDB** must-

- (1) within 1 month of identifying the **error**, provide the **Commission** with-
 - (a) a description of the **error**;
 - (b) the disclosure and data point the **error** has an effect on; and
 - (c) an explanation of the effect on each of the previous disclosures, including an indication of the materiality of that effect.

- (2) after disclosing the **error** to the **Commission** in accordance with subclause (1), disclose alongside the original disclosure-
 - (a) a description of the **error**;
 - (b) the schedules and data points the **error** effects; and
 - (c) where a disclosure relating to the **error** -
 - (i) has been made in accordance with clause 2.12.2, reference to the disclosure made in accordance with 2.12.2; or
 - (ii) in all other instances, an indication of the effect on each of the disclosures.

2.12.2 For each material **error** identified in clause 2.12.1, every **GDB** must -

- (1) include in the next Schedule 14 disclosed in accordance with clause 2.7.1-
 - (a) a description of the **error**;
 - (b) the previous and revised disclosures for each affected data point;
 - (c) the reason for the **error**; and
- (2) certify and audit the disclosure in accordance with the certification and audit requirement of the original disclosure.

2.12.3 Subject to clause 2.13.1, where a material **error** is identified in previous information disclosures under clauses 2.4.1 and 2.6.1, subclause 2.6.3(3) and clause 2.6.5 a **GDB** must-

- (1) disclose a new version of the disclosure in accordance with the requirement;
- (2) certify the revised disclosure in accordance with the requirement of the original disclosure;
- (3) disclose on the front page of the disclosure made in accordance with subclause (1);
 - (a) that the disclosure is a revised disclosure;
 - (b) the date of the original disclosure and date of the revised disclosure; and

- (c) reference to the information required to be disclosed in accordance with subclause (4);
- (4) include in the revised disclosure, near to where the effected information is disclosed, a description of the amendment that is sufficient for interested **persons** to understand the effect of the amendment on the disclosure; and
- (5) **publicly disclose** the revised disclosure.

2.12.4 Information, disclosed in accordance with any requirement of this determination, that refers to information previously disclosed must-

- (1) where a disclosure has been made in accordance with clauses 2.12.2 or 2.12.3, be consistent with the information disclosed under clauses 2.12.2 or 2.12.3 ; or
- (2) in all other instances, be consistent with the original disclosure.

2.13 TRANSITIONAL PROVISIONS

2.13.1 Notwithstanding any requirements set out in clauses 2.6.1, 2.6.2, 2.6.3 and 2.6.4, the following transitional provision applies to GasNet Limited in respect of each **disclosure year** before and during the first **DPP regulatory period**-

- (1) If GasNet Limited has not **publicly disclosed** an **AMP** under clauses 2.6.1 and 2.6.2 then GasNet Limited 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) The **transitional AMP** must-
 - (a) relate to the **gas distribution services** supplied by the **GDB**;
 - (b) be identifiable as a **transitional AMP** prepared pursuant to clause 2.13.1 of this determination;
 - (c) include the minimum requirements set out in subclause (3);
 - (d) include the forecast information set out in clause 2.6.5;
 - (e) include the Report on Asset Management Maturity in Schedule 13;

- (f) identify where the **GDB** considers the **AMP** does not yet conform to the requirements in clause 2.6.1, and set out the actions the **GDB** is taking to ensure the **AMP** will conform before the end of the first **DPP regulatory period**;
 - (g) identify any actions the **GDB** 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 **GDB** considers significant;
 - (b) details of the background and objectives of the **GDB'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 subclause 3.7 of attachment A;
 - (f) a description of the accountabilities and responsibilities for asset management, as set out in subclause 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;
 - (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.

A handwritten signature in black ink, appearing to read 'Sue Begg', written in a cursive style.

Sue Begg, *Deputy Chair*

Dated at Wellington this 1 day of October 2012.

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 **GDBs** 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 performance 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;
 - 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 **GDB'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;
 - 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 **GDBs**; and
- 2.11 Promote continual improvements to asset management practices.

*Disclosing an **AMP** does not constrain a **GDB** from managing its assets in a way that differs from the **AMP** if its circumstances change after preparing the plan or if the **GDB** 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 **GDB** considers significant;
 - 3.2 Details of the background and objectives of the **GDB's** asset management and planning processes; and
 - 3.3 A purpose statement which:
 - (a) makes clear the purpose and status of the **AMP** in the **GDB's** asset management practices. The purpose statement must also include a statement of the objectives of the asset management and planning processes;
 - (b) states the corporate mission or vision as it relates to asset management;
 - (c) identifies the documented plans produced as outputs of the annual business planning process adopted by the **GDB**;
 - (d) states how the different documented plans relate to one another, with particular reference to any plans specifically dealing with asset management; and
 - (e) 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 **GDB'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 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 information 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:
- (a) how the **GDB** meets the requirements; and
 - (b) the impact on asset management.
- 3.7 A description of stakeholder interests (owners, **consumers**, etc) which identifies important stakeholders and indicates:
- (a) how the interests of stakeholders are identified;
 - (b) what these interests are;
 - (c) how these interests are accommodated in asset management practices; and
 - (d) how conflicting interests are managed.
- 3.8 A description of the accountabilities and responsibilities for asset management on at least 3 levels, including-
- (a) 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**;
 - (b) executive—an indication of how the in-house asset management and planning organisation is structured; and
 - (c) 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-
- (a) quantified where possible;
 - (b) clearly identified in a manner that makes their significance understandable to interested **persons**, including-
 - (c) A description of changes proposed where the information is not based on the **GDB**'s existing business;
 - (d) the sources of uncertainty and the potential effect of the uncertainty on the prospective information; and
 - (e) 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 Report 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-*
- (a) how the asset management strategy is consistent with the **GDB**'s other strategy and policies;
 - (b) how the asset strategy takes into account the life cycle of the assets;
 - (c) the link between the asset management strategy and the **AMP**; and
 - (d) 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:*
- (a) the processes used to identify asset management data requirements that cover the whole of life cycle of the assets;
 - (b) 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;

- (c) the systems and controls to ensure the quality and accuracy of asset management information; and
- (d) the extent to which the 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 **GDB** for:

- (a) managing routine asset inspections and **network** maintenance;
- (b) planning and implementing **network** development projects; and
- (c) 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:*

- (a) *identify the documentation that describes the key components of the asset management system and the links between the key components;*
- (b) *describe the processes developed around documentation, control and review of key components of the asset management system;*
- (c) *where the **GDB** outsources components of the asset management system, the processes and controls that the **GDB** uses to ensure efficient and cost effective delivery of its asset management strategy;*
- (d) *where the **GDB** outsources components of the asset management system, the systems it uses to retain core asset knowledge in-house; and*

(e) *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-*

(a) *communicate asset management strategies, objectives, policies and plans to stakeholders involved in the delivery of the asset management requirements, including contractors and consultants; and*

(b) *demonstrate staff engagement in the efficient and cost effective delivery of the asset management requirements.*

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

3.18 The **AMP** must be structured and presented in a way that the **GDB** considers will support the purposes of **AMP** disclosure set out in clause 2.6.2 of the determination.

Assets covered

4. The **AMP** must provide details of the assets covered, including-

4.1 A map and high-level description of the areas covered by the **GDB**, including the region(s) covered; and

4.2 A description of the **network** configuration, including-

*if **sub-networks** exist, the **network** configuration information should be disclosed for each **sub-network**.*

(a) A map or maps, with any cross-referenced information contained in an accompanying schedule, showing the physical location of:

(i) All **main pipes**, distinguished by operating pressure;

(ii) All **ICPs** that have a significant impact on **network** operations or asset management priorities, and a description of that impact;

(iii) All gate **stations**;

(iv) All pressure regulation **stations**; and

- (b) if applicable, the locations where a significant change has occurred since the previous disclosure of the information referred to in subclause 4.2(a), including-
 - (i) a description of the parts of the **network** that are affected by the change; and
 - (ii) a description of the nature of the change.

Network assets by category

- 5. The **AMP** must describe the **network** assets by providing the following information for each asset category-
 - 5.1 pressure;
 - 5.2 description and quantity of assets;
 - 5.3 age profiles; and
 - 5.4 a discussion of the results of formal risk assessments of the assets, further broken down by subcategory as appropriate. Systemic issues leading to the premature replacement of assets or parts of assets should be discussed.
- 6. The asset categories discussed in clause 5 should include at least the following:
 - 6.1 main pipe;**
 - 6.2 service pipe;**
 - 6.3 stations;**
 - 6.4 line valve;
 - 6.5 special crossings;**
 - 6.6 monitoring and control systems;
 - 6.7 cathodic protection systems; and
 - 6.8 assets owned by the **GDB** but installed at gate **stations** owned by others.

Service Levels

- 7. 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**.

8. Performance indicators for which targets are defined in clause 7 must include—
 - 8.1 the DPP requirements required under the price quality path determination applying to the regulatory assessment period in which the next **disclosure year** falls;
 - 8.2 **consumer** oriented indicators that preferably differentiate between different consumer types;
 - 8.3 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; and
 - 8.4 the performance indicators disclosed in Schedule 10b of the determination.
9. 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.
10. Targets should be compared to historic values where available to provide context and scale to the reader.
11. Where forecast expenditure is expected to materially affect performance against a target defined in clause 7, 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**.*

Network Development Planning

12. **AMPs** must provide a detailed description of **network** development plans, including—
 - 12.1 A description of the planning criteria and assumptions for **network** development;
 - 12.2 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; and

- 12.3 The use of standardised designs may lead to improved cost efficiencies. This section should discuss:
- (a) the categories of assets and designs that are standardised; and
 - (b) the approach used to identify standard designs.
- 12.4 A description of the criteria used to determine the capacity of equipment for different types of assets or different parts of the **network**.
- The criteria described should relate to the **GDB's** philosophy in managing planning risks.*
- 12.5 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.
- 12.6 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:
- (a) explain the load forecasting methodology and indicate all the factors used in preparing the load estimates;
 - (b) provide separate forecasts to at least **system** level covering at least a minimum five 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
 - (c) identify any **network** or equipment constraints that may arise due to the anticipated growth in demand during the **AMP planning period**.

*The **AMP** should include a description of the methodology and assumptions used to produce the utilisation and capacity forecasts and a discussion of the limitations of the forecasts, methodology and assumptions. The **AMP** should also discuss any capacity limitations identified or resolved in years during which an **AMP** was not disclosed.*

- 12.7 Analysis of the significant **network** level development options identified and details of the decisions made to satisfy and meet target levels of service, including-
- (a) the reasons for choosing a selected option for projects where decisions have been made;

- (b) alternative options considered for projects that are planned to start in the next five years; and
- (c) consideration of planned innovations that improve efficiencies within the **network**, such as improved utilisation, extended asset lives, and deferred investment.

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

- (a) 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;
- (b) a summary description of the programmes and projects planned for the following four years (where known); and
- (c) 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 five years, alternative options should be discussed.*

Lifecycle Asset Management Planning (Maintenance and Renewal)

13. The **AMP** must provide a detailed description of the lifecycle asset management processes, including—

13.1 The key drivers for maintenance planning and assumptions;

13.2 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-

- (a) 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;
- (b) any systemic problems identified with any particular asset types and the proposed actions to address these problems; and
- (c) budgets for maintenance activities broken down by asset category for the **AMP planning period**;

- 13.3 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-
- (a) 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, and consideration of future demands on the **network** and the optimum use of existing **network** assets;
 - (b) a description of innovations that have deferred asset replacements;
 - (c) a description of the projects currently underway or planned for the next 12 months;
 - (d) a summary of the projects planned for the following four years (where known); and
 - (e) an overview of other work being considered for the remainder of the **AMP planning period**; and
- 13.4 The asset categories discussed in subclauses 13.2 and 13.3 should include at least the categories in clause 6.

Non-Network Development, Maintenance and Renewal

14. **AMPs** must provide a summary description of material non-network development, maintenance and renewal plans, including—
- 14.1 a description of **non-network assets**;
 - 14.2 development, maintenance and renewal policies that cover them;
 - 14.3 a description of material **capital expenditure** projects (where known) planned for the next five years; and
 - 14.4 a description of material maintenance and renewal projects planned (where known) for the next five years.

Risk Management

15. **AMPs** must provide details of risk policies, assessment, and mitigation, including—
- 15.1 Methods, details and conclusions of risk analysis;
 - 15.2 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;

- 15.3 A description of the policies to mitigate or manage the risks of events identified in subclause 15.2; and
- 15.4 Details of emergency response and contingency plans.

*Asset risk management forms a component of a **GDB's** overall risk management plan or policy, focusing on the risks to assets and maintaining service levels. **AMPs** should demonstrate how the **GDB** 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

- 16. **AMPs** must provide details of performance measurement, evaluation, and improvement, including—
 - 16.1 A review of progress against plan, both physical and financial;
 - (a) referring to the most recent disclosures made under subclause 2.5.1 of the determination, discussing any significant differences and highlighting reasons for substantial variances;
 - (b) 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
 - (c) commenting on progress against maintenance initiatives and programmes and discuss the effectiveness of these programmes noted.
 - 16.2 An evaluation and comparison of actual service level performance against targeted performance-
 - (a) in particular, comparing the actual and target service level performance for all the targets discussed in the previous **AMP** under clause 7 and explain any significant variances.
 - 16.3 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 **GDB's** asset management and planning processes.
 - 16.4 An analysis of gaps identified in subclauses 16.2 and 16.3. Where significant gaps exist (not caused by one-off factors), the **AMP** must describe any planned initiatives to address the situation.

Capability to deliver

17. **AMPs** must describe the processes used by the **GDB** to ensure that-
 - 17.1 The **AMP** is realistic and the objectives set out in the plan can be achieved; and
 - 17.2 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 type="text"/>	
		For Year Ended <input type="text"/>	
SCHEDULE 1: ANALYTICAL RATIOS			
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.			
sch ref			
7	1(i): Expenditure Metrics		
8		Expenditure per TJ energy delivered to ICPs (\$/TJ)	Ratio of expenditure to maximum monthly load (\$ per GJ/month)
9	Operational expenditure		Expenditure per average no. of ICPs (\$/ICP)
10	Network	-	-
11	Non-network	-	-
12			Expenditure per km of pipeline for supply (\$/km)
13	Expenditure on assets	-	-
14	Network	-	-
15	Non-network	-	-
16			
17			
18	1(ii): Revenue Metrics		
19		Revenue per TJ energy delivered to ICPs (\$/TJ)	Revenue per average no. of ICPs (\$/ICP)
20	Total line charge revenue	-	-
21	Standard consumer line charge revenue	-	-
22	Non-standard consumer line charge revenue	-	-
23			
24	1(iii): Service Intensity Measures		
25			
26	Demand density	-	Maximum monthly load (GJ per month) per system length
27	Volume density	-	Quantity of gas delivered per km of system length (TJ/km)
28	Connection point density	-	Average number of ICPs in disclosure year per system length
29	Energy intensity	-	Total GJ delivered to ICPs per average number of ICPs in disclosure year
30			
31	1(iv): Composition of Revenue Requirement		
32		(\$000)	% of revenue
33	Operational expenditure	-	-
34	Pass through and recoverable costs recognised in information disclosure	-	-
35	Total depreciation	-	-
36	Total revaluations	-	-
37	Regulatory tax allowance	-	-
38	Regulatory profit/loss	-	-
39	Total regulatory income	-	-
40			
41	1(v): Reliability		
42	Interruption rate	-	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				
This schedule requires information on the Return on Investment (ROI) for the GDB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. GDBs 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 GDB makes this election, information supporting this calculation must be provided in 2(iii). GDBs 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.				
sch ref				
7	2(i): Return on Investment			
8				
9	Post tax WACC			
10	ROI – comparable to a post tax WACC			
11				
12	Mid-point estimate of post tax WACC			
13	25th percentile estimate			
14	75th percentile estimate			
15				
16				
17	Vanilla WACC			
18	ROI – comparable to a vanilla WACC			
19				
20	Mid-point estimate of vanilla WACC			
21	25th percentile estimate			
22	75th percentile estimate			
23				
24	2(ii): Information Supporting the ROI			
25				
26	Total opening RAB value			
27	plus Opening deferred tax			
28	Opening RIV			
29				
30	Line charge revenue			
31				
32	Expenses cash outflow			
33	add Assets commissioned			
34	less Asset disposals			
35	add Tax payments			
36	less Other regulated income			
37	Mid-year net cash flows			
38				
39	Term credit spread differential allowance			
40				
41	Total closing RAB value			
42	less Adjustment resulting from asset allocation			
43	less Lost and found assets adjustment			
44	plus Closing deferred tax			
45	Closing RIV			
46				
47	ROI – comparable to a vanilla WACC			
48				
49	Leverage (%)			44%
50	Cost of debt assumption (%)			
51	Corporate tax rate (%)			
52				
53	ROI – comparable to a post tax WACC			
54				

		Company Name <input type="text"/>				
		For Year Ended <input type="text"/>				
SCHEDULE 2: REPORT ON RETURN ON INVESTMENT (cont)						
55	2(iii): Information Supporting the Monthly ROI					
56						
57	Opening RIV					N/A
58						
59						
60						
61						
62	Month 1					-
63	Month 2					-
64	Month 3					-
65	Month 4					-
66	Month 5					-
67	Month 6					-
68	Month 7					-
69	Month 8					-
70	Month 9					-
71	Month 10					-
72	Month 11					-
73	Month 12					-
74	Total					-
75	Tax Payments					N/A
76	Term credit spread differential					N/A
77						
78	Closing RIV					N/A
79						
80						
81	Monthly ROI – comparable to a vanilla WACC					N/A
82	Monthly ROI – comparable to a post tax WACC					N/A
83						
84						
85						
86	2(iv): Year-End ROI Rates for Comparison Purposes					
87						
88	Year-end ROI – comparable to a vanilla WACC					-
89	Year-end ROI – comparable to a post tax WACC					-
90						
91						
92	* these year-end ROI values are comparable to the ROI reported in pre 2012 disclosures by GDBs and do not represent the Commission's current view on ROI.					
93						
94	2(v): Estimated Impact of Financial Incentives on ROI					
95						
96	Net recoverable costs allowed under incremental rolling incentive scheme					-
97	Financial incentives					-
98						
99	ROI – comparable to a vanilla WACC (excluding financial incentives)					-
100						
101	Estimated impact of financial incentives on ROI					-

Schedule 3: Report on Regulatory Profit

		Company Name <input type="text"/>
		For Year Ended <input type="text"/>
SCHEDULE 3: REPORT ON REGULATORY PROFIT		
<p>This schedule requires information on the calculation of regulatory profit for the GDB for the disclosure year. GDBs 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.</p>		
sch ref		
7	3(i): Regulatory Profit	(\$000)
8	Income	
9	Line charge revenue	<input type="text"/>
10	plus Gains / (losses) on asset disposals	<input type="text"/>
11	plus Other regulated income (other than gains / (losses) on asset disposals)	<input type="text"/>
12		
13	Total regulatory income	<input type="text"/>
14	Expenses	
15	less Operational expenditure	<input type="text"/>
16		
17	less Pass through and recoverable costs recognised in information disclosure	<input type="text"/>
18		
19	Operating surplus / (deficit)	<input type="text"/>
20		
21	less Total depreciation	<input type="text"/>
22		
23	plus Total revaluation	<input type="text"/>
24		
25	Regulatory profit / (loss) before tax	<input type="text"/>
26		
27	less Term credit spread differential allowance	<input type="text"/>
28		
29	less Regulatory tax allowance	<input type="text"/>
30		
31	Regulatory profit / (loss)	<input type="text"/>
32		
33	3(ii): Pass through and Recoverable Costs recognised in Information Disclosure	(\$000)
34		
35	Pass through costs	
36	Rates	<input type="text"/>
37	Commerce Act levies	<input type="text"/>
38	Industry Levies	<input type="text"/>
39	CPP specified pass through costs	<input type="text"/>
40	Pass through and recoverable costs recognised in information disclosure	<input type="text"/>
41		

Note: sub-total regulatory profit / (loss) before tax removed

SCHEDULE 3: REPORT ON REGULATORY PROFIT (cont)	
42	Company Name
43	For Year Ended
44	(\$000)
45	CY-1
46	CY
47	CY-1
48	CY
49	CY
50	CY
51	CY
52	CY
53	CY
54	CY
55	CY
56	CY
57	CY
58	CY
59	CY
60	CY
61	CY
62	CY
63	CY
64	CY
65	CY
66	CY

3(iii): Incremental Rolling Incentive Scheme	
42	Allowed controllable opex
43	Actual controllable opex
44	Incremental change in year
45	CY-5 [year]
46	CY-4 [year]
47	CY-3 [year]
48	CY-2 [year]
49	CY-1 [year]
50	Net incremental rolling incentive scheme
51	Net recoverable costs allowed under incremental rolling incentive scheme
52	CY-5 [year]
53	CY-4 [year]
54	CY-3 [year]
55	CY-2 [year]
56	CY-1 [year]
57	Net incremental rolling incentive scheme
58	Net recoverable costs allowed under incremental rolling incentive scheme
59	CY-5 [year]
60	CY-4 [year]
61	CY-3 [year]
62	CY-2 [year]
63	CY-1 [year]
64	Net incremental rolling incentive scheme
65	Net recoverable costs allowed under incremental rolling incentive scheme
66	CY-5 [year]

3(iv): Merger and Acquisition Expenditure	
60	Merger and acquisition expenditure
61	Provide commentary on the benefits of merger and acquisition expenditure to the gas distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)
62	CY-5 [year]
63	CY-4 [year]
64	CY-3 [year]
65	CY-2 [year]
66	CY-1 [year]

3(v): Other Disclosures	
60	Self-insurance allowance
61	CY-5 [year]
62	CY-4 [year]
63	CY-3 [year]
64	CY-2 [year]
65	CY-1 [year]
66	Net incremental rolling incentive scheme

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

		Company Name For Year Ended			
7		RAB	RAB	RAB	RAB
8		CY-4	CY-4	CY-4	CY-4
9		(\$'000)	(\$'000)	(\$'000)	(\$'000)
10		▶	▶	▶	▶
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					

		Company Name For Year Ended			
7		RAB	RAB	RAB	RAB
8		CY-4	CY-4	CY-4	CY-4
9		(\$'000)	(\$'000)	(\$'000)	(\$'000)
10		▶	▶	▶	▶
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					

SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) values to the end of this disclosure year. This informs the ROI calculation in Schedule 2. GDBs must provide explanatory comment on the value of their RAB 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.

4(i): Regulatory Asset Value (Rolled Forward)

	RAB	RAB	RAB	RAB
	CY-4	CY-4	CY-4	CY-4
	(\$'000)	(\$'000)	(\$'000)	(\$'000)
Total opening RAB value				
less Total depreciation				
plus Total revaluations				
plus Assets commissioned				
less Asset disposals				
plus Lost and found assets adjustment				
plus Adjustment resulting from asset allocation				
Total closing RAB value				

4(ii): Unallocated Regulatory Asset Base

	Unallocated RAB *	RAB
	(\$'000)	(\$'000)
Total opening RAB value		
less Total depreciation		
plus Total revaluations		
plus Assets commissioned (other than below)		
Assets acquired from a regulated supplier		
Assets acquired from a related party		
Assets commissioned		
less Asset disposals (other than below)		
Asset disposals to a regulated supplier		
Asset disposals to a related party		
Asset disposals		
plus Lost and found assets adjustment		
plus Adjustment resulting from asset allocation		
Total closing RAB value		

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

Company Name
 For Year Ended

SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD) (cont)

4(iii): Calculation of Revaluation Rate and Revaluation of Assets

CP _t CP _{t-1} Revaluation rate (%)	Unallocated RAB * (\$000)
Total opening RAB value Opening value of fully depreciated, disposed and lost assets	RAB (\$000)
Total opening RAB value subject to revaluation Total revaluation	(\$000)

4(iv): Roll Forward of Works Under Construction

Works under construction—preceding disclosure year plus Capital expenditure less Assets committed Adjustments resulting from asset allocation Works under construction—current disclosure year Highest rate of capitalised finance applied	Allocated works under construction (\$000)
Works under construction—preceding disclosure year plus Capital expenditure less Assets committed Adjustments resulting from asset allocation Works under construction—current disclosure year Highest rate of capitalised finance applied	Allocated works under construction (\$000)

4(v): Regulatory Depreciation

Depreciation - standard Depreciation - no standard life assets Depreciation - modified life assets Depreciation - alternative depreciation in accordance with CPP Total depreciation	Unallocated RAB * (\$000)
Depreciation - standard Depreciation - no standard life assets Depreciation - modified life assets Depreciation - alternative depreciation in accordance with CPP Total depreciation	RAB (\$000)

4(vi): Disclosure of Changes to Depreciation Profiles

Asset or assets with changes to depreciation	Closing RAB value Depreciation charge for the period (RAB) Closing RAB value under 'standard' depreciation
Reason for non-standard depreciation (text entry)	(\$000 unless otherwise specified)

4(vii): Disclosure by Asset Category

	Intermediate pressure main pipelines	Medium pressure main pipelines	Low pressure main pipelines	Service pipe	Stations	Line value	Special crossings	Other network assets	Non-network assets	Total
Total opening RAB value										
less: Total depreciation										
plus: Total revaluations										
plus: Assets committed										
less: Asset disposals										
plus: Lost and found assets adjustment										
plus: Adjustments resulting from asset allocation										
plus: Asset category transfers										
Total closing RAB value										
Asset life										
Weighted average remaining asset life										(years)
Weighted average expected total asset life										(years)

* include additional rows if needed

Schedule 5a: Report on Regulatory Tax Allowance

Company Name
 For Year Ended

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). GDBs 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.

sch ref			(\$000)
7	5a(i): Regulatory Tax Allowance		
8	Regulatory profit / (loss) before tax	-	
9			
10	plus Income not included in regulatory profit / (loss) before tax but taxable	*	
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	*	
12	Amortisation of initial differences in asset values	-	
13	Amortisation of revaluations	-	
14			-
15			
16	less Total revaluations	-	
17	Other income included in regulatory profit / (loss) before tax but not taxable	*	
18	Expenditure or loss deductible but not in regulatory profit / (loss) before tax	*	
19	Notional deductible interest	-	
20			-
21			
22	Regulatory taxable income		-
23			
24	less Utilised tax losses		-
25	Regulatory net taxable income		-
26			
27	Corporate tax rate (%)		-
28	Regulatory tax allowance		-
29			
30	* Workings to be provided in Schedule 14		
31			
32	5a(ii): Disclosure of Permanent Differences		
33	In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).		
34	5a(iii): Amortisation of Initial Difference in Asset Values		(\$000)
35			
36	Opening unamortised initial differences in asset values		-
37	Amortisation of initial differences in asset values	-	
38	Adjustment for unamortised initial differences in assets acquired		-
39	Adjustment for unamortised initial differences in assets disposed		-
40	Closing unamortised initial differences in asset values		-
41			
42	Opening weighted average remaining useful life of relevant assets (years)		-
43	5a(iv): Amortisation of Revaluations		(\$000)
44			
45	Opening Sum of RAB values without revaluations		-
46			
47	Adjusted depreciation		-
48	Total depreciation	-	
49	Amortisation of revaluations		-

Discretionary discounts and consumer rebates removed.

		Company Name		
		For Year Ended		
SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE (cont)				
sch ref				
57	5a(v): Reconciliation of Tax Losses			(\$000)
58				
59	Opening tax losses			
60	plus Current period tax losses			
61	less Utilised tax losses			
62	Closing tax losses			
63	5a(vi): Calculation of Deferred Tax Balance			(\$000)
64				
65	Opening deferred tax			
66				
67	plus Tax effect of adjusted depreciation			
68				
69	less Tax effect of tax depreciation			
70				
71	plus Tax effect of other temporary differences*			
72				
73	less Tax effect of amortisation of initial differences in asset values			
74				
75	plus Deferred tax balance relating to assets acquired in the disclosure year			
76				
77	less Deferred tax balance relating to assets disposed in the disclosure year			
78				
79	plus Deferred tax cost allocation adjustment			
80				
81	Closing deferred tax			
82				
83	5a(vii): Disclosure of Temporary Differences			
84	In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).			
85				
86	5a(viii): Regulatory Tax Asset Base Roll-Forward			
87				(\$000)
88	Opening sum of regulatory tax asset values			
89	less Tax depreciation			
90	plus Regulatory tax asset value of assets commissioned			
91	less Regulatory tax asset value of asset disposals			
92	plus Lost and found assets adjustment			
93	plus Adjustments resulting from asset allocation			
94	plus Other adjustments to the RAB tax value			
95	Closing sum of regulatory tax asset values			

Schedule 5b: Report on Related Party Transactions

Company Name
For Year Ended

SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS
 This schedule provides information on the valuation of related party transactions, in accordance with section 2.3.6 and 2.3.7, of the ID 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.

sch ref

7	5b(i): Summary—Related Party Transactions		
8	Total regulatory income		
9	Operational expenditure		
10	Capital expenditure		
11	Market value of asset disposals		
12	Other related party transactions		

		(\$000)	
13			
14			
15			
16			
17			
18			
19			
20			

5b(ii): Entities Involved in Related Party Transactions

21	

* Include additional rows if needed

	Name of related party	Related party transaction type	Description of transaction	Value of transaction (\$000)	Basis for determining value
22					
23		[Select one]			
24		[Select one]			
25		[Select one]			
26		[Select one]			
27		[Select one]			
28		[Select one]			
29		[Select one]			
30		[Select one]			
31		[Select one]			
32		[Select one]			
33		[Select one]			
34		[Select one]			
35		[Select one]			
36		[Select one]			
37		[Select one]			

* Include additional rows if needed

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.

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

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 differential	Cost of executing an interest rate swap	Debt issue cost adjustment
* include additional rows if needed									

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

Gross term credit spread differential []

Total book value of interest bearing debt []

Leverage 41%

Average opening and closing debt values []

Attribution rate (%) []

Term credit spread differential allowance []

Schedule 5d: Report on Cost Allocations

		Company Name		For Year Ended	
SCHEDULE 5d: REPORT ON COST ALLOCATIONS					
This schedule provides information on the allocation of operational costs. GDBs 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 a 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.					
5d(i): Operating Cost Allocations					
		Value allocated (\$000s)			
		Arm's length deduction	Gas distribution services	Non-gas distribution services	OVABAA allocation increase (\$000s)
			Total		
Service interruptions, incidents and emergencies					
Directly attributable					
Not directly attributable					
Total attributable to regulated service					
Routine and corrective maintenance and inspection					
Directly attributable					
Not directly attributable					
Total attributable to regulated service					
Asset replacement and renewal					
Directly attributable					
Not directly attributable					
Total attributable to regulated service					
System operations and network support					
Directly attributable					
Not directly attributable					
Total attributable to regulated service					
Business support					
Directly attributable					
Not directly attributable					
Total attributable to regulated service					
Operating costs directly attributable					
Operating costs not directly attributable					
Operational expenditure					

SCHEDULE 5d: REPORT ON COST ALLOCATIONS (cont)		Company Name For Year Ended	
41	5d(ii): Other Cost Allocations		
42	Pass through and recoverable costs		
43	Pass through costs		
44	Directly attributable		
45	Not directly attributable		
46	Total attributable to regulated service		
47	Recoverable costs		
48	Directly attributable		
49	Not directly attributable		
50	Total attributable to regulated service		
51			(\$,000)
52	5d(iii): Changes in Cost Allocations* †		
53	Change in cost allocation 1		
54	Cost category		
55	Original allocator or line items		
56	New allocator or line items		
57	Rationale for change		
58			
59			
60			
61	Change in cost allocation 2		
62	Cost category		
63	Original allocator or line items		
64	New allocator or line items		
65	Rationale for change		
66			
67			
68			
69			
70	Change in cost allocation 3		
71	Cost category		
72	Original allocator or line items		
73	New allocator or line items		
74	Rationale for change		
75			
76			

* a change in cost allocation must be completed for each cost allocator 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

<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> Company Name For Year Ended </div>	
<p>SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS This schedule requires information on the allocation of asset values. This information supports the calculation of the RAB value in Schedule 4. GDBs 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>	
7	ref
<p>5e(i): Regulated Service Asset Values</p>	
<p>Main pipe</p>	
10	Directly attributable
11	Not directly attributable
12	Total attributable to regulated service
13	Value allocated (\$000s)
14	Gas distribution services
15	-
16	-
<p>Service pipe</p>	
17	Directly attributable
18	Not directly attributable
19	Total attributable to regulated service
20	Value allocated (\$000s)
21	Gas distribution services
22	-
23	-
<p>Stations</p>	
24	Directly attributable
25	Not directly attributable
26	Total attributable to regulated service
27	Value allocated (\$000s)
28	Gas distribution services
29	-
30	-
<p>Line valve</p>	
31	Directly attributable
32	Not directly attributable
33	Total attributable to regulated service
34	Value allocated (\$000s)
35	Gas distribution services
36	-
37	-
<p>Special crossings</p>	
38	Directly attributable
39	Not directly attributable
40	Total attributable to regulated service
41	Value allocated (\$000s)
42	Gas distribution services
43	-
44	-
<p>Other network assets</p>	
45	Directly attributable
46	Not directly attributable
47	Total attributable to regulated service
48	Value allocated (\$000s)
49	Gas distribution services
50	-
51	-
<p>Non-network assets</p>	
52	Directly attributable
53	Not directly attributable
54	Total attributable to regulated service
55	Value allocated (\$000s)
56	Gas distribution services
57	-
58	-
<p>Regulated service asset value directly attributable</p>	
59	Regulated service asset value not directly attributable
60	Total closing RAB value

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS (cont)

Company Name
For Year Ended

50	5e(ii): Changes in Asset Allocations* 1			
51	Change in asset value allocation 1			
52	Asset category			
53	Original allocator or line items			
54	New allocator or line items			
55	Rationale for change			
56				
57				
58				
59				
60	Change in asset value allocation 2			
61	Asset category			
62	Original allocator or line items			
63	New allocator or line items			
64	Rationale for change			
65				
66				
67	Change in asset value allocation 3			
68	Asset category			
69	Original allocator or line items			
70	New allocator or line items			
71	Rationale for change			
72				
73				
74	*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. †Indicate data analysis 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.

7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29

Have costs been allocated in aggregate using ACMA in accordance with clause 2.1.1(b) of the IM Determination? [Select one]

Line Item*	Allocation methodology type	Allocator	Allocator type	Allocator Metric (%)		Value allocated (\$200)		OVAMA allocation increase (\$200)
				Gas distribution services	Non-gas distribution services	Gas distribution services	Non-gas distribution services	
Service interruptions, incidents and emergencies								
13	Asset cost description	Allocator 1	Be direct					
14	Asset cost description	Allocator 2	Be direct					
15	Asset cost description	Allocator 3	Be direct					
16	Asset cost description	Allocator 4	Be direct					
17	Not directly attributable							
Routine and corrective maintenance and inspection								
19	Asset cost description	Allocator 1	Be direct					
20	Asset cost description	Allocator 2	Be direct					
21	Asset cost description	Allocator 3	Be direct					
22	Asset cost description	Allocator 4	Be direct					
23	Not directly attributable							
Asset replacement and renewal								
25	Asset cost description	Allocator 1	Be direct					
26	Asset cost description	Allocator 2	Be direct					
27	Asset cost description	Allocator 3	Be direct					
28	Asset cost description	Allocator 4	Be direct					
29	Not directly attributable							

Schedule 51: Report Supporting Cost Allocations (cont)		Company Name				For Year Ended			
37									
38	System operations and network support								
39	Insert cost description	e.g. ABAA	Allocator 1	Select one					
40	Insert cost description	e.g. ABAA	Allocator 2	Select one					
41	Insert cost description	e.g. ABAA	Allocator 3	Select one					
42	Insert cost description	e.g. ABAA	Allocator 4	Select one					
43	Not directly attributable								
44	Business support								
45	Insert cost description	e.g. ABAA	Allocator 1	Select one					
46	Insert cost description	e.g. ABAA	Allocator 2	Select one					
47	Insert cost description	e.g. ABAA	Allocator 3	Select one					
48	Insert cost description	e.g. ABAA	Allocator 4	Select one					
49	Not directly attributable								
50	Operating costs not directly attributable								
51	Pass through and recoverable costs								
52	Pass through costs								
53	Insert cost description	e.g. ABAA	Allocator 1	Select one					
54	Insert cost description	e.g. ABAA	Allocator 2	Select one					
55	Insert cost description	e.g. ABAA	Allocator 3	Select one					
56	Insert cost description	e.g. ABAA	Allocator 4	Select one					
57	Not directly attributable								
58	Recoverable costs								
59	Insert cost description	e.g. ABAA	Allocator 1	Select one					
60	Insert cost description	e.g. ABAA	Allocator 2	Select one					
61	Insert cost description	e.g. ABAA	Allocator 3	Select one					
62	Insert cost description	e.g. ABAA	Allocator 4	Select one					
63	Not directly attributable								

* Include additional rows if needed

Schedule 5g: Report Supporting Asset Allocations

Company Name For Year Ended		SCHEDULE 5g: REPORT SUPPORTING ASSET ALLOCATIONS									
Line Item*	Allocation methodology type	Allocator	Allocator type	Gas distribution services	Non gas distribution services	Arm's length deduction	Gas distribution services	Non gas distribution services	Total	OVABA Allocation Increase (\$000)	
<p>Have assets been allocated in aggregate using ACOM in accordance with clause 2.1.1(1) of the Determination?</p> <p>Yes <input type="checkbox"/> No <input type="checkbox"/></p>											
<p>This schedule requires additional detail on the asset allocation methodology applied in allocating gas assets which 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 public disclosure information for entities in section 14 of the Determination, and is subject to the standard report requirements by section 26.</p>											
7											
8											
9											
10											
11											
Main pipe											
12	Insert asset description	Allocator 1	Select code								
13	Insert asset description	Allocator 2	Select code								
14	Insert asset description	Allocator 3	Select code								
15	Insert asset description	Allocator 4	Select code								
16	Insert asset description	Allocator 1	Select code								
17	Insert asset description	Allocator 2	Select code								
18	Insert asset description	Allocator 3	Select code								
19	Insert asset description	Allocator 4	Select code								
20	Insert asset description	Allocator 1	Select code								
21	Insert asset description	Allocator 2	Select code								
22	Insert asset description	Allocator 3	Select code								
23	Insert asset description	Allocator 4	Select code								
24	Insert asset description	Allocator 1	Select code								
25	Insert asset description	Allocator 2	Select code								
26	Insert asset description	Allocator 3	Select code								
27	Insert asset description	Allocator 4	Select code								
28	Insert asset description	Allocator 1	Select code								
29	Insert asset description	Allocator 2	Select code								
30	Insert asset description	Allocator 3	Select code								
31	Insert asset description	Allocator 4	Select code								
32	Insert asset description	Allocator 1	Select code								
33	Insert asset description	Allocator 2	Select code								
34	Insert asset description	Allocator 3	Select code								
35	Insert asset description	Allocator 4	Select code								
36	Insert asset description	Allocator 1	Select code								
37	Insert asset description	Allocator 2	Select code								
38	Insert asset description	Allocator 3	Select code								
39	Insert asset description	Allocator 4	Select code								
40	Insert asset description	Allocator 1	Select code								
41	Insert asset description	Allocator 2	Select code								
42	Insert asset description	Allocator 3	Select code								
43	Insert asset description	Allocator 4	Select code								
44	Insert asset description	Allocator 1	Select code								
45	Insert asset description	Allocator 2	Select code								
46	Insert asset description	Allocator 3	Select code								
47	Insert asset description	Allocator 4	Select code								
48	Insert asset description	Allocator 1	Select code								
49	Insert asset description	Allocator 2	Select code								
50	Insert asset description	Allocator 3	Select code								
51	Insert asset description	Allocator 4	Select code								
52	Insert asset description	Allocator 1	Select code								
53	Insert asset description	Allocator 2	Select code								
54	Insert asset description	Allocator 3	Select code								
55	Insert asset description	Allocator 4	Select code								

Schedule 6a: Report on Capital Expenditure for the Disclosure Year

Company Name For Year Ended	
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. GDBs 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.	
sch ref	
7	6a(i): Expenditure on Assets
8	Consumer connection
9	System growth
10	Asset replacement and renewal
11	Asset relocations
12	Reliability, safety and environment:
13	Quality of supply
14	Legislative and regulatory
15	Other reliability, safety and environment
16	Total reliability, safety and environment
17	Expenditure on network assets
18	Expenditure on non-network assets
19	
20	Expenditure on assets
21	plus Cost of financing
22	less Value of capital contributions
23	plus Value of vested assets
24	
25	Capital expenditure
26	
27	6a(ii): Subcomponents of Expenditure on Assets (where known)
28	Research and development
29	6a(iii): Consumer Connection
30	Consumer types defined by GDB*
31	[GDB: cons.umer.type]
32	[GDB: cons.umer.type]
33	[GDB: cons.umer.type]
34	[GDB: cons.umer.type]
35	* include additional rows if needed
36	Consumer connection expenditure
37	Capital contributions funding consumer connection relocations
38	Consumer connection less capital contributions
39	

SCHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR (cont)		Company Name For Year Ended
47	6a(iv): System Growth and Asset Replacement and Renewal	
48	Intermediate pressure	System Growth (\$000)
49	Main pipe	
50	Service pipe	
51	Stations	
52	Line valve	
53	Special crossings	
54	Intermediate pressure - total	
55	Medium pressure	
56	Main pipe	
57	Service pipe	
58	Stations	
59	Line valve	
60	Special crossings	
61	Medium pressure - total	
62	Low pressure	
63	Main pipe	
64	Service pipe	
65	Line valve	
66	Special crossings	
67	Low pressure - total	
68	Other network assets	
69	Monitoring and control systems	
70	Cathodic protection systems	
71	Other assets (other than above)	
72	Other network assets - total	
73	System growth and asset replacement and renewal expenditure	
74	less Capital contributions funding system growth and asset replacement and renewal	
75	System growth and asset replacement and renewal less capital contributions	
76		
77		
78		
79	6a(v): Asset Relocations	
80	Project or programme*	Asset Relocations (\$000)
81	Description of material, project or programme	
82	Description of material, project or programme	
83	Description of material, project or programme	
84	Description of material, project or programme	
85	Description of material, project or programme	
86	*Include additional rows if needed	
87	All other projects or programmes - asset relocations	
88	Asset relocations expenditure	
89	less Capital contributions funding asset relocations	
90	Asset relocations less capital contributions	
91	6a(vi): Quality of Supply	
92	Project or programme*	Quality of Supply (\$000)
93	Description of material, project or programme	
94	Description of material, project or programme	
95	Description of material, project or programme	
96	Description of material, project or programme	
97	Description of material, project or programme	
98	*Include additional rows if needed	
99	All other projects or programmes - quality of supply	
100	Quality of supply expenditure	
101	less Capital contributions funding quality of supply	
102	Quality of supply less capital contributions	

SCHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR (cont)		Company Name For Year Ended
sch ref		(\$000)
110	6a(vii): Legislative and Regulatory	
111	<i>Project or programme*</i>	
112	[Description of material project or programme]	
113	[Description of material project or programme]	
114	[Description of material project or programme]	
115	[Description of material project or programme]	
116	[Description of material project or programme]	
117	* Include additional rows if needed	
118	All other projects or programmes - legislative and regulatory	
119	Legislative and regulatory expenditure	
120	Capital contributions funding legislative and regulatory	
121	Legislative and regulatory less capital contributions	
122		
123	6a(viii): Other Reliability, Safety and Environment	
124	<i>Project or programme*</i>	
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	[Description of material project or programme]	
130	* Include additional rows if needed	
131	All other projects or programmes - other reliability, safety and environment	
132	Other reliability, safety and environment expenditure	
133	Capital contributions funding other reliability, safety and environment	
134	Other reliability, safety and environment less capital contributions	
135	6a(ix): Non-Network Assets	
136	Routine expenditure	
137	<i>Project or programme*</i>	
138	[Description of material project or programme]	
139	[Description of material project or programme]	
140	[Description of material project or programme]	
141	[Description of material project or programme]	
142	[Description of material project or programme]	
143	* Include additional rows if needed	
144	All other projects or programmes - routine expenditure	
145	Routine expenditure	
146	Atypical expenditure	
147	<i>Project or programme*</i>	
148	[Description of material project or programme]	
149	[Description of material project or programme]	
150	[Description of material project or programme]	
151	[Description of material project or programme]	
152	[Description of material project or programme]	
153	* Include additional rows if needed	
154	All other projects or programmes - atypical expenditure	
155	Atypical expenditure	
156	Expenditure on non-network assets	
157		

Schedule 6b: Report on Operational Expenditure for the Disclosure Year

<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">Company Name</div> <div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;">For Year Ended</div>	
<p>SCHEDULE 6b: REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR</p> <p>This schedule requires a breakdown of operational expenditure incurred in the current disclosure year. GDBs 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 a additional information on insurance.</p> <p>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>	
<i>sch ref</i>	<div style="display: flex; justify-content: space-around;"> <div style="text-align: center;"> <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div> </div> <div style="text-align: center;"> <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div> <div style="border: 1px solid black; width: 40px; height: 20px; margin: 0 auto;"></div> </div> </div>
7	(\$000)
8	(\$000)
9	(\$000)
10	(\$000)
11	(\$000)
12	(\$000)
13	(\$000)
14	(\$000)
15	(\$000)
16	(\$000)
17	(\$000)
18	(\$000)
19	(\$000)

Schedule 7: Comparison of Forecasts to Actual Expenditure

<i>Company Name</i>				
<i>For Year Ended</i>				
SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE				
<p>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.</p> <p>GDBs 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.</p>				
<i>sch ref</i>				
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			
24	Service interruptions, incidents and emergencies	-	-	-
25	Routine and corrective maintenance and inspection	-	-	-
26	Asset replacement and renewal	-	-	-
27	Network opex	-	-	-
28	System operations and network support	-	-	-
29	Business support	-	-	-
30	Non-network opex	-	-	-
31	Operational expenditure	-	-	-
32	7(iv): Subcomponents of Expenditure on Assets (where known)			
33	Research and development	-	-	-
34	7(v): Subcomponents of Operational Expenditure (where known)			
35	Research and development	-	-	-
36	Insurance	-	-	-
37	<i>1 From the nominal dollar target revenue for the pricing year disclosed under clause 2.4.3(3) of this determination</i>			
38	<i>2 From the CY+1 nominal dollar expenditure forecasts disclosed in accordance with clause 2.6.5 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 Network / Sub-Network Name				
SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES This schedule requires the billed quantities and associated line charge revenues for the disclosure year for each consumer group or price category code used by the GDB in its pricing schedules. Information is also required on the number of CPs that are included in each consumer group or price category code and the energy delivered to these CPs.				
8				
9				
10				
11	8)(f): Billed quantities by price component			
12	Consumer group name or price category code	Consumer type or type (eg residential, commercial, etc.)	Standard or non-standard consumer group (specify)	Average no. of CPs in disclosure year (7)
13				
14				
15				
16				
17				
18				
19				
20				
21				
22				
23				
24				
25	Add extra rows for additional consumer groups or price category codes as necessary			
26				
27				
28				
29				
30				
31				
32				
33				
34				
35				
36				
37				
38				
39				
40				

	Company Name For Year Ended	
		Network / Sub-Network Name

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES (cont)

8(f): Line charge revenues (\$000) by price component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial, etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	National revenue (excludes from posted discounts (if applicable))	Price component	Line charge revenues (\$000) by price component	Additional columns for additional line charge revenues by price components necessary
		Select one			Rate (eg, \$ per day, \$ per G, etc)		
43		Select one					
44		Select one					
45		Select one					
46		Select one					
47		Select one					
48		Select one					
49		Select one					
50		Select one					
51		Select one					
52		Select one					
53		Select one					
54		Select one					
Add extra rows for additional consumer groups or price category codes as necessary							
			Standard consumer totals				
			Non-standard consumer totals				
			Total for all consumers				

Schedule 9a: Asset Register

		Company Name		For Year Ended		Network / Sub-network Name	
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							
Operating Pressure	Asset Category	Asset Class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1-4)
8	Intermediate Pressure	Main pipe	km				[Select one]
9	Intermediate Pressure	IP PE main pipe	km				[Select one]
10	Intermediate Pressure	Main pipe	km				[Select one]
11	Intermediate Pressure	Main pipe	km				[Select one]
12	Intermediate Pressure	Service pipe	km				[Select one]
13	Intermediate Pressure	Service pipe	km				[Select one]
14	Intermediate Pressure	Service pipe	km				[Select one]
15	Intermediate Pressure	Stations	No.				[Select one]
16	Intermediate Pressure	Line valve	No.				[Select one]
17	Intermediate Pressure	Special crossings	No.				[Select one]
18	Medium Pressure	Main pipe	km				[Select one]
19	Medium Pressure	Main pipe	km				[Select one]
20	Medium Pressure	Main pipe	km				[Select one]
21	Medium Pressure	Service pipe	km				[Select one]
22	Medium Pressure	Service pipe	km				[Select one]
23	Medium Pressure	Service pipe	km				[Select one]
24	Medium Pressure	Stations	No.				[Select one]
25	Medium Pressure	Line valve	No.				[Select one]
26	Medium Pressure	Special crossings	No.				[Select one]
27	Low Pressure	Main pipe	km				[Select one]
28	Low Pressure	Main pipe	km				[Select one]
29	Low Pressure	Main pipe	km				[Select one]
30	Low Pressure	Service pipe	km				[Select one]
31	Low Pressure	Service pipe	km				[Select one]
32	Low Pressure	Service pipe	km				[Select one]
33	Low Pressure	Line valve	No.				[Select one]
34	Low Pressure	Special crossings	No.				[Select one]
35	All	Monitoring and control systems	No.				[Select one]
36	All	Cathodic protection systems	No.				[Select one]

Schedule 9b: Asset Age Profile

Company Name
 For Year Ended
 Network / Sub-network Name

SCHEDULE 9b: ASSET AGE PROFILE

This schedule requires a summary of the age profile (based on year of installation) of the assets that make up the network, by asset category and asset class.

sch ref	8	Disclosure Year (year ended)	Number of assets at disclosure year end by installation date																								No. with age unknown	Items at end of year (quantity)	No. with default dates	Data accuracy (1-4)						
			1970	1975	1980	1985-	1990	1995	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017										
9	Operating Pressure	Asset Category	Asset Class	Units	pre-1970	-1974	-1979	-1984	1985-1989	-1994	-1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017							
10	Intermediate Pressure	Main pipe	IP PE main pipe	km																																
11	Intermediate Pressure	Main pipe	IP steel main pipe	km																																
12	Intermediate Pressure	Main pipe	IP other main pipe	km																																
13	Intermediate Pressure	Service pipe	IP PE service pipe	km																																
14	Intermediate Pressure	Service pipe	IP steel service pipe	km																																
15	Intermediate Pressure	Service pipe	IP other service pipe	km																																
16	Intermediate Pressure	Stations	Intermediate pressure DRS	No.																																
17	Intermediate Pressure	Line valve	IP line valves	No.																																
18	Intermediate Pressure	Special crossings	IP crossings	No.																																
19	Medium Pressure	Main pipe	MP PE main pipe	km																																
20	Medium Pressure	Main pipe	MP steel main pipe	km																																
21	Medium Pressure	Main pipe	MP other main pipe	km																																
22	Medium Pressure	Service pipe	MP PE service pipe	km																																
23	Medium Pressure	Service pipe	MP steel service pipe	km																																
24	Medium Pressure	Service pipe	MP other service pipe	km																																
25	Medium Pressure	Stations	Medium pressure DRS	No.																																
26	Medium Pressure	Line valve	MP line valves	No.																																
27	Medium Pressure	Special crossings	MP special crossings	No.																																
28	Low Pressure	Main pipe	LP PE main pipe	km																																
29	Low Pressure	Main pipe	LP steel main pipe	km																																
30	Low Pressure	Main pipe	LP other main pipe	km																																
31	Low Pressure	Service pipe	LP PE service pipe	km																																
32	Low Pressure	Service pipe	LP steel service pipe	km																																
33	Low Pressure	Service pipe	LP other service pipe	km																																
34	Low Pressure	Line valve	LP line valves	No.																																
35	Low Pressure	Special crossings	LP special crossings	No.																																
36	All	Monitoring and control systems	Remote terminal units	No.																																
37	All	Cathodic protection systems	Cathodic protection	No.																																

Schedule 9c: Report on Pipeline Data

	<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">Company Name</div> <div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">For Year Ended</div> <div style="border: 1px solid black; padding: 5px;">Network / Sub-network Name</div>																																											
<p>SCHEDULE 9c: REPORT ON PIPELINE DATA</p> <p>This schedule requires a summary of the key characteristics of the pipeline network.</p>																																												
sch ref	<p>Network Information (end of year)</p> <p>System length by material (defined by GDB)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #ffcc99;"> <th style="width: 10%;"></th> <th style="width: 70%;">Length (km)</th> <th style="width: 20%;">%</th> </tr> </thead> <tbody> <tr><td>10</td><td>[Pipeline material 1 e.g. Steel, PE, Other]</td><td>-</td></tr> <tr><td>11</td><td>[Pipeline material 2 e.g. Steel, PE, Other]</td><td>-</td></tr> <tr><td>12</td><td>[Pipeline material 3 e.g. Steel, PE, Other]</td><td>-</td></tr> <tr><td>13</td><td>[Pipeline material 4 e.g. Steel, PE, Other]</td><td>-</td></tr> <tr><td>14</td><td>[Pipeline material 5 e.g. Steel, PE, Other]</td><td>-</td></tr> <tr><td>15</td><td>[Pipeline material 6 e.g. Steel, PE, Other]</td><td>-</td></tr> <tr style="background-color: #ffcc99;"><td>16</td><td>System length</td><td>-</td></tr> </tbody> </table>		Length (km)	%	10	[Pipeline material 1 e.g. Steel, PE, Other]	-	11	[Pipeline material 2 e.g. Steel, PE, Other]	-	12	[Pipeline material 3 e.g. Steel, PE, Other]	-	13	[Pipeline material 4 e.g. Steel, PE, Other]	-	14	[Pipeline material 5 e.g. Steel, PE, Other]	-	15	[Pipeline material 6 e.g. Steel, PE, Other]	-	16	System length	-	<p>Gas conveyed for Persons not involved in the GDB (TP)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #ffcc99;"> <th style="width: 30%;">System length (km) (at year end)</th> <th style="width: 30%;">Weighted average pipe diameter (mm)</th> <th style="width: 40%;">Number of ICPS (at year end)</th> </tr> </thead> <tbody> <tr><td>18</td><td></td><td></td></tr> <tr><td>19</td><td></td><td></td></tr> <tr><td>20</td><td></td><td></td></tr> <tr><td>21</td><td></td><td></td></tr> <tr style="background-color: #ffcc99;"><td>22</td><td>Total</td><td></td></tr> </tbody> </table>	System length (km) (at year end)	Weighted average pipe diameter (mm)	Number of ICPS (at year end)	18			19			20			21			22	Total	
	Length (km)	%																																										
10	[Pipeline material 1 e.g. Steel, PE, Other]	-																																										
11	[Pipeline material 2 e.g. Steel, PE, Other]	-																																										
12	[Pipeline material 3 e.g. Steel, PE, Other]	-																																										
13	[Pipeline material 4 e.g. Steel, PE, Other]	-																																										
14	[Pipeline material 5 e.g. Steel, PE, Other]	-																																										
15	[Pipeline material 6 e.g. Steel, PE, Other]	-																																										
16	System length	-																																										
System length (km) (at year end)	Weighted average pipe diameter (mm)	Number of ICPS (at year end)																																										
18																																												
19																																												
20																																												
21																																												
22	Total																																											
<p>By operating pressure:</p> <p>Intermediate pressure</p> <p>Medium pressure</p> <p>Low pressure</p>																																												

Schedule 9d: Report on Demand

		Company Name For Year Ended Network / Sub-network Name																															
SCHEDULE 9d: REPORT ON DEMAND 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)																																	
sch ref 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28	<p>9d(i): Consumer Connections Number of ICPS connected in year by consumer type</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Consumer types defined by GDB</th> <th style="text-align: center;">Number of connections (ICPs)</th> </tr> </thead> <tbody> <tr><td>[GDB consumer type]</td><td></td></tr> <tr><td>[GDB consumer type]</td><td></td></tr> <tr><td>[GDB consumer type]</td><td></td></tr> <tr><td>[GDB consumer type]</td><td></td></tr> <tr><td>[GDB consumer type]</td><td></td></tr> <tr><td style="text-align: right;">Total</td><td style="text-align: center;">-</td></tr> </tbody> </table>			Consumer types defined by GDB	Number of connections (ICPs)	[GDB consumer type]		[GDB consumer type]		[GDB consumer type]		[GDB consumer type]		[GDB consumer type]		Total	-																
Consumer types defined by GDB	Number of connections (ICPs)																																
[GDB consumer type]																																	
[GDB consumer type]																																	
[GDB consumer type]																																	
[GDB consumer type]																																	
[GDB consumer type]																																	
Total	-																																
<p>9d(ii): Gas Delivered</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td>Number of ICPS at year end</td><td></td></tr> <tr><td>Maximum daily load</td><td></td></tr> <tr><td>Maximum monthly load</td><td></td></tr> <tr><td>Number of directly billed ICPS</td><td></td></tr> <tr><td>Total gas conveyed</td><td></td></tr> <tr><td>Average daily delivery</td><td></td></tr> <tr><td>Load factor</td><td></td></tr> </tbody> </table>			Number of ICPS at year end		Maximum daily load		Maximum monthly load		Number of directly billed ICPS		Total gas conveyed		Average daily delivery		Load factor		<table border="1" style="width: 100%; border-collapse: collapse;"> <tbody> <tr><td>connections</td><td></td></tr> <tr><td>(GJ per day)</td><td></td></tr> <tr><td>(GJ per month)</td><td></td></tr> <tr><td>(at year end)</td><td></td></tr> <tr><td>(GJ per annum)</td><td></td></tr> <tr><td>(GJ per day)</td><td></td></tr> <tr><td></td><td style="text-align: center;">-</td></tr> <tr><td></td><td style="text-align: center;">-</td></tr> </tbody> </table>	connections		(GJ per day)		(GJ per month)		(at year end)		(GJ per annum)		(GJ per day)			-		-
Number of ICPS at year end																																	
Maximum daily load																																	
Maximum monthly load																																	
Number of directly billed ICPS																																	
Total gas conveyed																																	
Average daily delivery																																	
Load factor																																	
connections																																	
(GJ per day)																																	
(GJ per month)																																	
(at year end)																																	
(GJ per annum)																																	
(GJ per day)																																	
	-																																
	-																																
	<p>Line with 'maximum monthly amount of gas entering network' has been deleted as it contains the same information as 'maximum monthly load'.</p>																																

Schedule 10a: Report on Network Reliability and Interruptions

	Company Name <input style="width: 100%;" type="text"/> For Year Ended <input style="width: 100%;" type="text"/> Network / Sub-network Name <input style="width: 100%;" type="text"/>
SCHEDULE 10a: REPORT ON NETWORK RELIABILITY AND INTERRUPTIONS	
This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and CAIDI) for the disclosure year GDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory Notes to Templates). The SAIDI and SAIFI 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.	
ref 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43	10a(i): Interruptions Interruptions by class Class A (planned interruptions by GTB) Class B (planned interruptions on the network) Class C (unplanned interruptions on the network) Class D (unplanned interruptions by GTB) Class I (unplanned interruptions caused by third party damage) Total Number of unplanned outage events (interruptions that affect more than 5 ICPs) Region_01 Region_02 Region_03 Region_04 Region_05 Number of unplanned outage events caused by third party damage (interruptions that affect more than 5 ICPs) Region_01 Region_02 Region_03 Region_04 Region_05 10a(ii): Reliability Overall reliability Based on the total number of interruptions Class I (unplanned interruptions caused by third party damage) Class B (planned interruptions on the network) Region_01 Region_02 Region_03 Region_04 Region_05 Class C (unplanned interruptions on the network) Region_01 Region_02 Region_03 Region_04 Region_05

Schedule 10b: Report on Network Integrity and Consumer Service

		Company Name	<input style="width: 100%;" type="text"/>		
		For Year Ended	<input style="width: 100%;" type="text"/>		
		Network / Sub-network Name	<input style="width: 100%;" type="text"/>		

SCHEDULE 10b: REPORT ON NETWORK INTEGRITY AND CONSUMER SERVICE
 This schedule requires a summary of the key measures of network Integrity (gas escapes, response time to emergencies etc) for the disclosure year.

sch ref

8	10b(i): System Condition and Integrity				
9	Number of confirmed public reported gas escapes per system length (escapes/1000 km)	Actual			
10	Region 01				
11	Region 02				
12	Region 03				
13	Region 04				
14	Region 05				
15	Number of leaks detected by routine survey per system length (leaks/1000 km)	Actual			
16	Region 01				
17	Region 02				
18	Region 03				
19	Region 04				
20	Region 05				
21	Number of third party damage events per system length (events/1000 km)	Actual			
22	Region 01				
23	Region 02				
24	Region 03				
25	Region 04				
26	Region 05				
27	Number of poor pressure events due to network causes	Actual			
28	Region 01				
29	Region 02				
30	Region 03				
31	Region 04				
32	Region 05				
33					
34	Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls	Actual			
35	Region 01				
36	Region 02				
37	Region 03				
38	Region 04				
39	Region 05				
40	Product control—safety of distribution gas	Actual			
41	Number of non-compliant odour tests				
42	10b(ii): Consumer Service				
43	Response time to emergencies (RTE)	Proportion of emergencies responded to within 1 hour (%)	Proportion of emergencies responded to within 3 hours (%)	Average call response time (hours)	Number of emergencies
44	Region 01				
45	Region 02				
46	Region 03				
47	Region 04				
48	Region 05				
49	Number of complaints	Actual			
50	Number of complaints per average total consumer numbers				

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
1.1a(i): Expenditure on Assets Forecast		\$'000 (nominal dollars)										
7	Consumer connection											
8	System growth											
9	Asset replacement and renewal											
10	Asset relocations											
11	Reliability, safety and environment											
12	Quality of supply											
13	Legislative and regulatory											
14	Other reliability, safety and environment											
15	Legislative and regulatory											
16	Other reliability, safety and environment											
17	Legislative and regulatory											
18	Other reliability, safety and environment											
19	Legislative and regulatory											
20	Other reliability, safety and environment											
21	Expenditure on non-network assets											
22	Expenditure on assets											
23	Cost of financing											
24	Value of capital contributions											
25	Value of vested assets											
26	Capital expenditure forecast											
27	Assets commissioned											
28												
29												
30												
31												
32	Consumer connection											
33	System growth											
34	Asset replacement and renewal											
35	Asset relocations											
36	Reliability, safety and environment											
37	Quality of supply											
38	Legislative and regulatory											
39	Other reliability, safety and environment											
40	Legislative and regulatory											
41	Other reliability, safety and environment											
42	Expenditure on non-network assets											
43	Expenditure on assets											
44												
45	Subcomponents of expenditure on assets (where known)											
46	Research and development											
47												
48												
49												
50	Difference between nominal and constant price forecasts											
51	Consumer connection											
52	System growth											
53	Asset replacement and renewal											
54	Asset relocations											
55	Reliability, safety and environment											
56	Quality of supply											
57	Legislative and regulatory											
58	Other reliability, safety and environment											
59	Legislative and regulatory											
60	Other reliability, safety and environment											
61	Expenditure on non-network assets											
62	Expenditure on assets											

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE (cont)						
Company Name						
AMP Planning Period						
Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	
11a(ii): Consumer Connection						
Consumer types defined by GDB*						
70						
71						
72						
73						
74						
75						
76						
77						
78						
79						
* Include additional rows if needed						
80						
81						
82						
Consumer connection expenditure						
/less Capital contributions funding consumer connection						
Consumer connection less capital contributions						
11a(iii): System Growth						
Intermediate pressure						
83						
84						
85						
86						
87						
88						
89						
90						
Intermediate Pressure total						
91						
Medium pressure						
92						
93						
94						
95						
96						
97						
Medium Pressure total						
98						
Low Pressure						
99						
100						
101						
102						
103						
Low Pressure total						
Other network assets						
104						
105						
106						
107						
108						
Other network assets total						
109						
System growth expenditure						
110						
111						
112						
/less Capital contributions funding system growth						
System growth less capital contributions						

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE (cont)		Company Name					AMP Planning Period				
		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5				
120		\$000 (in constant prices)									
121	11a)(v): Asset Replacement and Renewal										
122	Intermediate pressure										
123	Main pipe										
124	Service pipe										
125	Station										
126	Line valve										
127	Special crossings										
128	Special crossings										
129	Special crossings										
130	Special crossings										
131	Special crossings										
132	Special crossings										
133	Special crossings										
134	Special crossings										
135	Special crossings										
136	Special crossings										
137	Special crossings										
138	Special crossings										
139	Special crossings										
140	Special crossings										
141	Special crossings										
142	Special crossings										
143	Special crossings										
144	Special crossings										
145	Special crossings										
146	Special crossings										
147	Special crossings										
148	Special crossings										
149	Special crossings										
150	Special crossings										
151	Special crossings										
152	Special crossings										
153	Special crossings										
154	Special crossings										
155	Special crossings										
156	Special crossings										
157	Special crossings										
158	Special crossings										
159	Special crossings										
160	Special crossings										
161	Special crossings										
162	Special crossings										
163	Special crossings										
164	Special crossings										
172	11a)(vi): Quality of Supply										
173	Project or programme*										
174	Description of material project or programme										
175	Description of material project or programme										
176	Description of material project or programme										
177	Description of material project or programme										
178	Description of material project or programme										
179	Description of material project or programme										
180	Description of material project or programme										
181	Description of material project or programme										
182	Description of material project or programme										
183	Description of material project or programme										
184	Description of material project or programme										
185	Description of material project or programme										
186	Description of material project or programme										

		Company Name	
		AMP Planning Period	
SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE (cont)			
Sch ref	Project or programme*	\$000 (in constant prices)	
187			
188			
189			
190	[Description of material project or programme]		
191	[Description of material project or programme]		
192	[Description of material project or programme]		
193	[Description of material project or programme]		
194	<i>* include additional rows if needed</i>		
195	All other projects or programmes - legislative and regulatory		
196	Legislative and regulatory expenditure		
197	less Capital contributions funding legislative and regulatory		
198	Legislative and regulatory less capital contributions		
199			
200	11a(viii): Other Reliability, Safety and Environment		
	<i>Project or programme*</i>		
201	[Description of material project or programme]		
202	[Description of material project or programme]		
203	[Description of material project or programme]		
204	[Description of material project or programme]		
205	[Description of material project or programme]		
206	<i>* include additional rows if needed</i>		
207	All other projects or programmes - other reliability, safety and environment		
208	Other reliability, safety and environment expenditure		
209	less Capital contributions funding other reliability, safety and environment		
210	Other Reliability, safety and environment less capital contributions		
211			
212			
213			
214			
215	[Description of material project or programme]		
216	[Description of material project or programme]		
217	[Description of material project or programme]		
218	[Description of material project or programme]		
219	<i>* include additional rows if needed</i>		
220	All other projects or programmes - routine expenditure		
221	Routine expenditure		
222			
223	Atypical expenditure		
	<i>Project or programme*</i>		
224	[Description of material project or programme]		
225	[Description of material project or programme]		
226	[Description of material project or programme]		
227	[Description of material project or programme]		
228	[Description of material project or programme]		
229	<i>* include additional rows if needed</i>		
230	All other projects or programmes - atypical expenditure		
231	Atypical expenditure		
232			
233	Expenditure on non-network assets		

Schedule 11b: Report on Forecast Operational Expenditure

		Company Name																																																																																																																																																										
		AMP Planning Period																																																																																																																																																										
ref		Current year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10																																																																																																																																																
		<p>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. GDBs must provide explanatory comment on the difference between constant price and nominal dollar operational expenditure forecasts in Schedule 14a (Mandatory Explanatory Notes). This information is not part of audited disclosure information.</p>																																																																																																																																																										
Operational Expenditure Forecast																																																																																																																																																												
<p>\$000 (in nominal dollars)</p> <table border="1"> <thead> <tr> <th></th> <th>Current year CY</th> <th>CY+1</th> <th>CY+2</th> <th>CY+3</th> <th>CY+4</th> <th>CY+5</th> <th>CY+6</th> <th>CY+7</th> <th>CY+8</th> <th>CY+9</th> <th>CY+10</th> </tr> </thead> <tbody> <tr><td>7</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>8</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>9</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>10</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>11</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>12</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>13</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>14</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>15</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>16</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>17</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>														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												10												11												12												13												14												15												16												17											
	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																																																																																																																																																												
10																																																																																																																																																												
11																																																																																																																																																												
12																																																																																																																																																												
13																																																																																																																																																												
14																																																																																																																																																												
15																																																																																																																																																												
16																																																																																																																																																												
17																																																																																																																																																												
\$000 (in constant prices)																																																																																																																																																												
<table border="1"> <thead> <tr> <th></th> <th>Current year CY</th> <th>CY+1</th> <th>CY+2</th> <th>CY+3</th> <th>CY+4</th> <th>CY+5</th> <th>CY+6</th> <th>CY+7</th> <th>CY+8</th> <th>CY+9</th> <th>CY+10</th> </tr> </thead> <tbody> <tr><td>18</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>19</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>20</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>21</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>22</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>23</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>24</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>25</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>26</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>27</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>28</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>														Current year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10	18												19												20												21												22												23												24												25												26												27												28											
	Current year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10																																																																																																																																																	
18																																																																																																																																																												
19																																																																																																																																																												
20																																																																																																																																																												
21																																																																																																																																																												
22																																																																																																																																																												
23																																																																																																																																																												
24																																																																																																																																																												
25																																																																																																																																																												
26																																																																																																																																																												
27																																																																																																																																																												
28																																																																																																																																																												
Subcomponents of operational expenditure (where known)																																																																																																																																																												
<table border="1"> <thead> <tr> <th></th> <th>Current year CY</th> <th>CY+1</th> <th>CY+2</th> <th>CY+3</th> <th>CY+4</th> <th>CY+5</th> <th>CY+6</th> <th>CY+7</th> <th>CY+8</th> <th>CY+9</th> <th>CY+10</th> </tr> </thead> <tbody> <tr><td>29</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>30</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>31</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>32</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>33</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>34</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>														Current year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10	29												30												31												32												33												34																																																																							
	Current year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10																																																																																																																																																	
29																																																																																																																																																												
30																																																																																																																																																												
31																																																																																																																																																												
32																																																																																																																																																												
33																																																																																																																																																												
34																																																																																																																																																												
Difference between nominal and real forecasts																																																																																																																																																												
<table border="1"> <thead> <tr> <th></th> <th>Current year CY</th> <th>CY+1</th> <th>CY+2</th> <th>CY+3</th> <th>CY+4</th> <th>CY+5</th> <th>CY+6</th> <th>CY+7</th> <th>CY+8</th> <th>CY+9</th> <th>CY+10</th> </tr> </thead> <tbody> <tr><td>35</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>36</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>37</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>38</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>39</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>40</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>41</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>42</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> <tr><td>43</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </tbody> </table>														Current year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10	35												36												37												38												39												40												41												42												43																																			
	Current year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10																																																																																																																																																	
35																																																																																																																																																												
36																																																																																																																																																												
37																																																																																																																																																												
38																																																																																																																																																												
39																																																																																																																																																												
40																																																																																																																																																												
41																																																																																																																																																												
42																																																																																																																																																												
43																																																																																																																																																												

Schedule 12a: Report on Asset Condition

Company Name		AMP Planning Period		Asset condition at start of planning period (percentage of units by grade)										% of asset forecast to be replaced in next 5 years
sch ref	Operating Pressure	Asset category	Asset class	Units	Grade 1	Grade 2	Grade 3	Grade 4	Grade unknown	Data accuracy (1-4)				
7														
8	Intermediate Pressure	Main pipe	IP PE main pipe	km						[Select one]				
9	Intermediate Pressure	Main pipe	IP steel main pipe	km						[Select one]				
10	Intermediate Pressure	Main pipe	IP other main pipe	km						[Select one]				
11	Intermediate Pressure	Service pipe	IP PE service pipe	km						[Select one]				
12	Intermediate Pressure	Service pipe	IP steel service pipe	km						[Select one]				
13	Intermediate Pressure	Service pipe	IP other service pipe	km						[Select one]				
14	Intermediate Pressure	Stations	Intermediate pressure DRS	No.						[Select one]				
15	Intermediate Pressure	Line valve	IP line valves	No.						[Select one]				
16	Intermediate Pressure	Special crossings	IP crossings	No.						[Select one]				
17	Medium Pressure	Main pipe	MP PE main pipe	km						[Select one]				
18	Medium Pressure	Main pipe	MP steel main pipe	km						[Select one]				
19	Medium Pressure	Main pipe	MP other main pipe	km						[Select one]				
20	Medium Pressure	Service pipe	MP PE service pipe	km						[Select one]				
21	Medium Pressure	Service pipe	MP steel service pipe	km						[Select one]				
22	Medium Pressure	Service pipe	MP other service pipe	km						[Select one]				
23	Medium Pressure	Stations	Medium pressure DRS	No.						[Select one]				
24	Medium Pressure	Line valve	MP line valves	No.						[Select one]				
25	Medium Pressure	Special crossings	MP special crossings	No.						[Select one]				
26	Medium Pressure	Main pipe	LP PE main pipe	km						[Select one]				
27	Low Pressure	Main pipe	LP steel main pipe	km						[Select one]				
28	Low Pressure	Main pipe	LP other main pipe	km						[Select one]				
29	Low Pressure	Service pipe	LP PE service pipe	km						[Select one]				
30	Low Pressure	Service pipe	LP steel service pipe	km						[Select one]				
31	Low Pressure	Service pipe	LP other service pipe	km						[Select one]				
32	Low Pressure	Line valve	LP line valves	No.						[Select one]				
33	Low Pressure	Special crossings	LP special crossings	No.						[Select one]				
34	All	Monitoring and control systems	Remote terminal units	No.						[Select one]				
35	All	Cathodic protection systems	Cathodic protection	No.						[Select one]				
36	All			No.						[Select one]				

Schedule 12b: Report on Forecast Utilisation

Company Name
 AMP Planning Period

SCHEDULE 12b: REPORT ON FORECAST UTILISATION

This Schedule requires a breakdown of current and forecast utilisation (for heavily utilised pipelines) consistent with the information provided in the AMP and the demand forecast in schedule S12c.

ref
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42

Forecast Utilisation of Heavily Utilised Pipelines

Utilisation

Region	Network	Pressure system	Nominal operating pressure (NOP) (kPa)	Minimum operating pressure (MinOP) (kPa)	Total capacity at MinOP (scmh)	Remaining capacity at MinOP (scmh)	Unit	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	Comment
							scmh							
							kPa							
							scmh							
							kPa							
							scmh							
							kPa							
							scmh							
							kPa							
							scmh							
							kPa							
							scmh							
							kPa							
							scmh							
							kPa							
							scmh							
							kPa							
							scmh							
							kPa							

* Current year utilisation figures may be estimates. Year 1-5 figures show the utilisation forecast to occur given the expected system configuration for each year, including the effect of any new investment in the pressure system.

Disclaimer for supply enquiries

Notes and assumptions

Schedule 12c: Report on Forecast Demand

Company Name

AMP Planning Period

SCHEDULE 12c: REPORT ON FORECAST DEMAND

This schedule requires a forecast of new connections (by consumer type), peak demand and energy volumes for the disclosure year and a 5 year planning period. The forecasts should be consistent with the supporting information set out in the AMP as well as the assumptions used in developing the expenditure forecasts in Schedule 11a and Schedule 11b and the capacity and utilisation forecasts in Schedule 12b.

sch ref

12c(i) Consumer Connections

Number of ICPS connected in year by consumer type

Current year CY CY+1 CY+2 CY+3 CY+4 CY+5

Consumer types defined by GDB

[GDB consumer type]

[GDB consumer type]

[GDB consumer type]

[GDB consumer type]

[GDB consumer type]

Total

12c(ii): Gas Delivered

Current year CY CY+1 CY+2 CY+3 CY+4 CY+5

Number of ICPS at year end (at year end)

Maximum daily load (GJ per day)

Maximum monthly load (GJ per month)

Number of directly billed ICPS (at year end)

Total gas conveyed (GJ per annum)

Average daily delivery (GJ per day)

Column - 'maximum monthly amount of gas' line has been deleted.

Load factor

Schedule 13: Report on Asset Management Maturity

1. When required to complete the Report on Asset Management Maturity under clause an AMP under clause 2.6.1, each GDB must-
 - 1.1 ensure that the person responsible for managing network assets (or a similar level individual) in the organisation takes responsibility for completing this report, including-
 - 1.1.1 Organising people within the organisation to answer the questions;
 - 1.1.2 Arranging for all information to be captured in the Report on Asset Management Maturity;
 - 1.1.3 Reporting to the organisation on the results of the assessment;
 - 1.1.4 Planning the assessment process, including;
 - (a) determining 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;
 - (b) arranging for appropriate outsourced service providers and stakeholders to act as respondents during the assessment exercise;
 - (c) providing appropriate pre-assessment communication (and training where appropriate) to ensure that, as a minimum, the proposed respondents are aware of the process and the part within it that they are being asked to play;
 - (d) identifying which questions are to be asked of which respondents.
 - 1.2 specify in the Report on Asset Management Maturity the standard of asset management practice that the GDB has used as the reference standard.
 - 1.3 fill out the following columns in the Report on Asset Management Maturity set out below
 - 1.3.1 'User guidance': guidance (if required) on completing each question of the report.

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

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

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

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

To meet Report on Asset Management Maturity level 4 maturity, the GDB'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.

2. When disclosing the Report on Asset Management Maturity in the AMP, a GDB 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'.

3. Guidance notes on completing the Report on Asset Management Maturity

- 3.1 *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 GDB. In particular, it helps the GDB's employees and suppliers to understand and improve asset management concepts and processes.*

- 3.2 *The report will not provide an effective assessment of the maturity of the GDB's asset management capability and processes unless the preparation of the report is supported by senior management of the GDB.*
- 3.3 *The level of effort required to complete the report should be consistent with a gap analysis exercise rather than the level typically involved with an audit for certification.*
- 3.4 *An audit involves a systematic, independent process for the collection and analysis of evidence to support a rating whereas the report is intended to be used by providing a reference to supporting evidence or an explanation of the self-assessment.*
- 3.5 *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.*
- 3.6 *The definitions provided in the report for each maturity rating should provide sufficient information for a GDB to objectively identify the level currently being achieved by the organisation*

<div style="text-align: right;"> Company Name <input type="text"/> AMP Planning Period <input type="text"/> Asset Management Standard Applied <input type="text"/> </div>								
SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY This schedule requires information on the GDB'S self-assessment of the maturity of its asset management practices.								
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).

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
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.

<i>Company Name</i>	
<i>AMP Planning Period</i>	
<i>Asset Management Standard Applied</i>	

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

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.

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
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.

Company Name	
AMP Planning Period	
Asset Management Standard Applied	

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

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 fulfil 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 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 <input type="text"/> AMP Planning Period <input type="text"/> Asset Management Standard Applied <input type="text"/>							
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 people 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 organisations 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 organisations 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.

<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	Score	Evidence—Summary	User Guidance	Why	Who	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)?				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.	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.	Evidence of analysis of future work load plan(s) in terms of human resources. Document(s) containing analysis of the organisation's own direct resources and contractors resource capability over suitable timescales. Evidence, such as minutes of meetings, that suitable management forums are monitoring human resource development plan(s). Training plan(s), personal development plan(s), contract and service level agreements.
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?				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).	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.	Evidence of an established and applied competency requirements assessment process and plan(s) in place to deliver the required training. Evidence that the training programme is part of a wider, co-ordinated asset management activities training and competency programme. Evidence that training activities are recorded and that records are readily available (for both direct and contracted service provider staff) e.g. via organisation wide information system or local records database.
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?				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.	Managers, supervisors, persons responsible for developing training programmes. Staff responsible for procurement and service agreements. HR staff and those responsible for recruitment.	Evidence of a competency assessment framework that aligns with established frameworks such as the asset management Competencies Requirements Framework (Version 2.0); National Occupational Standards for Management and Leadership; UK Standard for Professional Engineering Competence, Engineering Council, 2005.
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.

Company Name <input type="text"/> AMP Planning Period <input type="text"/> Asset Management Standard Applied <input type="text"/>							
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
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 in 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.
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.

Company Name _____ AMP Planning Period _____ Asset Management Standard Applied _____								
SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)								
Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/document Information
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?				<p>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.</p> <p>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.</p>	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?				<p>The response to the questions is progressive. A higher scale cannot be awarded without achieving the requirements of the lower scale.</p> <p>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).</p>	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.
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.

<i>Company Name</i>	
<i>AMP Planning Period</i>	
<i>Asset Management Standard Applied</i>	

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
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.
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.

<div style="text-align: right;"> Company Name <input type="text"/> AMP Planning Period <input type="text"/> Asset Management Standard Applied <input type="text"/> </div> SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)								
Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/documented Information
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.

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
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.

<i>Company Name</i>	
<i>AMP Planning Period</i>	
<i>Asset Management Standard Applied</i>	

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

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 performance?				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 conformances 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 conformances. 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.

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
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 performance?	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 conformances 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.

<div style="text-align: right;"> Company Name <input type="text"/> AMP Planning Period <input type="text"/> Asset Management Standard Applied <input type="text"/> </div> SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)								
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 schedule requires **GDBs** to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.21, 2.4.22, subclauses 2.5.1(1)(e) and 2.5.2(1)(e), and clause 2.12.2.
2. This schedule is mandatory—**GDBs** must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 12 and 17 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 **GDBs** to give additional explanation of disclosed information should they elect to do so.

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 regulated income' other than gains / (losses) on asset disposals, as disclosed in 3(i) of Schedule 3
 - 5.2 information on reclassified items in accordance with subclause 2.7.1(2).

Box 2: Explanatory comment on regulatory profit

[Insert text here]

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

6. If the **GDB** 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 **GDB**.

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)

8. In the box below, provide descriptions and workings of the material items recorded in the following asterisked categories of 5a(i) of Schedule 5a-
 - 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(vi) of Schedule 5a)

9. In the box below, provide descriptions and workings of material items recorded in the asterisked category 'Tax effect of other temporary differences' in 5a(vi) of Schedule 5a.

Box 6: Tax effect of other temporary differences (current disclosure year)

[Insert text here]

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

10. In the box below, provide descriptions of related party transactions beyond those disclosed on Schedule 5b including identification and descriptions as to the nature of directly attributable costs disclosed under subclause 2.3.6(2)(b).

Box 7: Related party transactions

[Insert text here]

Cost allocation (Schedule 5d)

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)

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 subclause 2.7.1(2).

Box 9: Commentary on asset allocation

[Insert text here]

Capital Expenditure for the Disclosure Year (Schedule 6a)

13. In the box below, comment on expenditure on assets for the disclosure year, as disclosed in Schedule 6a. This comment must include-

- 13.1 a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;
- 13.2 information on reclassified items in accordance with subclause 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)

14. In the box below, comment on operational expenditure for the disclosure year, as disclosed in Schedule 6b. This comment must include-
 - 14.1 Commentary on assets replaced or renewed with asset replacement and renewal operational expenditure, as reported in 6b(i) of Schedule 6b
 - 14.2 Information on reclassified items in accordance with subclause 2.7.1(2)
 - 14.3 Commentary on any material atypical expenditure included in operational expenditure disclosed in Schedule 6b, 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)

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

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 clause 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]

17. If price category codes or consumer groups (as applicable) have been changed in a disclosure year, please explain in the box below the effect of this on the allocation of ICPs, quantities and revenues between consumer groups disclosed in Schedule 8.

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

[Insert text here]

Network Reliability for the Disclosure Year (Schedule 10a)

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

19. In the box below, provide details of any insurance cover for the assets used to provide gas pipeline services, including-
- 19.1 The **GDB**'s approaches and practices in regard to the insurance of assets, including the level of insurance;
- 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 details of any material error identified in previously disclosed information. This disclosure must include the information on previously disclosed information in accordance with 2.12.2.

Box 17: Disclosure of amendment to previously disclosed information

[Insert text here]

Schedule 14a: Mandatory Explanatory Notes on Forecast Information

1. This schedule requires **GDBs** to provide explanatory notes to reports prepared in accordance with clause 2.6.5.
2. This schedule is mandatory—**GDBs** 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 15: Voluntary Explanatory Notes

1. This schedule enable **GDBs** to provide, should they wish to:
 - 1.1 additional explanatory comment to reports prepared in accordance with clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1, and 2.5.2.
 - 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 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.
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	means the % of asset quantity forecast to be replaced in next 5 years consistent with the capital expenditure forecast
% variance	<p>means:</p> $q = \frac{a - b}{b} \times 100$ <p>where:</p> <p><i>a</i> = actual expenditure</p> <p><i>b</i> = forecast expenditure</p>
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 in the IM determination
Actual expenditure	means, in relation to: <ul style="list-style-type: none"> (a) a disclosure year, expenditure for that 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 given in the IM determination

Adjustment for unamortised initial differences in assets acquired	means for assets acquired from another regulated supplier, the value of the unamortised initial differences in asset values for those assets acquired as unamortised initial differences in asset values is determined in accordance with the input methodologies that applies to the regulated goods or services supplied by that regulated supplier
Adjustment for unamortised initial differences in assets disposed	means the value of opening unamortised initial differences in asset values for assets that are disposed of during the year
Adjustment resulting from asset allocation	<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>(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</p> <p>(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</p> <p>b = total opening RAB value</p> <p>c = total depreciation</p> <p>d = total revaluations</p> <p>e = assets commissioned</p> <p>f = asset disposals</p> <p>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>

All other projects or programmes	means, within an expenditure category, the total of projects and programmes that are not material projects and programmes.
Allocator metric	has the meaning given in the IM determination
Allocator type	has the meaning given in the IM determination
Allowed controllable opex	has the meaning given in the IM determination
Amortisation of initial differences in asset values	has the meaning given in paragraph (a) of the defined term in the IM determination
Amortisation of revaluations	has the meaning given in paragraph (a) of the defined term in the IM determination
Arm's-length deduction	has the meaning given in the IM determination
Asset category transfers	means the value of an asset transferred between asset categories
Asset condition at start of planning period (percentage of units by grade)	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 (other than below)	means asset disposals other than asset disposals to a regulated supplier and asset disposals to a related party

Asset or assets with changes to depreciation	<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 determination (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(3) of the IM determination (d) the GDB chooses to disclose details about the asset(s) depreciation profile (e) 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) applies to one of its component assets
Assets acquired from a regulated supplier	<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 supplier as determined in accordance with clause 2.2.11(1)(e) of the IM determination; (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 distribution services in accordance with clause 2.1.1 of the IM determination
Assets acquired from a related party	<p>means:</p> <ul style="list-style-type: none"> (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; (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 distribution services in accordance with clause 2.1.1 of the IM determination

Assets commissioned (other than below)	means assets commissioned other than assets acquired from a regulated supplier and assets acquired from a related party
Attribution rate	means: $q = \frac{a \times b}{c}$ <p>where: <i>a</i> = average opening and closing RAB values <i>b</i> = a leverage rate of 44% <i>C</i> = total book value of interest bearing debt</p>
Atypical expenditure	means expenditure on non-network assets that are 'one-off' or 'exceptional'
Average daily delivery (GJ per day)	means: $q = \frac{a}{b}$ <p>where: <i>a</i> = total gas conveyed <i>b</i> = number of days in the disclosure year</p>
Average opening and closing RAB values	means: $q = \frac{a + b}{2}$ <p>where: <i>a</i> = opening RAB value <i>b</i> = closing RAB value</p>
Average total number of distribution customers	means the average of customer numbers measured at the start of the disclosure year and at the end of the disclosure year
Basis for determining value	means the subclause applied in valuing the related party transactions
Billed quantities	means the quantities associated with price components upon which the consumer's bill for gas distribution services is based, expressed in the units of measure used by the GDB for setting prices (for example volumes of gas delivered in GJ).

Book value	<p>means:</p> <p>(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</p> <p>(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 GDB's latest general purpose financial statements</p>
Business support	<p>in relation to expenditure, means operational expenditure associated with the following corporate activities:</p> <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 GTBs, customers and gas retailers
CAIDI (Customer Average Interruption Duration Index)	<p>means:</p> $q = \frac{a}{b}$ <p>where:</p> <p>a = SAIDI</p> <p>b = SAIFI</p>
Capital contributions funding asset relocations	<p>means the value of capital contributions that are paid to the GDB in relation to asset relocation expenditure</p>
Capital contributions funding asset replacement and renewal	<p>means the value of capital contributions that are paid to the GDB in relation to asset replacement and renewal expenditure</p>

Capital contributions funding consumer connection	means the value of capital contributions that are paid to the GDB in relation to consumer connection expenditure
Capital contributions funding legislative and regulatory	means the value of capital contributions that are paid to the GDB 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 GDB 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 GDB in relation to quality of supply expenditure
Capital contributions funding system growth	means the value of capital contributions that are paid to the GDB in relation to system growth expenditure
Cathodic protection systems	means a system that inhibits the corrosion of a metallic gas pipe by means of an impressed current or sacrificial anodes.
Class A (planned interruptions by GTB)	means planned interruptions, caused by a GTB, when the GDB is able to give 10 business days' notice to either the customer or its retailer or arrange the interruption with the customer or its retailer; unless otherwise arranged with the customer or its retailer.
Class B (planned interruptions on the network)	means planned interruptions, excluding those caused by a GTB, when the GDB is able to give 10 business days' notice to either the customer or its retailer or arrange the interruption with the customer or its retailer; unless otherwise arranged with the customer or its retailer.
Class C (unplanned interruptions on the network)	means an unplanned interruption on the GDB's network, excluding interruptions cause by third party damage and excluding any occurrence of insufficient system capability to provide the required quantity of gas to a supply point due to a failure on the transmission network

Class D (unplanned interruptions by GTB)	means an occurrence of insufficient system capability to provide the required quantity of gas to a point of supply due to a failure on the transmission network
Class I (unplanned interruptions caused by third party damage)	means an unplanned interruption on the GDB's network caused by a third party damage event
Closing deferred tax	has the meaning given in clause 2.3.7(2) of the IM determination
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: <ul style="list-style-type: none"> (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 asset allocation less lost and found assets adjustment plus closing deferred tax
Closing sum of regulatory tax asset values	means the sum of regulatory tax asset values for assets that have a value included in total closing RAB value plus the regulatory tax asset values of assets referred to in clause 2.3.9(4)(b) of the IM determination
Closing tax losses	has the meaning given in clause 2.3.2(4) of the IM determination

Closing unamortised initial differences in asset values	means closing unamortised initial differences in asset values determined in accordance with clause 2.3.5(5) of the IM determination
Commerce Act levies	means a cost specified in clause 3.1.2(2)(b)(i) of the IM determination
Consumer type	means a category of consumers as defined by the GDB that is typical of the type of consumer connected to the network. This may refer to consumer groups as used for pricing, physical connection attributes or any other attribute that the GDB considers appropriate.
Corporate tax rate	has the meaning given in the IM determination
Cost of debt assumption	means the sum of the risk free rate, 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 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 in clause 2.2.9(4) of the IM determination
CPI ₄ ⁻⁴	has the meaning given 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 in clause 2.3.2(5) of the IM determination

Data accuracy (1–4)	<p>means the GDB’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 in clause 2.4.11(4) of the IM determination
Deferred tax balance relating to assets acquired in the disclosure year	has the meaning given in clause 2.3.7(3) of the IM determination
Deferred tax balance relating to assets disposed in the disclosure year	means the amount of deferred tax associated with the assets disposed of by the GDB
Deferred tax cost allocation adjustment	means cost allocation adjustments as defined in clause 2.3.7(5) 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)	<p>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</p>
Description of transaction	<p>means a brief description of the transaction with a related party, including the goods or services provided to or by the GDB as part of that transaction</p>

Direct billing	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
Disposed asset	has the meaning given in paragraph (a) of the defined term in the IM determination
DRS	means district regulator station
Estimated impact of financial incentives on ROI	means- $q = a - b$ where $a = \text{ROI} - \text{comparable to a vanilla WACC}$ $b = \text{ROI} - \text{comparable to a vanilla WACC (excluding financial incentives)}$
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	means expenditure or loss deductible but not in regulatory profit / (loss) before tax as determined in accordance with clause 2.3.3(4)(b) of the IM determination
Expenditure or loss in regulatory profit / (loss) before tax but not deductible	means 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
Expenses cash outflow	means operational expenditure plus pass through and recoverable costs recognised in information disclosure
Financial incentives	means the net recoverable costs allowed under incremental rolling incentive scheme

Forecast expenditure	<p>means, in relation to:</p> <p>(a) current disclosure year, the forecast expenditure for the current disclosure year disclosed pursuant to subclauses 2.6.5(1) and 2.6.5(2) of this determination immediately prior to the start of the current disclosure year</p> <p>(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 2.6.5(1) and 2.6.5(2) 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</p>
Gas conveyed for Persons not involved in the GDB (TJ)	means the total amount of gas conveyed through the network or sub-network for persons not in a prescribed business relationship with the GDB
Grade 1	means the end of serviceable life, immediate intervention required
Grade 2	means material deterioration but asset condition still within serviceable life parameters. Intervention likely to be required within 3 years.
Grade 3	means normal deterioration requiring regular monitoring
Grade 4	means 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
Highest rate of capitalised finance applied	means the highest rate of finance used as the cost of financing capitalised in works under construction
Income included in regulatory profit / (loss) before tax but not taxable	means income included in regulatory profit / (loss) before tax but not taxable as determined in accordance with clause 2.3.3(4)(a) of the IM determination

Income not included in regulatory profit / (loss) before tax but taxable	means income not included in regulatory profit / (loss) before tax that is taxable as determined in accordance with clause 2.3.3(2)(a) 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
Industry levies	means a cost specified in clauses 3.1.2(1)(b)(i) and 3.1.2(2)(b)(i)-(iv) of the IM determination
Insurance	means a contract of insurance as defined in the Insurance (prudential Supervision) Act 2010
Intermediate pressure (IP)	means an operating pressure greater than 700 kPa but not exceeding 2,000 kPa.
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
Leverage	has the meaning given in the IM determination
Line item	has the meaning given in the IM determination
Line valve	means a valve for stopping the flow of gas within a main pipe.
Load factor	<p>means</p> $\frac{a}{12 \times b} \times 100$ <p>where</p> <p>a = total gas conveyed (GJ per annum) on the network or sub-network</p> <p>b = maximum monthly load (GJ per month) on the network or sub-network</p>
Low Pressure (LP)	means an operating pressure at, or below, 7 kPa.

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 GDB
Maximum daily load (GJ per day)	means the maximum amount of gas entering a network, or sub-network in a day during the disclosure year, measured in GJ
Maximum monthly load (GJ per month)	means the maximum amount of gas entering a network, or sub-network, in a month during the disclosure year, measured in GJ
Medium pressure (MP)	means an operating pressure above 7 kPa but not exceeding 700 kPa.
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 distribution services. Disclosure of the benefits to gas distribution services is required for the merger and acquisition expenditure to be recognised.
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 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 expense cash outflow plus assets commissioned less asset disposals plus tax payments less other regulated income
Monitoring and control system	means a system, including relocatable devices, that monitors and/or controls the operating state of a network.
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:</p> $q = XIRR(values, dates)$ <p>where:</p> <p><i>XIRR(values, dates)</i> is the excel function that returns an internal rate of return for a schedule of cash flows</p> <p>where the schedule of cash flows and timing are-</p> <table border="0"> <thead> <tr> <th><u>Values</u></th> <th><u>Date</u></th> </tr> </thead> <tbody> <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>- Tax payments</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> </tbody> </table> <p>•</p>	<u>Values</u>	<u>Date</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	- Tax payments	182 days before year-end	- Term credit spread differential allowance	Year-end	Closing RIV	Year-end
<u>Values</u>	<u>Date</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														
- Tax payments	182 days before year-end														
- Term credit spread differential allowance	Year-end														
Closing RIV	Year-end														
Name of related party	means the legal name of the related party that has entered into a transaction with the GDB.														
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 opex	means the sum of operational expenditure relating to service interruptions, incidents and emergencies, routine and corrective maintenance and inspection, and asset replacement and renewal														
New allocation	means the operating costs or regulated service asset value allocated to gas distribution services in accordance with the new allocator and line items for each of the relevant disclosure years														
New allocator or line item	means the allocator or line items that are used subsequent to the change in allocator or line items														
No. 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														

No. with default dates	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 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 distribution services	means services of the GDB that are not gas distribution services
Non-network opex	means the sum of operational expenditure relating to system operations and network support, and business support
Non-qualifying debt	means interest bearing debt that is not a qualifying debt
Non-standard consumer	means any consumer that is not a standard consumer
Notional deductible interest	has the meaning given in clause 2.3.4(2) of the IM determination
Notional revenue foregone from posted discounts	means, for the purposes of Schedule 8, the revenue anticipated from posted discounts had they not been applied. Posted discounts means a discount to charges payable for the supply of gas pipeline services (a) that is offered by the GDB in a published tariff schedule; and (b) the take-up of which is determined by consumers.
Number of assets at 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 complaints	means the number of individual expressions of dissatisfaction formally communicated made by a person to the GDB, related to the GDBs controlled gas business, gas services offered, or the complaint-handling process itself, where a response or resolution is explicitly or implicitly expected.

Number of confirmed public reported gas escapes per system length (escapes/1000 km)	means any confirmed escape of gas reported to the GDB; excluding third party damage events, leaks detected by routine survey and no traces events. Calculated as Number of confirmed public reported escapes of gas per system length kms \times 1000. Measurement of PRE will be limited against assets for which the GDB is responsible, i.e. assets upstream of, and including, the customer isolation valve (CIV)
Number of connections (Number of ICPs connected in year by consumer type)	means the number of new active ICPs or agreed points of supply, in the disclosure year
Number of directly billed ICPs (at year end)	means the number of customer connections the GDB bills directly, as at the end of the disclosure year
Number of emergencies	means the sum of the number of following events: An unplanned escape and/or ignition of gas that requires the active involvement of any emergencies service (i.e., fire service, ambulance); or an unplanned disruption in the supply of gas that affects more than five ICPs; or the need to evacuate premises as the result of escape or ignition of gas
Number of ICPs (at year end)	means the number of active ICPs or agreed points of supply, as at the end of the current disclosure year
Number of leaks detected by routine survey per system length (leaks/1000 km)	means the number of leaks detected on system by routine network survey Calculated as Number of leaks detected on the network by routine network survey / system length in kms \times 1000.
Number of non-compliant odour tests	means the number of tests where gas does not comply with the New Zealand Standard on Gas detection and odourisation
Number of poor pressure events due to network causes	means the number of confirmed unplanned incidents where delivery pressure drops below target levels within a pressure system. Incidents caused by low gate station pressure and third party damage events to the network should be excluded.

Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls	means the number of calls to the emergency number answered within 30 seconds per total number of calls to the emergency number
Number of third party damage events per system length (events/1000 km)	means the number of third party damage events divided by system length kms multiplied by 1000
Number of unplanned outage events	means the number of unplanned interruptions that affect more than 5 ICPs
Number of unplanned outage events caused by third party damage	means the number of unplanned interruptions that affect more than 5 ICPs caused by a third party event and excludes interruptions caused by related parties or contractors in the service of the GDB
Opening deferred tax	has the meaning given in the IM determination
Opening RIV	means the sum of total opening RAB values plus opening deferred tax
Opening sum of RAB values without revaluations	means the sum of opening RAB values as determined in accordance with the IM determination, calculated as if no amount of revaluation calculated under IMs following the determination of the initial RAB had been included in the calculation of any of those opening RAB values.
Opening sum of regulatory tax asset values	means the sum of regulatory tax asset values for assets included in the total opening RAB value plus the regulatory tax asset values of assets referred to in clause 2.3.9(4)(b) of the IM determination
Opening tax losses	has the meaning given in clause 2.3.2(3) of the IM determination

Opening unamortised initial differences in asset values	has the meaning given in clause 2.3.5(2) 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
Opening weighted average remaining useful life of relevant assets (years)	means $q = a - b$ where: <i>a</i> = the 2010 weighted average remaining asset life of assets included in the 2010 opening unamortised initial differences in asset values calculated by using the 2010 opening unamortised initial difference in asset values as weights, where positive differences have a positive weighting and negative differences have a negative weighting and remaining asset life is the remaining asset life as defined in the IM determination or remaining tax life where the remaining asset life is nil. <i>b</i> = disclosure year less 2010
Operating surplus / (deficit)	means total regulatory income less operational expenditure less pass through and recoverable costs recognised in information disclosure
Original allocation	means the operational expenditure or regulated service asset values allocated to gas distribution 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

Original tenor	<p>means:</p> <p>(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;</p> <p>(b) where the qualifying debt or non-qualifying debt is issued to a related party, the shorter of the-</p> <p>(i) the tenor of the qualifying debt; or</p> <p>(ii) the period from the qualifying debt's issue date to the earliest date on which its repayment is or may be required</p>
Other adjustments to the RAB tax value	<p>means</p> $q = a - (b + c - d + e - f - g)$ <p>where:</p> <p><i>a</i> = closing sum of regulatory tax asset values</p> <p><i>b</i> = opening sum of regulatory tax asset values</p> <p><i>c</i> = regulatory tax asset value of assets commissioned</p> <p><i>d</i> = regulatory tax asset value of asset disposals</p> <p><i>e</i> = tax depreciation</p> <p><i>f</i> = lost and found assets adjustment</p> <p><i>g</i> = adjustment resulting from asset allocation</p>
Other assets	means other network assets that are not monitoring and control systems or cathodic protection systems
Other network assets	means network assets used by the GDB to provide gas distribution services that are not intermediate pressure main pipe, medium pressure main pipe, low pressure main pipe, service pipe, stations, line valves, or special crossings
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
OVABAA allocation increase	has the meaning given in the IM determination
Pass through and recoverable costs recognised in information disclosure	means the sum of rates, Commerce Act levies, industry levies and CPP specified pass through costs

Pressure system	means a configuration of connected pipes and fittings, at the same nominal operating pressure, used for the conveyance of gas
Previous years' incremental gain/(loss)	means the incremental change and 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 GDB that uniquely identifies a consumer group for an ICP
Pricing date	means the day on which a qualifying debt is priced
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 in paragraph (a) of the defined term in clause 1.1.4(2) of the IM determination
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'
Region	means the portions of the network to which each posted standard price schedule applies

Regulated supplier	has the meaning given in the IM determination
Regulatory investment value	means opening regulatory investment value
Regulatory net taxable income	has the meaning given in clause 2.3.1(2) of the IM determination
Regulatory period	has the meaning given 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: $q = a - b + c$ <p>where: a = operating surplus / (deficit) b = total depreciation c = total revaluations</p>
Regulatory tax allowance	has the meaning given in clause 2.3.1 of the IM determination
Regulatory tax asset value	has the meaning given 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
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 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

Research and development	<p>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:</p> <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 GDB representative until the GDB's personnel arrives at the location of the emergency.												
Revaluation rate	has the meaning given in the IM determination												
ROI	means return on investment												
ROI – comparable to a post tax WACC	means the ROI comparable to the vanilla WACC less the product of the cost of debt assumption(%), the leverage and the corporate tax rate												
ROI – comparable to a vanilla WACC	<p>means: $q = XIRR(values, dates)$</p> <p>where: <i>XIRR(values, dates) is the excel function that returns an internal rate of return for a schedule of cash flows</i></p> <p>where the schedule of cash flows and timing are-</p> <table> <thead> <tr> <th><u>Values</u></th> <th><u>Date</u></th> </tr> </thead> <tbody> <tr> <td>- Opening RIV</td> <td>365 days before year-end</td> </tr> <tr> <td>- Mid-year net cash outflows</td> <td>182 days before year-end</td> </tr> <tr> <td>Line charge revenue</td> <td>148 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> </tbody> </table>	<u>Values</u>	<u>Date</u>	- Opening RIV	365 days before year-end	- Mid-year net cash outflows	182 days before year-end	Line charge revenue	148 days before year-end	- Term credit spread differential allowance	Year-end	Closing RIV	Year-end
<u>Values</u>	<u>Date</u>												
- Opening RIV	365 days before year-end												
- Mid-year net cash outflows	182 days before year-end												
Line charge revenue	148 days before year-end												
- Term credit spread differential allowance	Year-end												
Closing RIV	Year-end												

ROI – comparable to a vanilla WACC (excluding financial incentives)	<p>means:</p> $q = XIRR(values, dates)$ <p>where:</p> <p><i>XIRR(values, dates)</i> is the excel function that returns an internal rate of return for a schedule of cash flows</p> <p>where the schedule of cash flows and timing are-</p> <table border="1"> <thead> <tr> <th><u>Values</u></th> <th><u>Date</u></th> </tr> </thead> <tbody> <tr> <td>- Opening RIV</td> <td>365 days before year-end</td> </tr> <tr> <td>- Mid-year net cash outflows plus financial incentives multiplied by the corporate tax rate</td> <td>182 days before year-end</td> </tr> <tr> <td>Line Charge revenue less financial incentives</td> <td>148 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> </tbody> </table>	<u>Values</u>	<u>Date</u>	- Opening RIV	365 days before year-end	- Mid-year net cash outflows plus financial incentives multiplied by the corporate tax rate	182 days before year-end	Line Charge revenue less financial incentives	148 days before year-end	- Term credit spread differential allowance	Year-end	Closing RIV	Year-end
<u>Values</u>	<u>Date</u>												
- Opening RIV	365 days before year-end												
- Mid-year net cash outflows plus financial incentives multiplied by the corporate tax rate	182 days before year-end												
Line Charge revenue less financial incentives	148 days before year-end												
- Term credit spread differential allowance	Year-end												
Closing RIV	Year-end												
Routine expenditure	means expenditure on non-network assets that are not atypical expenditure												
SAIDI (System Average Interruption Duration Index)	means (Sum of (unplanned interruption durations) - Sum of (unplanned interruption durations caused by transmission faults))/ average total ICP numbers x1000												
SAIFI (System Average Interruption Frequency Index)	means Sum of (no of ICPs affected by each unplanned interruption not caused by transmission faults)/ average total ICP numbers x 1000												
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>
Standard consumer	means a consumer of the GDB that has a standard contract with that GDB for the provision of gas pipeline services
System length (km) (at year end)	means the total length of pipeline (in kilometres) that forms the network as at the end of the current disclosure year
System operations and network support	<p>In relation to expenditure, means operational expenditure where the primary driver is the management of the network and includes expenditure relating to control centre and office-based system operations, including-</p> <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

	<ul style="list-style-type: none"> • connection and customer records/customer management databases (including embedded generators) • 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, embedded generators • 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
Tax depreciation	has the meaning given in clause 2.3.8(3) of the IM determination
Tax effect	has the meaning given 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 amortisation of initial differences in asset values	means the tax effect of amortisation of initial differences in asset values, using the definition of “tax effect” and “amortisation of initial difference in asset values” in this schedule

Tax effect of other temporary differences	means the tax effect of positive temporary differences less negative temporary differences but excluding deferred tax balances relating to assets disposed in the disclosure year. Positive temporary differences and negative temporary differences have the meanings given in clause 2.3.8(4) and (5) of the IM determination
Tax effect of tax depreciation	means the tax effect of tax depreciation using the definitions of “tax effect” and “tax depreciation” in this schedule
Tax payments	means regulatory tax allowance plus the decrease in deferred tax
Term credit spread difference	has the meaning given in the IM determination
Term credit spread differential allowance	has the meaning given in the IM determination
Third party damage event	means an event where a third party has caused damage requiring repair to the network or associated equipment <i>(Note: third party damage excludes damage caused by related parties or by contractors in the service of the GDB)</i>
Total attributable to regulated service	means the sum of directly attributable costs or assets and not directly attributable costs or assets that are attributable to gas distribution 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 value	means: (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: (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 (GJ per annum)	means the amount of gas entering a network, or sub-network, in the disclosure year, measured in GJ
Total opening RAB value subject to revaluation	means: (a) in relation to the unallocated RAB, total opening RAB values - unallocated RAB less opening value of fully depreciated, disposed and lost assets - unallocated RAB; (b) in relation to the RAB, total opening RAB values - RAB less opening value of fully depreciated, disposed and lost assets – RAB
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
Transmission network	has the same meaning as in the IM determination
Utilised tax losses	has the meaning given paragraph (a) of the defined term in the IM determination
Value of transaction	means the value of the related party transaction as determined in accordance with clauses 2.3.6 and 2.3.7 of this determination
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 in the IM determination
Weighted average pipe diameter (mm)	means the weighted average pipe diameter, expressed in millimetres, based on the length of pipeline that form the network
Weighted average remaining asset life	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 value has the meaning given in the IM determination
Year-end ROI – comparable to a post tax WACC	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

Year-end ROI – comparable to a vanilla WACC	<p>means:</p> $q = \frac{a}{b + (c \times .05)}$ <p>where:</p> <p>a = Regulatory profit / (loss) b = Opening RIV c = Assets commissioned</p>
---	---

Schedule 17: Certification for Year-beginning Disclosures

Clause 2.9.1

- 1 We, [insert full names], being directors of [name of GDB] certify that, having made all reasonable enquiry, to the best of our knowledge:
 - (a) the following attached information of [name of GDB] prepared for the purposes of clause 2.6.1, subclause 2.6.3(3), clauses 2.6.5 and 2.7.2 *[and subclause 2.13.1(1)(b)] of the Gas Distribution Information Disclosure Determination 2015 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.
 - (c) The forecasts in Schedules 11a, 11b, 12a, 12b and 12c are based on objective and reasonable assumptions which both align with [name of GDB]'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

- 1 We, [insert full names], being directors of [name of GDB] certify that, having made all reasonable enquiry, to the best of our knowledge:
 - (a) the following attached information of [name of GDB] prepared for the purposes of clause 2.4.1 of the Gas Distribution Information Disclosure Determination 2015 in all material respects complies with that determination.
 - (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

- 1 We, [insert full names], being directors of [name of GDB] 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, 2.4.21, 2.4.22, 2.5.1, 2.5.2, 2.7.1 and 2.12.2 of the Gas Distribution Information Disclosure Determination 2015 in all material respects complies with that determination; and
 - b) the historical information used in the preparation of Schedules 8, 9a, 9b, 9c, 9d, 10a, 10b and 14 has been properly extracted from the [name of GDB]'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].

*[In respect of related party costs and revenues recorded in accordance with subclauses 2.3.6(1) (when valued in accordance with clause 2.2.11(5)(h)(ii) of the Gas Distribution Services Input Methodologies Determination 2010), 2.3.6(2)(f) and 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]



[Draft] Gas Distribution Information Disclosure Determination 2015

Consolidating all amendments as of [XX XXXX] 2015

Gas Distribution Information Disclosure Determination under Part 4 of the Commerce Act 1986. The reasons supporting the determination are outlined in the Information Disclosure for Electricity Distribution Businesses and Gas Pipeline Businesses: Final Reasons Paper, 1 October 2012 and the [Information Disclosure Amendments for Electricity Distribution Businesses and Gas Pipeline Businesses: Final Reasons Paper], [XX XXXX] 2015.

The Commerce Commission:
Dr M Berry
S Begg
P Duignan
S Gale

|
[XX XXXX] 2015

Amendments identified

Proposed amendments to the determination are identified as track changes except for:

- changes to the Excel based schedules which are identified with an orange highlight; and
- changes to the first three pages which does not identify proposed changes.

Date of Original Determination, Decision No. NZCC 23: 1 October 2012

Consolidating all amendments as of [XX XXXX] 2015

Determination version history		
Determination date	Decision number	Determination name
1 October 2012	NZCC 23	Gas Distribution Information Disclosure Determination ('principal determination').
[XX XXXX] 2015	[XXXX]	Gas Distribution Information Disclosure Determination Amendments (No. 1) 2015

Regulation Branch, Commerce Commission

Wellington, NEW ZEALAND

[XX XXXX] 2015

ISBN: [XXXX]

GAS DISTRIBUTION INFORMATION DISCLOSURE DETERMINATION 2015

PART 1	GENERAL PROVISIONS	6
1.1	TITLE	6
1.2	COMMENCEMENT DATE	6
1.3	APPLICATION	6
1.4	INTERPRETATION	6
PART 2	DISCLOSURE REQUIREMENTS	30
2.1	INFORMATION DISCLOSURE	30
2.2	APPLICABLE INPUT METHODOLOGIES	30
2.3	FINANCIAL INFORMATION FOR THE DISCLOSURE YEAR	31
2.4	PRICING AND RELATED INFORMATION	37
2.5	NON-FINANCIAL INFORMATION RELATING TO NETWORK ASSETS	44
2.6	ASSET MANAGEMENT PLANS AND FORECAST INFORMATION	45
2.7	EXPLANATORY NOTES TO DISCLOSED INFORMATION	47
2.8	ASSURANCE REPORTS	48
2.9	CERTIFICATES	50
2.10	RETENTION AND CONTINUING DISCLOSURES	50
2.11	EXEMPTIONS	50
2.12	DISCLOSURE OF ERRORS IN PREVIOUSLY DISCLOSED INFORMATION	51
2.13	TRANSITIONAL PROVISIONS	55
ATTACHMENT A: ASSET MANAGEMENT PLANS		58
SCHEDULE 1: ANALYTICAL RATIOS		71
SCHEDULE 2: REPORT ON RETURN ON INVESTMENT		72
SCHEDULE 3: REPORT ON REGULATORY PROFIT		74

SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)	76
SCHEDULE 5A: REPORT ON REGULATORY TAX ALLOWANCE	78
SCHEDULE 5B:REPORT ON RELATED PARTY TRANSACTIONS	80
SCHEDULE 5C:REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE	81
SCHEDULE 5D: REPORT ON COST ALLOCATIONS	82
SCHEDULE 5E:REPORT ON ASSET ALLOCATIONS	84
SCHEDULE 5F:REPORT SUPPORTING COST ALLOCATIONS	86
SCHEDULE 5G: REPORT SUPPORTING ASSET ALLOCATIONS	88
SCHEDULE 6A: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR	90
SCHEDULE 6B:REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR	93
SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE	94
SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES	95
SCHEDULE 9A: ASSET REGISTER	97
SCHEDULE 9B:ASSET AGE PROFILE	98
SCHEDULE 9C:REPORT ON PIPELINE DATA	99
SCHEDULE 9D: REPORT ON DEMAND	100
SCHEDULE 10A: REPORT ON NETWORK RELIABILITY AND INTERRUPTIONS	101
SCHEDULE 10B: REPORT ON NETWORK INTEGRITY AND CONSUMER SERVICE	102
SCHEDULE 11A: REPORT ON FORECAST CAPITAL EXPENDITURE	103
SCHEDULE 11B: REPORT ON FORECAST OPERATIONAL EXPENDITURE	107
SCHEDULE 12A: REPORT ON ASSET CONDITION	108
SCHEDULE 12B: REPORT ON FORECAST UTILISATION	109
SCHEDULE 12C: REPORT ON FORECAST DEMAND	110
SCHEDULE 13:REPORT ON ASSET MANAGEMENT MATURITY	111

SCHEDULE 14: MANDATORY EXPLANATORY NOTES	130
SCHEDULE 14A: MANDATORY EXPLANATORY NOTES ON FORECAST INFORMATION	136
SCHEDULE 15: VOLUNTARY EXPLANATORY NOTES	139
SCHEDULE 16: DEFINITIONS OF TERMS USED IN SCHEDULES 1 TO 15	140
SCHEDULE 17: CERTIFICATION FOR YEAR-BEGINNING DISCLOSURES	178
SCHEDULE 18: CERTIFICATION FOR DISCLOSURES AT THE BEGINNING OF A PRICING YEAR	179
SCHEDULE 19: CERTIFICATION FOR YEAR-END DISCLOSURES	180

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

PART 1 GENERAL PROVISIONS

1.1 TITLE

1.1.1 This ~~determination~~ Gas Distribution Information Disclosure Determination consolidates all amendments to [XX XXXX] 2012~~5~~.

1.2 COMMENCEMENT DATE

1.2.1 This determination comes into force on ~~1 October [XX XXXX]~~ 2012~~5~~.

1.3 APPLICATION

1.3.1 This determination applies to **gas distribution 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 attachments) 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 in this ~~D~~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
<u>Allocated works under construction</u>	<u>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</u>
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 set out in clause 2.1.3 or clause 2.1.5 of the IM determination
AMP	means asset management plan
AMP planning period	has the meaning specified in <u>sub</u> clause 3.4 of Attachment A to this determination
AMP update	has the meaning specified in clause 2.6.4 of section 2.6 of this determination
<u>Asset disposals</u>	<u>means:</u> <u>(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;</u> <u>(b) in relation to the RAB, the value as determined in accordance with paragraph (a) which was allocated to gas distribution services in accordance with clause 2.1.1 of the IM determination</u>

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**

Asset management plan

has the meaning 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

Formatted: Font: Bold

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

Formatted: Font: Bold

operational expenditure

where the **primary driver** is the need to maintain **network** asset integrity so as to

Formatted: Font: Bold

maintain current security and/or quality of supply standards and includes expenditure to replace or renew assets incurred as a result of-

- 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 distribution 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**

Formatted: Font: Bold

Atypical

Audited disclosure information

means 'one-off' or 'exceptional' costs

means information disclosed under any of clauses 2.3.1, 2.3.2, and ~~2.12.22-12.1~~ of this determination, the SAIDI and SAIFI information disclosed in Schedule 10a(ii) under subclauses 2.5.1(1)(e)~~2.5.1(5)~~ and 2.5.2(1)(e)~~2.5.2(5)~~ and the explanatory notes disclosed in boxes 1 to 12 and 17 of Schedule 14 under clause 2.7

B

C

Capital contributions

has the meaning ~~given set out~~ 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
 - (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
Constant prices	means, in relation to the prospective disclosures made under subclauses 2.6.1, 2.6.3, and 2.6.52-6-5(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.
Consumer	means a person that consumes or acquires gas distribution services
Consumer connection	in relation to expenditure, means expenditure on assets where the primary driver is the establishment of a new customer connection point or alterations to an existing customer connection point. This expenditure category

Formatted: Font: Bold

Formatted: Font: Bold

includes **expenditure on assets** relating to-

- ~~(a)~~ 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
- ~~(a)~~
- (b) both gas injection and offtake points of connection

Formatted: Font: Bold

Consumer group

means the category of **consumer** used by the **GDB** for the purposes of setting **prices**

~~Constant prices~~

~~means, in relation to the prospective disclosures made under subclauses 2.6.1 and 2.6.3, and subclause 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 ~~eat~~ contract

Contracting services

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

- (a) construction and maintenance
- (b) **network** management
- (c) connection and disconnection services

Formatted: Font: Bold

Cost of financing

means the cost of financing incurred by a **GDB** 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 distribution 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 2.6.5(1), the **disclosure year** in which the report is prepared

CY, CY-X or CY+X

means-

- (a) the **current year**; or
- (b) where a '-' precedes 'X', the Xth year preceding the **current year**; 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**

Disclosure year

means-

- (a) for Vector and for GasNet the 12 month period ending on 30 June of the year the disclosure relates to or, if the term **disclosure year** is preceded by a year, the 12 month period ended on 30 June of that year
- (b) for Powerco the 12 month period ending on 30 September of the year the disclosure relates or if the term **disclosure year** is preceded by a year, the 12 month period ended on 30 September of that year

DPP regulatory period

~~means the regulatory period that generally applies to suppliers that are subject to DPP regulation~~ has the meaning set out in the **IM Determination**

E

EDB

~~has the meaning given in the input methodology relating to electricity distribution services determined pursuant to Subpart 3 of Part 4 of the **Act**, as in effect at any given time~~

Error

~~means-~~

- ~~(a) the base data was incorrect;~~
- ~~(b) a factual statement was incorrect; or~~
- ~~(c) the compilation of disclosed information was inconsistent with the information disclosure requirements in place at the time~~

Formatted: Space After: 0 pt

Expenditure on assets	<p><u>of disclosure; and</u> <u>is not where-</u> <u>(d) the correction is to the initial RAB;</u> <u>(e) an estimate has changed due to new information becoming available;</u> <u>(f) the change is a lost and found assets adjustment;</u> <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>	<p>Formatted: Font: Bold</p> <p>Formatted: Font: Bold</p>
Fault	<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><u>means generally accepted accounting practice in New Zealand, as defined in the IM determination</u></p>	
Gains / (losses) on asset disposals	<p>means, in relation to-</p> <p>(a) assets disposals to a related party, nil;</p> <p>(b) assets 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>	<p>Formatted: Font: Bold</p> <p>Formatted: Font: Bold</p> <p>Formatted: Font: Bold</p>
Gas distribution services	<p>has the meaning <u>given set out</u> in the IM determination</p>	<p>Formatted: Font: Bold</p>
Gas pipeline services	<p><u>has the meaning given in s 55 of the Act</u></p>	
GAAP	<p><u>means generally accepted accounting practice in New Zealand, as defined in the IM</u></p>	

GDB	determination means gas distribution business as that term is defined in the IM determination
GPB	means gas pipeline businesses, and includes GDBs and GTBs
GTB	has the meaning givenset out in the input methodology relating to Gas Transmission Services determined pursuant to Subpart 3 of Part 4 of the Act, as in effect at any given time Input Methodologies Determination 2010 (Commerce Commission Decision 712, 22 December 2010)
Gas pipeline services	has the meaning givenset out in s 55 of the Act

H

I

ICP	means installation control point being the point at which a consumer installation is deemed to have gas supplied, and which represents the consumer installation on the registry
------------	--

Formatted: Font: Bold

Formatted: Font: Bold

IM determination	refers to means the input methodology relating to Gas Distribution Services determined pursuant to Subpart 3 of Part 4 of the Act, as in effect at any given time Input Methodologies Determination 2010 (Commerce Commission Decision 711, 22 December 2010)
-------------------------	---

Independent auditor	means a person who- <ul style="list-style-type: none"> (a) is qualified for appointment as auditor of a company under the Companies Act 1993 or, where the GPB 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 GPB 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
----------------------------	--

Formatted: Font: Bold

- 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

Initial RAB

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

Interruption

means a loss of gas supply upstream of the **customer isolation valve** (riser valve)

Formatted: Font: Bold

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 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 distribution services** in accordance with clause 2.1.1 of the **IM determination**
- (c) in relation to the regulatory tax asset base roll-forward, means the sum of regulatory tax asset values for found assets less the

[regulatory tax asset values of lost assets.](#)
[The definition of 'found assets' and 'lost assets' are outlined in the **IM determination**](#)

M

Main pipe

means the pipes that transport gas from the bulk supply transmission **system** to each **service pipe**

Formatted: Font: Bold

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.

N

Network

has the meaning [givenset 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 of 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:~~

- ~~• 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:

~~(a)~~ information and technology **systems**;

Formatted: Font: Bold

~~(a)~~

Formatted: Font: Bold

~~(b)~~ asset management **systems**;

Formatted: Font: Bold

~~(b)~~

Formatted: Font: Bold

~~(c)~~ office buildings, depots and ~~workshops~~;

Formatted: Font: Bold

~~(c)~~

~~(d)~~ office furniture and equipment;

Formatted: Font: Bold

~~(d)~~

~~(e)~~ motor vehicles; and

Formatted: Font: Bold

~~(e)~~

~~(f)~~ tools, plant and machinery; and

~~(g)(f)~~ any other items treated as non-system fixed assets under GAAP

Non-standard contract

means a **contract** for **gas distribution 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**

Notional net cash flows

means line charge revenue less monthly net cash outflows, in relation to the: ROI, operating surplus / (deficit) less regulatory tax allowance less assets commissioned plus asset disposals alternative ROI, revenue less expenses less tax payments less assets commissioned plus asset disposals

O

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 Report on related party transactions where it means operating costs from related party transactions as determined after applying clause 2.1.12.3.6 of the IM determination <u>and clause 2.3.6 of this determination</u>
Other assets	means other network assets that are not monitoring and control systems or cathodic protection systems assets used by the GDB to provide gas distribution services and which are not intermediate pressure main pipe, medium pressure main pipe, low pressure main pipe, service pipe, stations, line valves, special crossings, or other system fixed assets
Other regulated income	has the meaning given set out in the IM determination ;
Other network assets	means network assets used by the GDB to provide gas distribution services that are not intermediate pressure main pipe, medium pressure main pipe, low pressure main pipe, service pipe, stations, line valves, or special crossings
<u>Other reliability, safety and environment</u>	in relation to expenditure, means <u>expenditure on assets</u> where the primary driver is to improve network reliability or safety or to <u>mitigate the environmental impacts of the network</u> , but is not included in either of the <u>quality of supply or legislative and regulatory</u> categories. For example, this category may include <u>expenditure on assets</u> where the primary driver is to ensure staff safety or meet the GDB's environmental policies.
Pass through and recoverable costs	P means a cost specified in clause 3.1.2 or 3.1.3 of the IM determination

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 24 hours notice was given, either to the public or to all gas consumers affected by the interruption
Prescribed contract	in relation to a GDB, means- <ul style="list-style-type: none">(a) a contract under which the GDB supplies gas pipeline services; or(b) a contract for related services, if goods or services are to be supplied under the contract by-<ul style="list-style-type: none">(i) the GDB; or(ii) a person that is a related party of the GDB; or(iii) a person that carries out gas pipeline services by means of works owned by the GDB; 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 distribution services <u>or for related services</u> , the terms and conditions of the contract that- <ul style="list-style-type: none">(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-<ul style="list-style-type: none">(i) price at which those goods or services are to be supplied;(ii) timing of payment for those goods

Formatted: Font: Bold

Formatted: Font: Bold

Formatted: Font: Bold

or services;

(iii) security for payment for those goods or services; and

(iv) **GDB's** obligations and responsibilities (if any) to **consumers** in the event that the supply of **gas pipeline 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**

Formatted: Font: Bold

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 **GDB** on the **GDB'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 of this determination

Formatted: Font: Bold

Primary driver means the primary reason for a decision to incur a cost in the year the cost was incurred or forecast to be incurred.

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**.

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

Publicly disclose

~~in relation to any information,~~ means to-

- (a) disclose the information to the public on the Internet at the **GDB'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 **GDB** making the public disclosure and
- (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
- (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),

Formatted: Font: Bold

Formatted: Font: Bold

Formatted: Font: Bold

Formatted: Font: Bold

and **public disclosure** and **publicly disclosing** have corresponding meanings

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-

~~(a)~~ reduce the overall **interruption/fault** rate of the **network**;

~~(a)~~

~~(b)~~ reduce the average time that **consumers** are affected by **planned interruptions** and/or **unplanned interruptions**; or

Formatted: Font: Bold

~~(b)~~

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

Formatted: Font: Bold

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 givenset-out in section 4 of the Public Records Act 2005

Regulated service

has the meaning given in the IM determination

Formatted: Font: Bold

Regulated service asset value

has the meaning givenset-out in the **IM determination**

Regulatory taxable income

has the meaning set out in the IM determination

Related party

has the meaning givenset-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 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 ~~referred to in (a)(ii) that~~ 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** ~~for the supply or conveyance of gas~~ ~~referred to in (a)(ii)~~

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-

Formatted: Normal

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

Formatted: Font: Bold

Formatted: Font: Bold

~~(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

Formatted: Font: Bold

(g)

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

Formatted: Font: Bold

(h)

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

(i)

~~(j)~~ customer-driven maintenance

(j)

(k) notices issued

S

Service pipe

means the pipes used for the transport of gas from the **main pipe** to the customer isolation **valve** (riser valve)

Formatted: Font: Bold

Shared asset

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

Formatted: Font: Bold

Sole use assets

means assets connected to the **network** for use by only 1 connecting **consumer** in order to receive **gas pipeline 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
- (c) 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 **main pipe** or **service 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 pipeline services**) between a **GDB** and any other **person**, where-

- (a) the **price** at which the **gas pipeline 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 other **persons** have such **contracts** with the **GDB**, and none of those other **persons** is a **related party** of the **GDB**, or is a **related party** of those other **persons**

Formatted: Font: Bold

Station

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

Sub-network

means, in relation to **network** assets of-

- (a) Vector, either the assets located in the Auckland geographic region or the assets located outside that region; and
- (b) Powerco, either the assets located in the Wellington and the Hutt Valley and Porirua geographic regions or the assets located outside those regions

System

means, in relation to a pipeline owner, ~~means~~ a configuration of connected pipes and other fittings that are used or intended to be used for

System growth the conveyance or supply of gas in relation to expenditure, means **expenditure on assets** where the **primary driver** is a change in demand 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

T

Target revenue means the revenue that the **GDB** 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 disposals** and **other regulated income**
- (b) in relation to the Report on Related party transactions, income from **related party transactions** as determined after applying clauses 2.3.6 and 2.3.7 of this determination

Formatted: Font: Not Bold

Transitional AMP has the meaning specified in [subclause 2.13.1\(2\) of this determination](#)~~2.12.8(2)~~

~~**Transmission network** has the same meaning as in the **IM Determination**~~

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**

Unplanned interruption

means any **interruption** that is not a **planned interruption** in respect of which not less than 24 hours notice was given, either to the public or to all consumers affected by the interruption

V

Value of capital contributions

means the value of **capital contributions** received by a **GDB** 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 distribution 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 **GDB** 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** and allocated to the **gas distribution services** in accordance with clause 2.1.1 of the **IM determination**

Formatted: Font: Bold

Valve

means a fitting installed in a pipeline designed to control the flow of gas

W

Formatted

Works under construction

means-
(a) in relation to **unallocated works under**

construction, the value of q calculated using the following formula:

$$\underline{q = a + b - c + d}$$

where-

a = unallocated works under construction - preceding disclosure year;

b = unallocated RAB capital expenditure;

c = unallocated RAB assets commissioned;
and

d = adjustment resulting from asset allocation;

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

W

X

Y

Z

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 **GDB** 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 section 2.8 and 2.9;
- (7) The retention and continuous disclosure requirements in section 2.10;
- (8) The transitional provisions in section ~~2-122.13~~.

2.2 APPLICABLE INPUT METHODOLOGIES

2.2.1 Every **GDB** 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, within 6 months and 5 working days~~ after the end of each **disclosure year**, every **GDB** must disclose information relating to its financial position by-

- (1) Completing each of the following reports by inserting all information relating to the **gas pipeline services** supplied by the **GDB** 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 ~~2.12-12~~, within 6 months and 5 working days after the end of each **disclosure year**, every **GDB** must disclose to the **Commission** information supporting the information disclosed in accordance with ~~subclause 2.3.1 of this section above~~ by-

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

Formatted: Heading H4: Clause text

~~(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~~, in completing the Report on Return on Investment in Schedule 2-

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

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

Formatted: Font: Bold

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

Formatted: Font: Bold

Formatted: Font: Bold

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

Term credit spread differential allowance

2.3.4 **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**.

Formatted: Font: Bold

Allocation of assets and operating costs

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

(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**.

Formatted: Font: Bold

Formatted: Font: Bold

Related party transactions

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

- (1) For the cost of a **commissioned** asset or a component of a **commissioned** asset acquired from a **related party**, as determined in accordance with clause 2.2.11(1)(e)-(g) of the **IM determination**;
- (2) For any service or good which was acquired from a **related party**, 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 clause 2.1.1 of the **IM determination**, provided that the cost incurred by the **related party** in providing the service to the **GDB**-
 - (i) is fair and reasonable to the **GDB**; 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 **GDB**, where-
 - (i) at least 50% of the **related party's** sales of services or 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 **GDB**, where—
- (i) the price paid for all services, goods, and assets acquired from that **related party** is less than 1% of the **GDB'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 **GDB's** total revenue from the **regulated service**; or
- (e) at the price paid by the **GDB** 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 or goods by the **related party** does not include any **special contract terms**; and
 - (v) the **GDB** 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;
- (f) the price paid by the **GDB**, provided—

Formatted: Font: Bold

- (i) the price cannot otherwise be determined under subclauses (a) to (e); and
 - (ii) no fewer than 2 **directors** of the **GDB** provide a written certification that they are satisfied that the price or prices paid for all services, goods, or assets determined in accordance with this paragraph reflect the price or prices that would be received in an arm's-length transaction; or
- (g) nil.

2.3.7 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**, must be one of the following-

- (1) If the **related party** is another **GDB**, an **EDB**, or **GTB** 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 **GDB** makes at least 50% of its revenue from the provision of similar services to unrelated parties, and the price charged by the **GDB** 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 **GDB** 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 **GDB** in providing the service, good, or asset.

Information on capital expenditure projects

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

- (1) Separately disclose **consumer connection** expenditure for each consumer type defined by the **GDB** in 6a(iii) of Schedule 6a;

Formatted: Font: Not Bold

Formatted: Font: Not Bold

- (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);
- (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 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).

Information on physical service life potential

2.3.9 For all assets or groups of assets where the **GDB** 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 Ddetermination**, within 6 months after the end of each **disclosure year**, the **GDB** must **publicly disclose** the report written by the engineer which was prepared in accordance with clause 2.2.8(3)(b) of the **IM Ddetermination**.

2.4 PRICING AND RELATED INFORMATION

Disclosure of pricing methodologies

2.4.1 Every **GDB** 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 *of this section*, 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 *of this section*, the approach taken with respect to pricing in **non-standard contracts**;
- (4) Explains whether, and if so how, the **GDB** has sought the views of **consumers**, their expectations in terms of **price** and quality, and reflected those views in calculating the **prices** payable or to be payable. If the **GDB** 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 **prices** determined in accordance with the change or the different pricing methodology take effect.

2.4.3 Every disclosure under clause 2.4.1 *above* must-

- (1) Include sufficient information and commentary to enable interested **persons** to understand how **prices** were set for each **consumer group**, including the assumptions and statistics used to determine **prices** for each **consumer group**;
- (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**;

Formatted: Font: Bold

- (3) State the **target revenue** expected to be collected for the **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 **GDB's** provision of **gas pipeline services**. Disclosure must include the numerical value of each of the components;
- (5) State the **consumer groups** for whom **prices** have been set, and describe-
 - (a) the rationale for grouping **consumers** in this way;
 - (b) the method and the criteria used by the **GDB** to allocate **consumers** to each of the **consumer groups**;
- (6) If **prices** have changed from **prices** disclosed for the immediately preceding **pricing year**, explain the reasons for changes, and quantify the difference in respect of each of those reasons;
- (7) Where applicable, describe the method used by the **GDB** to allocate the **target revenue** among **consumer groups**, including the numerical values of the **target revenue** allocated to each **consumer group** and the rationale for allocating it in this way;
- (8) State the proportion of **target revenue** (if applicable) that is collected through each **price component** as **publicly disclosed** under clause 2.4.18.

Formatted: Font: Bold

2.4.4 Every disclosure under clause 2.4.1 ~~above~~ must, if the **GDB** 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** 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 ~~above~~ must-

- (1) Describe the approach to setting **prices** for **non-standard contracts**, including-

- (a) the extent of **non-standard contract** use, including the number of **JCPs** represented by **non-standard contracts** and the value of **target revenue** expected to be collected from **consumers** subject to **non-standard contracts**;
 - (b) how the **GDB** 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 **GDB's** obligations and responsibilities (if any) to **consumers** subject to **non-standard contracts** in the event that the supply of **gas pipeline 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**.

Formatted: Font: Bold

Disclosure of capital contributions

2.4.6 Every **GDB** 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 **GDB** 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 **GDB**;

- (3) If the **GDB** 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 the **GDB** seeks a **capital contribution**, queries the **capital contribution** charge (and when the charge is not covered in the standard schedule of **capital contribution** charges, or no such schedule exists) a **GDB** 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 **GDB** determines the amount of **capital contributions**; or
- (2) The **GDB** has or can obtain information about the policy or methodology used by another **person** to determine **capital contributions** where the **GDB** receives those **capital contributions**.

Disclosure of prescribed terms and conditions of contracts

2.4.9 Every **GDB** 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 and section 2.12~~, if any **prescribed terms and conditions** of a **prescribed contract** ~~(where it is that is~~ also a **standard contract**, ~~(including a **prescribed contract** that was entered into before 1 October 2012~~ ~~the commencement date of this determination)~~ are modified, the **GDB** 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 **GDB** of the **prescribed terms and conditions** of a **standard contract** is to be regarded as **public disclosure** by that **GDB** in relation to all of its **standard contracts** with the same **prescribed terms and conditions**.

2.4.12 Subject to section 53C(4) of the **Act**~~, and section 2.12~~, every **GDB** 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-

- (1) **Publicly disclose** a description of the goods or services to be supplied under the **prescribed contract** and the quantity or amount of those goods or services; or
- (2) **Publicly disclose** 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 **GDB** 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.

Formatted: Font: Bold

2.4.14 Clauses 2.4.15 and 2.4.16 apply to **prescribed contracts** that are **non-standard 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 1 October 2012~~the commencement date~~.

2.4.15 Subject to section 53C(4) of the **Act** ~~and section 2.12~~, if any **prescribed terms and conditions** of a **prescribed contract** described under clause 2.4.14 are modified, every **GDB** must immediately **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; and

- (2) The fact of its modification.

2.4.16 Within 20 working days of a request by any **person**, the **GDB** 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 **GDB** 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 hourly 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 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 **GDB** must at all times **publicly disclose**-

- (1) Each current **price** expressed in a manner that enables individual **consumers** to determine-
 - (a) the **consumer group** or **consumer groups** applicable to them;
 - (b) the total **price** for **gas pipeline services** applicable to them;
 - (c) the **prices** represented by each **price component** 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 **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 **GDB** must, at least 20 working days before changing or withdrawing a **price** or introducing a new **price** that is payable by 5 or more **consumers**-

(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**.

(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 **consumers** in the news section of either-
 - (i) 2 separate editions of each newspaper; or
 - (ii) news media accessible using the internet;that is widely read by **consumers** connected to that **GDB's network**, details of the changed **price**, including-
 - (iii) the changed **price** alongside the immediately preceding **price** applicable;
 - (iv) contact details where further details of the new or changed **price** can be found including the URL of the **GDB's** publicly accessible website.

2.4.20 Every **GDB** must, in respect of-

- (1) All new **prices** payable; or
- (2) In the case of withdrawn **prices**, the **prices** which would have been payable;

by 4 or fewer **consumers**, at least 20 working days before introducing a new **price**, give written notice to each **consumer** by whom that **price** is payable, the information specified in clause 2.4.18 [of this section](#) in respect of that **price**.

Annual disclosure of information on billed quantities and line charge revenues

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

2.4.22 If **prices** differ between **sub-networks**, a separate Schedule 8 must be completed for each **sub-network**.

2.5 NON-FINANCIAL INFORMATION RELATINGED TO NETWORK ASSETS

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

~~2.5.1~~ (1) ~~C~~complete each of the following reports by inserting all information relating to the **gas distribution services** supplied by the **GDB** for the **disclosure year(s)**, provided for in the following reports-

- (1) ~~(a)~~ ~~T~~the Asset Register set out in Schedule 9a;
- (2) ~~(b)~~ ~~T~~the Asset Age Profile set out in Schedule 9b;
- (3) ~~(c)~~ ~~T~~the Report on Pipeline Data set out in Schedule 9c;
- (4) ~~(d)~~ ~~T~~the Report on Demand set out in Schedule 9d;
- (5) ~~(e)~~ ~~T~~the Report on Network Reliability and Interruptions set out in Schedule 10a;
- (6) ~~(f)~~ ~~T~~the Report on Network Integrity and Consumer Service set out in Schedule 10b; and

(7) (2) **P**publicly disclose each of these reports.

2.5.2 If a **GDB** has **sub-networks**, within 6 months after the end of each disclosure year, **GDB** must—

~~2.5.2(1)~~ ~~it must~~ complete each of the following reports by inserting all information relating to the **gas distribution services** supplied by the **GDB** in relation to each **sub-network** for the **disclosure years** provided for in the following reports-

- (1)(a) ~~T~~the Asset Register set out in Schedule 9a;
- (2)(b) ~~T~~the Asset Age Profile set out in Schedule 9b;
- (3)(c) ~~T~~the Report on Pipeline Data set out in Schedule 9c;
- (4)(d) ~~T~~the Report on Demand set out in Schedule 9d;

Formatted: Indent: Left: 1.25 cm, Hanging: 1.25 cm, No bullets or numbering

Formatted: Font: Not Bold

Formatted: Font: Not Bold

Formatted: Font: Not Bold

Formatted: Font: Not Bold

Formatted: Indent: Left: 2.5 cm, No bullets or numbering

Formatted: Indent: Left: 2.5 cm, Hanging: 1.24 cm, No bullets or numbering

Formatted: Heading H5: Clause subtext L1

~~(5)~~(e) The Report on Network Reliability and Interruptions set out in Schedule 10a;

~~(6)~~(f) The Report on Network Integrity and Consumer Service set out in Schedule 10b; and

~~(7)~~(2) Publicly disclose each of these reports.

2.6 ASSET MANAGEMENT PLANS AND FORECAST INFORMATION

2.6.1 Subject to clauses 2.6.3 of this section and 2.13, before the start of each **disclosure year** commencing with the **disclosure year** 2014, every **GDB** must:

~~2.6.1~~ (1) Complete and publicly disclose an **AMP** that-

(1) (a) rRelates to the **gas distribution services** supplied by the **GDB**;

(b) mMeets the purposes of **AMP** disclosure set out in clause 2.6.2 ~~below~~;

(2) (c) hHas been prepared in accordance with Attachment A to this determination;

(3) (d) cContains the information set out in in the schedules described completed tables required in clause 2.6.52.6.5(2) below;

(e) cContains the Report on Asset Management Maturity as described in clause 3.5 set of ut in Schedule 13;

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

~~(4)~~ (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) above are that the **AMP**-

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

(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 fully understood by interested **persons** with a reasonable understanding of the management of infrastructure assets;

Formatted: Indent: Left: 1.25 cm, No bullets or numbering

Formatted: Indent: Left: 2.5 cm, No bullets or numbering

Formatted: Indent: Left: 2.5 cm, Hanging: 1.24 cm, No bullets or numbering

Formatted: Font: Bold

Formatted: Font: Bold

- (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 2.13, a GDB may elect to not comply with clause 2.6.1 in the current disclosure year if–

- (1) ~~The~~ start of the **disclosure year** described in clause 2.6.1 ~~above~~ is not either–
 - (a) between 6 (inclusive) and 18 months after the start of the **DPP regulatory period**; or
 - (b) between 18 (inclusive) and 30 months before the start of the next **DPP regulatory period**; and
- (2) ~~t~~The **GDB** has **publicly disclosed** an **AMP** under clause 2.6.1 ~~above~~ in respect of the prior **disclosure year**; ~~and, then the GDB may–~~
 - ~~(a) –~~ elect to not comply with clause 2.6.1 above in the current disclosure year; and
 - (3) completes and publicly discloses, before the start of the **disclosure year**, an **AMP update as described** under clause 2.6.4 ~~below~~.

Formatted: Heading H5: Clause subtext L1

2.6.4 For the purpose of subclause ~~2.6.3(3)~~~~2.6.3(2)(b)~~ above, the **AMP update** must–

- (1) Relate to the **gas distribution services** supplied by the **GDB**;
- (2) Identify any material changes to the **network** development plans disclosed in the last **AMP** under clause 12 of Attachment A or in the last **AMP update** disclosed under this clause 2.6.4;
- (3) Identify any material changes to the lifecycle asset management (maintenance and renewal) plans disclosed in the last **AMP** pursuant to clause 13 of Attachment A or in the last **AMP update** disclosed under this ~~section~~clause 2.6.4;
- (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 Report on Forecast Operational Expenditure set out in Schedule 11b; ~~and~~
- (5) Identify any changes to the asset management practices of the **GDB** that would affect a Schedule 13 Report on Asset Management Maturity disclosure; ~~and–~~
- ~~(5)~~(6) Contains the information set out in the schedules described in 2.6.5.

Formatted: Font: Bold

~~2.6.5~~ Every GDB must-

~~(1)~~ 2.6.5 Before the start of each **disclosure year**, each GDB must complete and publicly disclose each of the following reports by inserting all information relating to the **gas distribution services** supplied by the GDB for the **disclosure years** provided for in the following reports-

Formatted: Heading H4: Clause text

~~(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 Utilisation in Schedule 12b;

~~(e)~~(5) the Report on Forecast Demand in Schedule 12c.

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

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

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

2.7 EXPLANATORY NOTES TO DISCLOSED INFORMATION

2.7.1 Within 6 months ~~after~~^{of} the end of each **disclosure year**, every GDB must complete and **publicly disclose** the Schedule of Mandatory Explanatory Notes ~~set out in~~ (Schedule 14) by inserting all information relating to information disclosed in accordance with clauses 2.3.1, 2.4.21, 2.4.22, ~~subclauses 2.5.1(1)(e)2-5-1,~~ and ~~2.5.2(1)(e)2-5-2,~~ and clause ~~2.12.2.~~

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

Formatted: Heading H5: Clause subtext L1

(a) the GDB'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.

~~(1)~~(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-

~~(2)~~—nNature of the item reclassified;

~~(a)~~ _____

~~(3)~~—vValue of the item in the current **disclosure year** and in the previous **disclosure year**;

~~(b)~~ _____

~~(4)~~—cClassification of the item in the previous **disclosure year**;

~~(c)~~ _____

~~(5)~~—cClassification of the item in the current **disclosure year**; and

~~(d)~~ _____

~~(6)~~(e) rReason why the item has been reclassified.

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

2.7.3 Within 6 months ~~after~~ of the end of each **disclosure year**, every **GDB** may **publicly disclose** any further comments on the information disclosed in accordance with clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1 ~~and~~, 2.5.2 ~~and 2.6.5~~, in Schedule 15.

2.8 ASSURANCE REPORTS

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

Formatted: Heading H6: Clause subtext L2

- (a) is addressed to the **directors** of the **GDB** and to the **Commission** as the intended users of the assurance report;
- (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 **GDB** 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 **GDB's** accounting and other **records**, sourced from its financial and non-financial systems; and
 - (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 disclosed information** required by the Commerce Act ([ElectricityGas](#) -Distribution Services Information Disclosure) Determination 20125 have been kept by the **GDB** 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 **GDB** has complied, in all material respects, with the Gas Distribution Information Disclosure Determination 20125 in preparing the **audited disclosure information**; and

Formatted: Font: Bold

Formatted: Font: Bold

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

2.9 CERTIFICATES

2.9.1 Where a **GDB** is required to **publicly disclose** any information under clause 2.6.1, ~~and subclauses 2.6.3(3) 2.6.3(2)(b), clauses and 2.6.5 2.6.5(2) and 2.7.2, 2.7.3~~ and ~~subclause 2.13.1(1)(b) 2.12.8(1)(b)~~, the **GDB** 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 **GDB**.

2.9.2 Where a **GDB** is required to **publicly disclose** any information under clause 2.4.1, the **GDB** 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 **GDB**.

2.9.3 Where a **GDB** is required to **publicly disclose**, or disclose to the **Commission**, any information under any of clause 2.3.1, ~~and 2.3.2, clauses 2.4.21, and 2.4.22, clauses 2.5.1, and 2.5.2, and clauses 2.7.1 and 2.12, 2.7.3~~, the **GDB** 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 **GDB**.

~~2.9.4 Where a **GDB** is required to **publicly disclose** any information under clauses 2.12.1, 2.12.2, 2.12.3, and 2.12.5 the **GDB** 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 **GDB**.~~

2.10 RETENTION AND CONTINUING DISCLOSURES

2.10.1 A **GDB** that is required by this determination to **publicly disclose** any information must retain, and continuously **publicly disclose**, that information for at least 7 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 **GDB**-

- (1) Exempt the **GDB** 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 TRANSITIONAL PROVISIONS

~~2.12.1 Subject to clause 2.12.4 below, within 6 months after the end of the disclosure year 2013, the GDB 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 these disclosure years. In completing 5e(i) of Schedule 5e for the disclosure years 2010, 2011, and 2012 a GDB may choose to disclose all allocations under other network assets;~~
- ~~(3) Subject to subclause (6) complete the Report on Regulatory Profit in Schedule 3, for the disclosure year 2012;~~
- ~~(4) Complete the report on Related Party Transactions set out in Schedule 5b with respect to assets acquired from a related party; and~~
- ~~(5) Publicly disclose those reports;~~
- ~~(6) In complying with subclause (3) above and clause 2.12.5(1)(b): the cost of any service, good or asset acquired from or price of any service, good or asset supplied to a related party, must be determined 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;~~
- ~~(7) Provide explanatory comment in Schedule 14b in relation to transitional financial information disclosed under this clause.~~

~~2.12.2 Within 6 months after the end of the **disclosure year** 2013, the **GDB** must complete Schedule 8 for the **disclosure year** 2012.~~

~~2.12.3 Subject to clause 2.12.4, where a **GDB** has previously elected to undertake an adjustment in accordance with clause 2.2.1 of the **IM Determination**, within 6 months of the **disclosure year** 2013, the **GDB** 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.~~

~~2.12.4 Where a **GDB** 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 clause 2.12.1 must be consistent with that previous disclosure to the **Commission**.~~

~~2.12.5 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) the **GDB** is not required to disclose information relating to CY 2;~~

~~(b) the **GDB** must disclose information in part 2(i) of Schedule 2 relating to CY 1, for the **disclosure year** 2012;~~

~~(2) In completing the Report on the Value of the Regulatory Asset Base (Rolled Forward) set out in Schedule 4-~~

~~(a) the **GDB** is not required to provide information relating to CY 4, in part 4(i) of Schedule 4;~~

~~(b) the **GDB** 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, all allocations may be disclosed under **systems operation and 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, all allocations may be disclosed under **non-network assets**;~~

~~(5) In completing the Report on Capital Expenditure for the Disclosure Year set out in Schedule 6a, **GDBs** may choose to complete only part 6a(i);~~

- (6) — In completing the Comparison of Forecasts to Actual Expenditure set out in Schedule 7, **GDBs** may disclose aggregate forecast information for 'Expenditure on network assets' 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, **GDBs** may provide only closing values for the disclosure year 2013.

~~2.12.6 The information required under-~~

- (1) — Clauses 2.4.1 to 2.4.5;
- (2) — Clause 2.4.6;
- (3) — Clauses 2.4.9 and 2.4.10;
- (4) — Clauses 2.4.18 to 2.4.20;

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

~~2.12.7 Notwithstanding any requirements set out in clauses 2.6.1 and 2.6.5, Vector and GasNet Limited are not required to complete and **publicly disclose an AMP** until 3 months after the commencement of **disclosure year 2014**.~~

2.12.1 Subject to clause 2.13.1, where an **error** is identified in previous information disclosures under clauses 2.3.1, 2.3.2, 2.4.21, 2.4.22, 2.5.1, 2.5.2, 2.7.1, 2.7.2 and 2.7.3 a **GDB** must-

- (1) within 1 month of identifying the **error**, provide the **Commission** with-
- (a) a description of the **error**;
- (b) the disclosure and data point the **error** has an effect on; and
- (c) an explanation of the effect on each of the previous disclosures, including an indication of the materiality of that effect.

(2) after disclosing the **error** to the **Commission** in accordance with subclause (1), disclose alongside the original disclosure-

(a) a description of the **error**;

(b) the schedules and data points the **error** effects; and

(c) where a disclosure relating to the **error** -

(i) has been made in accordance with clause 2.12.2, reference to the disclosure made in accordance with 2.12.2; or

(ii) in all other instances, an indication of the effect on each of the disclosures.

2.12.2 For each material **error** identified in clause 2.12.1, every **GDB** must -

(1) include in the next Schedule 14 disclosed in accordance with clause 2.7.1-

(a) a description of the **error**;

(b) the previous and revised disclosures for each affected data point;

(c) the reason for the **error**; and

(2) certify and audit the disclosure in accordance with the certification and audit requirement of the original disclosure.

2.12.3 Subject to clause 2.13.1, where a material **error** is identified in previous information disclosures under clauses 2.4.1 and 2.6.1, subclauses 2.6.3(3) and clause 2.6.5 a **GDB** must-

(1) disclose a new version of the disclosure in accordance with the requirement;

(2) certify the revised disclosure in accordance with the requirement of the original disclosure;

(3) disclose on the front page of the disclosure made in accordance with subclause (1);

(a) that the disclosure is a revised disclosure;

(b) the date of the original disclosure and date of the revised disclosure;
and

(c) reference to the information required to be disclosed in accordance with subclause (4);

(4) include in the revised disclosure, near to where the effected information is disclosed, a description of the amendment that is sufficient for ~~an~~ interested persons to understand the effect of the amendment on the disclosure; and

(5) publicly disclose the revised disclosure.

2.12.4 Information, disclosed in accordance with any requirement of this determination, that refers to information previously disclosed must-

(1) where a disclosure has been made in accordance with clauses 2.12.2 or 2.12.3, be consistent with the information disclosed under clauses 2.12.2 or 2.12.3 ; or

(2) in all other instances, be consistent with the original disclosure.

2.13 TRANSITIONAL PROVISIONS

~~2.12.8~~2.13.1 Notwithstanding any requirements set out in clauses 2.6.1, 2.6.2, 2.6.3 and 2.6.4, the following transitional provision applies to GasNet Limited in respect of each **disclosure year** before and during the first **DPP regulatory period**-

(1) If GasNet Limited has not **publicly disclosed** an **AMP** under clauses 2.6.1 and 2.6.2 then GasNet Limited 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) 2.12.8(2) below;

(2) The **transitional AMP** must-

(a) relate to the **gas distribution services** supplied by the **GDB**;

(b) be identifiable as a **transitional AMP** prepared pursuant to clause 2.13.1 2.12.8(2) of this determination;

(c) include the minimum requirements set out in subclause (3) 2.12.8(3);

(d) include the forecast information set out in clause 2.6.5;

Formatted: Font: Bold

- (e) include the Report on Asset Management Maturity in Schedule 13;
 - (f) identify where the **GDB** considers the **AMP** does not yet conform to the requirements in clause 2.6.1, and set out the actions the **GDB** is taking to ensure the **AMP** will conform before the end of the first **DPP regulatory period**;
 - (g) identify any actions the **GDB** 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 **GDB** considers significant;
 - (b) details of the background and objectives of the **GDB**'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 subclause 3.7 of attachment A;
 - (f) a description of the accountabilities and responsibilities for asset management, as set out in subclause 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;
 - (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;

Formatted: Font: Bold

Formatted: Font: Bold

(m) details of risk policies, assessment and mitigation.



Sue Begg, *Deputy Chair*

Dated at Wellington this 1 day of October 2012.

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 **GDBs** 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 performance 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 **GDB'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;
 - 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;

Formatted: Font: Bold

Formatted: Font: Bold

- 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 **GDBs**; [and](#)
- 2.11 Promote continual improvements to asset management practices.

*Disclosing an **AMP** does not constrain a **GDB** from managing its assets in a way that differs from the **AMP** if its circumstances change after preparing the plan or if the **GDB** 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 **GDB** considers significant; [and](#)
 - 3.2 Details of the background and objectives of the **GDB's** asset management and planning processes; [and](#)
 - 3.3 A purpose statement which:
 - (a) makes clear the purpose and status of the **AMP** in the **GDB's** asset management practices. The purpose statement must also include a statement of the objectives of the asset management and planning processes; [and](#)
 - (b) states the corporate mission or vision as it relates to asset management; [and](#)
 - (c) identifies the documented plans produced as outputs of the annual business planning process adopted by the **GDB**; [and](#)
 - (d) states how the different documented plans relate to one another, with particular reference to any plans specifically dealing with asset management; [and](#)
 - (e) 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 **GDB's** vision and mission statements, and show a clear recognition of stakeholder interest.*

Formatted: Indent: Left: 3.75 cm

- 3.4 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 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 information 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:
- (a) how the **GDB** meets the requirements; and
 - (b) the impact on asset management.
- 3.7 A description of stakeholder interests (owners, **consumers**, etc) which identifies important stakeholders and indicates:
- (a) how the interests of stakeholders are identified;
 - (b) what these interests are;
 - (c) how these interests are accommodated in asset management practices; and
 - (d) how conflicting interests are managed.
- 3.8 A description of the accountabilities and responsibilities for asset management on at least 3 levels, including:
- (a) 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**;
 - (b) executive—an indication of how the in-house asset management and planning organisation is structured; and
 - (c) 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:
- (a) quantified where possible;
 - (b) clearly identified in a manner that makes their significance understandable to interested **persons**, including:
 - (c) A description of changes proposed where the information is not based on the **GDB's** existing business;
 - (d) the sources of uncertainty and the potential effect of the uncertainty on the prospective information; and
 - (e) 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 Report 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:*
- (a) how the asset management strategy is consistent with the **GDB's** other strategy and policies;
 - (b) how the asset strategy takes into account the life cycle of the assets;
 - (c) the link between the asset management strategy and the **AMP**; and
 - (d) 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:*
- (a) the processes used to identify asset management data requirements that cover the whole of life cycle of the assets;
 - (b) the systems used to manage asset data and where the data is used, including an overview of the systems to record asset

Formatted: Font: Not Bold

Formatted: Font: Bold

Formatted: Font: Bold

conditions and operation capacity and to monitor the performance of assets;

- (c) the systems and controls to ensure the quality and accuracy of asset management information; and
- (d) the extent to which the 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 GDB for:

- (a) managing routine asset inspections and **network** maintenance;
- (b) planning and implementing **network** development projects; and
- (c) 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:

- (a) *identify the documentation that describes the key components of the asset management system and the links between the key components;*
- (b) *describe the processes developed around documentation, control and review of key components of the asset management system;*
- (c) *where the GDB outsources components of the asset management system, the processes and controls that the GDB uses to ensure efficient and cost effective delivery of its asset management strategy;*
- (d) *where the GDB outsources components of the asset management system, the systems it uses to retain core asset knowledge in-house; and*

Formatted: Font: Bold

- (e) *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:

Formatted: Font: Bold

- (a) *communicate asset management strategies, objectives, policies and plans to stakeholders involved in the delivery of the asset management requirements, including contractors and consultants; and*
- (b) *demonstrate staff engagement in the efficient and cost effective delivery of the asset management requirements.*

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

Formatted: Font: Not Bold

3.18 The AMP must be structured and presented in a way that the GDB considers will support the purposes of AMP disclosure set out in clause 2.6.2 of the determination.

Assets covered

4. The AMP must provide details of the assets covered, including:

4.1 A map and high-level description of the areas covered by the GDB, including the region(s) covered; and

4.2 A description of the network configuration, including:

Formatted: Font: Bold

if sub-networks exist, the network configuration information should be disclosed for each sub-network.

Formatted: Font: Bold

Formatted: Font: Bold

Formatted: Font: Bold

(a) A map or maps, with any cross-referenced information contained in an accompanying schedule, showing the physical location of:

(i) All main pipes, distinguished by operating pressure;

(ii) All JCPs that have a significant impact on network operations or asset management priorities, and a description of that impact;

Formatted: Font: Bold

Formatted: Font: Bold

(iii) All gate stations;

Formatted: Font: Bold

(iv) All pressure regulation stations; and

Formatted: Font: Bold

- (b) if applicable, the locations where a significant change has occurred since the previous disclosure of the information referred to in subclause 4.2(a) ~~above~~, including-
 - (i) a description of the parts of the **network** that are affected by the change; ~~and~~
 - (ii) a description of the nature of the change.

Formatted: Font: Bold

Network assets by category

- 5. The **AMP** must describe the **network** assets by providing the following information for each asset category:
 - 5.1 pressure;
 - 5.2 description and quantity of assets;
 - 5.3 age profiles; ~~and~~
 - 5.4 a discussion of the results of formal risk assessments of the assets, further broken down by subcategory as appropriate. Systemic issues leading to the premature replacement of assets or parts of assets should be discussed.
- 6. The asset categories discussed in clause 5 ~~above~~ should include at least the following:
 - 6.1 **main pipe**;
 - 6.2 **service pipe**;
 - 6.3 **stations**;
 - 6.4 line valve;
 - 6.5 **special crossings**;
 - 6.6 monitoring and control systems;
 - 6.7 cathodic protection systems; ~~and~~
 - 6.8 assets owned by the **GDB** but installed at gate **stations** owned by others.

Formatted: Font: Bold

Service Levels

- 7. 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**.

8. Performance indicators for which targets are defined in clause 7 ~~above~~ must include—
 - 8.1 the DPP requirements required under the price quality path determination applying to the regulatory assessment period in which the next **disclosure year** falls;
 - 8.2 **consumer** oriented indicators that preferably differentiate between different **consumer types**;
 - 8.3 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; **and**
 - 8.4 the performance indicators disclosed in Schedule 10b of the determination.
9. 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.
10. Targets should be compared to historic values where available to provide context and scale to the reader.
11. Where forecast expenditure is expected to materially affect performance against a target defined in clause 7 ~~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**.*

Network Development Planning

12. **AMPs** must provide a detailed description of **network** development plans, including—
 - 12.1 A description of the planning criteria and assumptions for **network** development;
 - 12.2 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; **and**

Formatted: Font: Not Bold

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

- (a) the categories of assets and designs that are standardised; [and](#)
- (b) the approach used to identify standard designs.

12.4 A description of the criteria used to determine the capacity of equipment for different types of assets or different parts of the **network**.

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

12.5 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.

12.6 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:

- (a) explain the load forecasting methodology and indicate all the factors used in preparing the load estimates;
- (b) provide separate forecasts to at least **system** level covering at least a minimum five 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](#)
- (c) identify any **network** or equipment constraints that may arise due to the anticipated growth in demand during the **AMP planning period**.

*The **AMP** should include a description of the methodology and assumptions used to produce the utilisation and capacity forecasts and a discussion of the limitations of the forecasts, methodology and assumptions. The **AMP** should also discuss any capacity limitations identified or resolved in years during which an **AMP** was not disclosed.*

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

- (a) the reasons for choosing a selected option for projects where decisions have been made;

- (b) alternative options considered for projects that are planned to start in the next five years; [and](#)
- (c) consideration of planned innovations that improve efficiencies within the **network**, such as improved utilisation, extended asset lives, and deferred investment.

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

- (a) 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;
- (b) a summary description of the programmes and projects planned for the following four years (where known); and
- (c) 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 five years, alternative options should be discussed.*

Lifecycle Asset Management Planning (Maintenance and Renewal)

13. The **AMP** must provide a detailed description of the lifecycle asset management processes, including—

13.1 The key drivers for maintenance planning and assumptions;

13.2 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:-

- (a) 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;
- (b) any systemic problems identified with any particular asset types and the proposed actions to address these problems; and
- (c) budgets for maintenance activities broken down by asset category for the **AMP planning period**:-

- 13.3 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—
- (a) 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, and consideration of future demands on the **network** and the optimum use of existing **network** assets;
 - (b) a description of innovations that have deferred asset replacements;
 - (c) a description of the projects currently underway or planned for the next 12 months;
 - (d) a summary of the projects planned for the following four years (where known); and
 - (e) an overview of other work being considered for the remainder of the **AMP planning period**; and—
- 13.4 The asset categories discussed in subclauses 13.2 and 13.3 **above** should include at least the categories in **subclause 6-above**.

Formatted: Font: Bold

Formatted: Font: Bold

Non-Network Development, Maintenance and Renewal

14. **AMPs** must provide a summary description of material non-network development, maintenance and renewal plans, including—
- 14.1 **Aa** description of **non-network assets**;
 - 14.2 **Dd** development, maintenance and renewal policies that cover them;
 - 14.3 **Aa** description of material **capital expenditure** projects (where known) planned for the next five years; **and**
 - 14.4 **Aa** description of material maintenance and renewal projects planned (where known) for the next five years.

Formatted: Font: Bold

Formatted: Font: Bold

Risk Management

15. **AMPs** must provide details of risk policies, assessment, and mitigation, including—
- 15.1 Methods, details and conclusions of risk analysis;
 - 15.2 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;

15.3 A description of the policies to mitigate or manage the risks of events identified in subclause 15.2 ~~above~~; and

15.4 Details of emergency response and contingency plans.

*Asset risk management forms a component of a **GDB's** overall risk management plan or policy, focusing on the risks to assets and maintaining service levels. **AMPs** should demonstrate how the **GDB** 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.*

Formatted: Font: Bold

Evaluation of performance

16. **AMPs** must provide details of performance measurement, evaluation, and improvement, including—

16.1 A review of progress against plan, both physical and financial;

- (a) referring to the most recent disclosures made under subclause 2.5.1 of the determination, discussing any significant differences and highlighting reasons for substantial variances;
- (b) 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
- (c) commenting on progress against maintenance initiatives and programmes and discuss the effectiveness of these programmes noted.

16.2 An evaluation and comparison of actual service level performance against targeted performance—

- (a) in particular, comparing the actual and target service level performance for all the targets discussed in the previous **AMP** under clause 7 ~~above~~ and explain any significant variances.

16.3 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 **GDB's** asset management and planning processes.

16.4 An analysis of gaps identified in subclauses 16.2 and 16.3 ~~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

17. **AMPs** must describe the processes used by the **GDB** to ensure that⁵

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

17.2 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 type="text"/>	
		For Year Ended <input type="text"/>	
SCHEDULE 1: ANALYTICAL RATIOS			
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.			
sch ref			
7	1(i): Expenditure Metrics		
8		Expenditure per TJ energy delivered to ICPs (\$/TJ)	Ratio of expenditure to maximum monthly load (\$ per GJ/month)
9	Operational expenditure	Expenditure per average no. of ICPs (\$/ICP)	Expenditure per km of pipeline for supply (\$/km)
10	Network		
11	Non-network		
12			
13	Expenditure on assets		
14	Network		
15	Non-network		
16			
17			
18	1(ii): Revenue Metrics		
19		Revenue per TJ energy delivered to ICPs (\$/TJ)	Revenue per average no. of ICPs (\$/ICP)
20	Total line charge revenue		
21	Standard consumer line charge revenue		
22	Non-standard consumer line charge revenue		
23			
24	1(iii): Service Intensity Measures		
25			
26	Demand density		Maximum monthly load (GJ per month) per system length
27	Volume density		Quantity of gas delivered per km of system length (TJ/km)
28	Connection point density		Average number of ICPs in disclosure year per system length
29	Energy intensity		Total GJ delivered to ICPs per average number of ICPs in disclosure year
30			
31	1(iv): Composition of Revenue Requirement		
32		(\$000)	% of revenue
33	Operational expenditure		
34	Pass through and recoverable costs recognised in information disclosure		
35	Total depreciation		
36	Total revaluations		
37	Regulatory tax allowance		
38	Regulatory profit/loss		
39	Total regulatory income		
40			
41	1(v): Reliability		
42	Interruption rate		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 GDB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. GDBs 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 GDB makes this election, information supporting this calculation must be provided in 2(iii). GDBs 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	Post tax WACC	%	%	%
10	ROI – comparable to a post tax WACC	<input type="text"/>	<input type="text"/>	<input type="text"/>
11				
12	Mid-point estimate of post tax WACC	<input type="text"/>	<input type="text"/>	<input type="text"/>
13	25th percentile estimate	<input type="text"/>	<input type="text"/>	<input type="text"/>
14	75th percentile estimate	<input type="text"/>	<input type="text"/>	<input type="text"/>
15				
16				
17	Vanilla WACC			
18	ROI – comparable to a vanilla WACC	<input type="text"/>	<input type="text"/>	<input type="text"/>
19				
20	Mid-point estimate of vanilla WACC	<input type="text"/>	<input type="text"/>	<input type="text"/>
21	25th percentile estimate	<input type="text"/>	<input type="text"/>	<input type="text"/>
22	75th percentile estimate	<input type="text"/>	<input type="text"/>	<input type="text"/>
23				
24	2(ii): Information Supporting the ROI	(\$000)		
25				
26	Total opening RAB value	<input type="text"/>	<input type="text"/>	<input type="text"/>
27	plus Opening deferred tax	<input type="text"/>	<input type="text"/>	<input type="text"/>
28	Opening RIV	<input type="text"/>	<input type="text"/>	<input type="text"/>
29				
30	Line charge revenue		<input type="text"/>	
31				
32	Expenses cash outflow	<input type="text"/>	<input type="text"/>	<input type="text"/>
33	add Assets commissioned	<input type="text"/>	<input type="text"/>	<input type="text"/>
34	less Asset disposals	<input type="text"/>	<input type="text"/>	<input type="text"/>
35	add Tax payments	<input type="text"/>	<input type="text"/>	<input type="text"/>
36	less Other regulated income	<input type="text"/>	<input type="text"/>	<input type="text"/>
37	Mid-year net cash flows	<input type="text"/>	<input type="text"/>	<input type="text"/>
38				
39	Term credit spread differential allowance		<input type="text"/>	
40				
41	Total closing RAB value	<input type="text"/>	<input type="text"/>	<input type="text"/>
42	less Adjustment resulting from asset allocation	<input type="text"/>	<input type="text"/>	<input type="text"/>
43	less Lost and found assets adjustment	<input type="text"/>	<input type="text"/>	<input type="text"/>
44	plus Closing deferred tax	<input type="text"/>	<input type="text"/>	<input type="text"/>
45	Closing RIV	<input type="text"/>	<input type="text"/>	<input type="text"/>
46				
47	ROI – comparable to a vanilla WACC			<input type="text"/>
48				
49	Leverage (%)			<input type="text"/>
50	Cost of debt assumption (%)			<input type="text"/>
51	Corporate tax rate (%)			<input type="text"/>
52				
53	ROI – comparable to a post tax WACC			<input type="text"/>
54				

Company Name
 For Year Ended

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT (cont)

sch ref **2(iii): Information Supporting the Monthly ROI**

		Line charge revenue	Expenses cash outflow	(\$000) Assets commissioned Asset disposals		Other regulated income	Monthly net cash outflows	
55	Opening RIV						N/A	
56								
57								
58								
59								
60								
61	Month 1							
62	Month 2							
63	Month 3							
64	Month 4							
65	Month 5							
66	Month 6							
67	Month 7							
68	Month 8							
69	Month 9							
70	Month 10							
71	Month 11							
72	Month 12							
73	Total							
74								
75	Tax Payments						N/A	
76								
77	Term credit spread differential						N/A	
78								
79	Closing RIV						N/A	
80								
81								
82	Monthly ROI – comparable to a vanilla WACC						N/A	
83								
84	Monthly ROI – comparable to a post tax WACC						N/A	
85								
86	2(iv): Year-End ROI Rates for Comparison Purposes							
87								
88	Year-end ROI – comparable to a vanilla WACC							
89								
90	Year-end ROI – comparable to a post tax WACC							
91								
92	<i>* these year-end ROI values are comparable to the ROI reported in pre 2012 disclosures by GDBs and do not represent the Commission's current view on ROI.</i>							
93								
94	2(v): Estimated Impact of Financial Incentives on ROI							
95								
96	Net recoverable costs allowed under incremental rolling incentive scheme							
97	Financial incentives							
98								
99	ROI – comparable to a vanilla WACC (excluding financial incentives)							
100								
101	Estimated impact of financial incentives on ROI							

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 GDB for the disclosure year. GDBs 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.			
sch ref			(5000)
7	3(i): Regulatory Profit		
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 recognised in information disclosure		-
18			
19	Operating surplus / (deficit)		-
20			
21	less Total depreciation		-
22			
23	plus Total revaluation		-
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)		-
32			
33	3(ii): Pass through and Recoverable Costs recognised in Information Disclosure		(5000)
34			
35	Pass through costs		
36	Rates		-
37	Commerce Act levies		-
38	Industry Levies		-
39	CPP specified pass through costs		-
40	Pass through and recoverable costs recognised in information disclosure		-
41			

SCHEDULE 3: REPORT ON REGULATORY PROFIT (cont)		Company Name For Year Ended	
42	3 (iii): Incremental Rolling Incentive Scheme		
43	Allowed controlable opex		
44	Actual controlable opex		
45	Incremental change in year		
46			
47			
48			
49			
50			
51			
52			
53			
54			
55			
56			
57			
58			
59			
60	3 (iv): Merger and Acquisition Expenditure		
61	Merger and acquisition expenditure		
62			
63			
64			
65	3 (v): Other Disclosures		
66	Self-insurance allowance		

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

		Company Name For Year Ended			
7					
8					
9					
10					
11					
12					
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25					
26					
27					
28					
29					
30					
31					
32					
33					
34					
35					
36					
37					
38					
39					
40					
41					
42					
43					
44					
45					
46					
47					
48					
49					

SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)
 This schedule requires information on the calculation of the Regulatory Asset Base (RAB) values to the end of this disclosure year. This informs the RDI calculation in Schedule 2. GDBs must provide explanatory comment on the value of their RAB 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 required by section 2.8.

4(i): Regulatory Asset Base Value (Rolled Forward)

	RAB CY-4 (\$000)	RAB CY-4 (\$000)	RAB CY-4 (\$000)	RAB CY-4 (\$000)
Total opening RAB value				
less Total depreciation				
plus Total revaluations				
plus Assets commissioned				
less Asset disposals				
plus Lost and found assets adjustment				
plus Adjustment resulting from asset allocation				
Total closing RAB value				

4(ii): Unallocated Regulatory Asset Base

	Unallocated RAB* (\$000)	RAB CY-4 (\$000)	RAB CY-4 (\$000)
Total opening RAB value			
less Total depreciation			
plus Total revaluations			
plus Assets commissioned (other than below)			
Assets acquired from a regulated supplier			
Assets acquired from a related party			
less Assets commissioned			
less Asset disposals (other than below)			
Asset disposals to a regulated supplier			
Asset disposals to a related party			
plus Lost and found assets adjustment			
plus Adjustment resulting from asset allocation			
Total closing RAB value			

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

SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD) (cont)		Company Name For Year Ended
57	4(i): Calculation of Revaluation Rate and Revaluation of Assets	
58	CPA	
59	CPA	
60	Revaluation rate (%)	
61		
62		
63		
64	Total opening RAB value	
65	Less: Opening value of fully depreciated disposed and lost assets	
66		
67	Total opening RAB value subject to revaluation	
68		
69	Total revaluation	
70		
71	4(ii): Roll Forward of Works Under Construction	
72	Works under construction—opening disclosure year	
73	Plus: Capital expenditure	
74	Assets committed	
75	Adjustment resulting from asset location	
76	Less: Works under construction—reported disclosure year	
77		
78	Works under construction—reported disclosure year	
79	Highest rate of capitalised finance applied	
80		
81	4(iii): Regulatory Depreciation	
82	Depreciation—standard	
83	Depreciation—no standard (if the assets)	
84	Depreciation—modified life assets	
85	Depreciation—alternatives reported in accordance with CPA	
86	Total depreciation	
87		
88		
89		
90		
91		
92		
93		
94		
95		
96		
97	4(iv): Disclosure of Changes to Depreciation Profiles	
98	Assets for assets with change to depreciation	
99		
100		
101		
102		
103		
104		
105		
106		
107	Includes additional row 7(reval)	
108	4(v): Disclosure by Asset Category	
109	Total opening RAB value	
110	Plus: Total roll forward	
111	Plus: Assets committed	
112	Plus: Assets reported	
113	Plus: Adjustments—asset location	
114	Plus: Adjustments—asset location	
115	Plus: Asset category transfers	
116	Total closing RAB value	
117		
118	Asset life	
119	Weighted average remaining asset life	
120	Weighted average expected total asset life	
121		

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			
<p>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). GDBs 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.</p>			
<i>sch ref</i>			
7	5a(i): Regulatory Tax Allowance		(\$000)
8	Regulatory profit / (loss) before tax		<input type="text"/>
9			
10	<i>plus</i> Income not included in regulatory profit / (loss) before tax but taxable	<input type="text"/>	*
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	<input type="text"/>	*
12	Amortisation of initial differences in asset values	<input type="text"/>	-
13	Amortisation of revaluations	<input type="text"/>	-
14			<input type="text"/>
15			
16	<i>less</i> Total revaluations	<input type="text"/>	*
17	Other 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	Notional deductible interest	<input type="text"/>	-
20			<input type="text"/>
21			
22	Regulatory taxable income		<input type="text"/>
23			
24	<i>less</i> Utilised tax losses	<input type="text"/>	-
25	Regulatory net taxable income	<input type="text"/>	-
26			
27	Corporate tax rate (%)	<input type="text"/>	
28	Regulatory tax allowance		<input type="text"/>
29			
30	* Workings to be provided in Schedule 14		
31			
32	5a(ii): Disclosure of Permanent Differences		
33	In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).		
34	5a(iii): Amortisation of Initial Difference in Asset Values		(\$000)
35			
36	Opening unamortised initial differences in asset values	<input type="text"/>	
37	Amortisation of initial differences in asset values	<input type="text"/>	-
38	Adjustment for unamortised initial differences in assets acquired	<input type="text"/>	
39	Adjustment for unamortised initial differences in assets disposed	<input type="text"/>	
40	Closing unamortised initial differences in asset values	<input type="text"/>	-
41			
42	Opening weighted average remaining useful life of relevant assets (years)	<input type="text"/>	
43	5a(iv): Amortisation of Revaluations		(\$000)
44			
45	Opening Sum of RAB values without revaluations	<input type="text"/>	
46			
47	Adjusted depreciation	<input type="text"/>	
48	Total depreciation	<input type="text"/>	-
49	Amortisation of revaluations	<input type="text"/>	-

		Company Name	
		For Year Ended	
SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE (cont)			
57	5a(v): Reconciliation of Tax Losses		(\$000)
58			
59	Opening tax losses		
60	plus Current period tax losses		
61	less Utilised tax losses		
62	Closing tax losses		
63	5a(vi): Calculation of Deferred Tax Balance		(\$000)
64			
65	Opening deferred tax		
66			
67	plus Tax effect of adjusted depreciation		
68			
69	less Tax effect of tax depreciation		
70			
71	plus Tax effect of other temporary differences*		
72			
73	less Tax effect of amortisation of initial differences in asset values		
74			
75	plus Deferred tax balance relating to assets acquired in the disclosure year		
76			
77	less Deferred tax balance relating to assets disposed in the disclosure year		
78			
79	plus Deferred tax cost allocation adjustment		
80			
81	Closing deferred tax		
82			
83	5a(vii): Disclosure of Temporary Differences		
84	In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).		
85			
86	5a(viii): Regulatory Tax Asset Base Roll-Forward		(\$000)
87			
88	Opening sum of regulatory tax asset values		
89	less Tax depreciation		
90	plus Regulatory tax asset value of assets commissioned		
91	less Regulatory tax asset value of asset disposals		
92	plus Lost and found assets adjustment		
93	plus Adjustments resulting from asset allocation		
94	plus Other adjustments to the RAB tax value		
95	Closing sum of regulatory tax asset values		

Schedule 5b: Report on Related Party Transactions

	Company Name For Year Ended				
<p>SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS This schedule provides information on the valuation of related party transactions, in accordance with section 2.3.6 and 2.3.7 of the ID 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>					
7	5b(i): Summary—Related Party Transactions				
8	Total regulatory income				
9	Operational expenditure				
10	Capital expenditure				
11	Market value of asset disposals				
12	Other related party transactions				
13	5b(ii): Entities Involved in Related Party Transactions				
14	Name of related party	Related party relationship			
15					
16					
17					
18					
19					
20					
21	5b(iii): Related Party Transactions				
22	Name of related party	Related party transaction type	Description of transaction	Value of transaction (\$500)	Basis for determining value
23		Select one			
24		Select one			
25		Select one			
26		Select one			
27		Select one			
28		Select one			
29		Select one			
30		Select one			
31		Select one			
32		Select one			
33		Select one			
34		Select one			
35		Select one			
36		Select one			
37		Select one			

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.

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

Issuing party	Maturity 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 financing an interest rate swap	Debt issue cost reimbursement

Exclude additional rows if needed

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

Gross term credit spread differential	<input style="width: 80px;" type="text"/>
Total book value of interest-bearing debt	<input style="width: 80px;" type="text"/>
Leverage	<input style="width: 80px;" type="text"/>
Average opening and closing IBD values	<input style="width: 80px;" type="text"/>
Attribution rate (%)	<input style="width: 80px;" type="text"/>
Term credit spread differential allowance	<input style="width: 80px;" type="text"/>

Schedule 5d: Report on Cost Allocations

Company Name For Year Ended					
sch ref	Description	Arm's length deduction	Gas distribution services	Non-gas distribution services	OVI/BAI allocation increase (\$'000s)
SCHEDULE 5d: REPORT ON COST ALLOCATIONS					
This schedule provides information on the allocation of operational costs. CDBs 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					
10	Service interruptions, incidents and emergencies				
11	Directly attributable				
12	Not directly attributable				
13	Total attributable to regulated service				
14					
15	Routine and corrective maintenance and inspection				
16	Directly attributable				
17	Not directly attributable				
18	Total attributable to regulated service				
19					
20	Asset replacement and renewal				
21	Directly attributable				
22	Not directly attributable				
23	Total attributable to regulated service				
24					
25	System operations and network support				
26	Directly attributable				
27	Not directly attributable				
28	Total attributable to regulated service				
29					
30	Business support				
31	Directly attributable				
32	Not directly attributable				
33	Total attributable to regulated service				
	Operating costs directly attributable				
	Operating costs not directly attributable				
	Operational expenditure				

SCHEDULE 5d: REPORT ON COST ALLOCATIONS (cont)		Company Name For Year Ended	
41	5d(ii): Other Cost Allocations		
42	Pass through and recoverable costs		
43	Pass through costs		
44	Directly attributable		
45	Not directly attributable		
46	Total attributable to regulated service		
47	Recoverable costs		
48	Directly attributable		
49	Not directly attributable		
50	Total attributable to regulated service		(6000)
51			
52	5d(iii): Changes in Cost Allocations* †		
53	Change in cost allocation 1		
54	Cost category		
55	Original allocator or line items		
56	New allocator or line items		
57	Rationale for change		
58			
59			
60			
61	Change in cost allocation 2		
62	Cost category		
63	Original allocator or line items		
64	New allocator or line items		
65	Rationale for change		
66			
67			
68			
69	Change in cost allocation 3		
70	Cost category		
71	Original allocator or line items		
72	New allocator or line items		
73	Rationale for change		
74			
75			
76			

* a change in cost allocation must be completed for each cost allocator 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

Company Name For Year Ended	
<p>SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS This schedule requires information on the allocation of asset values. This information supports the calculation of the RAB value in Schedule 4. GDBs 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>	
ref	Value allocated (\$000s) Gas distribution services
7	
8	
9	
10	
11	
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
27	
28	
29	
30	
31	
32	
33	
34	
35	
36	
37	
38	
39	
40	
41	
42	

Company Name
For Year Ended

(000) Current Year (CY)

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS (cont)

5e (1): Changes in Asset Allocations* †

Line Item	Asset Category	Original allocator or line items	New allocator or line items	Rationale for change	Original allocation	New allocation	Difference
50	Change in asset value allocation 1						
51	Asset category						
52	Original allocator or line items						
53	New allocator or line items						
54	Rationale for change						
55	Change in asset value allocation 2						
56	Asset category						
57	Original allocator or line items						
58	New allocator or line items						
59	Rationale for change						
60	Change in asset value allocation 3						
61	Asset category						
62	Original allocator or line items						
63	New allocator or line items						
64	Rationale for change						
65	Change in asset value allocation 4						
66	Asset category						
67	Original allocator or line items						
68	New allocator or line items						
69	Rationale for change						
70	Change in asset value allocation 5						
71	Asset category						
72	Original allocator or line items						
73	New allocator or line items						
74	Rationale for change						

* If 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, such as change in allocator or component.
 † Exclude additional rows if needed.

Schedule 5f: Report Supporting Cost Allocations

Company Name For Year Ending											
Line Item	Allocation method/usage	Allocation	Absorber	Allocation Metric EQ		Value Allocated (\$000)		DVA/BA Allocation Increase (\$000)			
				Gas distribution services	Network distribution services	Gas distribution services	Network distribution services				
SCHEDULE 5f: REPORT SUPPORTING COST ALLOCATIONS											
This schedule provides additional details on the cost allocation methodology reported in Schedule 5d (Gas Allocation). This schedule is not required to be publicly disclosed, but may be disclosed to the Commission.											
This information is part of audited disclosure information as defined in section 34 of the B determination, and is subject to the assurance report required by section 2.8.											
7											
8		None used									
9											
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											
29											

SCHEDULE 5H: REPORT SUPPORTING COST ALLOCATIONS (cont)		Company Name For Year Ended			
37	System operations and network support				
38	Insert cost description	eg. ABA	Allocater 1	Selectable	
39	Insert cost description	eg. ABA	Allocater 2	Selectable	
40	Insert cost description	eg. ABA	Allocater 3	Selectable	
41	Insert cost description	eg. ABA	Allocater 4	Selectable	
42	Not directly attributable				
43	Business support				
44	Insert cost description	eg. ABA	Allocater 1	Selectable	
45	Insert cost description	eg. ABA	Allocater 2	Selectable	
46	Insert cost description	eg. ABA	Allocater 3	Selectable	
47	Insert cost description	eg. ABA	Allocater 4	Selectable	
48	Not directly attributable				
49	Operating cost not directly attributable				
50					
51	Pass through and recoverable costs				
52	Pass through costs				
53	Insert cost description	eg. ABA	Allocater 1	Selectable	
54	Insert cost description	eg. ABA	Allocater 2	Selectable	
55	Insert cost description	eg. ABA	Allocater 3	Selectable	
56	Insert cost description	eg. ABA	Allocater 4	Selectable	
57	Not directly attributable				
58	Recoverable costs				
59	Insert cost description	eg. ABA	Allocater 1	Selectable	
60	Insert cost description	eg. ABA	Allocater 2	Selectable	
61	Insert cost description	eg. ABA	Allocater 3	Selectable	
62	Insert cost description	eg. ABA	Allocater 4	Selectable	
63	Not directly attributable				
	* include additional rows if needed				

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 methodologies applied in allocating asset value that are not required by the (Bundled) Report on Assets to be publicly disclosed, but must be disclosed to the Commission. This information is part of audited disclosure information (as defined in section 14 of the Determination), and is subject to the assurance report required by section 2.3.

SP#	Line Item*	Allocation methodology	Asset type	Allocation Matrix (B)\$				Value allocated (\$,000)	DVA/MA allocation increase (\$,000)
				Gas distribution assets	New gas distribution assets	Arm's length distribution	Gas distribution assets	New gas distribution assets	Total
7	*None asset, been allocated in aggregate using KAM in accordance with clause 2.1.13) of the IM Determination?								
8									
9									
10									
11									
12	Main pipe								
13	100% of asset value	Allocation 1	Allocation 1						
14	100% of asset value	Allocation 2	Allocation 2						
15	100% of asset value	Allocation 3	Allocation 3						
16	100% of asset value	Allocation 4	Allocation 4						
17	100% of asset value	Allocation 5	Allocation 5						
18	Service pipe								
19	100% of asset value	Allocation 1	Allocation 1						
20	100% of asset value	Allocation 2	Allocation 2						
21	100% of asset value	Allocation 3	Allocation 3						
22	100% of asset value	Allocation 4	Allocation 4						
23	100% of asset value	Allocation 5	Allocation 5						
24	Stations								
25	100% of asset value	Allocation 1	Allocation 1						
26	100% of asset value	Allocation 2	Allocation 2						
27	100% of asset value	Allocation 3	Allocation 3						
28	100% of asset value	Allocation 4	Allocation 4						
29	100% of asset value	Allocation 5	Allocation 5						
30	Line valve								
31	100% of asset value	Allocation 1	Allocation 1						
32	100% of asset value	Allocation 2	Allocation 2						
33	100% of asset value	Allocation 3	Allocation 3						
34	100% of asset value	Allocation 4	Allocation 4						
35	100% of asset value	Allocation 5	Allocation 5						
36	Special crossings								
37	100% of asset value	Allocation 1	Allocation 1						
38	100% of asset value	Allocation 2	Allocation 2						
39	100% of asset value	Allocation 3	Allocation 3						
40	100% of asset value	Allocation 4	Allocation 4						
41	100% of asset value	Allocation 5	Allocation 5						
42	Other network assets								
43	100% of asset value	Allocation 1	Allocation 1						
44	100% of asset value	Allocation 2	Allocation 2						
45	100% of asset value	Allocation 3	Allocation 3						
46	100% of asset value	Allocation 4	Allocation 4						
47	100% of asset value	Allocation 5	Allocation 5						
48	Non-network assets								
49	100% of asset value	Allocation 1	Allocation 1						
50	100% of asset value	Allocation 2	Allocation 2						
51	100% of asset value	Allocation 3	Allocation 3						
52	100% of asset value	Allocation 4	Allocation 4						
53	100% of asset value	Allocation 5	Allocation 5						
54	100% of asset value	Allocation 6	Allocation 6						
55	100% of asset value	Allocation 7	Allocation 7						

* Replaced or not used when not directly attributable
 † include and follow to be / correct

| ~~Schedule 5h: Report on Transitional Financial Information~~

Schedule 6a: Report on Capital Expenditure for the Disclosure Year

Company Name For Year Ended	
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. GDBs 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.	
sch ref	
7	6a(i): Expenditure on Assets
8	Consumer connection
9	System growth
10	Asset replacement and renewal
11	Asset relocations
12	Reliability, safety and environment:
13	Quality of supply
14	Legislative and regulatory
15	Other reliability, safety and environment
16	Total reliability, safety and environment
17	Expenditure on network assets
18	Expenditure on non-network assets
19	
20	Expenditure on assets
21	Cost of financing
22	less Value of capital contributions
23	plus Value of vested assets
24	
25	Capital expenditure
26	
27	6a(ii): Subcomponents of Expenditure on Assets (where known)
28	Research and development
29	
30	6a(iii): Consumer Connection
31	<i>Consumer types defined by GDB*</i>
32	[GDB consumer type]
33	[GDB consumer type]
34	[GDB consumer type]
35	[GDB consumer type]
36	Consumer connection expenditure
37	less Capital contributions funding consumer connection relocations
38	Consumer connection less capital contributions
39	

		Company Name For Year Ended	
		Special Growth (\$000)	Asset Replacement and Renewal (\$000)
47	6a(v): System Growth and Asset Replacement and Renewal		
48	Intermediate pressure		
49	Main pipe		
50	Service pipe		
51	Start pipe		
52	Line valve		
53	Special crossings		
54	Intermediate pressure - total		
55	Medium pressure		
56	Main pipe		
57	Service pipe		
58	Start pipe		
59	Line valve		
60	Special crossings		
61	Medium pressure - total		
62	Low pressure		
63	Main pipe		
64	Service pipe		
65	Start pipe		
66	Line valve		
67	Special crossings		
68	Low pressure - total		
69	Other network assets		
70	Monitoring and control systems		
71	Other network assets - total		
72	System growth and asset replacement and renewal expenditure		
73	Less: System growth and asset replacement and renewal less capital contributions		
74	System growth and asset replacement and renewal less capital contributions		
75			
76			
77			
78			
79	6a(v): Asset Relocations		
80	Project or programme*		
81	Description of material project or programme		
82	Description of material project or programme		
83	Description of material project or programme		
84	Description of material project or programme		
85	Description of material project or programme		
86	Description of material project or programme		
87	All other projects or programmes - asset relocations		
88	Asset relocations expenditure		
89	Less: Capital contributions, funding asset relocations		
90	Asset relocations less capital contributions		
91	6a(v): Quality of Supply		
92	Project or programme*		
93	Description of material project or programme		
94	Description of material project or programme		
95	Description of material project or programme		
96	Description of material project or programme		
97	Description of material project or programme		
98	Include additional rows if needed		
99	All other projects or programmes - quality of supply		
100	Quality of supply expenditure		
101	Less: Capital contributions, funding quality of supply		
102	Quality of supply less capital contributions		

SCHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR (cont)		Company Name For Year Ended
110		
111		
112		
113		
114		
115		
116		
117		
118		
119		
120		
121		
122		
123		
124		
125		
126		
127		
128		
129		
130		
131		
132		
133		
134		
135		
136		
137		
138		
139		
140		
141		
142		
143		
144		
145		
146		
147		
148		
149		
150		
151		
152		
153		
154		
155		
156		
157		

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 current disclosure year. GDBs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory comment on any typical 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	
7	(\$000)
8	(\$000)
9	(\$000)
10	(\$000)
11	(\$000)
12	(\$000)
13	(\$000)
14	(\$000)
15	(\$000)
16	(\$000)
17	(\$000)
18	(\$000)
19	(\$000)

6b(i): Operational Expenditure	
Service interruptions, incidents and emergencies	
Routine and corrective maintenance and inspection	
Asset replacement and renewal	
Network opex	
System operations and network support	
Business support	
Non-network opex	
Operational expenditure	
6b(ii): Subcomponents of Operational Expenditure (where known)	
Research and development	
Insurance	

Schedule 7: Comparison of Forecasts to Actual Expenditure

		Company Name <input type="text"/>	
		For Year Ended <input type="text"/>	
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.			
GDBs 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.			
<i>sch ref</i>			
8	7(i): Revenue	Target (\$000) ¹	Actual (\$000)
9	Line charge revenue	<input type="text"/>	<input type="text"/>
10	7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)
11	Consumer connection	<input type="text"/>	<input type="text"/>
12	System growth	<input type="text"/>	<input type="text"/>
13	Asset replacement and renewal	<input type="text"/>	<input type="text"/>
14	Asset relocations	<input type="text"/>	<input type="text"/>
15	Reliability, safety and environment:		
16	Quality of supply	<input type="text"/>	<input type="text"/>
17	Legislative and regulatory	<input type="text"/>	<input type="text"/>
18	Other reliability, safety and environment	<input type="text"/>	<input type="text"/>
19	Total reliability, safety and environment	<input type="text"/>	<input type="text"/>
20	Expenditure on network assets	<input type="text"/>	<input type="text"/>
21	Expenditure on non-network assets	<input type="text"/>	<input type="text"/>
22	Expenditure on assets	<input type="text"/>	<input type="text"/>
23	7(iii): Operational Expenditure		
24	Service interruptions, incidents and emergencies	<input type="text"/>	<input type="text"/>
25	Routine and corrective maintenance and inspection	<input type="text"/>	<input type="text"/>
26	Asset replacement and renewal	<input type="text"/>	<input type="text"/>
27	Network opex	<input type="text"/>	<input type="text"/>
28	System operations and network support	<input type="text"/>	<input type="text"/>
29	Business support	<input type="text"/>	<input type="text"/>
30	Non-network opex	<input type="text"/>	<input type="text"/>
31	Operational expenditure	<input type="text"/>	<input type="text"/>
32	7(iv): Subcomponents of Expenditure on Assets (where known)		
33	Research and development	<input type="text"/>	<input type="text"/>
34	7(v): Subcomponents of Operational Expenditure (where known)		
35	Research and development	<input type="text"/>	<input type="text"/>
36	Insurance	<input type="text"/>	<input type="text"/>
37	<i>1 From the nominal dollar target revenue for the pricing year disclosed under clause 2.4.3(3) of this determination</i>		
38	<i>2 rom the CY+1 nominal dollar expenditure forecasts disclosed in accordance with clause 2.6.5 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

<p>SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES</p> <p>This schedule requires the billed quantities and associated line charge revenues for the disclosure year for each consumer group or price category code used by the GDB in its pricing schedule. Information is also required on the number of CPs that are included in each consumer group or price category code and the energy delivered to these CPs.</p>					
<p>8)(i) Billed quantities by price component</p>					
9	<p>Company Name For Year Ended</p>		<p>Network / Sub-Network Name</p>		
10	<p>Price component</p>		<p>Billed quantities by price component</p>		
11	<p>Consumer group name or price category code</p>		<p>Consumer type or type (e.g., residential, commercial, etc.)</p>		<p>Standard or non-standard consumer group (specify)</p>
12			<p>Average no. of CPs in disclosure year</p>		<p>Quantity of gas delivered (PJ)</p>
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					
23					
24					
25	<p>Additional rows for additional consumer groups or price category codes or necessary</p>				
26			<p>Standard consumer totals</p>		
27			<p>Non-standard consumer totals</p>		
28			<p>Total for all consumers</p>		
29					

Schedule 9a: Asset Register

<p>SCHEDULE 9a: ASSET REGISTER</p> <p>This schedule requires a summary of the quantity of assets that make up the network, by asset category and asset class.</p>							
<p>Company Name</p> <p>For Year Ended</p> <p>Network / Sub-network Name</p>							
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)
8	Operating Pressure	IP PE main pipe	km				[Select one]
9	Intermediate Pressure	IP steel main pipe	km				[Select one]
10	Intermediate Pressure	IP other main pipe	km				[Select one]
11	Intermediate Pressure	IP PE service pipe	km				[Select one]
12	Intermediate Pressure	IP steel service pipe	km				[Select one]
13	Intermediate Pressure	IP other service pipe	km				[Select one]
14	Intermediate Pressure	Intermediate pressure DRS	No.				[Select one]
15	Intermediate Pressure	Stations	No.				[Select one]
16	Intermediate Pressure	Line valve	No.				[Select one]
17	Intermediate Pressure	Special crossings	No.				[Select one]
18	Medium Pressure	MP PE main pipe	km				[Select one]
19	Medium Pressure	MP steel main pipe	km				[Select one]
20	Medium Pressure	MP other main pipe	km				[Select one]
21	Medium Pressure	MP PE service pipe	km				[Select one]
22	Medium Pressure	MP steel service pipe	km				[Select one]
23	Medium Pressure	MP other service pipe	km				[Select one]
24	Medium Pressure	Medium pressure DRS	No.				[Select one]
25	Medium Pressure	MP line valves	No.				[Select one]
26	Medium Pressure	MP special crossings	No.				[Select one]
27	Low Pressure	LP PE main pipe	km				[Select one]
28	Low Pressure	LP steel main pipe	km				[Select one]
29	Low Pressure	LP other main pipe	km				[Select one]
30	Low Pressure	LP PE service pipe	km				[Select one]
31	Low Pressure	LP steel service pipe	km				[Select one]
32	Low Pressure	LP other service pipe	km				[Select one]
33	Low Pressure	LP line valves	No.				[Select one]
34	Low Pressure	LP special crossings	No.				[Select one]
35	All	Monitoring and control systems	No.				[Select one]
36	All	Catholic protection systems	No.				[Select one]

Schedule 9b: Asset Age Profile

Formatted: Normal

SCHEDULE 9b: ASSET AGE PROFILE				Company Name																														
				For Year Ended																														
				Network / Sub-network Name																														
This schedule requires a summary of the age profile (based on year of installation) of the assets that make up the network, by asset category and asset class.																																		
sch ref	Disclosure Year (year ended)	Number of assets at disclosure year end by installation date																											No. with age unknown	Items at end of year (quantity)	No. with default dates	Data accuracy (1-4)		
		Units	pre-1970	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							
9	Operating Pressure	Asset Category	Asset Class	Units	pre-1970	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 at end of year (quantity)	No. with default dates	Data accuracy (1-4)	
10	Intermediate Pressure	Main pipe	IP PE main pipe	km																													[Select one]	
11	Intermediate Pressure	Main pipe	IP steel main pipe	km																														[Select one]
12	Intermediate Pressure	Main pipe	IP other main pipe	km																														[Select one]
13	Intermediate Pressure	Service pipe	IP PE service pipe	km																														[Select one]
14	Intermediate Pressure	Service pipe	IP steel service pipe	km																														[Select one]
15	Intermediate Pressure	Service pipe	IP other service pipe	km																														[Select one]
16	Intermediate Pressure	Stations	Intermediate pressure DRS	No.																														[Select one]
17	Intermediate Pressure	Line valve	IP line valves	No.																														[Select one]
18	Intermediate Pressure	Special crossings	IP crossings	No.																														[Select one]
19	Medium Pressure	Main pipe	MP PE main pipe	km																														[Select one]
20	Medium Pressure	Main pipe	MP steel main pipe	km																														[Select one]
21	Medium Pressure	Main pipe	MP other main pipe	km																														[Select one]
22	Medium Pressure	Service pipe	MP PE service pipe	km																														[Select one]
23	Medium Pressure	Service pipe	MP steel service pipe	km																														[Select one]
24	Medium Pressure	Service pipe	MP other service pipe	km																														[Select one]
25	Medium Pressure	Stations	Medium pressure DRS	No.																														[Select one]
26	Medium Pressure	Line valve	MP line valves	No.																														[Select one]
27	Medium Pressure	Special crossings	MP special crossings	No.																														[Select one]
28	Low Pressure	Main pipe	LP PE main pipe	km																														[Select one]
29	Low Pressure	Main pipe	LP steel main pipe	km																														[Select one]
30	Low Pressure	Main pipe	LP other main pipe	km																														[Select one]
31	Low Pressure	Service pipe	LP PE service pipe	km																														[Select one]
32	Low Pressure	Service pipe	LP steel service pipe	km																														[Select one]
33	Low Pressure	Service pipe	LP other service pipe	km																														[Select one]
34	Low Pressure	Line valve	LP line valves	No.																														[Select one]
35	Low Pressure	Special crossings	LP special crossings	No.																														[Select one]
36	All	Monitoring and control systems	Remote terminal units	No.																														[Select one]
37	All	Cathodic protection systems	Cathodic protection	No.																														[Select one]

Schedule 9c: Report on Pipeline Data

		Company Name For Year Ended			
		Network / Sub-network Name			

SCHEDULE 9c: REPORT ON PIPELINE DATA
 This schedule requires a summary of the key characteristics of the pipeline network.

sch ref	Network Information (end of year)	Length (km)	%
8	System length by material (defined by GDB)		
9	[Pipeline material 1 e.g. Steel, PE, Other]		
10	[Pipeline material 2 e.g. Steel, PE, Other]		
11	[Pipeline material 3 e.g. Steel, PE, Other]		
12	[Pipeline material 4 e.g. Steel, PE, Other]		
13	[Pipeline material 5 e.g. Steel, PE, Other]		
14	[Pipeline material 6 e.g. Steel, PE, Other]		
15			
16	System length		
17			

System length (km) (at year end)	Weighted average pipe diameter (mm)	Number of ICs (at year end)	Gas conveyed for Persons not involved in the GDB (TJ)

By operating pressure:

Intermediate pressure			
Medium pressure			
Low pressure			
Total			

Schedule 9d: Report on Demand

<p><i>Company Name</i></p> <p><i>For Year Ended</i></p> <p><i>Network / Sub-network Name</i></p>					
<p>SCHEDULE 9d: REPORT ON DEMAND</p> <p>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)</p>					
sch ref					
8					
9					
10					
11					
12	9d(i): Consumer Connections				
	Number of ICPS connected in year by consumer type				Number of connections (ICPs)
13	<i>Consumer types defined by GDB</i>				
14	[GDB consumer type]	[GDB consumer type]	[GDB consumer type]	[GDB consumer type]	
15	[GDB consumer type]	[GDB consumer type]	[GDB consumer type]	[GDB consumer type]	
16	[GDB consumer type]	[GDB consumer type]	[GDB consumer type]	[GDB consumer type]	
17	[GDB consumer type]	[GDB consumer type]	[GDB consumer type]	[GDB consumer type]	
18	Total				-
19					
20					
21	9d(ii): Gas Delivered				
22	Number of ICPS at year end				connections
23	Maximum daily load				(GJ per day)
24	Maximum monthly load				(GJ per month)
25	Number of directly billed ICPS				(at year end)
26	Total gas conveyed				(GJ per annum)
27	Average daily delivery				(GJ per day)
28	Load factor				-

Line with 'maximum monthly amount of gas entering network' has been deleted as it contains the same information as 'maximum monthly load'.

Schedule 10a: Report on Network Reliability and Interruptions

	Company Name			
	For Year Ended			
	Network / Sub-network Name			

SCHEDULE 10a: REPORT ON NETWORK RELIABILITY AND INTERRUPTIONS

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and CAIDI) for the disclosure year. GDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory Notes to Templates). The SAIDI and SAIFI 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.

ref

10a(i): Interruptions

Interruptions by class

	Actual
Class A (planned interruptions by GTB)	
Class B (planned interruptions on the network)	
Class C (unplanned interruptions on the network)	
Class D (unplanned interruptions by GTB)	
Class I (unplanned interruptions caused by third party damage)	
Total	

Number of unplanned outage events (interruptions that affect more than 5 ICPS)

	Actual
Region_01	
Region_02	
Region_03	
Region_04	
Region_05	

Number of unplanned outage events caused by third party damage (interruptions that affect more than 5 ICPS)

	Actual
Region_01	
Region_02	
Region_03	
Region_04	
Region_05	

10a(ii): Reliability

Overall reliability

	SAIDI	SAIFI	CAIDI
Based on the total number of interruptions			-
Class I (unplanned interruptions caused by third party damage)			-

Class B (planned interruptions on the network)

	SAIDI	SAIFI	CAIDI
Region_01			-
Region_02			-
Region_03			-
Region_04			-
Region_05			-

Class C (unplanned interruptions on the network)

	SAIDI	SAIFI	CAIDI
Region_01			-
Region_02			-
Region_03			-
Region_04			-
Region_05			-

Schedule 10b: Report on Network Integrity and Consumer Service

		Company Name	<input style="width: 100%;" type="text"/>			
		For Year Ended	<input style="width: 100%;" type="text"/>			
		Network / Sub-network Name	<input style="width: 100%;" type="text"/>			
SCHEDULE 10b: REPORT ON NETWORK INTEGRITY AND CONSUMER SERVICE						
This schedule requires a summary of the key measures of network integrity (gas escapes, response time to emergencies etc) for the disclosure year.						
sch ref						
8	10b(i): System Condition and Integrity					
9	Number of confirmed public reported gas escapes per system length (escapes/1000 km)				Actual	
10	Region 01					
11	Region 02					
12	Region 03					
13	Region 04					
14	Region 05					
15	Number of leaks detected by routine survey per system length (leaks/1000 km)				Actual	
16	Region 01					
17	Region 02					
18	Region 03					
19	Region 04					
20	Region 05					
21	Number of third party damage events per system length (events/1000 km)				Actual	
22	Region 01					
23	Region 02					
24	Region 03					
25	Region 04					
26	Region 05					
27	Number of poor pressure events due to network causes				Actual	
28	Region 01					
29	Region 02					
30	Region 03					
31	Region 04					
32	Region 05					
33	Number of telephone calls to emergency numbers answered within 30 seconds per total number of calls				Actual	
34	Region 01					
35	Region 02					
36	Region 03					
37	Region 04					
38	Region 05					
39	Product control—safety of distribution gas				Actual	
40	Number of non-compliant odour tests				<input style="width: 50px;" type="text"/>	
41						
42	10b(ii): Consumer Service					
43	Response time to emergencies (RTE)		Proportion of emergencies responded to within 1 hour (%)	Proportion of emergencies responded to within 3 hours (%)	Average call response time (hours)	Number of emergencies
44	Region 01					
45	Region 02					
46	Region 03					
47	Region 04					
48	Region 05					
49	Number of complaints				Actual	
50	Number of complaints per average total consumer numbers				<input style="width: 50px;" type="text"/>	

Schedule 11a: Report on Forecast Capital Expenditure

		Company Name: _____ AMP Planning Period: _____										
		Current Year	CV1	CV2	CV3	CV4	CV5	CV6	CV7	CV8	CV9	CV10
7		\$000 (nominal dollar)										
8	11(a) Expenditure on Assets Forecast											
9	Consumer connection											
10	System growth											
11	Asset replacement and renewal											
12	Asset replacements											
13	Reliability, safety and environment:											
14	Quality of supply											
15	Regulatory and regulatory											
16	Other reliability, safety and environment											
17	Total reliability, safety and environment											
18	Expenditure on non-network assets											
19	Expenditure on assets											
20	plus											
21	Cost of financing											
22	plus											
23	Cost of debt											
24	plus											
25	Value of vested staff											
26	Capital expenditure for asset											
27	Assets commissioned											
28												
29												
30												
31												
32												
33	Consumer connection											
34	System growth											
35	Asset replacement and renewal											
36	Asset replacements											
37	Reliability, safety and environment:											
38	Quality of supply											
39	Regulatory and regulatory											
40	Other reliability, safety and environment											
41	Total reliability, safety and environment											
42	Expenditure on non-network assets											
43	Expenditure on assets											
44	Subcomponents of expenditure on assets (where known)											
45	Research and development											
46												
47												
48												
49												
50	Difference between nominal and constant price forecasts											
51	Consumer connection											
52	System growth											
53	Asset replacement and renewal											
54	Asset replacements											
55	Reliability, safety and environment:											
56	Quality of supply											
57	Regulatory and regulatory											
58	Other reliability, safety and environment											
59	Total reliability, safety and environment											
60	Expenditure on non-network assets											
61	Expenditure on assets											
62												

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE (cont)		Company Name				
		AMP Planning Period				
Line Item	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
11a(i): Consumer Connection						
70	Consumer types defined by GDR*					
71	GDR consumer type					
72	GDR consumer type					
73	GDR consumer type					
74	GDR consumer type					
75	GDR consumer type					
76	GDR consumer type					
77	GDR consumer type					
78	GDR consumer type					
79	* include additional rows if needed					
80	Consumer connection expenditure					
81	Capital contributions, funding consumer connection					
82	Consumer connection less capital contributions					
11a(ii): System Growth						
83	Intermediate pressure					
84	Main pipe					
85	Service pipe					
86	Stations					
87	Line valve					
88	Special crossings					
89	Intermediate Pressure total					
90	Medium pressure					
91	Main pipe					
92	Service pipe					
93	Stations					
94	Line valve					
95	Special crossings					
96	Medium Pressure total					
97	Low Pressure					
98	Main pipe					
99	Service pipe					
100	Stations					
101	Line valve					
102	Special crossings					
103	Low Pressure total					
104	Other network assets					
105	Monitoring and control systems					
106	Cathodic protection systems					
107	Other assets (other than above)					
108	Other network assets total					
109	System growth expenditure					
110	Capital contributions, funding system growth					
111	System growth less capital contributions					
112						

1201		Company Name		AMP Planning Period							
						Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE (cont)											
121	11a(v): Asset Replacement and Renewal										
122	Intermediate pressure										
123	Stations										
124	Service pipe										
125	Line valve										
126	Special crossings										
127	Intermediate Pressure total										
128	Medium pressure										
129	Stations										
130	Service pipe										
131	Line valve										
132	Special crossings										
133	Medium Pressure total										
134	Low Pressure										
135	Stations										
136	Service pipe										
137	Line valve										
138	Special crossings										
139	Low Pressure total										
140	Other network assets										
141	Monitoring and control systems										
142	Cathodic protection systems										
143	Other network assets total										
144	Asset replacement and renewal expenditure										
145	Net Capital contributions funding asset replacement and renewal										
146	Asset replacement and renewal Net capital contributions										
147	11a(v): Asset Relocations										
148	Project or programme*										
149	Description of material project or programme										
150	Start date of material project or programme										
151	End date of material project or programme										
152	Description of material project or programme										
153	Description of material project or programme										
154	Description of material project or programme										
155	Description of material project or programme										
156	Description of material project or programme										
157	Description of material project or programme										
158	Description of material project or programme										
159	Description of material project or programme										
160	Description of material project or programme										
161	Asset relocations expenditure										
162	Net Capital contributions funding asset relocations										
163	Asset relocations less capital contributions										
164	11a(v): Quality of Supply										
165	Project or programme*										
166	Description of material project or programme										
167	Start date of material project or programme										
168	End date of material project or programme										
169	Description of material project or programme										
170	Description of material project or programme										
171	Description of material project or programme										
172	Quality of supply expenditure										
173	Net Capital contributions funding quality of supply										
174	Quality of supply less capital contributions										
175	11a(v): Quality of Supply										
176	Project or programme*										
177	Description of material project or programme										
178	Start date of material project or programme										
179	End date of material project or programme										
180	Description of material project or programme										
181	Quality of supply expenditure										
182	Net Capital contributions funding quality of supply										
183	Quality of supply less capital contributions										
184											
185											
186											

SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE (cont)		Company Name
\$000 (in constant prices)		AMP Planning Period
187	Project or programme*	
188	11a(vii): Legislative and Regulatory	
189	Project or programme	
190	Description of material project or programme	
191	Description of material project or programme	
192	Description of material project or programme	
193	Description of material project or programme	
194	* include additional rows if needed	
195	All other projects or programmes - legislative and regulatory	
196	Legislative and regulatory expenditure	
197	Less Capital contributions funding legislative and regulatory	
198	Legislative and regulatory less capital contributions	
199	11a(viii): Other Reliability, Safety and Environment	
200	Project or programme*	
201	Description of material project or programme	
202	Description of material project or programme	
203	Description of material project or programme	
204	Description of material project or programme	
205	Description of material project or programme	
206	* include additional rows if needed	
207	All other projects or programmes - other reliability, safety and environment	
208	Other reliability, safety and environment expenditure	
209	Less Capital contributions funding other reliability, safety and environment	
210	Other reliability, safety and environment less capital contributions	
211	11a(k): Non-Net-Work Assets	
212	Routine expenditure	
213	Project or programme*	
214	Description of material project or programme	
215	Description of material project or programme	
216	Description of material project or programme	
217	Description of material project or programme	
218	Description of material project or programme	
219	* include additional rows if needed	
220	All other projects or programmes - routine expenditure	
221	Routine expenditure	
222	Atypical expenditure	
223	Project or programme*	
224	Description of material project or programme	
225	Description of material project or programme	
226	Description of material project or programme	
227	Description of material project or programme	
228	Description of material project or programme	
229	* include additional rows if needed	
230	All other projects or programmes - atypical expenditure	
231	Atypical expenditure	
232	Expenditure on non-network assets	
233		

Schedule 11b: Report on Forecast Operational Expenditure

		Company Name <input type="text"/>										
		AMP Planning Period <input type="text"/>										
ref		Current year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
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.												
GD&Bs must provide explanatory comment on the difference between constant price and nominal dollar operational expenditure forecasts in Schedule 14a (Mandatory Explanatory Notes).												
This information is not part of audited disclosure information.												
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	Network opex											
15	System operations and network support											
16	Business support											
17	Non-network opex											
18	Operational expenditure											
19												
20												
21												
22												
23												
24	Network opex											
25	System operations and network support											
26	Business support											
27	Non-network opex											
28	Operational expenditure											
29												
30	Subcomponents of operational expenditure (where known)											
31	Research and development											
32	Insurance											
33												
34												
35												
36												
37												
38												
39												
40	Network opex											
41	System operations and network support											
42	Business support											
43	Non-network opex											
44	Operational expenditure											
45												
46												
47												
48												
49												
50												
51												
52												
53												
54												
55												
56												
57												
58												
59												
60												
61												
62												
63												
64												
65												
66												
67												
68												
69												
70												
71												
72												
73												
74												
75												
76												
77												
78												
79												
80												
81												
82												
83												
84												
85												
86												
87												
88												
89												
90												
91												
92												
93												
94												
95												
96												
97												
98												
99												
100												

Schedule 12a: Report on Asset Condition

Company Name		AMP Planning Period		Asset condition at start of planning period (percentage of units by grade)							% of asset forecast to be replaced in next 5 years
sch ref	Operating Pressure	Asset category	Asset class	Units	Grade 1	Grade 2	Grade 3	Grade 4	Grade unknown	Data accuracy (1-4)	
7											
8	Intermediate Pressure	Main pipe	IP PE main pipe	km						[Select one]	
9	Intermediate Pressure	Main pipe	IP steel main pipe	km						[Select one]	
10	Intermediate Pressure	Main pipe	IP other main pipe	km						[Select one]	
11	Intermediate Pressure	Service pipe	IP PE service pipe	km						[Select one]	
12	Intermediate Pressure	Service pipe	IP steel service pipe	km						[Select one]	
13	Intermediate Pressure	Service pipe	IP other service pipe	km						[Select one]	
14	Intermediate Pressure	Stations	Intermediate pressure DNS	No.						[Select one]	
15	Intermediate Pressure	Line valve	IP line valves	No.						[Select one]	
16	Intermediate Pressure	Special crossings	IP crossings	No.						[Select one]	
17	Medium Pressure	Main pipe	MP PE main pipe	km						[Select one]	
18	Medium Pressure	Main pipe	MP steel main pipe	km						[Select one]	
19	Medium Pressure	Main pipe	MP other main pipe	km						[Select one]	
20	Medium Pressure	Service pipe	MP PE service pipe	km						[Select one]	
21	Medium Pressure	Service pipe	MP steel service pipe	km						[Select one]	
22	Medium Pressure	Service pipe	MP other service pipe	km						[Select one]	
23	Medium Pressure	Stations	Medium pressure DNS	No.						[Select one]	
24	Medium Pressure	Line valve	MP line valves	No.						[Select one]	
25	Medium Pressure	Special crossings	MP special crossings	No.						[Select one]	
26	Medium Pressure	Main pipe	LP PE main pipe	km						[Select one]	
27	Low Pressure	Main pipe	LP steel main pipe	km						[Select one]	
28	Low Pressure	Main pipe	LP other main pipe	km						[Select one]	
29	Low Pressure	Service pipe	LP PE service pipe	km						[Select one]	
30	Low Pressure	Service pipe	LP steel service pipe	km						[Select one]	
31	Low Pressure	Service pipe	LP other service pipe	km						[Select one]	
32	Low Pressure	Line valve	LP line valves	No.						[Select one]	
33	Low Pressure	Special crossings	LP special crossings	No.						[Select one]	
34	All	Monitoring and control systems	Remote terminal units	No.						[Select one]	
35	All	Cathodic protection systems	Cathodic protection	No.						[Select one]	
36	All									[Select one]	

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.

Schedule 12b: Report on Forecast Utilisation

Company Name

AMP Planning Period

SCHEDULE 12b: REPORT ON FORECAST UTILISATION

This Schedule requires a breakdown of current and forecast utilisation (for heavily utilised pipelines) consistent with the information provided in the AMP and the demand forecast in schedule S12c.

ref	Forecast Utilisation of Heavily Utilised Pipelines														
	Region	Network	Pressure system	Nominal operating pressure (NOP) (kPa)	Minimum operating pressure (MinOP) (kPa)	Total capacity at MinOP (scmh)	Remaining capacity at MinOP (scmh)	Unit	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	Comment
7								scmh							
8								kPa							
9								scmh							
10								kPa							
11								scmh							
12								kPa							
13								scmh							
14								kPa							
15								scmh							
16								kPa							
17								scmh							
18								kPa							
19								scmh							
20								kPa							
21								scmh							
22								kPa							
23								scmh							
24								kPa							
25								scmh							
26								kPa							
27								scmh							
28								kPa							
29								scmh							
30								kPa							
31	* Current year utilisation figures may be estimates. Year 1-5 figures show the utilisation forecast to occur given the expected system configuration for each year, including the effect of any new investment in the pressure system.														
32	Disclaimer for supply enquiries														
33	<input type="text"/>														
34	Notes and assumptions														
35	<input type="text"/>														
36	<input type="text"/>														
37	<input type="text"/>														
38	<input type="text"/>														
39	<input type="text"/>														
40	<input type="text"/>														
41	<input type="text"/>														
42	<input type="text"/>														

Schedule 12c: Report on Forecast Demand

Company Name
 AMP Planning Period

SCHEDULE 12c: REPORT ON FORECAST DEMAND

This schedule requires a forecast of new connections (by consumer type), peak demand and energy volumes for the disclosure year and a 5 year planning period. The forecasts should be consistent with the supporting information set out in the AMP as well as the assumptions used in developing the expenditure forecasts in Schedule 11a and Schedule 11b and the capacity and utilisation forecasts in Schedule 12b.

sch ref

		Current year CY	CY+1	CY+2	CY+3	CY+4	CY+5
7	12c(i) Consumer Connections						
8	Number of ICPs connected in year by consumer type						
9							
10							
11	Consumer types defined by GDB						
12	[GDB consumer type]						
13	[GDB consumer type]						
14	[GDB consumer type]						
15	[GDB consumer type]						
16	[GDB consumer type]						
17	Total	-	-	-	-	-	-
18							
19	12c(ii): Gas Delivered						
20	Number of ICPs at year end (at year end)						
21	Maximum daily load (GJ per day)						
22	Maximum monthly load (GJ per month)						
23	Number of directly billed ICPs (at year end)						
24	Total gas conveyed (GJ per annum)						
25	Average daily delivery (GJ per day)	-	-	-	-	-	-
26	Load factor	-	-	-	-	-	-

Column - 'maximum monthly amount of gas' line has been deleted.

Schedule 13: Report on Asset Management Maturity

1. When required to complete the Report on Asset Management Maturity under clause an AMP under clause 2.6.1, eEach GDB must:

Formatted: Font: Not Bold

~~1.1.1~~ complete the AMMAT Report set out in Schedule 17. The GDB 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:

Formatted

~~1.1.1.1~~ Organising people within the organisation to answer the questions;

Formatted

~~1.2.1.1.2~~ Arranging for all information to be captured in the Report on Asset Management Maturity within the AMMAT;

~~1.3.1.1.3~~ Reporting to the organisation on the results of the assessment;

~~1.4.1.1.4~~ Planning the assessment process, including;

~~1.4.1(a)~~ determining 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;

Formatted

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

~~1.4.3(c)~~ providing 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)~~ identifying which questions are to be asked of which respondents.

~~2.1.2~~ Each GDB must specify in the AMMAT Report on Asset Management Maturity the standard of asset management practice that the GDB has used as the reference standard. Cells in the following columns in the AMMAT Report set out below must be filled out:

Formatted

Formatted: Font: Not Bold

Formatted: Font: Not Bold

~~3.1.3~~ fill out 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.

Formatted

This column can be used by the person responsible for completing ~~and~~ maintaining the [Report on Asset Management Maturity \(AMMAT\)](#) to provide guidance to the persons coordinating responses to each question.

Formatted: Indent: Left: 3.75 cm

~~3.21.3.2~~ ‘Evidence—Summary’: the information/evidence used to support the assessed rating.

Formatted

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

Formatted: Indent: Left: 3.75 cm

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

Formatted

To meet [Report on Asset Management Maturity \(AMMAT\)](#) level 4 maturity, the GDB’s processes must surpass the standards that must be complied with in an internationally accepted asset management specification. The [Report on Asset Management Maturity \(AMMAT\)](#) 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.

Formatted: Indent: Left: 3.75 cm

Formatted: Font: Not Bold

2. When disclosing the Report on Asset Management Maturity in the AMP, a GDB 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

~~3.42.9~~ a maturity level column which includes, for each row, the corresponding definition of the maturity level ‘score’ selected for each ‘question’.

~~3.53.~~ Guidance notes on completing the [Report on Asset Management Maturity \(AMMAT\)](#)

Formatted

3.5.13.1 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 GDB. In particular, it helps the GDB's employees and suppliers to understand and improve asset management concepts and processes.

Formatted: Font: Italic

Formatted

Formatted: Font: Not Bold, Italic

Formatted: Font: Italic

Formatted: Font: Not Bold, Italic

Formatted: Font: Italic

3.5.23.2 The report AMMAT will not provide an effective assessment of the maturity of the GDB's asset management capability and processes unless the preparation of the report AMMAT is supported by senior management of the GDB.

Formatted: Font: Italic

Formatted: Font: Not Bold, Italic

Formatted: Font: Italic

Formatted: Font: Italic

Formatted: Font: Not Bold, Italic

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

Formatted: Font: Not Bold, Italic

Formatted: Font: Italic

Formatted: Font: Italic

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

Formatted: Font: Italic

3.5.53.5 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.

3.5.63.6 The definitions provided in the report AMMAT for each maturity rating should provide sufficient information for a GDB to objectively identify the level currently being achieved by the organisation

Formatted: Font: Italic

Formatted: Font: Not Bold, Italic

Formatted: Font: Italic

Company Name	
AMP Planning Period	
Asset Management Standard Applied	

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY

This schedule requires information on the GDB'S self-assessment of the maturity of its asset management practices.

Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/documented 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).

<div style="text-align: right;"> Company Name <input type="text"/> AMP Planning Period <input type="text"/> Asset Management Standard Applied <input type="text"/> </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
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.

<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	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.

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
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.

Company Name

AMP Planning Period

Asset Management Standard Applied

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

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 fulfil 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 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 people 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 organisations 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 organisations 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.

Company Name _____ AMP Planning Period _____ Asset Management Standard Applied _____								
SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)								
Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	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)?				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.	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.	Evidence of analysis of future work load plan(s) in terms of human resources. Document(s) containing analysis of the organisation's own direct resources and contractors resource capability over suitable timescales. Evidence, such as minutes of meetings, that suitable management forums are monitoring human resource development plan(s). Training plan(s), personal development plan(s), contract and service level agreements.
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?				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).	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.	Evidence of an established and applied competency requirements assessment process and plan(s) in place to deliver the required training. Evidence that the training programme is part of a wider, co-ordinated asset management activities training and competency programme. Evidence that training activities are recorded and that records are readily available (for both direct and contracted service provider staff) e.g. via organisation wide information system or local records database.
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?				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.	Managers, supervisors, persons responsible for developing training programmes. Staff responsible for procurement and service agreements. HR staff and those responsible for recruitment.	Evidence of a competency assessment framework that aligns with established frameworks such as the asset management Competencies Requirements Framework (Version 2.0); National Occupational Standards for Management and Leadership; UK Standard for Professional Engineering Competence, Engineering Council, 2005.
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.

Company Name <input type="text"/> AMP Planning Period <input type="text"/> Asset Management Standard Applied <input type="text"/>							
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
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 in 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.
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.

<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	Score	Evidence—Summary	User Guidance	Why	Who	Record/documented Information
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?				<p>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.</p> <p>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.</p>	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?				<p>The response to the questions is progressive. A higher scale cannot be awarded without achieving the requirements of the lower scale.</p> <p>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).</p>	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.
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.

<div style="text-align: right; margin-bottom: 5px;"> Company Name <input style="width: 150px; height: 15px;" type="text"/> AMP Planning Period <input style="width: 150px; height: 15px;" type="text"/> Asset Management Standard Applied <input style="width: 150px; height: 15px;" type="text"/> </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
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 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.
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.

<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	Score	Evidence—Summary	User Guidance	Why	Who	Record/document Information
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.

Company Name <input type="text"/> AMP Planning Period <input type="text"/> Asset Management Standard Applied <input type="text"/>							
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
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.

Company Name

AMP Planning Period

Asset Management Standard Applied

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/documented 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 performance?				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 conformances 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 conformances. 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.

Company Name <input type="text"/> AMP Planning Period <input type="text"/> Asset Management Standard Applied <input type="text"/>							
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
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 performance?	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 conformances 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.

<div style="text-align: right;"> Company Name <input type="text"/> AMP Planning Period <input type="text"/> Asset Management Standard Applied <input type="text"/> </div>								
SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)								
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 preventative 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 preventative actions.	The organisation recognises the need to have systematic approaches to instigating corrective or preventative 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 **GDBs** to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.21, 2.4.22, ~~subclauses 2.5.1(1)(e)2.5.1 and 2.5.2(1)(e)2.5.2, and clause 2.12.2.~~
2. This ~~S~~schedule is mandatory—**GDBs** must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 12 ~~and 17~~ 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 **GDBs** to give additional explanation of disclosed information should they elect to do so.

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)2.7.2.~~

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 3(i) of Schedule 3
 - 5.2 information on reclassified items in accordance with ~~subclause 2.7.1(2)2.7.2.~~

Formatted: Font: Not Bold

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

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

6. If the **GDB** 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\(2\)2.7.2](#)

6.2 any other commentary on the benefits of the merger and acquisition expenditure to the **GDB**.

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\(2\)2.7.2](#).

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)

8. In the box below, provide descriptions and workings of the [following material](#) items, ~~as~~ recorded in the [following](#) asterisked categories ~~of~~ 5a(i) of Schedule 5a~~;~~

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(ivj) of Schedule 5a)

9. In the box below, provide descriptions and workings of [material](#) items recorded in the asterisked category 'Tax effect of other temporary differences' in 5a(ivj) of Schedule 5a.

Box 6: Tax effect of other temporary differences (current disclosure year)

[Insert text here]

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

10. In the box below, provide descriptions of related party transactions beyond those disclosed on [Schedule 5b](#) including identification and descriptions as to the nature of directly attributable costs disclosed under [sub](#)clause 2.3.6(2)(b).

Box 7: Related party transactions

[Insert text here]

Cost allocation (Schedule 5d)

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 [sub](#)clause [2.7.1\(2\)2-7.2](#).

Box 8: Cost allocation

[Insert text here]

Asset allocation (Schedule 5e)

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\(2\)2-7.2](#).

Box 9: Commentary on asset allocation

[Insert text here]

Capital Expenditure for the Disclosure Year (Schedule 6a)

13. In the box below, comment on expenditure on assets for the disclosure year, as disclosed in Schedule 6a. This comment must include:

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

13.2 information on reclassified items in accordance with [subclause 2.7.1\(2\)2.7.2](#).

Box 10: Explanation of capital expenditure for the disclosure year

[Insert text here]

Operational Expenditure for the Disclosure Year (Schedule 6b)

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

14.1 Commentary on assets replaced or renewed with [Asset replacement and renewal operational](#) expenditure, as reported in 6b(i) of Schedule 6b

14.2 Information on reclassified items in accordance with [subclause 2.7.1\(2\)2.7.2](#)

14.3 Commentary on any material atypical expenditure included in operational expenditure disclosed in Schedule 6b, 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)

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\(2\)2.7.2](#).

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

[Insert text here]

Information relating to revenues and quantities for the disclosure year

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]

17. If price category codes or consumer groups (as applicable) have been changed in a disclosure year, please explain in the box below the effect of this on the allocation of ICPs, quantities and revenues between consumer groups disclosed in Schedule 8.

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

[Insert text here]

Network ~~R~~Reliability for the ~~d~~Disclosure ~~y~~Year (Schedule 10a)

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

19. In the box below, provide details of any insurance cover for the assets used to provide gas pipeline services, including-
- 19.1 The **GDB**'s approaches and practices in regard to the insurance of assets, including the level of insurance;
 - 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 details of any material error identified in previously disclosed information. This disclosure must include the information on previously disclosed information in accordance with 2.12.2.](#)

Box 17: Disclosure of amendment to previously disclosed information

[Insert text here]

Schedule 14a: Mandatory Explanatory Notes on Forecast Information

1. This [Schedule](#) requires **GDBs** to provide explanatory notes to reports prepared in accordance with clause 2.6.5.
2. This [Schedule](#) is mandatory—**GDBs** must provide the explanatory comment specified below, in accordance with clause [2.7.12.7.2](#). 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 requires GDBs to provide explanatory notes to the transitional financial information disclosed in accordance with clause 2.12.1.~~
- ~~2. This Schedule is mandatory—GDBs 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, provide explanatory comment on the GDB's initial RAB adjustments, as disclosed in Schedule 5h (Transitional financial information), summarising the adjustments made in accordance with clause 2.2.1 of the IM determination.~~

~~Box 1: Initial RAB adjustments~~

~~[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 4d(vi) of Schedule 4d).~~

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

~~[Insert text here]~~

Related party transactions

5. — 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 3: 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 2.7.2 for disclosure years 2011 and 2012.

Box 4: Commentary on asset allocation

[Insert text here]

Schedule 15: Voluntary Explanatory Notes

1. This [Schedule](#) enable **GDBs** to provide, should they wish to:
 - 1.1 additional explanatory comment to reports prepared in accordance with clauses 2.3.1, 2.4.21, 2.4.22, 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 [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](#).
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	means the % 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: a = actual expenditure b = 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 set out in the IM determination

Actual expenditure	means, in relation to: (a) a disclosure year, expenditure for that 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 given set out in the IM determination
Adjustment for unamortised initial differences in assets acquired	means for assets acquired from another regulated supplier, the value of the unamortised initial differences in asset values for those assets acquired as unamortised initial differences in asset values is determined in accordance with the input methodologies that applies to the regulated goods or services supplied by that regulated supplier
Adjustment for unamortised initial differences in assets disposed	means the value of opening unamortised initial differences in asset values for assets that are disposed of during the year

<p>Adjustment resulting from asset allocation</p>	<p>means</p> <p><u>(a)</u> 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>(a)<u>(b)</u> <u>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)<u>(c)</u> in all other instances, the value of <i>q</i> calculated using the following formula:</p> $q = a - (b - c + d + e - f + g)$ <p>where:</p> <p><i>a</i> = total closing RAB value</p> <p><i>b</i> = total opening RAB value</p> <p><i>c</i> = total depreciation</p> <p><i>d</i> = total CPI revaluations</p> <p><i>e</i> = assets commissioned</p> <p><i>f</i> = asset disposals</p> <p><i>g</i> = 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>

Formatted

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
Allocator metric	has the meaning givenset-out in the IM determination
Allocator type	has the meaning givenset-out in the IM determination
Allowed controllable opex	has the meaning givenset-out in the IM determination
Amortisation of initial differences in asset values	has the meaning givenset-out in paragraph (a) of the defined term in the IM determination
Amortisation of revaluations	has the meaning givenset-out in paragraph (a) of the defined term in the IM determination
Arm's-length deduction	has the meaning givenset-out in the IM determination
Assets acquired from a related party	means: (c) 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; 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 distribution services in accordance with clause 2.1.1 of the IM determination
Assets acquired from a regulated supplier	means: (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; (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 distribution services in accordance with clause 2.1.1 of the IM determination
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>	<u>means the p</u> 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	<u>means:</u> (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; (b) in relation to the RAB, the value (as determined in accordance with paragraph (a)) which was allocated to gas distribution services in accordance with clause 2.1.1 of the IM determination
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
Asset or assets with changes to depreciation	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: (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 D <u>d</u> etermination (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 D <u>d</u> etermination (d) the GDB chooses to disclose details about the asset(s) depreciation profile (e) the asset is a composite asset (as that term is used in clause 2.2.8(5) of the IM D <u>d</u> etermination) 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> <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 distribution services in accordance with clause 2.1.1 of the IM determination</p>
<p>Assets acquired from a related party</p>	<p>means:</p> <p>(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;</p> <p>(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 distribution services in accordance with clause 2.1.1 of the IM determination</p>
<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>
<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 are 'one-off' or 'exceptional'</u></p>
<p><u>Average daily delivery (GJ per day)</u></p>	<p><u>means:</u></p> $q = \frac{a}{b}$ <p><u>where:</u></p> <p><u><i>a</i> = total gas conveyed</u></p> <p><u><i>b</i> = number of days in the disclosure year</u></p>

Formatted: Font: Not Bold

Formatted: Font: Not Bold

Formatted: Font: Not Bold

Formatted: Font: Not Bold

Formatted: Font: Not Bold

Formatted: Font: Not Bold

Formatted: Font: Not Bold

Formatted: Font: Not Bold

Formatted: Font: Not Bold

Average opening and closing RAB values	<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>
Average total number of distribution customers	means the average of customer numbers measured at the start of the disclosure year and at the end of the disclosure year
Basis for determining value	means the subclause applied in valuing the basis for determining the value of the related party transactions in accordance with clauses 2.3.6 and 2.3.7 of this determination
Billed quantities	means the quantities associated with price components upon which the consumer's bill for gas distribution services is based, expressed in the units of measure used by the GDB for setting prices (for example volumes of gas delivered in GJ).
Book value	<p>means:</p> <p>(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</p> <p>(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 GDB's latest general purpose financial statements</p>

<p>Business support</p>	<p>in relation to expenditure, means operational expenditure associated with the following corporate activities:</p> <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 GTBs, customers and gas retailers
<p>CAIDI (Customer Average Interruption Duration Index)</p>	<p>means:</p> $q = \frac{a}{b}$ <p>where:</p> <p><u>a</u> = SAIDI</p> <p><u>b</u> = SAIFI</p>
<p>Capital contributions funding asset relocations</p>	<p>means the value of capital contributions that are paid to the GDB in relation to asset relocation expenditure</p>
<p>Capital contributions funding asset replacement and renewal</p>	<p>means the value of capital contributions that are paid to the GDB in relation to asset replacement and renewal expenditure</p>
<p>Capital contributions funding consumer connection</p>	<p>means the value of capital contributions that are paid to the GDB in relation to consumer connection expenditure</p>

Capital contributions funding legislative and regulatory	means the value of capital contributions that are paid to the GDB 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 GDB 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 GDB in relation to quality of supply expenditure
Capital contributions funding system growth	means the value of capital contributions that are paid to the GDB in relation to system growth expenditure
Cathodic protection systems	means a system that inhibits the corrosion of a metallic gas pipe by means of an impressed current or sacrificial anodes.
Class A_— (planned interruptions by GTB)	mMeans planned interruptions, caused by a GTB, when the GDB is able to give 10 business days' notice to either the customer or its retailer or arrange the interruption with the customer or its retailer; unless otherwise arranged with the customer or its retailer.
Class B_—(planned interruptions on the network)	mMeans planned interruptions, excluding those caused by a GTB, when the GDB is able to give 10 business days' notice to either the customer or its retailer or arrange the interruption with the customer or its retailer; unless otherwise arranged with the customer or its retailer.
Class C_— (unplanned interruptions on the network)	means an unplanned interruption on the GDB's network, excluding interruptions cause by third party damage and excluding any occurrence of insufficient system capability to provide the required quantity of gas to a supply point due to a failure on the transmission network
Class D_— (unplanned interruptions by GTB)	mMeans an occurrence of insufficient system capability to provide the required quantity of gas to a point of supply due to a failure on the transmission network

Class I (unplanned interruptions caused by third party damage)	<u>means</u> an unplanned interruption on the GDB's network caused <u>by a</u> third party damage <u>event</u>
Closing deferred tax	has the meaning <u>givenset-out</u> in clause 2.3.7(2) of the IM determination
Closing RAB (tax value)	means the sum of regulatory tax asset values for assets that 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 <u>asset</u> allocation less lost and found assets adjustment plus closing deferred tax
Closing <u>sum of regulatory tax asset values</u> RAB (tax value)	means the sum of regulatory tax asset 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 2.3.9(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

Closing unamortised initial differences in asset values	means closing unamortised initial differences in asset values determined in accordance with clause 2.3.5(5) of the IM determination
Commerce Act levies	means a cost specified in clause 3.1.2(2)(b)(i) of the IM determination
Complaint	means any separate complaint received from either a retailer or a customer
Confirmed public reported escapes of gas (PRE)	means any escape of gas confirmed by the GDB excluding third party damage events, routine survey find and no traces events
Consumer type	means a category of consumers as defined by the GDB that is typical of the type of consumer connected to the network. This may refer to consumer groups as used for pricing, physical connection attributes or any other attribute that the GDB considers appropriate.
Corporate tax rate	has the meaning givenset-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 givenset-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 givenset-out in clause 2.2.9(4) of the IM determination
CPI ₄ ⁻⁴	has the meaning givenset-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 GDB'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
Deferred tax balance relating to assets acquired in the disclosure year	has the meaning given set out in clause 2.3.7(3) of the IM determination
Deferred tax balance relating to assets disposed in the disclosure year	means the amount of deferred tax associated with the assets disposed of by the GDB
Deferred tax cost allocation adjustment	means cost allocation adjustments as defined in clause 2.3.7(5) 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>

<p>Depreciation - modified life assets</p>	<p>means:</p> <ul style="list-style-type: none"> (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; (b) in relation to the RAB, depreciation calculated in accordance with clause 2.2.5(2) of the IM determination; <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>
<p>Depreciation - no standard life assets</p>	<p>means:</p> <ul style="list-style-type: none"> (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; (b) in relation to the RAB, depreciation calculated in accordance with clause 2.2.5(2) of the IM determination; <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>
<p>Depreciation - standard</p>	<p>means:</p> <ul style="list-style-type: none"> (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; (b) in relation to the RAB, depreciation calculated in accordance with clause 2.2.5(2) of the IM determination; <p>excluding depreciation - alternative depreciation in accordance with CPP, depreciation - modified life assets, and depreciation - no standard life assets</p>
<p>Depreciation charge for the period (RAB)</p>	<p>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</p>
<p>Description of transaction</p>	<p>means a brief description of the transaction with a related party, including the goods or services provided to or by the GDB as part of that transaction</p>

Direct billing	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
Disposed asset	has the meaning given set out in paragraph (a) of the defined term in the IM determination
DRS	means district regulator station
Estimated impact of financial incentives on ROI	means- $q = a - b$ where $a = \text{ROI} - \text{comparable to a vanilla WACC}$ $b = \text{ROI} - \text{comparable to a vanilla WACC (excluding financial incentives)}$
Expenditure on non-network assets	means expenditure on assets relating to non-network assets
Easement land	has the meaning set out in the IM determination
Equity return rights	has the meaning set out in the Electricity Industry Act 2010
Expenditure or loss deductible but not in regulatory profit / (loss) before tax	means expenditure or loss deductible but not in regulatory profit / (loss) before tax as determined in accordance with clause 2.3.3(4)(b) of the IM determination
Expenditure or loss in regulatory profit / (loss) before tax but not deductible	means 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
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
Fault	means a physical condition that causes a device, component or network element to fail to perform in the required manner.

Finance during construction	means the cost of financing incurred by a GDB and accumulated during the construction phase of a project that creates a commissioned asset, determined in accordance with clause 2.2.11(2) of the IM determination
Expenses cash outflow	means operational expenditure plus pass through and recoverable costs recognised in information disclosure
Financial incentives	means the net recoverable costs allowed under incremental rolling incentive scheme
Forecast expenditure	means, in relation to: (a) current disclosure year, the forecast expenditure for the current disclosure year disclosed pursuant to subclauses 2.6.5(1) 2.6.5(1)(a) and 2.6.5(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 2.6.5(1) 2.6.5(1)(a) and 2.6.5(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
Gas conveyed for Persons not involved in the GDB (TJ)	means t The total amount of gas conveyed through the network or sub-network for persons not in a prescribed business relationship with the GDB
Grade 1	means the end of serviceable life, immediate intervention required
Grade 2	means material deterioration but asset condition still within serviceable life parameters. Intervention likely to be required within 3 years.
Grade 3	means normal deterioration requiring regular monitoring
Grade 4	means 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

Highest rate of capitalised finance applied	means the highest rate of finance used as the cost of financing capitalised in works under construction
Income included in regulatory profit / (loss) before tax but not taxable	means income included in regulatory profit / (loss) before tax but not taxable as determined in accordance with clause 2.3.3(4)(a) of the IM determination
Income not included in regulatory profit / (loss) before tax but taxable	means income not included in regulatory profit / (loss) before tax that is taxable as determined in accordance with clause 2.3.3(2)(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
Industry levies	means a cost specified in clauses 3.1.2(1)(b)(i) and 3.1.2(2)(b)(i)-(iv) of the IM determination
Initial disclosure year	means the disclosure year 2012
Insurance	means a contract of insurance as defined in the Insurance (prudential Supervision) Act 2010
Input methodology claw-back	means a cost specified in clause 3.1.3(1)(b) of the IM determination
Intermediate pressure (IP)	means an operating pressure greater than 700 kPa but not exceeding 2,000 kPa.
IRR	means internal rate of return
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
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 item	has the meaning given set out in the IM determination
Line valve	means a valve for stopping the flow of gas within a main pipe.
Load factor	means $\frac{a}{12 \times b} \times 100$ where $a =$ total gas conveyed (GJ per annum) on the network or sub-network the amount of gas (in gigajoules) entering the system or systems $b =$ maximum monthly load (GJ per month) on the network or sub-network the maximum monthly amount of gas (in gigajoules) entering the system or systems
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 determined in accordance with the IM determination; — in relation to the RAB, the value of the asset (as determined in accordance with paragraph (a)) which is allocated to gas distribution services in accordance with clause 2.1.1 of the IM determination (b) in relation to the regulatory tax asset base roll forward, means the sum of regulatory tax asset values for found assets less the regulatory tax asset values of lost assets. The definition of 'found assets' and 'lost assets' are outlined in the IM determination

Low Pressure (LP)	means an operating pressure at, or below, 7 kPa.
Market value of asset disposals	means the market value of disposed assets sold or transferred to a related party
Material projects and programmes	means p Projects or programmes with actual or forecast total expenditure greater than the materiality threshold that is developed and applied by the GDB
Maximum daily load (GJ per day)	m Means the maximum amount of gas entering a network, or sub-network in a day during the disclosure year, measured in GJ
Maximum monthly load (GJ per month)	m Means the maximum amount of gas entering a network, or sub-network, in a month during the disclosure year, measured in GJ
Medium pressure (MP)	means an operating pressure above 7 kPa but not exceeding 700 kPa.
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 distribution services. Disclosure of the benefits to gas distribution services is required for the merger and acquisition expenditure to be recognised.
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 2.4.1subpart 4 of part 2 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 2.4.1subpart 4 of part 2 of the IM determination
Mid-year net cash outflows	means expense cash outflow plus assets commissioned less asset disposals plus tax payments 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 subpart 4 of part 2 of the IM determination
Monitoring and control system	means a system, including relocatable devices, that monitors and/or controls the operating state of a network.
Monthly net cash outflows	means expenses cash outflow plus assets commissioned less asset disposals less other regulated income

<p>Monthly ROI – closing RIV</p>	<p>means total closing RAB value less adjustment resulting from cost allocation less lost and found assets adjustment plus closing deferred tax plus revenue related working capital</p>														
<p>Monthly ROI – comparable to a post-tax WACC</p>	<p>means the monthly ROI comparable to the vanilla WACC less the product of the cost of debt (%), the leverage and the corporate tax rate</p>														
<p>Monthly ROI – comparable to a vanilla WACC</p>	<p>means:</p> $q = XIRR(values, dates)$ <p>where:</p> <p><i>XIRR(values, dates) is the excel function that returns an internal rate of return for a schedule of cash flows</i></p> <p>where the schedule of cash flows and timing are-</p> <table border="0"> <thead> <tr> <th><u>Values</u></th> <th><u>Date</u></th> </tr> </thead> <tbody> <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><u>Line charge revenue</u></td> <td>20th of the month following accrual</td> </tr> <tr> <td>- Tax payments</td> <td>182 days before year-end</td> </tr> <tr> <td>- Term credit spread differential allowance</td> <td>Year-end</td> </tr> <tr> <td><u>Closing RIV</u></td> <td>Year-end</td> </tr> </tbody> </table> $q = (1 + \text{monthly IRR})^{12} - 1$ <p>where:</p> <p><i>monthly IRR = IRR (13 monthly amounts)</i></p> <p>where the 13 monthly amounts are:</p> <ul style="list-style-type: none"> • the negative of alternative opening RIV • the 11 end of month notional net cash flows for the first month to the eleventh month of the disclosure year • notional net cash flows for the last month of the disclosure year plus alternative closing RIV less term credit spread differential allowance. 	<u>Values</u>	<u>Date</u>	- Opening RIV	365 before year-end	- Monthly net cash outflows	15 th of the month incurred	<u>Line charge revenue</u>	20 th of the month following accrual	- Tax payments	182 days before year-end	- Term credit spread differential allowance	Year-end	<u>Closing RIV</u>	Year-end
<u>Values</u>	<u>Date</u>														
- Opening RIV	365 before year-end														
- Monthly net cash outflows	15 th of the month incurred														
<u>Line charge revenue</u>	20 th of the month following accrual														
- Tax payments	182 days before year-end														
- Term credit spread differential allowance	Year-end														
<u>Closing RIV</u>	Year-end														
<p>Monthly ROI – opening RIV</p>	<p>means the sum of total opening RAB value plus opening deferred tax plus revenue related working capital</p>														
<p>Name of related party</p>	<p>means the legal name of the related party that has entered into a transaction with the GDB.</p>														

Formatted: Indent: Left: 0 cm

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 opex	means the sum of operational expenditure relating to service interruptions, incidents and emergencies, routine and corrective maintenance and inspection, and asset replacement and renewal

<p><u>Network support</u></p>	<p>means operational expenditure where the primary driver is the management of the network including:</p> <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
<p><u>New allocation</u></p>	<p>means the operating costs or regulated service asset value allocated to gas distribution services in accordance with the new allocator and line items for each of the relevant disclosure years</p>
<p><u>New allocator or line item</u></p>	<p>means the allocator or line items that are used subsequent to the change in allocator or line items</p>
<p><u>No. with age unknown</u></p>	<p><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</u></p>

No. with default dates	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 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 distribution services	means services of the GDB that are not gas distribution services
Non-network opex	means the sum of operational expenditure relating to system operations and 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
Notional deductible interest	has the meaning given set out in clause 2.3.4(2) 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. Posted discounts means a discount to charges payable for the supply of gas pipeline services (a) that is offered by the GDB in a published tariff schedule; and (a) (b) the take-up of which is determined by consumers.
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 with age unknown	means the total quality 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

Number of complaints	<u>means t</u> The number of individual expressions of dissatisfaction formally communicated made by a person to the GDB, related to the GDBs controlled gas business, gas services offered, or the complaint-handling process itself, where a response or resolution is explicitly or implicitly expected.
Number of confirmed public reported gas escapes <u>per/ total length of pipelinesystem length</u> (escapes/1000 km)	<u>means a</u> Any confirmed escape of gas reported to the GDB; excluding third party damage events, leaks detected by routine survey and no traces events. <u>Calculated as</u> $\frac{\text{Number of confirmed public reported escapes of gas}}{\text{total length of pipelinesystem length kms}} \times 1000$. Measurement of PRE will be limited against assets for which the GDB is responsible, i.e. assets upstream of, and including, the customer isolation valve (CIV)
Number of connections (Number of ICPs connected in year by <u>consumer customer group type</u>)	<u>m</u> Means the number of new active ICPs or agreed points of supply, in the disclosure year
Number of directly billed ICPs (at year end)	<u>m</u> Means the number of customer connections -the GDB bills directly, as at the end of the disclosure year
Number of emergencies	<u>means t</u> The sum of the number of following events: An unplanned escape and/or ignition of gas that requires the active involvement of any emergencies service (i.e., fire service, ambulance); or an unplanned disruption in the supply of gas that affects more than five ICPs; or the need to evacuate premises as the result of escape or ignition of gas
Number of ICPs (at year end)	<u>means t</u> The number of active ICPs or agreed points of supply, as at the end of the current disclosure year
Number of leaks detected by routine survey <u>per/ total length of pipelinesystem length</u> (leaks/1000 km)	<u>means the n</u> Number of leaks detected on system by routine network survey <u>Calculated as</u> $\frac{\text{Number of leaks detected on the network by routine network survey}}{\text{system length total length pipeline in kms}} \times 1000$.

Number of non-compliant odour tests	means the The number of tests where gas does not comply with the New Zealand Standard on Gas detection and odourisation
Number of poor pressure events due to network causes	means the n Number of confirmed unplanned incidents where delivery pressure drops below target levels within a pressure system. Incidents caused by low gate station pressure and third party damage events to the network should be excluded.
Number of telephone calls to emergency numbers answered within 30 seconds per/ total number of calls	means the n Number of calls to the emergency number answered within 30 seconds per/ total number of calls to the emergency number
Number of third party damage events per total length of pipelinesystem length (events/1000 km)	means equal to the { number of third party damage events } divided by {total length of pipelinesystem length kms} multiplied by 1000
Number of unplanned outage events	means the number of unplanned interruptions that affect more than 5 ICPs
Number of unplanned outage events caused by third party damage (interruptions that affect more than 5 customers)	m Means the number of unplanned interruptions that affect more than 5 ICPs caused by a third party event and excludes interruptions caused by related parties or contractors in the service of the GDB
Number with age unknown	means the total quality 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
Opening deferred tax	has the meaning given set out in the IM determination

<u>Opening RAB (tax value)</u>	<u>means the sum of regulatory tax asset values for assets included in the total opening RAB value</u>
Opening RIV	means the sum of total opening RAB values plus opening deferred tax
<u>Opening sum of RAB values without revaluations</u>	<u>means the sum of opening RAB values as determined in accordance with the IM determination, calculated as if no amount of revaluation calculated under IMs following the determination of the initial RAB had been included in the calculation of any of those opening RAB values.</u>
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 2.3.9(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 unamortised initial differences in asset values	has the meaning given to that term in clause 2.3.5(2) of the IM determination
Opening value of fully depreciated, disposed and lost assets	means <ul style="list-style-type: none"> (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

<p>Opening weighted average remaining useful life of relevant assets (years)</p>	<p>means</p> $\frac{a}{b} = a - b$ <p>where:</p> <p><u>a =</u> the 2010 weighted average remaining asset life of assets included in the 2010 opening unamortised initial differences in asset values calculated by using the 2010 opening unamortised initial difference in asset values as weights, where positive differences have a positive weighting and negative differences have a negative weighting and remaining asset life is the remaining asset life as defined in the IM determination or remaining tax life where the remaining asset life is nil.</p> <p><u>b =</u> disclosure year less 2010</p>
<p>Operating surplus / (deficit)</p>	<p>means total regulatory income less operational expenditure less pass through and recoverable costs recognised in information disclosure</p>
<p>Original allocation</p>	<p>means the operational expenditure -or regulated service asset values allocated to gas distribution services in accordance with the allocations and line items made in the previous disclosure years</p>
<p>Original allocator or line items</p>	<p>means the allocator or line items that were used prior to the change in allocator or line items</p>
<p>Original requirements</p>	<p>means the Gas (Information Disclosure) Regulations 1997</p>
<p>Original tenor</p>	<p>means:</p> <p>(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;</p> <p>(b) where the qualifying debt or non-qualifying debt is issued to a related party, the shorter of the-</p> <p>(i) the tenor of the qualifying debt; or the tenor of the qualifying debt; or</p> <p>(ii) the period from the qualifying debt's issue date to the earliest date on which its repayment is or may be required</p>

Other adjustments to the RAB tax value	<p>means</p> $q = a - (b + c - d + e - f - g)$ <p>where:</p> <p><i>a</i> = closing <u>sum of regulatory tax asset values</u>RAB (tax value)</p> <p><i>b</i> = opening <u>sum of regulatory tax asset values</u>RAB (tax value)</p> <p><i>c</i> = regulatory tax asset value of assets commissioned</p> <p><i>d</i> = regulatory tax asset value of asset disposals</p> <p><i>e</i> = tax depreciation</p> <p><i>f</i> = lost and found assets adjustment</p> <p><i>g</i> = adjustment resulting from asset allocation</p>
<u>Other assets</u>	<u>means other network assets that are not monitoring and control systems or cathodic protection systems</u>
<u>Other network assets</u>	<u>means network assets used by the GDB to provide gas distribution services that are not intermediate pressure main pipe, medium pressure main pipe, low pressure main pipe, service pipe, stations, line valves, or special crossings</u>
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
<u>Other reliability, safety and environment</u>	<u>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 GDB's environmental policies.</u>
<u>Other specified pass-through costs</u>	<u>means costs identified in clause 3.1.2(1)(b) of the IM determination</u>
<u>Outage event</u>	<u>means any unplanned interruption that affects more than 5 customers</u>
OVABAA allocation increase	has the meaning <u>given set out</u> in the IM determination

Field Code Changed

Field Code Changed

Pass through and recoverable costs recognised in information disclosure	means the sum of rates, Commerce Act levies, industry levies and CPP specified pass through costs
Pipeline length	The total length of pipeline (in kilometres) that form the network as at the end of the current disclosure year
Poor pressure event	means a confirmed unplanned incident where delivery pressure drops below target levels within a pressure system. Third party damage events to the network should be included, but incidents cause by low gate pressure should be excluded
Posted discounts	means a discount to charges payable for the supply of gas pipeline services i) that is offered by the GDB in a published tariff schedule; and ii) the take up of which is determined by consumers
Pressure systems	means a configuration of connected pipes and fittings, at the same nominal operating pressure, used for the conveyance of gas
Previous years' incremental gain/(loss)	-means the incremental change and -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 GDB that uniquely identifies a consumer group for an ICP
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 givenset-out in paragraph (a) of the defined term in clause 1.1.4(2) of the IM determination
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	has the meaning set out in the IM determination
Recoverable customised price-quality path costs	means a cost specified in clause 3.1.3(1)(c),(d),(e),(f) or (g) of the IM determination
Regions	means the portions of the network to which each posted standard price schedule applies
Regulated service	has the meaning givenset out in the IM determination
Regulated supplier	has the meaning givenset-out in the IM determination
Regulatory investment value	means opening regulatory investment value
Regulatory net taxable income	has the meaning givenspecified in clause 2.3.1(2) of the IM determination
Regulatory period	has the meaning givenset-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	<p>means the value of q calculated using the following formula:</p> $q = a - b + c$ <p>where:</p> <p>a = operating surplus / (deficit)</p> <p>b = total depreciation</p> <p>c = total CPI revaluations</p>
Regulatory tax allowance	has the meaning givenset-out in clause 2.3.1 of the IM determination
Regulatory tax asset value	has the meaning givenset-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
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 givenset-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
Research and development	<p>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:</p> <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 GDB representative until the GDB's personnel arrives at the location of the emergency.
Revaluation rate	has the meaning givenset-out in the IM determination

Revenue-related working capital	<p>means for:</p> <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												
ROI <u>–</u> comparable to a post-tax WACC	means the ROI comparable to the vanilla WACC less the product of the cost of debt assumption(%), the leverage and the corporate tax rate												
ROI <u>–</u> comparable to a vanilla WACC	<p>means:</p> $q = XIRR(values, dates)$ <p>where: <u>XIRR(values, dates) is the excel function that returns an internal rate of return for a schedule of cash flows</u></p> <p>where the schedule of cash flows and timing are-</p> <table border="0"> <thead> <tr> <th><u>Values</u></th> <th><u>Date</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> $q = (1 + \text{half-yearly IRR})^2 - 1$ <p>where: half-yearly IRR = IRR (3 half-yearly amounts)</p> <p>where the 3 half-yearly amounts are: the negative of opening RIV (year-start) notional net cash flows (mid-year) the closing RIV less term credit spread differential allowance (year-end).</p>	<u>Values</u>	<u>Date</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>Values</u>	<u>Date</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>												

<p>ROI – comparable to a vanilla WACC (excluding financial incentives)</p>	<p>means:</p> $q = XIRR(values, dates)$ <p>where:</p> <p><i>XIRR(values, dates) is the excel function that returns an internal rate of return for a schedule of cash flows</i></p> <p>where the schedule of cash flows and timing are-</p> <table border="0"> <thead> <tr> <th><u>Values</u></th> <th><u>Date</u></th> </tr> </thead> <tbody> <tr> <td>- Opening RIV</td> <td><u>365 days before year-end</u></td> </tr> <tr> <td>- Mid-year net cash outflows plus financial incentives multiplied by the corporate tax rate</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>- Term credit spread differential allowance</td> <td><u>Year-end</u></td> </tr> <tr> <td><u>Closing RIV</u></td> <td><u>Year-end</u></td> </tr> </tbody> </table>	<u>Values</u>	<u>Date</u>	- Opening RIV	<u>365 days before year-end</u>	- Mid-year net cash outflows plus financial incentives multiplied by the corporate tax rate	<u>182 days before year-end</u>	<u>Line Charge revenue less financial incentives</u>	<u>148 days before year-end</u>	- Term credit spread differential allowance	<u>Year-end</u>	<u>Closing RIV</u>	<u>Year-end</u>
<u>Values</u>	<u>Date</u>												
- Opening RIV	<u>365 days before year-end</u>												
- Mid-year net cash outflows plus financial incentives multiplied by the corporate tax rate	<u>182 days before year-end</u>												
<u>Line Charge revenue less financial incentives</u>	<u>148 days before year-end</u>												
- Term credit spread differential allowance	<u>Year-end</u>												
<u>Closing RIV</u>	<u>Year-end</u>												
<p>Routine expenditure</p>	<p>means expenditure on non-network assets that are not atypical expenditure</p>												
<p>SAIDI (System Average Interruption Duration Index)</p>	<p>means $\frac{\{(Sum\ of\ (unplanned\ interruption\ durations) - Sum\ of\ (unplanned\ interruption\ durations\ caused\ by\ transmission\ faults)\}}{average\ total\ ICP\ numbers} \times 1000$</p>												
<p>SAIFI (System Average Interruption Frequency Index)</p>	<p>means $\frac{\{Sum\ of\ (no\ of\ ICPs\ affected\ by\ each\ unplanned\ interruption\ not\ caused\ by\ transmission\ faults)\}}{average\ total\ ICP\ numbers} \times 1000$</p>												
<p>Secondary assets</p>	<p>means system fixed assets that support the conveyance of gas. Secondary assets include monitoring & control systems and cathodic protection systems</p>												
<p>Self-insurance allowance</p>	<p>means any self-insurance allowance allowed by the Commission through a CPP</p>												

<p>Service interruptions, incidents and emergencies</p>	<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>
<p>Standard consumer</p>	<p>means a consumer of the GDB that has a standard contract with that GDB for the provision of gas pipeline services</p>
<p>System length (km) (at year end)</p>	<p>means the total length of pipeline (in kilometres) that forms the network as at the end of the current disclosure year</p>
<p>System operations and network support</p>	<p>In relation to expenditure, means operational expenditure where the primary driver is the management of the network and includes expenditure relating to control centre and office-based system operations, including:</p> <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

Formatted: Font: Not Bold

Formatted: Font: Not Bold

Formatted: Font: Not Bold

Formatted: Font: Not Bold

Formatted: Font: Not Bold

Formatted: Font: Not Bold

Formatted: Font: Not Bold

	<ul style="list-style-type: none"> • connection and customer records/customer management databases (including embedded generators) • 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, embedded generators • engineering and technical consulting • <u>network planning and system studies</u> • logistics (procurement) and stores • <u>network asset site expenses and leases</u> • <u>Route/easement management (including locating pipelines for third parties, mark cuts, stand-overs, obstructions, plans and permits)</u> • <u>surveying of new sites to identify work requirements</u> • <u>engineering/technical consulting services (excluding costs capitalised for capital projects)</u> • <u>contractor/contracts management (excluding costs capitalised for capital projects)+</u> • <u>transmission operator liaison and management</u> • <u>network related research and development</u>
Tax depreciation	has the meaning <u>giveset out</u> in clause 2.3.8(3) of the IM determination
Tax effect	has the meaning <u>giveset out</u> 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 amortisation of initial differences in asset values	means the tax effect of amortisation of initial differences in asset values, using the definition of “tax effect” and “amortisation of initial difference in asset values” in this schedule

Formatted: Font: Not Bold

Formatted: Font: Not Bold

Tax effect of other temporary differences	means the tax effect of positive temporary differences less negative temporary differences but excluding deferred tax balances relating to assets disposed in the disclosure year . Positive temporary differences and negative temporary differences have the meanings givenset-out in clause 2.3.8(4) and (5) of the IM determination
Tax effect of total tax depreciation	means the tax effect of tax depreciation using the definitions of “tax effect” and “tax depreciation” in this schedule
Tax payments	means regulatory tax allowance plus the decrease in deferred tax recognised proportionally to how the GDB 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 givenset-out in the IM determination
Term credit spread differential allowance	has the meaning givenset-out in the IM determination
Third party damage event	means an event where a third party has caused damage requiring repair to the network or associated equipment <i>(Note: third party damage excludes damage caused by related parties or by contractors in the service of the GDB)</i>
Total attributable to GPBs regulated service	means the sum of directly attributable costs or assets and not directly attributable costs or assets that are attributable to gas distribution pipeline 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: (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: (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 (GJ per annum)	means the amount of gas entering a network, or sub-network, in the disclosure year, measured in GJ
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- 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 network	has the same meaning as in 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
Unallocated initial RAB value	means the values of assets as determined in accordance with clause 2.2.3(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
Unregulated services	has the meaning set out in the IM determination
Utilised tax losses	has the meaning given set out in paragraph (a) of the defined term in the IM determination
Value of commissioned assets	means the value of ‘commissioned assets’
Value of transaction	means the value of the related party transaction as determined in accordance with clauses 2.3.6 and 2.3.7 5 of section 2.3 of this determination

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 Determination
Weighted average pipe diameter (mm)	means t The weighted average pipe diameter, expressed in millimetres, based on the length of pipeline that form the network
Weighted average remaining asset life	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 given set out in the IM d Determination
Works under construction	<p>means:</p> <p>(a) in relation to unallocated works under construction, the value of calculated using the following formula:</p> $\underline{q} = a + b - c + d$ <p>where:</p> <p>a = unallocated works under construction – preceding disclosure year</p> <p>b = unallocated capital expenditure</p> <p>c = unallocated assets commissioned</p> <p>d = _____ adjustment resulting from cost allocation</p> <p>(b) in relation to allocated works under construction, the value (as determined in accordance with paragraph (a)) which was allocated to gas pipeline services in accordance with clause 2.1.1 of the IM determination</p> <p>(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 determination</p>
<u>Year-end ROI – comparable to a post tax WACC</u>	<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><u>Year-end ROI – comparable to a vanilla WACC</u></p>	<p>means:</p> $\frac{a}{b + (c \times .05)}$ <p>where: <u>a</u> = <u>Regulatory profit / (loss)</u> <u>b</u> = <u>Opening RIV</u> <u>c</u> = <u>Assets commissioned</u></p>
<p><u>Year change made</u></p>	<p>means:</p> <p>(a) in relation to assets or groups of assets where depreciation is included in depreciation – no standard life asset, the year the asset was acquired;</p> <p>(b) in relation to assets or groups of assets where depreciation is included in depreciation – modified life assets, the year the asset life was modified;</p> <p>(c) 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</p>

Schedule 17: Certification for Year-beginning Disclosures

Clause 2.9.1

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

(a) the following attached information of [name of GDB] prepared for the purposes of clause 2.6.1, ~~subclause 2.6.3(3)~~~~2.6.3(2)(b)~~, ~~clauses 2.6.5~~~~2.6.5(2)1~~ and 2.7.2 *~~[and subclause 2.13.1(1)(b)~~~~2.12.8(1)(b)]~~ of the Gas Distribution Information Disclosure Determination 20125 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.

~~(b)(c)~~ The forecasts in Schedules 11a, 11b, 12a, 12b and 12c are based on objective and reasonable assumptions which both align with [name of GDB]'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

- 1 We, [insert full names], being directors of [name of GDB] certify that, having made all reasonable enquiry, to the best of our knowledge:
 - (a) the following attached information of [name of GDB] prepared for the purposes of clause 2.4.1 of the Gas Distribution Information Disclosure Determination 2012~~5~~ in all material respects complies with that determination.
 - (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

- 1 We, [insert [full](#) names], being directors of [name of GDB] 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, ~~and 2.3.2, clauses 2.4.21, and 2.4.22, clauses 2.5.1, and 2.5.2, and clauses 2.7.1 and 2.12.22.7.3~~ of the Gas Distribution Information Disclosure Determination 20125 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, 14a and 14b~~ has been properly extracted from the [name of GDB]'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 GDB]'s corporate vision and strategy and are documented in retained records.~~

*[In respect of related party costs and revenues recorded in accordance with [sub](#)clauses 2.3.6(1) (when valued in accordance with clause 2.2.11(5)(h)(ii) of the Gas Distribution Services Input Methodologies Determination 2010), 2.3.6(2)(f) and 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

~~1 We, [insert names], being directors of [name of GDB] certify that, having made all reasonable enquiry, to the best of our knowledge the information, prepared for the purposes of clauses 2.10.12.10.1, 2.12.2, 2.12.3 and 2.12.5 of the Gas Distribution Information Disclosure Determination 2012 in all material respects complies with that determination.~~

~~[Signatures of 2 directors]~~

~~[Date]~~