

Decision No. [XXX]

Draft Commerce Act (Electricity Distribution Services Information Disclosure) Determination 2012

Draft Electricity Distribution Services Information Disclosure Determination under Part 4 of the Commerce Act 1986.

The Commerce Commission:

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Summary of the determination: Under Part 4 of the Commerce Act 1986, the Commerce Commission has determined information disclosure requirements that apply to electricity distribution businesses.

This determination is currently in draft form and is intended for consultation purposes only. Following submissions on this draft determination, a final determination will be made. This is expected to occur by the end of May 2012.

Date of Decision: [xx xxxxxx 2012]

COMMERCE ACT (ELECTRICITY DISTRIBUTION SERVICES INFORMATION DISCLOSURE) DETERMINATION 2012

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

PART 1 GENERAL PROVISIONS

1.1 TITLE

1. This determination is the Commerce Act (Electricity Distribution Services Information Disclosure) Determination 2012.

1.2 COMMENCEMENT DATE

1. This determination comes into force on [].

1.3 APPLICATION

1. This determination applies to **electricity distribution businesses** as suppliers of regulated goods and services under Part 4 of the **Act**.

1.4 INTERPRETATION

1. In this determination, unless the context otherwise requires—
 - 1.1 Terms in bold type have the meaning given to those terms in this section 1.4;
 - 1.2 terms used in this determination that are defined in the **Act** but not in this determination, have the same meanings as in the **Act**;
 - 1.3 terms used in this determination that are defined in the **IM determinations** but not in this determination have the same meanings as in the **IM determinations**;
 - 1.4 a word which denotes the singular also denotes the plural and vice versa;
 - 1.5 an obligation to do something is deemed to include an obligation to cause that thing to be done;
 - 1.6 financial items must be measured and disclosed in accordance with **GAAP** unless otherwise required in this Determination;
 - 1.7 non-financial items must be measured and disclosed in accordance with standard industry practice unless otherwise required in this Determination.
2. If there is any inconsistency between the main body of this determination (this includes the appendices) and any schedule to this determination, the main body of this determination prevails.

3. In this determination, including in the schedules, the words or phrases in bold type bear the following meanings:

% Variance

means:

$$q = \frac{a-b}{b} \times 100$$

where:

a = **actual expenditure**

b = **forecast expenditure**

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**

2008 requirements

means the Electricity Distribution (Information Disclosure) Requirements 2008 issued 31 October 2008

2009 disclosed asset

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

A

Act

means the Commerce Act 1986

Actual controllable opex

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

Actual expenditure

means, in relation to:

- (a) any **disclosure year**, expenditure for the that **disclosure year**
- (b) **regulatory period**, expenditure for the **disclosure years** from the start of the **regulatory period** to the current

Adjusted depreciation	disclosure year has the meaning 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 applying 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 disclosure year
Adjustment resulting from asset allocation	means <ul style="list-style-type: none"> (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 (b) in all other instances, the value of q calculated using the following formula: $q = a - b - c + d + e - f + g$ where: <ul style="list-style-type: none"> a = total closing RAB value b = total opening RAB value c = total depreciation d = total CPI revaluations e = assets commissioned f = asset disposals g = lost and found assets adjustment

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**;

Adjustment to reinstate 2009 modified asset values to unallocated amounts	means the value of the adjustment required to the 2009 modified asset values so the resultant value represents the unallocated 2009 modified asset values
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 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
Allocator type	has the meaning set out in the IM determination
Allocator metric	has the meaning set out in the IM determination
Allowed controllable opex	has the meaning set out in the IM determination
Alternative closing RIV	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
Alternative opening RIV	means the sum of total opening RAB value plus opening deferred tax plus revenue related working capital
Alternative ROI – comparable to a post-tax WACC	means the alternative ROI comparable to the vanilla WACC less the product of the cost of debt (%) , the leverage and the corporate tax rate
Alternative ROI – comparable to a vanilla WACC	means: <div style="text-align: center;"> $q = (1 + \text{monthly IRR})^{12} - 1$ </div> <p>where: <i>monthly IRR</i> = IRR (13 monthly amounts)</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 April to February of the assessment period

	<ul style="list-style-type: none"> • notional net cash flows for March for the assessment period plus alternative closing RIV less term credit spread differential allowance.
Amortisation of initial differences in asset values	has the meaning set out in paragraph (a) of the defined term in the IM determination
Amortisation of revaluations	has the meaning set out in paragraph (a) of the defined term in the IM determination
AMP	means asset management plan
AMP planning period	has the meaning specified in clause 3.4 of Appendix A to this determination
AMP update	has the meaning specified in clause 4 of section 2.5 of this determination
Arm's-length deduction	has the meaning set out in the IM determination
Asset category	means any of the following: subtransmission, zone substation, distribution and LV lines, distribution and LV cables, distribution substations and transformers, distribution switch gear, other system fixed assets or other assets
Asset category transfers	means the value of an asset transferred between asset categories
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 the input methodologies identified as 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 electricity distribution services in accordance with clause 2.1.1 of the IM determination
Asset disposals (other)	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 management plan	has the meaning specified in clause 1 of section 2.5 of this determination
Asset or assets with non-standard depreciation	means a description of assets or groups of assets where depreciation is not included in Depreciation – standard
Asset relocations	means gross capital expenditure 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 may include the undergrounding of previously over ground assets at the request of a third party
Asset replacement and renewal	means gross capital expenditure where the primary driver is maintaining asset integrity to maintain the existing asset performance experienced by consumers . This category includes activities to replace or refurbish/renew assets as a result of the obsolescence of network assets or as a result of their economic, physical, safety or environmental performance (i.e., to meet prudent operator standards). This includes preventative replacement expenditure (consistent with asset life cycle management policies). It also includes expenditure associated with the ongoing physical security of the assets, supervisory control and data acquisition (SCADA) and telecommunications.
Assets acquired from a regulated supplier	means: <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 electricity distribution services in accordance with clause 2.1.1 of the IM

determination

Assets acquired from a related party

means:

- (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**, means the sum of value of the assets (as determined in accordance with paragraph (a)) which is allocated to the **electricity distribution services** in accordance with clause 2.1.1 of the **IM determination**

Assets commissioned

means:

- (a) in relation to the **unallocated RAB** or **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**, the value of the assets (as determined in accordance with paragraph (a)) which is allocated to the **electricity 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**

Assets not used to supply electricity distribution services

means the value of assets identified in sub-clause (a) of the definition of **excluded asset** in the **IM determination**

Associates

in relation to the definition of **involved in**, has the meaning set out in the Electricity Industry Act 2010

Attribution rate

means: $q = \frac{a \times b}{c}$

where:

a = **average opening and closing RAB values**

b = a leverage rate of 44%

c = **total book value of interest bearing debt**

Atypical	11 means ‘one-off’ or ‘exceptional’ costs incurred as a result of events outside management control
Audited disclosure information	means information disclosed under any of subclauses 1.1, 10.1, 10.2 of section 2.3, clauses 19 and 20 of section 2.4, subclauses 6.1.1 and 6.1.2 of section 2.5 and subclauses 1.1 and 1.2 of section 2.10 of this determination
Average opening and closing RAB values	means; $q = \frac{a+b}{2}$ <p>where: a = Total opening RAB values b = Total closing RAB values</p>
Avoided transmission charge	means a cost specified in clause 3.1.3(1)(e) or (f) of the IM determination
B	
Basis for determining Value	means the basis for determining the value of the related party transaction in accordance with clause 7 of section 2.3 of this determination
Book value	means: (a) in relation to the issue date , the book value in New Zealand dollars of a qualifying debt or non-qualifying debt on the issue date (b) in relation to the date of financial statements, the book value in New Zealand dollars of a qualifying debt or non-qualifying debt as at the end of the period of the EDB’s latest general purpose financial statements
Business support	means operational expenditure associated with the following corporate activities: <ul style="list-style-type: none"> • HR and training (other than operational training) • finance and regulation including compliance activities, valuations and auditing

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- CEO and director costs
- legal services
- consulting services (excl. engineering/technical consulting)
- property management
- corporate communications
- corporate IT
- industry liaison and participation
- commercial activities including pricing, marketing, liaison with **customers** and **electricity retailers**
- revenue collection (excluding **direct billing**)

C

CAIDI (Customer (Connection Point) Average Interruption Duration Index)

means the average forced sustained interruption duration per Interruption per year (measured in minutes). **Connection point** numbers are to be the average for the **disclosure year**

Capital contributions

has the meaning 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 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

	<p>commissioned relating to the RAB; and</p> <p>(iii) that are as a result of related party transactions;</p> <p>(c) in all other instances, costs:</p> <p>(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</p> <p>(ii) that are included or are intended to be included in the value of assets commissioned relating to the RAB</p>
Circuit length	includes all lines and cables with the exception of services, street lighting, and private lines (and, when a pole or tower carries multiple circuits, the length of each of the circuits is to be calculated individually).
Circuit length by operating line voltage	means the cumulative length of overhead and/or underground circuit that is operating at the nominated voltage. Where a circuit is operating at a voltage that is not listed in schedule 18, the associated length of circuit kilometres should be allocated to the nearest operating voltage. Communications and dedicated street lighting circuits should not be included unless explicitly identified
Circuit peak demand	means the peak demand on the circuit during the disclosure year measured in MVA (apparent power expressed in million volt-amps)
Circuit rating	means the expected maximum capacity of the circuit measured in MVA
Closing deferred tax	has the meaning set out in clause 2.3.7(2) of the IM determination
Closing RAB (tax value)	means the sum of regulatory tax asset value 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	<p>means:</p> <p>(a) in relation to assets or groups of assets where depreciation is included in depreciation - no standard life asset, 'not applicable'</p> <p>(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 proceeding 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</p>
Closing RIV	means total closing RAB values less adjustment resulting from cost allocation less lost and found assets adjustment plus closing deferred tax
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
Commission	means the Commerce Commission
Commissioned	has the meaning set out in the IM determination
Community trust	has the meaning set out in s 54D(2) of the Act
Connection point	see the definition of ICP
Consumer	has the meaning set out in the Act
Consumer-controlled	means an EDB that is a community trust , customer co-operative , or customer trust or is controlled by 1 or more such community trust , customer co-operative , or customer trust ; and, for the purposes of this definition, a EDB is

controlled by 1 or more such **community trust**, **customer co-operative**, or **customer trust** if it or they together directly or indirectly—

- (a) control the composition of the board or other governing body of the **EDB**; or
- (b) are in a position to exercise, or control the exercise of, more than one-half the maximum number of votes that can be exercised at a meeting of the shareholders or members or beneficiaries of the **EDB**; or
- (c) hold more than one-half of the issued capital of the **EDB**; or
- (d) are entitled to receive more than one-half of every dividend or other distribution paid by the **EDB**

Consumer group

means the category of **consumers** used by the **EDB** 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

Control rights

has the meaning set out in the Electricity Industry Act 2010

Controlling consumers

in relation to a **consumer-controlled EDB**, means all the income beneficiaries or shareholders, as the case may be, of the **community trusts**, **customer co-operatives**, or **customer trusts** that constitute or control that **EDB**

Corporate tax rate

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

Correct asset register errors for 2004 ODV assets

means the value of corrections to the 2004 ODV asset values determined in accordance with clause 2.2.1(1)(b) of the **IM**

Correct asset register errors for 2005 – 2009 assets

determination

means the value of corrections to assets that were commissioned in 2005 – 2009 determined in accordance with clause 2.2.1(2)(b) of the **IM determination**

Cost of debt assumption

means the sum of the risk free rate and debt premium estimates as published by the **Commission** in accordance with clauses 5.3.22 to 5.3.32 of the **IM determination** for each **disclosure year**

Cost of executing an interest rate swap

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

Coupon rate

means:

- (a) where the information is available publicly, the nominal coupon rate of interest of a **qualifying debt** on the **issue date**;
- (b) where the nominal coupon rate of interest of a **qualifying debt** on the **issue date** is not available publicly, either the nominal coupon rate of interest or the basis for determining the nominal coupon rate of interest of a **qualifying debt** on the **issue date**

CPI₄

has the meaning set out in clause 2.2.9(4) of the **IM determination**

CPI₄⁻⁴

has the meaning set out in clause 2.2.9(4) of the **IM determination**

CPP

means customised price-quality path

Current period tax losses

has the meaning given to that term in clause 2.3.2(5) of the **IM determination**

Customer connection

in relation to expenditure, means **gross capital expenditure** where the **primary driver** is the connection of new connection points to the **network** or alterations to the connection of existing **connection points** where the expenditure relates to connection assets. This includes distribution transformer and connections for distributed generators

Customer co-operative

has the meaning set out in s 54D(2) of the **Act**

Customer trust

has the meaning set out in s 54D(2) of the **Act**

CY, CY-X or CY+X

means

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

D

Data accuracy	in relation to disclosures of asset register quantities, asset register additions, disposals and relocations, asset health, and asset life, means an estimate of the accuracy of the data and is expressed as a whole number between 1 and 4 where '4' means 'accurate' and '1' means 'unreliable'
Debt issue cost readjustment	has the meaning set out in clause 2.4.11(4) of the IM determination
Dedicated street lighting circuit length	means the length in kilometres of electrical lines or cables where the primary purpose of the lines or cables is the provision of street lighting services. 5-wire circuits and circuits where the primary purpose is the distribution of electricity for non-street lighting purposes must not be included
Deferred tax balance relating to assets acquired in the disclosure year	has the meaning 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 EDB
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	means: <ul style="list-style-type: none"> (a) in relation to the unallocated RAB, the sum of unallocated depreciation calculated in accordance with clause 2.2.6 of the IM determination; (b) in relation to the RAB, depreciation calculated in accordance with clause 2.2.6 or 2.2.8(4) of the IM determination
Depreciation - modified life	means:

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assets

- (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**;
- 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**

Depreciation - no standard life assets

means:

- (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**;
- 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**

Depreciation - standard

means:

- (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**;
- excluding **depreciation - alternative**

Depreciation charge for the period (RAB)	<p>depreciation in accordance with CPP, depreciation - modified life assets, and depreciation - no standard life assets 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 EDB as part of that transaction</p>
Direct billing	<p>means operating expenditure associated with providing a direct billing service direct to the end consumer. This includes billing services, associated customer call centres, and customer account management</p>
Directly attributable	<p>has the meaning set out in the IM determination</p>
Director	<p>has the meaning set out in the IM determination</p>
Disclosure year	<p>means the 12 month period ending on 31 March of the year the disclosure relates or if the term disclosure year is proceeded by a year, the 12 month period ended on 31 March of that year</p>
Discretionary discounts and customer rebates	<p>means the sum of the value of:</p> <ul style="list-style-type: none"> (a) any discounts of prices, including any forgiveness of charges, given to controlling consumers during the disclosure year; (b) payments or credits calculated in respect of electricity distribution services already supplied, or other payment or credit in recognition of the customer relationship but excluding any amounts included in (a); and (c) any exemption from payment of prices assigned to controlling consumers during the disclosure year, but excluding: <ul style="list-style-type: none"> (i) any amounts included in (a) or (b); and (ii) any discounts to price payable for electricity distribution services where those discounts are offered by way of

published tariff schedules, whose take-up value is determined by **consumers**

Disposed asset	has the meaning set out in paragraph (a) of the defined term in the IM determination
Distribution and LV cables	means all power cables operated at distribution voltage or low voltage , excluding any pilot or communications cables associated with subtransmission assets
Distribution and LV lines	means all overhead power lines operated at distribution voltage or low voltage
Distribution line charge revenue	means gross line charge revenue that is not transmission line charge revenue
Distribution substations and transformers	means <ul style="list-style-type: none"> (a) transformers used to convert distribution voltage to low voltage; and (b) distribution substations, including all poles, ground pads and covers, and kiosks and components used to install the transformers referred to in (a) For the purpose of RAB disclosure this excludes distribution switchgear installed at distribution substations but includes surge arrestors
Distribution switchgear	means all switchgear operated at distribution voltage . This includes disconnectors, fuses (including drop outs and fuse switches), circuit breakers, reclosers, sectionalises, ring main units and voltage regulators. For the purpose of RAB , the value of the switchgear includes the value of protection and controls equipment installed on the switchgear
Distribution transformer capacity (EDB owned)	means the sum of the name-plate ratings (kVA capacity) of EDB -owned distribution transformers connected to the EDB's network , divided by 1000 (meaning that the sum is disclosed in MVA). Transformer capacity should represent the long-term operating capacity of the transformer as it is installed, not the emergency or short-term ratings. Ratings uplift due to oil, air or other installed and operating cooling mechanisms should be included in this measure. Transformers that are not energised (e.g. spares) must not be included.

Distribution transformer capacity (non-EDB owned, estimated)

Transformers that supply **connection points** that are directly connected to the **subtransmission** system of the **EDB's network** should not be included

means the **EDB's** estimate of the sum of the name-plate ratings (kVA capacity) of non-EDB owned distribution transformers connected to the **EDB's network**, divided by 1000 (meaning that the sum is disclosed in MVA). This should include the transformer capacity of embedded **networks**. Transformer capacity should represent the long-term operating capacity of the transformer as it is installed, not the emergency or short-term ratings. Ratings uplift due to oil, air or other installed and operating cooling mechanisms should be included in this measure. Transformers that are not energised (e.g. spares) must not be included.

Transformers that supply **connection points** that are directly connected to the **subtransmission** system of the **EDB's network** should not be included

(Note: EDBs should make reasonable enquiries in order to obtain this estimate, where it is not already known)

Distribution voltage

means the nominal voltages greater than 1 kV and up to and including 22kV. Distribution voltage also includes **SWER** voltage systems.

E

Easement land

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

EDB

means a supplier of **electricity distribution services**

Electricity distribution services

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

Electricity exports to GXPs

the volume of electricity (measured over the **disclosure year**) that is exported from the **EDB's network** into the **transmission system** through a GXP

Electricity lines services

has the meaning set out in s 54C of the **Act**

Electricity losses (loss ratio)	means (for electricity losses) electricity entering system for supply to customers' connection points less electricity supplied to customers' connection points and (for the loss ratio) is electricity losses divided by electricity entering system for supply to customers' connection, expressed as a percentage. Non-metered energy supplied should be estimated. <i>(Note: the resulting loss ratio will comprise both technical and non-technical losses)</i>
Electricity retailer	means a person who supplies electricity to another person(s) for any purpose other than for re-supply by the other person(s)
Electricity supplied from embedded generators	means the net volume of electricity supplied into the EDB's network from embedded generators, excluding any energy generated and consumed at the same site
Electricity supplied from GXP s	means the volume of electricity supplied into the EDB's network through transmission grid exit points
Electricity supplied to customers' connection points	the volume of electricity supplied through the EDB's network to connection points , as measured at connection points
Embedded distribution network	means a network that is connected to the disclosing EDB's network , is not directly connected to the national grid, and is owned by an EDB that is not the disclosing EDB
Embedded generation output at HV and above	means the numerical sum of the maximum output of all directly connected generation including embedded, distributed and cogeneration facilities on the EDB's network (measured in megawatts (MW) where there is a positive injection of energy into the network), but includes only generation that is metered with half-hourly metering and which is connected at the HV level and above (that is, which is connected to the HV or subtransmission system, and is not connected through distribution transformers)
Embedded generation output—connected to subtransmission system	means the numerical sum of the maximum output of all directly connected generation including embedded, distributed and

	<p>cogeneration facilities on the EDB's network (measured in megawatts (MW) where there is a positive injection of energy into the network), but includes only generation that is metered with half-hourly metering and which is connected at the subtransmission level. (For the avoidance of doubt, this amount is included in the disclosure of embedded generation output at HV and above)</p>
Equity return rights	<p>has the meaning set out in the Electricity Industry Act 2010</p>
Estimated controlled load shed at time of maximum system demand	<p>means an estimate, to be determined by the EDB based on controlled load analysis and records of dispatch instructions for load control, of the amount (in MW) of load that was shed at the time of the maximum system demand</p>
Expenditure or loss deductible but not in regulatory profit / (loss) before tax	<p>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</p>
Expenditure or loss in regulatory profit / (loss) before tax but not deductible	<p>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</p>
Expenses	<p>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</p>

F

Fault	<p>[TBC – technical consultation]</p>
FDC allowance of 2.45%	<p>means the increase in value in assets resulting from assets being multiplied by 1.0245 in accordance with clause 2.2.3 of the IM determination</p>
Five-year system maximum demand growth forecast	<p>means the most recent geometric yearly average projected growth rate for maximum system demand for the next 5 years (this projection is to be consistent with the AMP)</p>

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Forecast expenditure

means, in relation to:

- (a) current **disclosure year**, the forecast expenditure for the current **disclosure year** disclosed under section 2.5 of this determination (asset management information) 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 under Part 5 of the **IM determination** where a **CPP** is in place for the current **disclosure year** or disclosed under section 2.5 of this determination (asset management information) prior to the start of the **disclosure year** preceding the **regulatory period** where a **CPP** is not in place for the current **disclosure year**

G

GAAP

means generally accepted accounting practice in New Zealand

Gains / (losses) on asset sales

means, in respect of:

- (a) **assets disposals to a related party**, nil;
- (b) **assets disposals to a regulated supplier**, nil;
- (c) **asset disposals (other)**, the values determined in accordance with:

sale price of an asset - **assets disposals (other)**

where each component has the value allocated to **electricity distribution services** in accordance with clause 2.1.1 of the **IM determination**

Gross capital expenditure

means **capital expenditure** plus **capital contributions** and **net value of vested assets**

Gross capital expenditure on distribution network

means the sum of:

customer connection plus **system growth** plus **quality of supply** plus **asset replacement and renewal** plus **asset relocations** plus **legislative and regulatory**

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Gross line charge revenue	means net line charge revenue plus discretionary discounts and customer rebates
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
GXP	means grid exit point
GXP demand	means the maximum numerical sum (demand) of all transmission GXP supplies to the EDB's network measured in megawatts (MW). In the case of an export from a GXP at the time of measurement, this demand should be subtracted from the total GXP demand <i>(Note that both the maximum coincident system demand and the non-coincident sum of maximum demands for GXPs must be disclosed)</i>
GXP demand not supplied at subtransmission level	means the same as GXP demand , but applies only to supplies from those transmission GXPs that are not considered to be at the EDB's subtransmission level <i>(for the avoidance of doubt this means demand supplied from GXPs at voltage lower than 33kV)</i>
H	
High voltage (HV)	means, a nominal AC voltage of 1000 volts and more, or the assets of the EDB that are directly associated with the transport or delivery of electricity at those voltages
Highest rate of capitalised finance applied	means the highest rate of finance used as the cost of financing capitalised in works under construction
I	
ICP (or connection point)	means a point of connection on a local network or embedded network which the EDB nominates as the point at which an electricity retailer will be deemed to supply electricity to a consumer
IM determination	means the Commerce Act (Electricity Distribution Services Input Methodologies) Determination 2010

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Include load control relays	means the value of load control relay asset of 'included' type as determined in accordance with clause 2.2.1(2)(a) of the IM determination
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/(decrease) in value from adjusting the asset adjustment to 31 March 2009	means the adjustment to the value of included or value modified assets resulting from applying clauses 2.2.1(4)(c) and (5)(c) of the IM determination . Included and value modified have the meanings as set out in clause 2.2.1 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
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 EDB 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 EDB 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
Input methodology claw-back	means a cost specified in clause 3.1.3(1)(g) of the IM determination

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Interruption	means, in relation to the supply of electricity to a connection point , the cessation of supply of electricity to that connection point for a period of 1 minute or longer, other than by reason of disconnection of that connection point for breach of the contract under which the electricity is supplied and includes all subtransmission and high voltage faults irrespective of cause and includes the capture of partial restorations (areas not initially restored) and includes the capture of affected connection points due to instances when the electrical network is an abnormal configuration but excludes all low voltage outages and all single phase high voltage (non-SWER) outages
Interruption class	[TBC – technical consultation]
Involved in	has the meaning set out in section 74 of the Electricity Industry Act 2010, as if the references to distributor, generator or retailer in s 74(1) were read as references to an EDB or any other person
IRR	means internal rate of return
Issue date	means the day on which a qualifying debt or non-qualifying debt is issued

L

Legislative and regulatory	means gross capital expenditure where the primary driver is new regulatory or legal requirements. This category includes any step changes in gross capital expenditure as a result of a new requirement (for example a new earthquake code or requirement to provide Ultra-Fast Broadband access and meet electrical safe distance rules). This does not include assets replaced because of condition assessment or ongoing work to improve or maintain the safety or environmental impact of the network
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Leverage	has the meaning 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 set out in the IM determination
Load factor	means $\frac{a}{b \times c}$ <p>where</p> <p><i>a</i> = electricity entering the system for supply to customers' connection points</p> <p><i>b</i> = demand on the system for supply to customers' connection points</p> <p><i>c</i> = number of hours in the disclosure year</p> <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 electricity distribution services in accordance with clause 2.1.1 of the IM determination</p>
Lost and found assets adjustment	
Low voltage (LV)	means the nominal AC voltage of less than 1000 volts, or the assets of the EDB that are directly associated with the transport or delivery of electricity at those voltages
	M
Market value of asset disposals	means the market value of disposed assets sold or transferred to a related party
Maintenance and service	means, in relation to electricity lines services , the scope of maintenance and service levels

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delivery levels	provided to consumers in that consumer group by an EDB
Material influence	has the meaning set out in the Electricity Industry Act 2010
Maximum coincident system demand	means the simultaneous demand of a group of assets or customers taken as a whole, which may be determined by direct measurement or by the addition of the load curves of the individual assets or connection points in the group. <i>(Note this is sometimes referred to as “diversified demand”)</i> The maximum coincident system demand is the simultaneous demand at the time of the maximum system demand
Maximum distribution transformer demand	means the GXP demand less (plus) net transfers to (from) other distribution businesses at HV and above plus embedded generation output at HV and above less subtransmission customers' connection point demand , where values are taken at the time of the maximum system demand and represent the average such demand over the half-hour in which the maximum system demand occurs
Maximum system demand	means the aggregate peak demand for the EDB's network , being the coincident maximum sum of GXP demand and embedded generation output at HV and above , measured in kilowatts (kW)
Merger and acquisition expenses	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 electricity distribution services , where the expected benefits to electricity distribution services from the merger or acquisition have been disclosed
Mid-point estimate of post tax 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 subpart 4 of part 2 of the IM determination
Mid-point estimate of post tax	means the mid-point estimate of post tax

WACC	30 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
Name of related party	N means either the legal name of the related party that has entered into a transaction with the EDB or 'inter-company' where the transaction is between the regulated and un-regulated parts of the EDB
Net electricity supplied to (from) other EDBs	means the volume of electricity supplied from (to) the disclosing EDB's network to (from) other EDBs . <i>(Note that where electricity is "carried through" the disclosing EDB's network to another EDB's network, then these transfers will offset (except for losses))</i>
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 line charge revenue	means revenue from prices
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
Net transfers to (from) other EDBs at HV and above	means the net transfer (at time of system peak) to (positive sign) or from (negative sign) another EDB , in MW, where these transfers occur through the HV or subtransmission system of the EDB (that is, where they do not occur at the LV level)
Net transfers to (from) other EDBs at sub-transmission level only	means the net transfer (at time of system peak) to (positive sign) or from (negative sign) another EDB , in MW, where these transfers occur through the subtransmission system of the EDB <i>(for the avoidance of doubt, this amount is included in the disclosure of embedded generation output at HV and above)</i>

Net value of vested assets	means the fair value of assets whose ownership is vested in a EDB (whether or not for some consideration) less any consideration paid for those assets
Network	means the fixed assets used by a EDB to provide electricity lines services
Network drivers	means measures that can be used by interested persons to assess required expenditure by reflecting gaps between the consumer or mandated requirements of the network and the actual performance of the network
Network support	<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 (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 cables and pipelines for third parties, mark cuts, stand-overs, high-load escorts, 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

New allocation

means the **operating costs** or **regulated service asset value** allocated to **electricity 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**

Nominal New Zealand dollars

in relation to an expenditure or revenue forecast, means the New Zealand dollar prices expected to apply at the time of transaction

Non-coincident sum of maximum demands

means the sum of the anytime maximum demands (that is, the diversified demands) of a group of assets or **connection points** which may be determined by adding directly

	measured system metered demands and connection point metered demands at different times
Non-electricity distribution services	means services of the EDB that are not electricity distribution services
Non-exempt EDB electricity lines service charge payable to Transpower	means a cost specified in clause 3.1.3(b) of the IM determination
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 contract	means a contract that is not a standard contract
Non-system fixed assets	means gross capital expenditure that is not directly incurred on the distribution system. This includes expenditure on information and technology systems, IT software upgrade costs, asset management systems, customer management systems, office buildings, depots and workshops, office furniture and equipment, motor vehicles, tools, plant and machinery.
Not directly attributable	means: <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 interest tax shield	means the product of notional deductible interest and the corporate tax rate applicable to the current disclosure year
Notional net cash flows	means, in relation to the: <ul style="list-style-type: none"> (a) ROI, operating surplus / (deficit) less regulatory tax allowance less assets commissioned plus asset disposals (b) alternative ROI, revenue less expenses less tax less assets commissioned plus asset disposals
Number of connection points (or connection point numbers)	means the number of metered and unmetered connection points , as represented by unique

O

Opening deferred tax	has the meaning set out in the IM determination
Opening RAB (tax value)	means the sum of regulatory tax asset value for assets included in total opening RAB values
Opening RIV	means the sum of total opening RAB values plus opening deferred tax
Opening tax losses	has the meaning given to that term in clause 2.3.2(3) of the IM determination
Opening value of fully depreciated, disposed and lost assets	means <ul style="list-style-type: none"> (a) in relation to the unallocated RAB, the sum of unallocated RAB included in the total opening RAB values, values of assets 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 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 unamortised initial differences in asset values	means closing unamortised initial differences in asset values for the preceding disclosure year
Operating cost	has the meaning 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 2.1.1 of the IM determination
Operational expenditure on distribution network	means the sum of service interruptions, incidents and emergencies plus vegetation management plus routine and corrective maintenance and inspection plus system operations plus network support

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Operating surplus / (deficit)	means total regulatory income less operational expenditure less pass through and recoverable costs
Original allocation	means the operating costs or regulated service asset values allocated to electricity distribution services in accordance with the original allocator and line items for each of the relevant disclosure years
Original allocator or line items	means the allocator or line items used prior to the change in allocator or line items
Original tenor	means: <ul style="list-style-type: none"> (a) where the qualifying debt or non-qualifying debt is not issued to a related party, the term of a qualifying debt or non-qualifying debt at the issue date; (b) where the qualifying debt or non-qualifying debt is issued to a related party, the shorter of the- <ul style="list-style-type: none"> (i) the tenor of the qualifying debt; or (ii) the period from the qualifying debt's issue date to the earliest date on which its repayment is or may be required
Other adjustments to the RAB tax value	means $q = a - (b + c - d - e)$ where: <ul style="list-style-type: none"> a = closing RAB (tax value) b = opening RAB (tax value) c = regulatory tax asset value of assets commissioned d = regulatory tax asset value of asset disposals e = tax depreciation
Other assets	means assets used by the EDB to provide electricity lines services and which are not subtransmission, zone substation, distribution and LV lines, distribution and LV cables, distribution substations and transformers, distribution switchgear or other system fixed assets
Other regulated income	has the meaning set out in the IM

	determination;
Other related party transactions	means the value of related party transactions that are not disclosed as total regulatory income, operational expenditure, capital expenditure or market value of asset disposals
Other specified pass-through costs	means costs identified in clause 3.1.2(1)(b) of the IM determination
Other system fixed assets	for the purpose of the RAB , means assets used by the EDB for the conveyance of electricity or supply of electricity that are not subtransmission, zone substation, distribution and LV lines, distribution and LV cables, distribution substations and transformers or distribution switchgear and includes central facilities for SCADA and telecommunications systems
Outage	[TBC – technical consultation]
Outage in SAIDI assessed value	is given the value 'Yes' if the EDB is subject to price-quality regulation and the fault described gave cause to an interruption that contributed to the EDB's SAIDI assessed value for the assessment period in which the fault occurred; otherwise 'No'
OVABAA allocation increase	has the meaning set out in the IM determination
Overhead circuit length by terrain	means the sum of the lengths (in kilometres) of each overhead circuit categorised by the nature of the terrain in which they are sited, being urban, rural, remote, rugged, rural & rugged or remote & rugged terrain. Remote areas are those which are situated more than 75km from the EDB's or the EDB's contractor's nearest works depot. Rugged terrain includes those areas where normal line construction vehicles and plant cannot be used and where it is necessary to use helicopters, tracked vehicles, boats, or other specialised plant. <i>(Note: the categories are mutually exclusive and the sum of these categories should equal the total kilometres of overhead circuit. Any overhead circuits that are not allocated to one</i>

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of the terrain categories should be disclosed as "unallocated")

Overhead to underground conversion expenditure

means **gross capital expenditure** or **operational expenditure** incurred in developing an underground reticulation **network** in circumstances where this primarily replaces an existing overhead service.
*(Note: for clarification, this is not an additional category of **gross capital expenditure** or **operational expenditure** and therefore will be included in the other categories of **gross capital expenditure** and **operational expenditure**)*

P

Pass-through and recoverable costs

means a cost specified in clause 3.1.2 or 3.1.3 of the **IM determination**

Person

includes a natural person, a corporation sole, a body corporate, and an unincorporated body

Planned interruption

means any 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

Prescribed contract

in relation to an **EDB**, means -

- (a) a **contract** under which the **EDB** carries out **electricity lines services**;
- (b) a **contract** for **related services**, if goods or services are to be supplied under the contract by—
 - (i) the **EDB**; or
 - (ii) a **person** that is **involved in the EDB**; or
 - (iii) a **person** that supplies **electricity lines services** by means of works owned by the **EDB**; or
 - (iv) a **person** that is **involved in a person** of the kind referred to in subparagraph (iii)

Prescribed terms and conditions

means, in relation to a **contract** for the carrying out of **electricity lines 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
 - (iv) **EDB's** obligations and responsibilities (if any) to **consumers** in the event that the supply of **electricity lines services** to **consumers** is interrupted.

Previous years' incremental gain/(loss)

means the incremental change or incremental adjustment term for the **disclosure year** in question determined in accordance with clause 3.3.1 of the **IM determination**

Previous years' incremental gain/(loss) adjusted for inflation

means the **previous years' incremental gain/(loss)** carried forward by applying the inflation rate in accordance with clause 3.3.2(1) of the **IM determination**

Prices

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

Pricing date

means the day on which a **qualifying debt** is priced

Pricing principles

means, in relation to the supply of **electricity distribution services**, means the principles as published by the Electricity Authority, a copy of which appears in Appendix C to this determination

Pricing strategy

means a strategy on the approach to setting **prices** whether in writing or not

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

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of expected future demand. If it is the third party request that required the asset to be relocated at that time, then the **gross capital expenditure** 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 **gross capital expenditure** 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 **gross capital expenditure**, 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 **EDB'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 **EDB** 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

Qualifying debt	has the meaning set out in paragraph (a) of the defined term in clause 1.1.4(2) in the IM determination
Quality of supply	in relation to expenditure, means gross capital expenditure where the primary driver is to improve the asset performance experienced by consumers . This may include expenditure to: <ul style="list-style-type: none"> • reduce the overall outage/fault rate of the network • reduce the average time that consumer are affected by planned interruptions/ unplanned interruptions • reduce the average number of consumers affected by planned interruptions/ 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
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
Real New Zealand dollars	means, in relation to the prospective disclosures made under clauses 1, 4 and 5 of section 2.5, New Zealand dollars denominated in real terms as at the mid-point of the disclosure year
Re-apply a modified multiplier to 2004 ODV assets	means the change in value of assets after applying clause 2.2.1(2)(d) of the IM determination
Re-apply an existing multiplier to 2004 ODV assets	means the change in value of assets after applying clause 2.2.1(2)(c) of the IM determination
Re-apply optimisation of EV	means the change in value of assets after

tests to 2004 ODV assets	41
Reason for non-standard depreciation	<p>applying clause 2.2.1(2)(e) of the IM determination</p> <p>means:</p> <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, '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'
Record	has the meaning set out in section 4 of the Public Records Act 2005
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)(h),(i),(j),(k) or (l) of the IM determination
Regulated service asset values	has the meaning set out in the IM determination
Regulated supplier	has the meaning set out in the IM determination
Regulatory net taxable income	has the meaning specified in clause 2.3.1(2) of the IM determination
Regulatory period	has the meaning set out in the IM determination
Regulatory profit / (loss)	means the regulatory profit / (loss) before tax less the regulatory tax allowance
Regulatory profit / (loss) before tax	<p>means the value of calculated using the following formula:</p> $q = a - b + c$ <p>where:</p> <ul style="list-style-type: none"> a = operating surplus / (deficit) b = total depreciation c = total CPI revaluations
Regulatory tax allowance	has the meaning set out in clause 2.3.1 of the IM determination

Regulatory tax asset value	has the meaning set out in the IM determination
Regulatory tax asset value of asset disposals	means the sum of regulatory tax asset values for assets that have a value in asset disposals
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 set out in the IM determination
Related party	has the meaning set out in the IM determination
Related services	means goods or services (other than the supply of electrical appliances) supplied or to be supplied under a contract in any case where- <ul style="list-style-type: none"> (a) there is a linkage between that contract for the supply of the goods and services and another contract for the conveyance of electricity by reason that the consideration for the supply of those goods or services is linked to, or combined with, payment for the conveyance of that electricity; and (b) the monetary value of the goods or services supplied, or to be supplied, amounts to or (as the case may be) will amount to more than 1% of the monetary value or projected monetary value (as the case may be) of the contract for the conveyance of electricity, in respect of either the period of 12 months immediately before, or the period of 12 months immediately after, the public disclosure of the information relating to the contract for the conveyance of electricity as required by either of clauses 9 or 10 of section 2.4
Related party transaction	means a transaction with a related party
Revaluation rate	has the meaning set out in the IM determination
Revenue	means total regulatory income accrued in each of the months of the disclosure year
Revenue related working capital	means for the opening RIV and closing RIV , the

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revenue for the last month of the **disclosure year**

ROI

means return on investment

ROI comparable to a vanilla

means:

WACC

$$q = (1 + \text{half-yearly } IRR)^2 - 1$$

where:

half-yearly IRR = **IRR** (3 half-yearly amounts)

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).

ROI comparable to a post-tax WACC

means the **ROI comparable to the vanilla WACC** less the product of the **cost of debt (%)**, the **leverage** and the **corporate tax rate**

Routine and corrective maintenance and inspection

means **operational expenditure** where the **primary driver** is pre-planned or programmed inspection, testing and maintenance work schedules. This includes visual checking of the external condition of system assets including any associated civil constructions (eg, substations) and activity relating to the invasive examination of system assets, and the undertaking of any subsequent works to repair defects or replace components of those assets, where the expenditure is not capitalised. This includes the costs of land owner negotiation and arrangements associated with these activities. Examples of activities classified as routine and corrective maintenance and inspection include:

- helicopter, vehicle and foot patrols
- asset surveys
- non capitalised renewal, replacement and refurbishment of network assets and/or components thereof
- environmental response
- painting of network assets

- outdoor and indoor maintenance of substations, including weed clearance, lawn mowing and fencing,
- functional and intrusive testing of assets, plant & equipment including critical spares and equipment

S

SAIDI (System Average Interruption Duration Index)

means the average forced sustained Interruption duration per **connection point** served per year (measured in minutes).

Connection point numbers are to be the average for the **disclosure year**

SAIFI (System Average Interruption Frequency Index)

means the average forced sustained Interruption frequency per **connection point** served per year (measured in frequency per year). **Connection point** numbers are to be the average for the **disclosure year**

Secondary assets

means system fixed assets, including ripple injection systems, SCADA, protection and telecommunications systems, that do not carry the energy that is distributed to **consumers**

Self-insurance allowance

means any self-insurance allowance allowed by the **Commission** through a **CPP**

Service interruptions, incidents and emergencies

means **operational expenditure** where the **primary driver** is caused by 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. Includes back-up assistance required to restore supply, repair leaks or make safe. It also includes operational support such as mobile generation used during the outage or emergency response. It also includes any necessary response to events arising in the transmission system. It does not include expenditure on activities performed proactively to mitigate the impact such an event would have should it occur.

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**

Shared asset

means an asset used by more than 1 **consumer** in order to receive **electricity lines services**

Sole use assets

means assets installed as part of a new connection project used by only 1 connecting **consumer** in order to receive **electricity line services**

Standard contract

means any **contract** (being a **contract** for the carrying out of **electricity line services**) between an **EDB** any other **person** where –

- (a) the **price** at which the **electricity line services** are to be carried out 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 **EDB**, and none of those other **persons** is **involved in** the **EDB**, or with any of those other **persons**

Standard connection configuration

means, in relation to **electricity lines services**, the scope of supply, installation and assets typically used by an **EDB** to provide **electricity line services to consumers** in each **consumer group** with sufficient detail that the difference between the standard and non-standard connection configurations can be clearly identified

Sub-network

means, in relation to network assets of a supplier that is—

- (a) **consumer-controlled** and the number of **controlling consumers** is less than 90% of the total number of **consumers** of the services provided by the **EDB**; the part of the **network** assets owned by the **EDB** that is substantially used to provide services to—
 - (i) **consumers** that are controlling consumers; or

(ii) **consumers** that are not **controlling consumers**; or

- (b) Aurora, either the assets located in the Dunedin geographic region or the assets located outside that region; or
- (c) Powerco, either the assets located in the Eastern geographic region or the assets located outside that region

Subtransmission

means

- (a) In relation to **AMPs**, the transport or delivery of electricity at the following voltages: 110kV, 66kV, 33kV and other voltages within this range (*note: whilst voltages outside this range (eg, 22kV) may be used for the purposes of subtransmission, they are not to be included in the subtransmission reporting category*)
- (b) For any other purpose, any of the electric lines, cables, plant and equipment operated at the **subtransmission voltage** that are not installed in **zone substations**. The assets include associated pilot and communication cables, switches and surge arrestors or other overhead lines and cable components installed outside the **zone substations**. Subtransmission assets exclude all EHV transformers, circuit breakers and switches and associated protection, monitoring and control equipment installed in **zone substations**

Subtransmission customers' Connection Point demand

means the numerical maximum sum (demand), measured in megawatts (MW), of all supplies to **connection points** directly connected to the **subtransmission** system of **EDB's network**

Subtransmission voltage

means 3 phase nominal voltage over 30 kV and up to and including 110 kV. In this determination EHV is used to denote a subtransmission voltage

SWER

means single wire earth return

System growth	means gross capital expenditure where the primary driver is a change in demand (either load or number of connections) on the existing network asset which results in a requirement for either additional capacity to meet this demand or additional investment to maintain current security and quality of supply standards due to the increased demand. This includes gross capital expenditure associated with SCADA and telecommunications
System operations	means operational expenditure relating to office based system operations, including: <ul style="list-style-type: none"> • control centre costs • interruption planning and notification • planning and co-ordinating network switching including fault switching • system operator liaison and management
System operator services	means a cost specified in clause 3.1.3(1)(d) of the IM determination
T	
Target revenue	means the revenue that the EDB expects to obtain from prices
Tax payments	means regulatory tax allowance recognised proportionally to how the EDB has paid (or would have paid tax) over the tax year preceding the end of the disclosure year
Tax depreciation	has the meaning set out in clause 2.3.8(3) of the IM determination
Tax effect	has the meaning set out in the IM determination
Tax effect of amortisation of initial differences in asset values	means the tax effect of amortisation of initial differences in asset values
Tax effect of other temporary differences	means the tax effect of positive temporary differences less negative temporary differences . Positive temporary differences and negative temporary differences have the meanings set out in clause 2.3.8(4) and (5) of the IM determination
Tax effect of adjusted	means the tax effect of adjusted depreciation

depreciation

Tax effect of total tax depreciation	means the tax effect of tax depreciation
Term credit spread difference	has the meaning set out in the IM determination
Term credit spread differential allowance	has the same meaning as the 'term credit spread differential' as set out in clause 2.4.11(3) of the IM determination
Total attributable to regulated service	means the sum of directly attributable and not directly attributable that is attributable to electricity 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 values	means: <ul style="list-style-type: none"> (a) in relation to the unallocated RAB, the sum of unallocated closing RAB values as determined in accordance with the IM determination; (b) in relation to the RAB, the sum of closing RAB values as determined in accordance with the IM determination
Total CPI revaluations	means: <ul style="list-style-type: none"> (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 depreciation	means: <ul style="list-style-type: none"> (a) in relation to the unallocated RAB, the sum of unallocated depreciation as determined in accordance with the IM determination; (b) in relation to the RAB or regulatory profit, the sum of depreciation as determined in accordance with the IM determination
Total distribution transformer capacity	means the sum of distribution transformer capacity (EDB-owned) and distribution transformer capacity (non-EDB owned) ,

	estimated)
Total expenditure on distribution network	means the sum of gross capital expenditure on distribution network and operational expenditure on distribution network
Total expenditure on distribution network business	means the sum of non-system fixed assets plus business support plus direct billing
Total opening RAB values	means: <ul style="list-style-type: none"> (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 opening RAB values subject to revaluations	means: <ul style="list-style-type: none"> (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 regulatory income	means: <ul style="list-style-type: none"> (a) in relation to the Report on Regulatory Profit, the sum of gross line charge revenue and other regulatory income (b) in relation to the report on related party transactions, total regulatory income (as determined in accordance with paragraph (a)) from related party transactions
Transmission charge	means any payment made in respect of the use of the transmission system
Transmission line charge revenue	means gross line charge revenue relating to transmission charges
Transmission system	means the national grid
Transpower	has the meaning as defined in s 54B of the Act
Transpower new investment	means a cost specified in clause 3.1.3(1)(c) of

contract charges

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**

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**

Unplanned interruption

means any interruption in respect of which less than 24 hours' notice, or no notice, was given, either to the public generally or specifically to the **consumers** affected by the interruption

Unregulated service

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

Utilised tax losses

has the meaning set out in paragraph (a) of the defined term in the **IM determination**

V

Value of transaction

means the value of the **related party transaction** as determined in accordance with clause 7 of section 2.3 of this determination

Vegetation management

means **operational expenditure** where the **primary driver** is caused by the activity of physically felling, removing or trimming vegetation (including root management) in proximity to overhead lines or cables. Expenditure arising from the following activities is included in this category:

- inspection of affected lines and cables where the inspection is substantially or wholly directed to vegetation management (e.g., as part of a

vegetation management contract).

Includes pre-trim inspections as well as well as inspections of vegetation cut for the primary purpose of ensuring the work has been undertaken in an appropriate manner

- liaison with **consumers** including the issue of trim/cut notices, and follow up calls on notices
- the felling or trimming of vegetation to meet externally imposed requirements or internal policy, including operational support such as mobile generation used during the activity

The following activities and related costs are excluded from this category:

- general inspection costs of assets subject to vegetation where this is not substantially directed to vegetation management (include in **routine and corrective maintenance and inspection**)
- costs of assessing and reviewing the vegetation management policy (included in **network support**)
- data collection relating to vegetation (included in **network support**)
- the cost of managing a vegetation management **contract**, except as stated above (included in **network support**)
- emergency work (included in **service interruptions and emergencies**)

W

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 set out in the **IM Determination**

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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 set out in the **IM Determination**

Weighted average remaining useful life of relevant assets (years)

means the weighted average remaining useful life of assets included in **opening unamortised initial differences in asset values** calculated by using the **opening unamortised initial difference in asset values** as weights

Works under construction

means:

- (a) in relation to **unallocated works under construction**, the value of q calculated using the following formula:

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

where:

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

b = **unallocated capital expenditure**

c = **unallocated assets commissioned**

d = **adjustment resulting from cost allocation**

- (b) in relation to **allocated works under construction**, the value (as determined in accordance with paragraph (a)) which was allocated to **electricity distribution services** in accordance with clause 2.1.1 of the **IM determination**
- (c) in relation to the establishment of the initial **RAB** value, the value of works under construction included in **unallocated 2009 modified asset values** as works under construction is defined in the **IM determination**

Y

Year change made

means:

- (a) in relation to assets or groups of assets where depreciation is included in **depreciation - no standard life asset**, the

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year the asset was acquired;

- (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;
- (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

Z

Zone substation

means the transformers, switchgear, protection and control and SCADA equipment, **low voltage** and station direct current systems, other secondary systems, ripple injection plant and outdoor structure installed in an electrical power substation primarily used to convert **subtransmission voltages** to **distribution voltages**. Zone substation assets include the land, building and the value of site developments

Zone substation transformer capacity

means the sum of the name-plate ratings (MVA capacity) of all **zone substation** transformers in use on the **EDB's network** and must represent the long-term operating capacity of the transformer as it is installed, not the emergency or short-term ratings
(Note: Ratings uplift due to oil, air or other installed and operating cooling mechanisms should be captured in this measure. This measure does not include transformers that are not energised, e.g. spares)

PART 2 DISCLOSURE REQUIREMENTS

2.1 INFORMATION DISCLOSURE

1. Subject to sections 2.9 and 2.10, from the **commencement date** every **EDB** must comply with the information disclosure requirements set out in this determination and, in particular, must comply with:
 - 1.1 The requirements to disclose financial information in section 2.3
 - 1.2 The requirement to disclose pricing and related information in section 2.4
 - 1.3 The requirement to disclose asset management information in section 2.5
 - 1.4 The audit, certification and verification requirements in sections 2.6 and 2.7
 - 1.5 The retention and continuous disclosure requirements in section 2.8
 - 1.6 The transitional provisions in section 2.10

2.2 APPLICABLE INPUT METHODOLOGIES

1. Every **EDB** must apply the following **IMs** as applicable, when complying with this determination:
 - 1.1 asset valuation
 - 1.2 cost allocation
 - 1.3 treatment of taxation.

2.3 FINANCIAL INFORMATION

Annual Disclosure Relating to Financial Information

1. Subject to subclauses 4, 5, 6 and 7 of this section and section 2.10, within 5 **months** after the end of each **disclosure year**, every **EDB** must disclose information relating to its financial position by:
 - 1.1 Subject to subclauses 2 and 3 below, completing each of the following reports by inserting all information relating to the electricity lines services supplied by the EDB for that disclosure year:
 - 1.1.1 the Report on Return on Investment set out in Schedule 1;
 - 1.1.2 the Report on Regulatory Profit set out in Schedule 2;
 - 1.1.3 the Report on Regulatory Tax Allowance set out in Schedule 3

- 1.1.4 the Report on Term Credit Spread Differential Allowance set out in Schedule 4;
- 1.1.5 the Report on Regulatory Asset Base Roll Forward set out in Schedule 5;
- 1.1.6 the Report on Expenditure set out in Schedule 6;
- 1.1.7 the Report on Expenditure Forecasts set out in Schedule 7;
- 1.1.8 the Report on Related Party Transactions set out in Schedule 8;
- 1.1.9 the Report on Asset Allocations set out in Schedule 9;
- 1.1.10 the Report on Cost Allocations set out in Schedule 10; and
- 1.2 **Publicly disclosing** each of those reports;
- 2. Subject to section 2.10, in completing Schedule 1, an **EDB** can elect to disclose information in accordance with part 1c of Schedule 1;
- 3. Schedule 4 is only required to be completed by qualifying suppliers as qualifying suppliers is defined in the **IM determination**.
- 4. Where an item disclosed in accordance with subclause 1.1 above is classified differently from the previous year an **EDB** must disclose as notes to the relevant disclosure the:
 - 4.1 Nature of the item reclassified
 - 4.2 Value of the item in the current **disclosure year** and in the previous **disclosure year**
 - 4.3 Classification of the item in the previous **disclosure year**
 - 4.4 Classification of the item in the current **disclosure year**
 - 4.5 Reason why the item has been reclassified
- 5. In completing Schedule 6:
 - 5.1 For each material **quality of supply** project:
 - 5.1.1 separately disclose a description of the project and its value in note 6a(iii) of Schedule 6;
 - 5.1.2 disclose the purpose of the project and a description of the assets created for each project in the commentary in note 6a of Schedule 6
 - 5.2 For each material **legislative and regulatory** project

- 5.2.1 separately disclose a description of the **legislative or regulatory** requirement and its value in note 6a(v) of Schedule 6;
- 5.2.2 disclose a description of the assets created in the commentary to note 6a of Schedule 6;
- 5.3 For each material **atypical non-system fixed assets** project:
 - 5.3.1 separately disclose a description of the project and its value in note 6a(vi) of Schedule 6;
 - 5.3.2 disclose the purpose of the project and a description of the assets created for each in the commentary note 6a of Schedule 6
- 5.4 For each material **atypical** expenditure included in **operational expenditure** separately disclose a description of the project, the purpose of the project, and the **operational expenditure** categories the expenditure relates to in the commentary to note 6b of Schedule 6
- 6. In completing Schedules 9 and 10:
 - 6.1 **Publicly disclosing**, for each asset category in Schedule 9 and each **operational expenditure** category in Schedule 10 that has **not directly attributable** costs:
 - 6.1.1 a description of the **not directly attributable** costs or assets;
 - 6.1.2 the **allocation methodology types** used to allocate the **not directly attributable** costs or assets;
 - 6.1.3 where more than one allocation method is used, the percentage of **not directly attributable** costs or assets allocated using each method;
 - 6.1.4 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
 - 6.1.5 the **allocators** used and the rationale for using each **allocator**.
- 7. For the purpose of subclause 1 above, **transactions with related parties** must be accounted for:
 - 7.1 Where the transaction is for **assets acquired from a related party**, in accordance with clause 2.2.11(1)(g) of the **IM Determination**;
 - 7.2 For any transaction between related parties (other than a transaction for **assets acquired from a related party**), a **EDB** must elect to disclose the transaction in accordance with one of the following approaches:

- 7.2.1 subject to clause 8 below, at the cost incurred by the **related party** providing the service; or
 - 7.2.2 subject to clause 8 below, where the transaction involves the provision of electrical contracting services to maintain and/or develop the **network**, at the cost directly incurred by the **related party** in providing the good or service in question plus a mark-up which does not exceed 17.2% (on those directly incurred costs); or
 - 7.2.3 at the transaction value, where the **related party** makes at least 75% of its sales to unrelated parties and the **prices** charged to the **EDB** are demonstrably the same as those charged to unrelated parties; or
 - 7.2.4 at the transaction value, where the services in question had previously been outsourced and the **EDB** can demonstrate that the cost of supply from the **related party** was the same or less than the costs incurred under the previous outsourced arrangement; or
 - 7.2.5 at the transaction value, where the value of all transactions with that **related party** is less than 1% of the **EDB's** total revenue from the **regulated service** for that year (and the total value of all **related party transactions** is less than 5% of the **EDB's** total revenue from the **regulated service**); or
 - 7.2.6 subject to clause 9 below, at the transaction value, where a certified tender has been undertaken; or
 - 7.2.7 in all other cases, the transaction should be disclosed at a nil value.
8. For the purpose of subclauses 7.2.1 and 7.2.2 above, where a **related party transaction** is disclosed at a cost directly incurred by, or a value based partly on the cost directly incurred by, the **related party**, then the **directors** of the **EDB** must certify that, having made all reasonable enquiries, including enquiries of the **related party**:
- 8.1 The cost incurred by the **related party** in providing the service to the **EDB** is fair and reasonable to the **EDB**; and
 - 8.2 The cost incurred by the **related party** in providing the service to the **EDB** is proportionate to the cost incurred by the **related party** in providing the same type of services to other parties, including unrelated parties.
9. For the purpose of subclause 7.2.6 above, a tender is a certified tender when:
- 9.1 The **directors** of the **EDB** have certified:
 - 9.1.1 that an open competitive tender was used to determine the transaction value;

- 9.1.2 that the tender has been run in a manner intended to ensure there were multiple credible competing tender proposals from parties unrelated to the **EDB**;
 - 9.1.3 that all actual and potential tenderers were provided with the same information and there was no information or communication relevant to the tender that was provided only to the **related party**;
 - 9.1.4 that other tender proposals were received, and 1 or more such tenders is willing to discuss their tender proposal with the **Commission** (if the **Commission** wishes);
 - 9.1.5 that the lowest qualifying tender proposal was accepted.
- 9.2 The **EDB** holds documentation identifying:
- 9.2.1 how many tender proposals were received, and how many tender proposals met any qualifying criteria and were considered for acceptance;
 - 9.2.2 why any tender proposal lodged was not considered by the **EDB** for acceptance (if any).
10. Subject to section 2.10, within 5 months after the end of each **disclosure year**, every **EDB** must disclose to the **Commission** information supporting the information disclosed in accordance with subclause 1.1 above by completing each of the following reports by inserting all information relating to the information supplied by the **EDB** in Schedules 9 and 10 for that **disclosure year**:
- 10.1 the Report Supporting Asset Allocation set out in Schedule 11;
 - 10.2 the Report Supporting Cost Allocation set out in Schedule 12

2.4 PRICING AND RELATED INFORMATION

Disclosure of pricing methodologies

- 1. Every **EDB** must **publicly disclose**, prior to the beginning of each **disclosure year**, a pricing methodology which:
 - 1.1 Describes the methodology, in accordance with clause 3 below, used to calculate the **prices** payable or to be payable
 - 1.2 Explains, in accordance with clause 4 below, any changes in **prices** and **target revenues**
 - 1.3 Indicates, in accordance with clause 5 below, any implications of the **pricing strategy** for future **prices**

- 1.4 Explains, in accordance with clause 6 below, the approach taken with respect to pricing in **non-standard contracts** and distributed generation (if any)
 - 1.5 Explains whether, and if so how, the **EDB** has sought the view 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 EDB has not sought the views of consumers, the reasons for not doing so must be disclosed.
2. Any change in the methodology or adoption of a different methodology, must be **publicly disclosed** 1 month before prices determined in accordance with the change or the different methodology take effect.
3. Every disclosure under clause 1 above must:
 - 3.1 Describe the methodology used to calculate **prices** payable or to be payable
 - 3.2 Include 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**
 - 3.3 Demonstrate the extent to which the pricing methodology is consistent with the **pricing principles** in Appendix C to this determination and explain the reasons for any inconsistency between the pricing methodology and the **pricing principles**
 - 3.4 Where applicable, identify the key components of **target revenue** required to cover the costs and profits of the **EDB's** provision of **electricity lines services**, including the **cost of capital**. Disclosure must include the numerical value of each of the components
 - 3.5 State the **consumer groups** for whom **prices** have been set, and describe:
 - 3.5.1 the rationale for grouping **consumers** in this way
 - 3.5.2 the method and the criteria used by the **EDB** to allocate **consumers** to each of the **consumer groups**.
 - 3.6 Provide for each **consumer group**, the proportion of **prices** (as applicable) which are:
 - 3.6.1 fixed
 - 3.6.2 kWh consumption-based
 - 3.6.3 peak demand-based
 - 3.6.4 connection capacity-based
 - 3.6.5 location-based

3.6.6 time-based elements of the above

3.6.7 imposed in any other manner

and describe the rationale for determining the proportions of **prices** in this manner.

3.7 Where applicable, describe the method used by the **EDB** to allocate the components of **target revenue** among **consumer groups**, including the numerical values of the different components allocated to each **consumer group** and the rationale for allocating them in this way.

4. Every disclosure under clause 1 above must:

4.1 To the extent **prices** have changed from **prices** disclosed for the immediately preceding **disclosure year**, explain the reasons for changes, and quantify the difference for each of those reasons

4.2 State the **target revenue** to be collected for the current **disclosure year**

4.3 Subject to section 2.10, state the **target revenue** collected for the **disclosure year** immediately preceding the current **disclosure year** as specified in the pricing methodology for that **disclosure year**

4.4 Explain the reasons for any differences between the **target revenue** for the current **disclosure year** and the **target revenue** disclosed for the immediately preceding **disclosure year**, and quantify the difference for each of those reasons.

5. Every disclosure under clause 1 above must, if the **EDB** has a **pricing strategy**:

5.1 Explain the **pricing strategy** for the next 5 **disclosure years** (or as close to 5 years as the **pricing strategy** allows), including the current **disclosure year** for which **prices** are set

5.2 Explain how and why **prices** for each **consumer group** will change as a result of the **pricing strategy**

5.3 If the **pricing strategy** has changed from the preceding **disclosure year**, identify the changes and explain the reasons for the changes.

6. Every disclosure under clause 1 above must

6.1 Describe the approach to setting **prices** for **non-standard contracts**, including:

6.1.1 the extent of **non-standard contract** use, including the number of **ICPs** represented by **non-standard contracts** and the value of **target revenue** anticipated from **non-standard contracts**

- 6.1.2 how the **EDB** determines whether to use a **non-standard contract**, including any criteria used
- 6.1.3 any specific criteria or methodology used for determining **prices** for **non-standard contracts** and how these criteria or that methodology is consistent with the **pricing principles** in Appendix C to this determination
- 6.2 Describe the **EDB's** obligations and responsibilities (if any) to customers on **non-standard contracts** in the event that the supply of **electricity lines services** to the customer is interrupted. Disclosure must explain:
 - 6.2.1 the extent of the differences in these terms within **standard contracts** and **non-standard contracts**
 - 6.2.2 any implications of this approach for determining **prices** for **non-standard contracts**
- 6.3 In relation to payments made to and by providers of distributed generation, include the:
 - 6.3.1 amount of the payments
 - 6.3.2 structure of the payments
 - 6.3.3 rationale for the payments.

Disclosure of capital contributions

- 7. Every **EDB** must at all times **publicly disclose**:
 - 7.1 A description of its current policy or methodology for determining **capital contributions**, including:
 - 7.1.1 the circumstances (or how to determine the circumstances) under which the **EDB** may require a **capital contribution** from **consumers**;
 - 7.1.2 how the amount payable by a **consumer** of any **capital contribution** is determined. Disclosure must include a description of how the costs of any **shared assets** (if applicable) and any **sole use assets** that are included in the amount of the **capital contribution**, are calculated
 - 7.1.3 the extent to which any policy or methodology is consistent with principles 1, 3 and 4 of the **pricing principles** in Appendix C to this determination.
 - 7.2 A statement of whether a **consumer** can use an independent contractor to undertake some or all of the work covered by the **capital contribution** sought

by the **EDB**, as an alternative to paying the full amount of the **capital contribution** to the **EDB**

- 7.3 If the **EDB** has a standard schedule of **capital contribution** charges, the current version of that standard schedule.
8. When a **consumer** from whom a **capital contribution** is sought queries the **capital contribution** charge, (and when the charge is not covered in the schedule of standard **capital contribution** charges, or no such schedule exists) the **EDB** must, within 10 working days of receiving the request, provide reasonable explanation to any reasonable query from that **consumer** of the components of that charge and how these were determined.

Disclosure of prescribed terms and conditions of contracts

9. Every **EDB** must, not later than 1 month after entering into a **prescribed contract**, that is a **standard contract**, **publicly disclose**:
- 9.1 If the other party to the contract is an **electricity retailer**, the name of that **electricity retailer**
- 9.2 In any other case, the **prescribed terms and conditions** of the **prescribed contract**.
10. Every **EDB** must, not later than 1 month after entering into a **prescribed contract** that is a **non-standard contract**, **publicly disclose**:
- 10.1 If the other party to the contract is an **electricity retailer**, the name of that **electricity retailer**
- 10.2 In any other case:
- 10.2.1 a description of the goods or services to be supplied under the **contract**
- 10.2.2 the estimated value of the goods and services to be supplied under the **contract**.
11. Every **EDB** must disclose to any **person**, within 1 month of a request by that **person**, the **prescribed terms and conditions** of a **prescribed contract** that is a **non-standard contract**.
12. 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 the date on which this determination came into force) are modified, the **EDB** must, no later than 1 month after those modifications take effect, **publicly disclose**:
- 12.1 The **prescribed contract** concerned

- 12.2 The modifications made to the **prescribed terms and conditions**.
13. If any **prescribed terms and conditions** of a **prescribed contract** that is a **non-standard contract** entered into before the date on which this determination came into force are modified, the **EDB** must disclose to any **person**, within 1 month of a request by that **person**, the modifications made to the **prescribed terms and conditions**.
14. Every **EDB** must, when **publicly disclosing** or disclosing on request, some or all (as the case may be) of the **prescribed terms and conditions** of a **non-standard contract** under clauses 11 or 12 above, include the following information:
- 14.1 The electricity supply capacity (in kilovolt amperes) of the assets used for the purposes of conveying electricity under the **contract**:
- 14.1.1 at the point of supply, if the electricity is conveyed to a **consumer**; or
- 14.1.2 at the point at which the electricity is supplied to any **person** other than a **consumer**.
- 14.2 The voltage at which the electricity is to be supplied or conveyed under the **non-standard contract**
- 14.3 Where the other party to the **non-standard contract** is a **consumer**, the 2-digit ANZSIC Classification Code 2006 (if any) applicable to that **consumer**.
15. For the purposes of this section, **public disclosure** by an **EDB** of the **prescribed terms and conditions** of a **standard contract** is to be regarded as **public disclosure** by that **EDB** in relation to all of its **standard contracts** with the same **prescribed terms and conditions**.

Disclosure of Prices

16. Every **EDB** must at all times **publicly disclose**:
- 16.1 Each current **price** expressed in a manner that enables **consumers** to determine:
- 16.1.1 the **consumer group** or groups applicable to them, including the capacity of the **consumer group**
- 16.1.2 the total **price** for **electricity lines services** applicable to them
- 16.1.3 of the total **price**, the **prices** represented by each type of charge applicable to them
- 16.2 The amount of each current **price** that is attributable to **transmission charges** or other charges of any other **regulated supplier**

- 16.3 The number (or estimated number) of **consumers** by whom each **price** is payable
- 16.4 The date at which each **price** was or will be first introduced
- 16.5 The **price** that was payable immediately before each current **price** (if any) expressed in the manner referred to in subclause 16.1 above.
- 17. Every **EDB** must, at least 20 working days before changing a **price** or introducing a new **price** that is payable by 5 or more **consumers**,
 - 17.1 **Publicly disclose:**
 - 17.1.1 the information specified in subclauses 1.1 to 1.5 above in respect of that **price**
 - 17.1.2 an explanation of the reasons for the new **price** or the changed **price**.
 - 17.2 Give written notice to each **consumer** by whom that **price** is payable, including the information specified in clause 16 above in respect of that **price**
 - 17.3 Notify in the news section of 2 separate editions of each newspaper that is widely read by **consumers** connected to lines of that **EDB**, details of the **price**, including:
 - 17.3.1 the changed **price** alongside the immediately preceding **price** applicable
 - 17.3.2 contact details where further details of the new or changed **price** can be found including the URL of the **EDB**'s publicly accessible website.
- 18. Every **EDB** must, in respect of all new **prices** payable by 4 or fewer **consumers**:
 - 18.1 Within 5 months after the end of each **disclosure year**, **publicly disclose** the information specified in clause 16 above in respect of those **prices** introduced in the **disclosure year**
 - 18.2 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 16 above in respect of that **price**.

Disclosure of Pricing Statistics

- 19. Within 5 months after the end of each **disclosure year**, every **EDB** must **publicly disclose** the information specified in Schedule 13, disclosing information for each **consumer group**.
- 20. If **prices** differ between **sub-networks**, a separate Schedule 13 must be completed for each **sub-network**.

Disclosure of financial distributions arising from ownership interest

21. At the time an **EDB** makes a financial distribution, including **discretionary discounts and rebates to consumers** in respect of the current **disclosure year**, the **EDB** must **publicly disclose** its methodology for calculating the **discretionary discounts and rebates to consumers**, so that **consumers** can accurately determine their entitlement.

2.5 ASSET MANAGEMENT INFORMATION

Disclosure relating to asset management information

1. Subject to clause 3 below, before the start of each **disclosure year** commencing with the **disclosure year** 2013, every **EDB** must complete and **publicly disclose** an **AMP** that—
 - 1.1 Relates to the **electricity distribution services** supplied by the **EDB**;
 - 1.2 Meets the purposes of **AMP** disclosure set out in clause 2 below;
 - 1.3 Has been prepared in accordance with Appendix A to this determination;
 - 1.4 Is consistent with the reports disclosed in the same **disclosure year** under subclause 5.1 below.
2. The purposes of **AMP** disclosure referred to in subclause 1.2 above are that the **AMP**—
 - 2.1 Must provide sufficient information for an interested person to assess whether:
 - 2.1.1 assets are being managed for the long term;
 - 2.1.2 the required level of performance is being delivered; and
 - 2.1.3 costs are efficient and performance efficiencies are being achieved;
 - 2.2 Must be capable of being understood by an interested person with a reasonable understanding of the management of infrastructure assets;
 - 2.3 Should provide a sound basis for the ongoing assessment of asset-related risks, particularly high impact asset-related risks.
3. If a **EDB** has **publicly disclosed** an **AMP** under clause 1 above in the previous **disclosure year**, then the **EDB** may—
 - 3.1 Elect to not comply with clause 1 above in the current **disclosure year**; and
 - 3.2 Complete and **publicly disclose** an **AMP update** under clause 4 below.
4. For the purpose of subclause 3.2 above, the **AMP update** must—

- 4.1 Relate to the **electricity distribution services** supplied by the **EDB**;
 - 4.2 Identify any major changes to the **network development plans** disclosed in the last **AMP** under clauses 15 to 18 of Appendix A;
 - 4.3 Identify any major changes to the lifecycle (maintenance and renewal) plans disclosed in the last **AMP** under clause 19 of Appendix A;
 - 4.4 Be consistent with the reports disclosed in the same disclosure year under subclause 5.1 below
 - 4.5 Provide the reasons for any material changes since the previous disclosure year in the Network Expenditure AMP Report set out in Schedule 14.
5. Before the start of each **disclosure year**, every **EDB** must—
 - 5.1 Complete each of the following reports by inserting all information relating to the **electricity distribution services** supplied by the **EDB** for the **disclosure years** provided for in the following reports—
 - 5.1.1 the Network Expenditure AMP Report set out in Schedule 14;
 - 5.1.2 the Network Driver AMP Report set out in Schedule 15;
 - 5.1.3 the Network Asset AMP Report set out in Schedule 16;
 - 5.1.4 the AMMAT Report set out in Schedule 17, under clauses 21 and 22 of Appendix A; and
 - 5.2 **Publicly disclose** these reports.
6. Within 5 months after the end of each **disclosure year**, every **EDB** must—
 - 6.1 Complete each of the following reports by inserting all information relating to the **electricity distribution services** supplied by the **EDB** for the **disclosure years** provided for in the following reports:
 - 6.1.1 the Network Driver Report set out in Schedule 18;
 - 6.1.2 the Network Performance Report set out in Schedule 19; and
 - 6.1.3 **publicly disclose** these reports.
7. If a **EDB** has **sub-networks**, complete each of the following reports by inserting all information relating to the **electricity distribution services** supplied by the **EDB** in relation to each **sub-network** for the **disclosure years** provided for in the report—
 - 7.1 The Network Driver Report set out in Schedule 18;
 - 7.2 The Network Performance Report set out in Schedule 19; and

7.3 **Publicly disclose** these reports.

2.6 **AUDITOR'S REPORTS**

1. Where an **EDB** is required to **publicly disclose** any **audited disclosure information**, the **EDB** must:
 - 1.1 Procure a report by an **independent auditor** in respect of that **audited disclosure information** signed by the **independent auditor** (either in his or her own name or that of his or her firm), stating:
 - 1.1.1 A duty of care to the **Commission**; and
 - 1.1.2 the work done by the **independent auditor**; and
 - 1.1.3 the scope and limitations of the audit; and
 - 1.1.4 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 **EDB** or any of its subsidiaries; and
 - 1.1.5 whether the **independent auditor** has obtained all information and explanations that he or she required and, if not, the information and explanations not obtained; and
 - 1.1.6 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 required information have been kept by the **EDB**; and, if not, the **records** not so kept; and
 - 1.1.7 subject to clause 1.2, whether (and, if not, the respects in which it does not), in the **independent auditor's** opinion, the **audited disclosure information** complies with this determination; and
 - 1.1.8 in respect of historical financial information contained in Schedules 1 to 12, 20 and 21 whether (and, if not, the respects in which it does not), in the **independent auditor's** opinion, that information has been prepared in all material respects in accordance with this determination; and
 - 1.2 For the purpose of subclause 1.1.7 above, 'complies with this determination' means:
 - 1.2.1 in respect of historical non-financial information contained in Schedules 13, 18, and 19 whether (and, if not, the respects in which it does not), in the **independent auditor's** opinion, the **EDB** has complied in all material respects with the requirements, including guidance (if any) issued by the **Commission**, and the information is based on the **records** examined under subclause 1.1.6 above; and

1.2.2 in respect of the prospective financial or non-financial information included in Schedule 7 are (where applicable and except to the extent that amendments to those requirements have changed that basis) presented on a basis consistent with the regulatory accounting or technical measurement requirements used for disclosures for the current **disclosure year** and the immediately preceding **disclosure year**, and are calculated based on source data provided by the **EDB**; and

1.3 **Publicly disclose** the **independent auditor's** report prepared in accordance with subclause 1.1 above at the same time as the **EDB publicly discloses** the **audited disclosure information**.

2.7 CERTIFICATES

1. Where an **EDB** is required to **publicly disclose** any information under clause 1 of section 2.4; and clause 1 and subclauses 3.2 and 5.1 of section 2.5, the **EDB** must at that time **publicly disclose** a certificate in the form set out in Schedule 22 in respect of that information, duly signed by 2 **directors** of the **EDB**.
2. Where an **EDB** is required to **publicly disclose** any information under any of subclause 1.1 and clause 10 of section 2.3; and clauses 19 and 20 of section 2.4, and clauses 6 and 7 of section 2.5 the **EDB** must at that time **publicly disclose** a certificate in the form set out in Schedule 23 in respect of that information, duly signed by 2 **directors** of the **EDB**.
3. Where an **EDB** is required to **publicly disclose** any information under any of subclauses 1.1, 1.2 of section 2.10, the **EDB** must at that time **publicly disclose** a certificate in the form set out in Schedule 24 in respect of that information, duly signed by 2 **directors** of the **EDB**.

2.8 RETENTION AND CONTINUING DISCLOSURES

1. An **EDB** 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**.

2.9 EXEMPTIONS

1. The **Commission** may at any time, by written notice to an **EDB**-
 - 1.1 Exempt the **EDB** 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
 - 1.2 Amend or revoke any such exemption.

2.10 TRANSITIONAL PROVISIONS

1. Subject to clause 2 below, within 7 months after the end of the **disclosure year 2012**, the **EDB** must:
 - 1.1 Complete the Report on Transitional Financial Information set out in Schedule 21;
 - 1.2 Complete the Report on Asset Allocations set out in Schedule 9 by inserting all information relating to the asset allocation for the **total opening RAB value** disclosed in Schedule 5; and
 - 1.3 **Publicly disclose** those reports.
2. Subject to clause 3 of section 2.10, where an **EDB** elects to undertake an adjustment in accordance with clause 2.2.1 of the **IM Determination**, within 7 months after the **disclosure year 2012** the **EDB** must:
 - 2.1 Complete the Asset Adjustment Process set out in Schedule 20;
 - 2.2 Procure a written engineer's report that complies with the requirements specified in Appendix B; and
 - 2.3 **Publicly disclose** those reports.
3. Where an **EDB** 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 subclause 2.1 above must be consistent with that disclosure.
4. Despite any requirements set out in subclauses 1.1, 10.1 and 10.2 of section 2.3; clause 19 of section 2.4 and subclauses 1.1 and 1.2 of section 2.10, but subject to clause 5 of this section, any information that would otherwise be required to be **publicly disclosed** under subclauses 1.1, 10.1 and 10.2 of section 2.3; clause 19 of section 2.4 and subclauses 1.1 and 1.2 of section 2.10 in respect of the **disclosure year 2012** is required to be **publicly disclosed** within 7 months after the end of the **disclosure year 2012**;
5. Notwithstanding any requirements set out in section 2.3 of this determination, the following transitional provisions apply in respect of the **disclosure year 2012**:
 - 5.1 Information in 1a of the Report on Return on Investment set out in Schedule 1 relating to **CY-2** and **CY-1** is not required to be disclosed
 - 5.2 Information in 5a of The Report on Regulatory Asset Base Roll Forward set out in Schedule 5 relating to **CY-3** and **CY-4** is not required to be disclosed
 - 5.3 In 6a of the Report on Expenditure set out in Schedule 6 and the Report on Expenditure Forecasts set out in Schedule 7,

- 5.3.1 'reliability, safety and environment' (as defined in the **2008 requirements**), must be disclosed as **quality of supply**
- 5.3.2 Legislative and regulatory is not required to be separately disclosed
- 5.4 In 6a of the Report on Expenditure set out in Schedule 6, 6a(i)-(vi) is not required to be disclosed
- 5.5 In 6b of the Report on Expenditure set out in Schedule 6 and the Report on Expenditure Forecasts set out in Schedule 7,
 - 5.5.1 'fault and emergency maintenance' (as defined in the 2008 requirements), must be disclosed as **service interruptions, incidents and emergencies**
 - 5.5.2 **Vegetation management** is not required to be separately disclosed
 - 5.5.3 'routine and preventative maintenance' and 'refurbishment and renewal maintenance' (as defined in the **2008 requirements**), must be disclosed as **routine and corrective maintenance and inspection**
 - 5.5.4 'system management and operations' (as defined in the **2008 requirements**), must be disclosed as **system operations**
 - 5.5.5 **Network support** is not required to be separately disclosed
 - 5.5.6 'general management, administration and overheads' (as defined in the **2008 requirements**), must be disclosed as **business support**
 - 5.5.7 **Direct billing** is not required to be separately disclosed
- 5.6 In completing the Report on Expenditure Forecast as set out in Schedule 7, references to **forecast expenditure** is to be to the forecast expenditure for the current disclosure year disclosed under clause 7 of the **2008 requirements**
- 5.7 In completing the Report on Asset Allocations set out in Schedule 9 and the Report Supporting Asset Allocations set out in Schedule 11, allocation disclosures must be made aligned to the categories outlined in subclause 5.3 above.
- 5.8 In completing the Report on Cost Allocations set out in Schedule 10 and the Reporting Supporting Cost Allocations set out in Schedule 12, allocation disclosures must be made aligned to the categories outlined in subclause 5.5 above.
- 6. Notwithstanding any requirements set out in section 2.3 of this determination, the following transitional provisions apply in respect of the **disclosure year 2013**:

- 6.1 Information in 1a of the Report on Return on Investment set out in Schedule 1 relating to **CY-2** is not required to be disclosed
- 6.2 Information in 5a of the Report on Regulatory Asset Base Roll Forward set out in Schedule 5 relating to **CY-3** and **CY-4** is not required to be disclosed
- 6.3 In completing the Report on Expenditure Forecast as set out in Schedule 7, references to **forecast expenditure** is to be to the forecast expenditure for the current disclosure year disclosed under clause 7 of the **2008 requirements**, recast to align with the **operational expenditure** and **capital expenditure** categories of this **determination**
7. For the **disclosure year** 2013 in relation to subclauses 4.3 and 4.4 of section 2.4, every **EDB** must (if applicable) explain any difference between the **target revenue** for the current **disclosure year**, and the revenue required to be disclosed in accordance with Requirement 23(b) of the **2008 requirements**.
8. The information required under clause 7 of section 2.4 above is not required to be **publicly disclosed** for the first time until 5 months after this determination is determined.

Dr Mark Berry, *Chair*

Sue Begg, *Deputy Chair*

Pat Duignan

Stephen Gale

Dated at Wellington this day of 2012.

COMMERCE COMMISSION

Appendix A Asset Management Plans

*This Appendix 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 **EDBs** will implement best practice asset management processes.*

AMP design

1. The core elements of asset management—
 - 1.1 A focus on performance measurement, monitoring and continuous improvement of asset management practices;
 - 1.2 Close alignment with corporate vision and strategy;
 - 1.3 That asset management is driven by clearly defined strategies, business objectives and service level targets;
 - 1.4 That responsibilities and accountabilities for asset management are clearly assigned;
 - 1.5 An emphasis on knowledge of what assets are owned and why, the location of the assets and the condition of the assets;
 - 1.6 An emphasis on optimising asset utilisation and performance;
 - 1.7 That a total life cycle approach should be taken to asset management;
 - 1.8 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 communicated to all stakeholders;
 - 2.3 Contain sufficient information to allow interested persons to make an informed judgement about the extent to which the **EDB’s** asset management processes meet best practice criteria 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 Use unambiguous and consistent definitions of asset management processes to enhance comparability of asset management practices over time and between **EDBs**;
- 2.11 Promote continual improvements to asset management practices.

*Disclosing an **AMP** does not constrain an **EDB** from managing its assets in a way that differs from the **AMP** if its circumstances change after preparing the plan or if the **EDB** 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 **EDB** considers significant
 - 3.2 Details of the background and objectives of the **EDB's** asset management and planning processes including the purpose statement in clause 3.3 of this appendix.
 - 3.3 A purpose statement which:
 - 3.3.1 makes clear the purpose and status of the **AMP** in the **EDB's** asset management practices. The purpose statement must also include a statement of the objectives of the asset management and planning processes
 - 3.3.2 states the corporate mission or vision as it relates to asset management
 - 3.3.3 identifies the documented plans produced as outputs of the annual business planning process adopted by the **EDB**
 - 3.3.4 states how the different documented plans relate to one another, with particular reference to any plans specifically dealing with asset management
 - 3.3.5 includes a description of the interaction between the objectives of the **AMP** and other corporate goals, business planning processes, and plans

*The purpose statement should be consistent with the **EDB'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 required to be disclosed

*Good asset management practice recognises the greater accuracy of short-to-medium term planning, and will allow for this in the **AMP**. The **AMPs** 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 stakeholder interests (owners, **consumers** etc) which identifies important stakeholders and indicates:
- 3.6.1 how the interests of stakeholders are identified
 - 3.6.2 what these interests are
 - 3.6.3 how these interests are accommodated in asset management practices
 - 3.6.4 how conflicting interests are managed
- 3.7 A description of the accountabilities and responsibilities for asset management on at least 3 levels, including:
- 3.7.1 governance—a description of the extent of **director** approval required for key asset management decisions and the extent to which asset management outcomes are regularly reported to **directors**
 - 3.7.2 executive—an indication of how the in-house asset management and planning organisation is structured
 - 3.7.3 field operations—an overview of how field operations are managed, including a description of the extent to which field work is undertaken in-house and the areas where outsourced contractors are used
- 3.8 All significant assumptions
- 3.8.1 quantified where possible
 - 3.8.2 clearly identified in a manner that makes their significance understandable to interested persons
 - 3.8.3 a description of changes proposed where the information is not based on the **EDB's** existing business

- 3.8.4 set out the sources of uncertainty and the potential effect of the uncertainty on the prospective information
- 3.8.5 include the price inflator assumptions used to prepare the financial information disclosed in **nominal New Zealand dollars** in the Network Expenditure AMP Report set out in Schedule 14.
- 3.9 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
- 3.10 An overview of asset management strategy and delivery
- To support the AMMAT disclosure and assist interested persons to assess the maturity of asset management strategy and delivery, the AMP should identify:*
- *how the asset management strategy is consistent with the supplier's other strategy and policies;*
 - *how the asset strategy takes into account the life cycle of the assets;*
 - *the link between the asset management strategy and the AMP;*
 - *processes that ensure costs, risks and system performance will be effectively controlled when the AMP is implemented.*
- 3.11 An overview of systems and information management data
- To support the AMMAT disclosure and assist interested persons to assess the maturity of systems and information management, the AMP should describe:*
- *the processes used to identify asset management data requirements that cover the whole of life cycle of the assets;*
 - *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;*
 - *the systems and controls to ensure the quality and accuracy of asset management information; and*
 - *the extent to which these systems, processes and controls are integrated.*
- 3.12 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.*

3.13 A description of the processes used within the **EDB** for:

3.13.1 managing routine asset inspections and **network** maintenance

3.13.2 planning and implementing **network** development projects

3.13.3 measuring **network** performance.

3.14 an overview of asset management documentation, controls and review processes

*To support the AMMAT disclosure and assist interested persons to assess the maturity of asset management documentation, controls and review processes, the **AMP** should:*

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

3.15 An overview of communication and participation processes

*To support the AMMAT disclosure and assist interested persons to assess the maturity of asset management documentation, controls and review processes, the **AMP** should:*

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

3.16 The **AMP** must present all financial values in **nominal New Zealand dollars**;

- 3.17 The **AMP** must be structured and presented in a way that the **EDB** considers will support the purposes of **AMP disclosure** set out in clause 2 above.

Assets covered

4. The **AMP** must provide details of the assets covered, including:
- 4.1 a high-level description of the service areas covered by the **EDB** and the degree to which these are interlinked, including:
- 4.1.1 the region(s) covered
- 4.1.2 identification of large **consumers** that have a significant impact on network operations or asset management priorities
- 4.1.3 description of the load characteristics for different parts of the **network**
- 4.1.4 peak demand and total energy delivered in the previous year, broken down by **sub-network**, if any.
- 4.2 a description of the **network** configuration, including:
- 4.2.1 identifying bulk electricity supply points and any embedded generation with a capacity greater than 1 MW. State the existing firm supply capacity and current peak load of each bulk electricity supply point;
- 4.2.2 a description of the **subtransmission** system fed from the bulk electricity supply points, including the capacity of **zone substations** and the voltage(s) of the **subtransmission network(s)**. The **AMP** must identify the extent to which individual **zone substations** have n-x **subtransmission** security;
- 4.2.3 a description of the distribution system, including the extent to which it is underground;
- 4.2.4 a brief description of the **network's** distribution substation arrangements;
- 4.2.5 a description of the **low voltage network** including the extent to which it is underground; and
- 4.2.6 an overview of secondary assets such as protection relays, ripple injection systems, SCADA and telecommunications systems.

*To help clarify the network descriptions, the **AMP** should contain **network maps** and a **single line diagram** of the **subtransmission network**.*

- 4.3 If **sub-networks** exist, the **network** configuration information referred to in subclause 4.2 above must be disclosed for each **sub-network**.

Network assets by category

- 4.4 The **AMP** must describe the **network** assets by providing the following information for each **asset category**:
- 4.4.1 voltage levels;
 - 4.4.2 description and quantity of assets;
 - 4.4.3 age profiles;
 - 4.4.4 value of the assets in the category; and
 - 4.4.5 a discussion of the condition of the assets, further broken down into more detailed categories as considered appropriate. Systemic issues leading to the premature replacement of assets or parts of assets should be discussed.
- 4.5 The **asset categories** discussed in subclause 4.4 above should include at least the following:
- 4.5.1 the categories listed in the Network Asset AMP Report set out in Schedule 16;
 - 4.5.2 assets owned by the **EDB** but installed at bulk supply points owned by others;
 - 4.5.3 **EDB** owned mobile substations and generators whose function is to increase supply reliability or reduce peak demand; and
 - 4.5.4 other generation plant owned by the **EDB**.

Service Levels

5. 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**.
6. For non-exempt **EDBs**, performance indicators for which targets have been defined in clause 5 above must include the **SAIDI** assessed value and the **SAIFI** assessed value required under the price quality path determination applying to the regulatory assessment period in which the next **disclosure year** falls.
7. Performance indicators for which targets have been defined in clause 5 above should also include:

- 7.1 **Consumer** oriented indicators that preferably differentiate between different categories of **consumer**;
- 7.2 Indicators of asset performance, asset efficiency and effectiveness, and service efficiency, such as technical and financial performance indicators related to the efficiency of asset utilisation and operation.
- 8. 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.
- 9. Targets should be compared to historic values where available to provide context and scale to the reader.
- 10. Where forecast expenditure is expected to materially affect performance against a target defined in clause 5 above, the target should be consistent with the expected change in the level of performance.

Network Development Planning

- 11. **AMPs** must provide a detailed description of **network** development plans, including—
 - 11.1 A description of the planning criteria and assumptions for **network** development;
 - 11.2 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.
 - 11.3 A description of strategies or processes (if any) used by the supplier that promote cost efficiency through the use of standardised assets and designs;
 - 11.4 The use of standardised designs may lead to improved cost efficiencies. This section should discuss:
 - 11.4.1 the categories of assets and designs that are standardised;
 - 11.4.2 the approach used to identify standard designs.
 - 11.5 A description of strategies or processes (if any) used by the **EDB** that promote the energy efficient operation of the **network**.

*The energy efficient operation of the **network** could be promoted, for example, through **network** design strategies, demand side management strategies and asset purchasing strategies.*

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

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

- 11.7 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.

- 11.8 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;

11.8.1 explain the load forecasting methodology and indicate all the factors used in preparing the load estimates;

11.8.2 provide separate forecasts to at least the **zone substation** level covering at least a minimum 5 year forecast period. Discuss how uncertain but substantial individual projects/developments that affect load are taken into account in the forecasts, making clear the extent to which these uncertain increases in demand are reflected in the forecasts;

11.8.3 identify any **network** or equipment constraints that may arise due to the anticipated growth in demand during the **AMP planning period**; and

11.8.4 discuss the impact on the load forecasts of any embedded generation or anticipated levels of distributed generation in a **network**, and the projected impact of any demand management initiatives.

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

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

11.9.2 the alternative options proposed for projects that are planned to start in the next 5 years and the potential for non-network solutions described;

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

12. **AMPs** must include a description and identification of the **network** development programme including distributed generation and non-network

solutions and actions to be taken, including associated expenditure projections. The **network** development plan must include:

- 12.1 A detailed description of the projects currently underway or planned to start within the next 12 months;
- 12.2 A summary description of the projects planned for the next 4 years; and
- 12.3 An overview of the projects being considered for the remainder of the **AMP planning period**.

*For projects included in the **AMP** where decisions have been made, the reasons for choosing the selected option should be stated which should include how target levels of service will be impacted. For other projects planned to start in the next 5 years, alternative options should be discussed, including the potential for non-network approaches to be more cost effective than **network** augmentations.*

- 13. **AMPs** must describe the **EDB's** policies on distributed generation, including the policies for connecting embedded generation. The impact of such generation on network development plans must also be stated.
- 14. **AMPs** must discuss the **EDB's** policies on non-network solutions, including:
 - 14.1 Economically feasible and practical alternatives to conventional **network** augmentation. These are typically approaches that would reduce **network** demand and/or improve asset utilisation; and
 - 14.2 The potential for non-network solutions to address **network** problems or constraints.

Lifecycle Asset Management Planning (Maintenance and Renewal)

- 15. The **AMP** must provide a detailed description of the lifecycle asset management processes, including—
 - 15.1 The key drivers for maintenance planning and assumptions;
 - 15.2 Identification of **routine and corrective maintenance and inspection** policies and programmes and actions to be taken for each **asset category**, including associated expenditure projections. This must include:
 - 15.2.1 the approach to inspecting and maintaining each **asset category**, including a description of the types of inspections, tests and condition monitoring carried out and the intervals at which this is done;
 - 15.2.2 any systemic problems identified with any particular asset types and the proposed actions to address these problems; and

15.2.3 budgets for maintenance activities broken down by **asset category** for the **AMP planning period**.

15.3 Identification of asset refurbishment and renewal policies and programmes and actions to be taken for each **asset category**, including associated expenditure projections. This must include:

15.3.1 the processes used to decide when and whether an asset is replaced or refurbished, including a description of the factors on which decisions are based;

15.3.2 a description of the projects currently underway or planned for the next 12 months;

15.3.3 a summary of the projects planned for the following 4 years; and

15.3.4 an overview of other work being considered for the remainder of the **AMP planning period**.

Risk Management

16. **AMPs** must provide details of risk policies, assessment, and mitigation, including—

16.1 Methods, details and conclusions of risk analysis;

16.2 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;

16.3 A description of the policies to mitigate or manage the risks of events identified in subclause 16.2 above;

17. Details of emergency response and contingency plans.

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

18. Details of any insurance cover for the assets, including:

18.1 The **EDB's** approaches and practices in regard to the insurance of assets, including the level of insurance;

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

Evaluation of performance

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

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

- *referring to the most recent disclosures made under clause 5 of section 2.5, discussing any significant differences and highlighting reasons for substantial variances;*
- *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;*
- *commenting on progress against maintenance initiatives and programmes and discuss the effectiveness of these programmes noted.*

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

- *in particular, comparing the actual and target service level performance for all the targets discussed under the Service Levels section of the **AMP** over the previous 5 years and explain any significant variances;*

- 19.3 An evaluation and comparison of the results of the asset management maturity assessment disclosed in the AMMAT Report set out in Schedule 17 against relevant objectives of the **EDB's** asset management and planning processes.

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

Capability to deliver

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

- 20.1 The **AMP** is realistic and the objectives set out in the plan can be achieved;
- 20.2 The organisation structure and the processes for authorisation and business capabilities will support the implementation of the **AMP** plans.

AMMAT Report

21. Each supplier must complete the AMMAT Report set out in Schedule 17. The **EDB** must ensure that the person responsible for managing network assets (or a similar level individual) in the organisation takes responsibility for completing and maintaining the AMMAT, including:

21.1 Organising people within the organisation to answer the questions;

21.2 Arranging for all information to be captured within the AMMAT;

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

21.4 Planning the assessment process, including:

21.4.1 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;

21.4.2 arranging for appropriate outsourced service providers and stakeholders to act as respondents during the assessment exercise;

21.4.3 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;

21.4.4 identifying which questions are to be asked of which respondents.

*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 **EDB**. In particular, it helps employees and **EDBs** to understand and improve asset management concepts and processes.*

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

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

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

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.

*The definitions provided in the AMMAT for each maturity rating should provide sufficient information for an **EDB** to objectively identify the level currently being achieved by the organisation.*

22. Cells in the following columns in the AMMAT Report set out in Schedule 17 must be filled out:

‘User guidance’: guidance (if required) on completing each question of the AMMAT.

This column can be used by the person responsible for completing and maintaining the AMMAT to provide guidance to the persons coordinating responses to each question.

‘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.

Each EDB must specify in the AMMAT Report the standard of asset management practice that the EDB has used as the reference standard.

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

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

Appendix B Information Requirements for Engineer's Report

1. The report must be completed by an 'engineer' as defined in clause 1.1.4 of the **IM determination** in respect of the 'asset adjustment process' for setting the initial **RAB** for an **EDB** as set out in clause 2.2.1 of the **IM determination**.
2. The report must:
 - (a) be in writing and be accessible in electronic (PDF file-type) format;
 - (b) include a copy of the written instructions provided to the engineer by the **EDB**, including any subsequent variations or modifications;
 - (c) include a table summarising the various asset value adjustments and corresponding to Schedule A4 of the Information Disclosure Notice Templates;
 - (d) provide the minimum information for each category of asset adjustment outlined in Table 1 below, together with such additional information sufficient to allow a reader of the report:
 - (i) to understand the data, information, calculations and assumptions employed in respect of each category of asset adjustment;
 - (ii) to understand the extent to which professional judgement was exercised by the engineer and the effect of that judgement in deriving the resultant asset values; and
 - (iii) to verify the arithmetical accuracy of the asset adjustment calculations.
 - (e) include a signed statement by the engineer that:
 - (i) the ODV rules have been properly applied for assets which had not had an ODV valuation calculated originally as required by clause 2.2.1 of the **IM determination**;
 - (ii) where values under **GAAP** have been relied on, those values have been supplied or reviewed by an appropriately qualified party (e.g. accounting practitioner); and
 - (iii) the report meets the requirements of this Appendix B.

Table 1: Minimum Information Requirements for Adjustments to Assets

Category of adjustment	EDB IM cl. ref	Designated asset type	Minimum information requirements
Include load control relay	2.2.1(2)(a)	Included	<p>Number and description of load control relays</p> <p>Relevant depreciated historic cost of each asset or where sufficient records do not exist to establish this cost, their depreciated carrying value in the general purpose financial statements of the EDB</p>
Correct asset register errors	2.2.1(2)(b)	Included	<p>Description of each asset (or asset type where assets are substantially similar)</p> <p>Value of the asset (or sum value of each similar asset type) as of the day the asset enters the regulatory asset register, being the value that would have resulted from applying the Electricity Information Disclosure Requirements 2004 for assets commissioned prior to 1 April 2004 and from applying the Electricity Distribution (Information Disclosure) Requirements for assets commissioned from 1 April 2004 to 31 March 2009</p>
		Excluded	<p>Description of each asset (or asset type where assets are substantially similar)</p> <p>Value of each asset (or asset type where assets are substantially similar) as of the day the asset entered the regulatory asset register</p>
		Value modified	<p>Description of each asset (or asset type where assets are substantially similar) and type of error (incorrect asset category, incorrect estimation of quantity, age, category or location now known to be incorrect)</p> <p>Value of each asset (or asset type where assets are substantially similar) as of the day the asset entered the regulatory asset register</p> <p>Calculation of relevant adjustment to value in order to correct for the error</p> <p>Resultant 'modified value' for each asset (or sum value of each similar asset type) as of the day the asset entered the regulatory asset register</p>

Category of adjustment	EDB IM cl. ref	Designated asset type	Minimum information requirements
Re-apply existing multiplier	2.2.1(2)(c)	Value modified	<p>Description of each asset (or asset type where assets are substantially similar)</p> <p>ODV valuation for each asset (or asset type where assets are substantially similar) and multiplier originally applied</p> <p>Description of the more accurate information relating to the application of a multiplier, including supporting facts, data, calculations and assumptions where relevant</p> <p>Calculation of relevant modification to ODV valuation in order to be consistent with the more accurate information</p> <p>Resultant 'modified value' at 2004 ODV value for each asset (or sum value of each similar asset type)</p>
Re-apply a modified multiplier	2.2.1(2)(d)	Value modified	<p>Description of each asset (or asset type where assets are substantially similar)</p> <p>ODV valuation for each asset (or asset type where assets are substantially similar) and multiplier originally applied</p> <p>Specification of the alternative multiplier (rugged terrain, business district, rocky ground) and the reason for selecting the value of the multiplier within the range specified in clause 2.2.1(2)(d) of the IM Determination</p> <p>Details of supporting facts, data, calculations and assumptions where relevant to support the reason</p> <p>Calculation of relevant modification to ODV valuation in order to be consistent with the modified multiplier</p> <p>Resultant 'modified value' at 2004 ODV value for each asset (or sum value of each similar asset type)</p>

Category of adjustment	EDB IM cl. ref	Designated asset type	Minimum information requirements
Re-apply optimisation or economic value test	2.2.1(2)(e)	Included	<p>Description of each asset (or asset type where assets are substantially similar)</p> <p>Value of each asset in the 2004 ODV Valuation (or asset type where assets are substantially similar)</p> <p>Value of each asset (or asset type where assets are substantially similar) in the ODV Valuation had the assets not been-</p> <p>optimised in accordance with paragraphs 2.18 – 2.47 and Appendix B of the ODV Handbook; or</p> <p>subject to the economic value test in accordance with paragraphs 2.59 – 2.65 of the ODV Handbook</p> <p>Value of each asset (or asset type where assets are substantially similar) after reapplying the optimisation or economic value test in light of more up-to-date information that has subsequently become available</p> <p>Details of supporting facts, data, calculations and assumptions where relevant to support the reapplication of the optimisation or economic value test</p> <p>Resultant 'included value' at 2004 ODV value for each asset (or sum value of each similar asset type)</p>
		Excluded	<p>Description of each asset (or asset type where assets are substantially similar)</p> <p>Value of each asset at 2004 ODV value (or asset type where assets are substantially similar)</p>

Category of adjustment	EDB IM cl. ref	Designated asset type	Minimum information requirements
		Value modified	<p>Description of each asset (or asset type where assets are substantially similar)</p> <p>Value of each asset in the 2004 ODV Valuation (or asset type where assets are substantially similar)</p> <p>Value of each asset (or asset type where assets are substantially similar) had the assets not been- optimised in accordance with paragraphs 2.18 – 2.47 and Appendix B of the ODV Handbook; or</p> <p>subject to the economic value test in accordance with paragraphs 2.59 – 2.65 of the ODV Handbook</p> <p>Value of each asset (or asset type where assets are substantially similar) after reapplying the optimisation or economic value test in light of more up-to-date information that has subsequently become available</p> <p>Details of supporting facts, data, calculations and assumptions where relevant to support the reapplication of the optimisation or economic value test</p> <p>Resultant 'modified value' at 2004 ODV value for each asset (or sum value of each similar asset type)</p>

Appendix C **Pricing Principles (as published by the Electricity Commission¹ and adopted by the Electricity Authority)**

1. **Prices** are to signal the economic cost of service provision, by:
 - 1.1. Being subsidy free (equal to or greater than incremental costs, and less than or equal to standalone costs), except where subsidise arise from compliance with legislation and/or other regulation
 - 1.2. Having regard, to the extent practicable, to the level of available service capacity
 - 1.3. Signalling, to the extent practicable, the impact of additional usage on future investment costs.
2. Where **prices** based on 'efficient' incremental costs would under-recover allowed revenues, the shortfall should be made up by setting **prices** in a manner that has regard to **consumers'** demand responsiveness, to the extent practicable.
3. Provided that **prices** satisfy clause 1 above, **prices** should be responsive to the requirements and circumstances of stakeholders in order to:
 - 3.1 Discourage uneconomic bypass
 - 3.2 Allow for negotiation to better reflect the economic value of services and enable stakeholders to make price/quality trade-offs or non-standard arrangements for services
 - 3.3 Where **network** economics warrant, and to the extent practicable, encourage investment in transmission distribution alternatives (e.g. distributed generation or demand response) and technology innovation.
4. Development of **prices** should be transparent, promote price stability and certainty for stakeholders, and changes to **prices** should have regard to the impact on stakeholders.
5. Development of **prices** should have regard to the impact of transmission costs on retailers, **consumers** and other stakeholders and should be economically equivalent across retailers.

¹ Electricity Commission, *Distribution Pricing Principles and Information Disclosure Guidelines*, February 2010.

Schedule 1 Report on Return on Investment

Company Name						
Disclosure Year Ended						
SCHEDULE 1: REPORT ON RETURN ON INVESTMENT						
ref						
6	1a: Return on Investment		CY-2	CY-1	Current Year	
7					CY	
8	Post tax WACC		%	%	%	
9	ROI—comparable to a post tax WACC					—
10						
11	Mid-point estimate of post tax WACC					
12	25th percentile estimate					
13	75th percentile estimate					
14						
15						
16	Vanilla WACC					
17	ROI—comparable to a vanilla WACC					—
18						
19	Mid-point estimate of vanilla WACC					
20	25th percentile estimate					
21	75th percentile estimate					
22						
23	Commentary on profitability					
24						
25						
26						
27						
28						
29						
30						
31						
32						
33						
34						
35						
36						
37						
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Company Name			
Disclosure Year Ended			
SCHEDULE 1: REPORT ON RETURN ON INVESTMENT (cont)			
ref			
72	1b: Information Supporting the ROI		(\$000)
73			
74	Total opening RAB value		
75	plus Opening deferred tax		
76	Opening RIV		
77			
78	Operating surplus / (deficit)		
79	less Regulatory tax allowance		
80	less Assets commissioned		
81	plus Asset disposals		
82	Notional net cash flows		
83			
84	Total closing RAB value		
85	less Adjustment resulting from asset allocation		
86	less Lost and found assets adjustment		
87	plus Closing deferred tax		
88	Closing RIV		
89	less Term credit spread differential		
91			
92	ROI—comparable to a vanilla WACC		
93			
94	Leverage (%)		44%
95	Cost of debt assumption (%)		
96	Corporate tax rate (%)		
97			
98	ROI—comparable to a post tax WACC		
99			
100	1c: Information Supporting the Alternative ROI - Elective Disclosure		
101			
102	Cash flows	Revenue	Expenses
103			
104	April		
105	May		
106	June		
107	July		
108	August		
109	September		
110	October		
111	November		
112	December		
113	January		
114	February		
115	March		
116			
117	RIV and other	RAB	Adjustment resulting from asset allocation
118			
119			
120	Alternative opening RIV		
121			
122	Alternative closing RIV		
123			
124	Term credit spread differential allowance		
125			
126	Alternative ROI—comparable to a vanilla WACC		
127			
128	Alternative ROI—comparable to a post-tax WACC		
129			

Schedule 2 Report on Regulatory Profit

Company Name		
Disclosure Year Ended		
SCHEDULE 2: REPORT ON REGULATORY PROFIT		
ref		
6	2a: Regulatory Profit	(\$000)
7	Income	
8	Net line charge revenue	<div style="border: 1px solid black; height: 15px; width: 100%;"></div>
9	Discretionary discounts and customer rebates	<div style="border: 1px solid black; height: 15px; width: 100%;"></div>
10	Gross line charge revenue	<div style="border: 1px solid black; padding: 2px 5px;">—</div>
11		
12	Gains / (losses) on asset sales	<div style="border: 1px solid black; height: 15px; width: 100%;"></div>
13	Other regulated income (other than above)	<div style="border: 1px solid black; height: 15px; width: 100%;"></div>
14	Other regulated income	<div style="border: 1px solid black; padding: 2px 5px;">—</div>
15		
16	Total regulatory income	<div style="border: 1px solid black; padding: 2px 5px;">—</div>
17	Expenses	
18	<i>less</i> Operational expenditure	<div style="border: 1px solid black; height: 15px; width: 100%;"></div>
19		
20	<i>less</i> Pass-through and recoverable costs	<div style="border: 1px solid black; height: 15px; width: 100%;"></div>
21		
22	Operating surplus / (deficit)	<div style="border: 1px solid black; padding: 2px 5px;">—</div>
23		
24	<i>less</i> Total depreciation	<div style="border: 1px solid black; padding: 2px 5px;">—</div>
25		
26	<i>plus</i> Total CPI revaluations	<div style="border: 1px solid black; padding: 2px 5px;">—</div>
27		
28	Regulatory profit / (loss) before tax	<div style="border: 1px solid black; padding: 2px 5px;">—</div>
29		
30	<i>less</i> Regulatory tax allowance	<div style="border: 1px solid black; padding: 2px 5px;">—</div>
31		
32	Regulatory profit / (loss)	<div style="border: 1px solid black; padding: 2px 5px;">—</div>
33	<i>Commentary on regulatory profit</i>	
34		
35		
36		
37		
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	Company Name	
	Disclosure Year Ended	

SCHEDULE 2: REPORT ON REGULATORY PROFIT (cont)

ref			
60			
61	2b: Pass-through and recoverable costs		(\$000)
62			
63	Pass-through costs		
64	Rates		
65	Levies		
66	Other specified pass-through costs		
67	Recoverable costs		
68	Net recoverable costs allowed under incremental rolling incentive scheme		
69	Non-exempt EDB electricity lines service charge payable to Transpower		
70	Transpower new investment contract charges		
71	System operator services		
72	Avoided transmission charge		
73	Input Methodology claw-back		
74	Recoverable customised price-quality path costs		
75	Pass-through and recoverable costs		—
76			
77	2d: Incremental Rolling Incentive Scheme		
78		CY-1	CY
79		[year]	
80	Allowed controllable opex		
81	Actual controllable opex		
82			
83	Incremental gain/(loss) in year		
84			
85		Previous years'	Previous years'
86		incremental	incremental
87		gain/(loss)	gain/(loss)
88			adjusted for
89			inflation
90	CY-5 [year]		
91	CY-4 [year]		
92	CY-3 [year]		
93	CY-2 [year]		
94	CY-1 [year]		
95	Net incremental rolling incentive scheme		—
96			
97	Net recoverable costs allowed under incremental rolling incentive scheme		
98			
99	2b: Merger and acquisition costs		
100	Merger and acquisition expenses		
101			
102	<i>Commentary on benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with section 2.3</i>		
103			
104			
105	2b: Other disclosures		
106			
107	Capital contributions		
108			
109	Net value of vested assets		
110			
111	Self-insurance allowance		
112			

Schedule 3**Report on Regulatory Tax Allowance**

Company Name
Disclosure Year Ended

SCHEDULE 3: REPORT ON REGULATORY TAX ALLOWANCE

ref				
6	3a: Regulatory Tax Allowance			(\$000)
7	Regulatory profit / (loss) before tax			—
8				
9	<i>plus</i> Income not included in regulatory profit / (loss) before tax but taxable		*	
10	Expenditure or loss in regulatory profit / (loss) before tax but not deductible		*	
11	Amortisation of initial differences in asset values	—		
12	Amortisation of revaluations	—		
13				—
14				
15	<i>less</i> Income included in regulatory profit / (loss) before tax but not taxable		*	
16	Expenditure or loss deductible but not in regulatory profit / (loss) before tax		*	
17	Discretionary discounts and customer rebates			
18	Notional deductible interest	—		
19				—
20				
21	Regulatory taxable income			—
22				
23	<i>less</i> Utilised tax losses			
24	Regulatory net taxable income			—
25				
26	Corporate tax rate (%)			
27	Regulatory tax allowance			—
28	* Workings to be provided in Schedule 3(b)(i)			
29	3b: Notes to the Report			
30	3b(i): Disclosure of Permanent Differences			
31	Provide descriptions and workings of items recorded in the asterisked categories in Schedule 3a.			
32				
33				
34				
35				
36				
37				
38				
39				
40				
41				
42	3b(ii): Amortisation of Initial Difference in Asset Values			(\$000)
43				
44	Opening unamortised initial differences in asset values			
45	Amortisation of initial differences in asset values	—		
46	Adjustment for unamortised initial differences in assets acquired			
47	Adjustment for unamortised initial differences in assets disposed			
48	Closing unamortised initial difference in asset values			—
49				
50	Weighted average remaining asset life (years)			
51	3b(iii): Amortisation of Revaluations			(\$000)
52				
53	Total depreciation			—
54	Adjusted depreciation			
55	Amortisation of Revaluations			—
56				

Company Name			
Disclosure Year Ended			
SCHEDULE 3: REPORT ON REGULATORY TAX ALLOWANCE (cont)			
ref			
63	3b(iv): Reconciliation of Tax Losses		(\$000)
64			
65	Opening tax losses	—	
66	plus Current period tax losses		
67	less Utilised tax losses		
68	Closing tax losses		—
69	3b(v): Calculation of Deferred Tax Balance		(\$000)
70			
71	Opening deferred tax		
72			
73	plus Tax effect of adjusted depreciation		
74			
75	less Tax effect of total tax depreciation		
76			
77	plus Tax effect of other temporary differences*		
78			
79	less Tax effect of amortisation of initial differences in asset values	—	
80			
81	plus Deferred tax balance relating to assets acquired in the disclosure year		
82			
83	less Deferred tax balance relating to assets disposed in the disclosure year		
84			
85	plus Deferred tax cost allocation adjustment		
86			
87	Closing deferred tax		—
88			
89	3b(vi): Disclosure of Temporary Differences		
90			
91	<i>Provide descriptions and workings of items recorded in the asterisked category in Schedule 3b(v) above.</i>		
92			
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109			
110	3b(vii): Tax Depreciation Roll-Forward		
111			(\$000)
112	Opening RAB (tax value)		
113	plus Regulatory tax asset value of assets commissioned		
114	less Regulatory tax asset value of asset disposals		
115	less Tax depreciation		
116	plus Other adjustments to the RAB tax value		
117	Closing RAB (tax value)		—
118			

Schedule 4

Report on Term Credit Spread Differential Allowance

SCHEDULE 4: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE										Company Name		
										Disclosure Year Ended		
6	4. Allowance for Term Credit Spread Differential											
7	This schedule is only to be completed if at the date of the most recently published financial statements, the weighted average original tenor of the EDB's debt portfolio (both qualifying debt and non-qualifying debt) is greater than five years											
8	4(a): Non-qualifying Debt											
9												
10	Issuing party (or other identifying information)	Issue date	Pricing date	Original tenor (in years)	Coupon rate (%)	Book value at issue date (NZD)	Book value at date of financial statements (NZD)					
11												
12												
13												
14												
15												
16	4(b): Qualifying Debt											
17												
18												
19	Issuing party (or other identifying information)	Issue date	Pricing date	Original tenor (in years)	Coupon rate (%)	Book value at issue date (NZD)	Book value at date of financial statements (NZD)	Term Credit Spread Difference	Cost of executing an interest rate swap	Debt issue cost readjustment		
20												
21												
22												
23												
24												
25	4(c): Attribution of Term Credit Spread Differential											
26												
27												
28												
29	Gross term credit spread differential											
30												
31	Book value of interest bearing debt											
32	Leverage											
33	Average opening and closing RAB values											
34	Attribution Rate (%)											
35												
36	Term credit spread differential allowance											
37												

Schedule 5

Report on Regulatory Asset Base Roll Forward

		Company Name <input type="text"/>				
		Disclosure Year Ended <input type="text"/>				
SCHEDULE 5: REPORT ON REGULATORY ASSET BASE ROLL FORWARD						
ref						
6	5a: Regulatory Asset Base Roll Forward	RAB	RAB	RAB	RAB	RAB
7		CY-4	CY-3	CY-2	CY-1	CY
8		(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
9	Total opening RAB value	<input type="text"/>	<input type="text" value="-"/>	<input type="text" value="-"/>	<input type="text" value="-"/>	<input type="text" value="-"/>
10						
11	<i>less</i> Total depreciation	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="-"/>
12						
13	<i>plus</i> Total CPI revaluations	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="-"/>
14						
15	<i>plus</i> Assets commissioned	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="-"/>
16						
17	<i>less</i> Asset disposals	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="-"/>
18						
19	<i>plus</i> Lost and found assets adjustment	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="-"/>
20						
21	<i>plus</i> Adjustment resulting from asset allocation	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text" value="-"/>
22						
23	Total closing RAB value	<input type="text" value="-"/>	<input type="text" value="-"/>	<input type="text" value="-"/>	<input type="text" value="-"/>	<input type="text" value="-"/>
24						
25	5b: Unallocated Regulatory Asset Base					
26						
27		Unallocated RAB *		RAB		
28		(\$000)	(\$000)	(\$000)	(\$000)	
29	Total opening RAB value		<input type="text"/>		<input type="text"/>	
30	<i>less</i> Total depreciation		<input type="text" value="-"/>		<input type="text" value="-"/>	
31	<i>plus</i> Total CPI revaluations		<input type="text" value="-"/>		<input type="text" value="-"/>	
32						
33	<i>plus</i> Assets commissioned (other than below)	<input type="text"/>		<input type="text"/>		
34	Assets acquired from a regulated supplier	<input type="text"/>		<input type="text"/>		
35	Assets acquired from a related party	<input type="text"/>		<input type="text"/>		
36	Assets commissioned		<input type="text" value="-"/>		<input type="text" value="-"/>	
37	<i>less</i> Asset disposals (other than below)	<input type="text"/>		<input type="text"/>		
38	Asset disposals to a regulated supplier	<input type="text"/>		<input type="text"/>		
39	Asset disposals to a related party	<input type="text"/>		<input type="text"/>		
40	Asset disposals		<input type="text" value="-"/>		<input type="text" value="-"/>	
41	<i>plus</i> Lost and found assets adjustment		<input type="text"/>		<input type="text"/>	
42						
43	<i>plus</i> Adjustment resulting from asset allocation				<input type="text" value="-"/>	
44						
45	Total closing RAB value		<input type="text" value="-"/>		<input type="text" value="-"/>	
46						
47						
48						
49	Commentary on regulatory asset base					
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* The 'unallocated RAB' is the total value of those assets used wholly or partially to provide electricity distribution services without any allowance being made for the allocation of costs to non-regulated services. The RAB value represents the value of these assets after applying this cost allocation. Neither value includes works under construction.

SCHEDULE 5: REPORT ON REGULATORY ASSET BASE ROLL FORWARD (cont)									
Company Name Disclosure Year Ended									
ref	5c(vi): Disclosure by Asset Category								
	Sub transmission	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other system fixed assets	Other assets	Total
125									
126									
127									
128									
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Schedule 6

Report on Expenditure

Company Name			
Disclosure Year Ended			
SCHEDULE 6: REPORT ON EXPENDITURE			
ref			
6			
7	6a: Capital expenditure		(\$000)
8			
9	Customer connection		
10	System growth		
11	Quality of supply		
12	Asset replacement and renewal		
13	Asset relocations		
14	Legislative and regulatory		
15	Non-system fixed assets		
16	Gross capital expenditure		
17	Capital contributions		
18	Net value of vested assets		
19	Capital expenditure		
20			
21	6a(i): Customer Connection		
22		Overhead	Underground
23			Total
24	Domestic		
25	Non-domestic		
26	Distributed/embedded generation		
27	Customer connection total		
28			
29	6a(ii): System Growth and Asset Replacement and Renewal		
30			Asset Replacement and Renewal
31		System Growth	
32	Subtransmission		
33	Overhead Lines		
34	Underground Cables		
35	Zone substations		
36	Subtransmission transformers		
37	Zone substation switchgear		
38	Subtransmission total		
39	Distribution		
40	Distribution Line		
41	Distribution Cable		
42	Distribution transformers (PM)		
43	Distribution transformers (GM)		
44	Distribution switchgear		
45	Distribution substations (GM with housing)		
46	Distribution total		
47	Low voltage		
48	Overhead Lines		
49	Underground Cables		
50	Low voltage total		
51	Secondary assets		
52	Protection		
53	SCADA and Communications		
54	Secondary assets total		
55	Other assets		
56	Load control equipment		
57	Civils - cable tunnels		
58	Other assets total		
59	Total		
60			

Company Name			
Disclosure Year Ended			
SCHEDULE 6: REPORT ON EXPENDITURE (cont)			
ref			
67	6a(iii): Quality of Supply		(\$000)
68			
69	Project		
70	[Description of project]		
71	[Description of project]		
72	[Description of project]		
73	[Description of project]		
74	[Description of project]		
75	Other		
76	Quality of supply total		—
77			
78	6a(iv): Asset relocations		
79			
80	LV System		
81	HV Distribution System		
82	HV Subtransmission System		
83	Asset relocations total		—
84			
85	6a(v): Legislative and regulatory		
86			
87	Legislative or regulatory requirement		
88	[Description of legislative or regulatory requirement]		
89	[Description of legislative or regulatory requirement]		
90	[Description of legislative or regulatory requirement]		
91	[Description of legislative or regulatory requirement]		
92	[Description of legislative or regulatory requirement]		
93	Other		
94	Legislative and regulatory total		—
95			
96	6a(vi): Non-system fixed assets		
97			
98	Routine expenditure		
99	Atypical expenditure		
100	[Description of project]		
101	[Description of project]		
102	[Description of project]		
103	Atypical expenditure total		—
104	Non-system fixed assets total		—
105			

Company Name		
Disclosure Year Ended		
SCHEDULE 6: REPORT ON EXPENDITURE (cont)		
ref		
170	6b: Operational Expenditure	(\$000)
171		
172	Service interruptions, incidents and emergencies	
173	Vegetation management	
174	Routine and corrective maintenance and inspection	
175	System operations	
176	Network support	
177	Business support	
178	Direct billing	
179	Operational expenditure	—
180	Commentary on operational expenditure, including required disclosures in accordance with section 2.3	
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Schedule 7

Report on Expenditure Forecasts

		Company Name				
		Disclosure Year Ended				
SCHEDULE 7: REPORT ON EXPENDITURE FORECASTS						
(\$000 unless otherwise specified)						
6	Comparison of forecasts to actual expenditure					
7		Current Year			Regulatory period	
8		Forecast	Actual	% variance	Forecast	Actual
9	Capital Expenditure	Expenditure	Expenditure		Expenditure	Expenditure
10	Customer connection			—		
11	System growth			—		
12	Quality of supply			—		
13	Asset replacement and renewal			—		
14	Asset relocations			—		
15	Legislative and regulatory			—		
16	Gross capital expenditure on distribution network	—	—	—	—	—
17	Operational Expenditure					
18	Service interruptions, incidents and emergencies			—		
19	Vegetation management			—		
20	Routine and corrective maintenance and inspection			—		
21	System operations			—		
22	Network support			—		
23	Operational expenditure on distribution network	—	—	—	—	—
24						
25	Total expenditure on distribution network	—	—	—	—	—
26						
27	Non-system fixed assets			—		
28	Business support			—		
29	Direct billing			—		
30	Total expenditure on distribution network business	—	—	—	—	—
31						
32	Overhead to underground conversion expenditure			—		
33						
34	<i>Commentary on variance in actual to forecast expenditure, including required disclosure in accordance with section 2.3</i>					
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Schedule 8 Report on Related Party Transactions

Company Name			
Disclosure Year Ended			

SCHEDULE 8: REPORT ON RELATED PARTY TRANSACTIONS

ref

6

8(i) SUMMARY—RELATED PARTY TRANSACTIONS

(\$000)

7

8

Total regulatory income

9

Operational expenditure

10

Capital expenditure

11

Market value of asset disposals

12

Other related party transactions

13

8(ii) ENTITIES INVOLVED IN RELATED PARTY TRANSACTIONS

14

Name of Related Party

Related Party Relationship

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8(iii) RELATED PARTY TRANSACTIONS

Name of Related Party

Description of Transaction

Value of Transaction

Basis for Determining Value

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Schedule 9

Report on Asset Allocations

Company Name						
Disclosure Year Ended						
SCHEDULE 9: REPORT ON ASSET ALLOCATIONS						
ref						
6	9a: REGULATED SERVICE ASSET VALUES					
7		Value allocated (\$000s)				
8		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000s)
9	Sub transmission					
10	Directly attributable					
11	Not directly attributable					
12	Total attributable to regulated service	—				
13	Zone substation					
14	Directly attributable					
15	Not directly attributable					
16	Total attributable to regulated service	—				
17	Distribution and LV lines					
18	Directly attributable					
19	Not directly attributable					
20	Total attributable to regulated service	—				
21	Distribution and LV cables					
22	Directly attributable					
23	Not directly attributable					
24	Total attributable to regulated service	—				
25	Distribution substations and transformers					
26	Directly attributable					
27	Not directly attributable					
28	Total attributable to regulated service	—				
29	Distribution switchgear					
30	Directly attributable					
31	Not directly attributable					
32	Total attributable to regulated service	—				
33	Other system fixed assets					
34	Directly attributable					
35	Not directly attributable					
36	Total attributable to regulated service	—				
37	Other assets					
38	Directly attributable					
39	Not directly attributable					
40	Total attributable to regulated service	—				
41						
42	Regulated service asset value directly attributable	—				
43	Regulated service asset value not directly attributable	—				
44	Total closing RAB value	—				
45						
46	9b: NOTES TO THE REPORT					
47	9b(i): Changes in Asset Allocation*					
48		CY-1	Current Year (CY)	CY+1		
49	<u>Change in asset value allocation 1</u>					
50	Asset category					
51	Original allocator or line items					
52	New allocator or line items					
53		Original allocation	New allocation	Difference		
54		—	—	—		
55	Rationale for change					
56						
57	<u>Change in asset value allocation 2</u>					
58	Asset category					
59	Original allocator or line items					
60	New allocator or line items					
61		Original allocation	New allocation	Difference		
62		—	—	—		
63	Rationale for change					
64						
65	<u>Change in asset value allocation 3</u>					
66	Asset category					
67	Original allocator or line items					
68	New allocator or line items					
69		Original allocation	New allocation	Difference		
70		—	—	—		
71	Rationale for change					
72						
73	* 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.					
74						

		Company Name	
		Disclosure Year Ended	
SCHEDULE 9: REPORT ON ASSET ALLOCATIONS (cont)			
ref			
81			
82	9b(ii): Allocation methodology details		
83			
84	Commentary on cost allocation, including required disclosures in accordance with section 2.3		
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Schedule 10

Report on Cost Allocations

SCHEDULE 10: REPORT ON COST ALLOCATIONS		Company Name <input style="width: 150px;" type="text"/>		
		Disclosure Year Ended <input style="width: 150px;" type="text"/>		
10a: OPERATING COST ALLOCATIONS				
	Value allocated (\$000s)			
	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total
				OVABAA allocation increase (\$000s)
Service interruptions, incidents and emergencies				
Directly attributable				
Not directly attributable				
Total attributable to regulated service	-			
Vegetation management				
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	-			
System operations				
Directly attributable				
Not directly attributable				
Total attributable to regulated service	-			
Network support				
Directly attributable				
Not directly attributable				
Total attributable to regulated service	-			
Business support				
Directly attributable				
Not directly attributable				
Total attributable to regulated service	-			
Direct Billing				
Directly attributable				
Not directly attributable				
Total attributable to regulated service	-			
Operating costs directly attributable	-			
Operating costs not directly attributable	-	-	-	-
Operating expenditure	-			
10b: OTHER COST ALLOCATIONS				
Pass through costs				
Directly attributable				
Not directly attributable				
Total attributable to regulated service	-			
Recoverable costs				
Directly attributable				
Not directly attributable				
Total attributable to regulated service	-			
10c: NOTES TO THE REPORT				
10c(i): Changes in Cost Allocations*				
			CY-1	Current Year (CY)
				CY+1
<u>Change in cost allocation 1</u>				
Cost category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	-	-
Rationale for change				
<u>Change in cost allocation 2</u>				
Cost category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	-	-
Rationale for change				
<u>Change in cost allocation 3</u>				
Cost category		Original allocation		
Original allocator or line items		New allocation		
New allocator or line items		Difference	-	-
Rationale for change				
* a change in cost allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component.				

		Company Name	
		Disclosure Year Ended	
SCHEDULE 10: REPORT ON COST ALLOCATIONS (cont)			
ref			
86			
87	10c(ii): Allocation methodology details		
88			
89	Commentary on cost allocation, including required disclosures in accordance with section 2.3		
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Schedule 11

Report Supporting Asset Allocation

SCHEDULE 11: REPORT SUPPORTING ASSET ALLOCATIONS										Company Name Disclosure Year Ended	
Have assets been allocated in aggregate using ACAM in accordance with clause 2.1(13) of the ILM Determination											
										Yes / No	
Line Item	Allocation methodology type	Allocator	Allocator type	Allocator Metric		Value allocated			OVABAA allocation increase		
				Electricity distribution services	Non-electricity distribution services	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total		
Sub transmission											
Insert asset description	e.g. ABAA	Allocator 1	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 1	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 2	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 3	Causal or proxy					-	-		
Not directly attributable											
Zone substation											
Insert asset description	e.g. ABAA	Allocator 1	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 1	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 2	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 3	Causal or proxy						-		
Not directly attributable											
Distribution and LV lines											
Insert asset description	e.g. ABAA	Allocator 1	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 1	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 2	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 3	Causal or proxy						-		
Not directly attributable											
Distribution and LV cables											
Insert asset description	e.g. ABAA	Allocator 1	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 1	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 2	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 3	Causal or proxy						-		
Not directly attributable											
Distribution substations and transformers											
Insert asset description	e.g. ABAA	Allocator 1	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 1	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 2	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 3	Causal or proxy						-		
Not directly attributable											
Distribution switchgear											
Insert asset description	e.g. ABAA	Allocator 1	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 1	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 2	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 3	Causal or proxy						-		
Not directly attributable											
Other system fixed assets											
Insert asset description	e.g. ABAA	Allocator 1	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 1	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 2	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 3	Causal or proxy						-		
Not directly attributable											
Other assets											
Insert asset description	e.g. ABAA	Allocator 1	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 1	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 2	Causal or proxy						-		
Insert asset description	e.g. ABAA	Allocator 3	Causal or proxy						-		
Not directly attributable											
Regulated service asset value not directly attributable											

Schedule 12

Report Supporting Cost Allocation

<div style="text-align: right; padding-right: 20px;"> Company Name <input style="width: 150px;" type="text"/> Disclosure Year Ended <input style="width: 150px;" type="text"/> </div>										
SCHEDULE 12: REPORT SUPPORTING COST ALLOCATIONS										
6										
7	<div style="display: flex; justify-content: space-between; align-items: center;"> <div>Have costs been allocated in aggregate using ACAM in accordance with clause 2.1.1(3) of the IM Determination</div> <div>Yes / No</div> </div>									
8										
9										
10										
11										
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68										

Schedule 13 Pricing Statistics

Company Name						
For Year Ended						
Network / Sub-network Name						

SCHEDULE 13: REPORT ON PRICING STATISTICS

7	Consumer Group Data: Consumers on standard contracts						
8	Consumer group code	Capacity (kVA)	Volume supplied to consumers' connection points (MWh)	Distribution line charge revenue (\$000)	Transmission line charge revenue (\$000)	Capital contributions (\$000)	No. of ICPs at disclosure year end
9							
10	Code 1						
11	Code 2						
12	Code 3						
13	Code 4						
14	Code 5						
15	Code 6						
16	Code 7						
17	Code 8						
18	Code 9						
19	Code 10						
20	Totals		—	—	—	—	—
21	<i>Add extra rows for additional consumer groups as necessary</i>						
22							
23	Consumer Group Data: Consumers on non-standard contracts						
24	Consumer group code	Capacity (kVA)	Volume supplied to consumers' connection points (MWh)	Distribution line charge revenue (\$000)	Transmission line charge revenue (\$000)	Capital contributions (\$000)	No. of ICPs at disclosure year end
25							
26	Code 1						
27	Code 2						
28	Code 3						
29	Code 4						
30	Code 5						
31	Code 6						
32	Code 7						
33	Code 8						
34	Code 9						
35	Code 10						
36	Totals		—	—	—	—	—
37	<i>Add extra rows for additional consumer groups as necessary</i>						
38							
39							MW
40	Non-coincident sum of maximum demands for consumers on demand-based prices						
41	Non-coincident sum of contracted maximum demands for consumers on capacity-based prices						
42							
43	Distribution line charge revenue by component of price				Consumers on standard contracts (\$000)	Consumers on non-standard contracts (\$000)	Total revenue (\$000)
44							
45	Revenue from fixed prices						—
46	Revenue from variable prices - peak						—
47	Revenue from variable prices - off peak						—
48	Revenue from capacity-based prices - peak						—
49	Revenue from capacity-based prices - off peak						—
50	Revenue from demand-based prices - peak						—
51	Revenue from demand-based prices - off peak						—
52	Revenue from other prices						—
53	Totals				—	—	—
54	Total capital contributions revenue						—
55	Total transmission line charge revenue						—
56							—
57	Total line charge revenue including capital contributions						—
58							
59	Commentary on pricing statistics						
60							
61							
62							
63							
64							
65							
66							
67							
68							
69	<i>If 'Revenue from other prices' is entered in row 51 above, explain how this price(s) is levied</i>						

Schedule 14

Network Expenditure AMP Report

Company Name		AMP Planning Period									
		1 April 2013 – 31 March 2023									
SCHEDULE 14: NETWORK EXPENDITURE AMP REPORT											
(\$000 unless otherwise specified)											
		Year 1 2014	Year 2 2015	Year 3 2016	Year 4 2017	Year 5 2018	Year 6 2019	Year 7 2020	Year 8 2021	Year 9 2022	Year 10 2023
14a: Capital Expenditure Forecast											
Customer connection											
System growth											
Quality of supply											
Asset replacement and renewal											
Asset relocations											
Legislative and regulatory											
Non-system fixed assets											
Gross capital expenditure											
14a(i): Customer Connection		Year 1 2014	Year 2 2015	Year 3 2016	Year 4 2017	Year 5 2018					
Domestic											
Overhead											
Underground											
Non-domestic											
Overhead											
Underground											
Distributed/embedded generation											
Customer Connection total											
14a(ii): System Growth		Year 1 2014	Year 2 2015	Year 3 2016	Year 4 2017	Year 5 2018					
Subtransmission											
Overhead lines											
Underground cables											
Zone substations											
Zone substation transformers											
Zone substation switchgear											
Subtransmission total											
Distribution											
Distribution lines											
Distribution cables											
Distribution transformers (PM)											
Distribution transformers (GM)											
Distribution switchgear											
Distribution substations (GM with housing)											
Distribution total											
Low voltage											
Overhead lines											
Underground cables											
Low Voltage total											
Secondary assets											
Protection											
SCADA and communications											
Secondary assets total											
Other assets											
Load control equipment											
Civils—cable tunnels											
Other total											
System Growth total											
14a(iii): Asset Replacement and Renewal		Year 1 2014	Year 2 2015	Year 3 2016	Year 4 2017	Year 5 2018					
Subtransmission											
Overhead lines											
Underground cables											
Zone substations											
Zone substation transformers											
Zone substation switchgear											
Subtransmission total											
Distribution											
Distribution lines											
Distribution cables											
Distribution transformers (PM)											
Distribution transformers (GM)											
Distribution switchgear											
Distribution substations (GM with housing)											
Distribution total											
Low voltage											
Overhead lines											
Underground cables											
Low Voltage total											
Secondary assets											
Protection											
SCADA and communications											
Secondary assets total											
Other assets											
Load control equipment											
Civils—cable tunnels											
Other total											
Asset Replacement and Renewal total											

SCHEDULE 14: NETWORK EXPENDITURE AMP REPORT (continued)										
Company Name AMP Planning Period										1 April 2013 – 31 March 2023
ref		Year 1 2014	Year 2 2015	Year 3 2016	Year 4 2017	Year 5 2018	(\$000 unless otherwise specified)			
98										
14a(iv): Quality of supply										
100	Project									
101	[Description of Project]									
102	[Description of Project]									
103	[Description of Project]									
104	Quality of Supply total	—	—	—	—	—				
14a(v): Legislative and Regulatory										
105	Project									
107	[Description of legislative or regulatory requirement]									
108	[Description of legislative or regulatory requirement]									
109	[Description of legislative or regulatory requirement]									
110	Legislative and Regulatory total	—	—	—	—	—				
14a(vi): Non-System Fixed Assets										
112	Routine expenditure									
113	Atypical expenditure									
114	[Description of Project]									
115	[Description of Project]									
116	[Description of Project]									
117	[Description of Project]									
118	Atypical expenditure total	—	—	—	—	—				
14b: Operational Expenditure										
119	Service interruptions and emergencies									
120	Vegetation management									
121	Routine and corrective maintenance and inspection									
122	System operations									
123	Network support									
124	Business support									
125	Direct billing									
126	Operational expenditure	—	—	—	—	—	—	—	—	—
127										
128										
129										

Schedule 15 Network Driver AMP Report

SCHEDULE 15: NETWORK DRIVER AMP REPORT						Company Name		AMP Planning Period		1 April 2013 – 31 March 2023	
15a(i) Subtransmission Circuits *											
ref											
6											
7											
8											
9											
10											
11											
12											
13											
14											
15											
16											
17											
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22											
23											
24											
25											
26											
27											
28	1 Extend subtransmission table as necessary to disclose all circuits										
29											

1300301.3

SCHEDULE 15: NETWORK DRIVER AMP REPORT (continued 2)															Company Name AMP Planning Period	
1 April 2013 – 31 March 2023																

Schedule 16

Network Asset AMP Report

SCHEDULE 16: NETWORK ASSET AMP REPORT

16a: Asset Register, Changes and Health

Ref	Asset category	Asset class	Items at end of year (quantity)		Additions, disposals and relocations during year (quantity)				Asset health at end of year (quantity by category)					
			Units	Total	Assets disposed	Assets installed	Net change	Database cleansing	Assets relocated	Data accuracy (1-4)	Grade 1	Grade 2	Grade 3	Grade unknown
6	Voltage	Concrete poles / steel structure	No.	-	-	-	-	-	-	-	-	-	-	-
7	All	Wood poles	No.	-	-	-	-	-	-	-	-	-	-	-
8	All	Other pole types	No.	-	-	-	-	-	-	-	-	-	-	-
9	All	Capacitors including controls	No.	-	-	-	-	-	-	-	-	-	-	-
10	All	Subtransmission OH up to 66kV conductor	km	-	-	-	-	-	-	-	-	-	-	-
11	All	Subtransmission OH 110kV+ conductor	km	-	-	-	-	-	-	-	-	-	-	-
12	HV	Subtransmission OH up to 66kV (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-
13	HV	Subtransmission OH up to 66kV (air pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
14	HV	Subtransmission OH up to 66kV (gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
15	HV	Subtransmission OH up to 66kV (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-
16	HV	Subtransmission OH up to 66kV (air pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
17	HV	Subtransmission OH up to 66kV (gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
18	HV	Subtransmission OH up to 66kV (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-
19	HV	Subtransmission OH up to 66kV (air pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
20	HV	Subtransmission OH up to 66kV (gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
21	HV	Subtransmission OH up to 66kV (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-
22	HV	Subtransmission OH up to 66kV (air pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
23	HV	Subtransmission OH up to 66kV (gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
24	HV	Subtransmission OH up to 66kV (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-
25	HV	Subtransmission OH up to 66kV (air pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
26	HV	Subtransmission OH up to 66kV (gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
27	HV	Subtransmission OH up to 66kV (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-
28	HV	Subtransmission OH up to 66kV (air pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
29	HV	Subtransmission OH up to 66kV (gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
30	HV	Subtransmission OH up to 66kV (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-
31	HV	Subtransmission OH up to 66kV (air pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
32	HV	Subtransmission OH up to 66kV (gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
33	HV	Subtransmission OH up to 66kV (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-
34	HV	Subtransmission OH up to 66kV (air pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
35	HV	Subtransmission OH up to 66kV (gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
36	HV	Subtransmission OH up to 66kV (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-
37	HV	Subtransmission OH up to 66kV (air pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
38	HV	Subtransmission OH up to 66kV (gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
39	HV	Subtransmission OH up to 66kV (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-
40	HV	Subtransmission OH up to 66kV (air pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
41	HV	Subtransmission OH up to 66kV (gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
42	HV	Subtransmission OH up to 66kV (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-
43	HV	Subtransmission OH up to 66kV (air pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
44	HV	Subtransmission OH up to 66kV (gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
45	HV	Subtransmission OH up to 66kV (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-
46	HV	Subtransmission OH up to 66kV (air pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
47	HV	Subtransmission OH up to 66kV (gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
48	HV	Subtransmission OH up to 66kV (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-
49	HV	Subtransmission OH up to 66kV (air pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
50	HV	Subtransmission OH up to 66kV (gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
51	HV	Subtransmission OH up to 66kV (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-
52	HV	Subtransmission OH up to 66kV (air pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
53	HV	Subtransmission OH up to 66kV (gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
54	HV	Subtransmission OH up to 66kV (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-
55	HV	Subtransmission OH up to 66kV (air pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
56	HV	Subtransmission OH up to 66kV (gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
57	HV	Subtransmission OH up to 66kV (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-
58	HV	Subtransmission OH up to 66kV (air pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
59	HV	Subtransmission OH up to 66kV (gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
60	HV	Subtransmission OH up to 66kV (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-
61	HV	Subtransmission OH up to 66kV (air pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
62	HV	Subtransmission OH up to 66kV (gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
63	HV	Subtransmission OH up to 66kV (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-
64	HV	Subtransmission OH up to 66kV (air pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
65	HV	Subtransmission OH up to 66kV (gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-
66	HV	Subtransmission OH up to 66kV (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-

Length of overhead line underground (km)

1300301.3

				Company Name					
				AMP Planning Period	1 April 2013 – 31 March 2023				
SCHEDULE 16: NETWORK ASSET AMP REPORT (continued 2)									
ref									
6	16c: Asset Disposal Forecast				Assets disposed (number)				
8	Voltage	Asset category	Asset Class	Units	Year 1 2014	Year 2 2015	Year 3 2016	Year 4 2017	Year 5 2018
9	All	Overhead line	Concrete poles / steel structure	No.					
10	All	Overhead line	Wood poles	No.					
11	All	Overhead line	Other pole types	No.					
12	All	Capacitor banks	Capacitors including controls	No					
13	HV	Subtransmission line	Subtransmission OH up to 66kV conductor	km					
14	HV	Subtransmission line	Subtransmission OH 110kV+ conductor	km					
15	HV	Subtransmission cable	Subtransmission UG up to 66kV (XLPE)	km					
16	HV	Subtransmission cable	Subtransmission UG up to 66kV (oil pressurised)	km					
17	HV	Subtransmission cable	Subtransmission UG up to 66kV (gas pressurised)	km					
18	HV	Subtransmission cable	Subtransmission UG up to 66kV (PILC)	km					
19	HV	Subtransmission cable	Subtransmission UG 110kV+ (XLPE)	km					
20	HV	Subtransmission cable	Subtransmission UG 110kV+ (oil pressurised)	km					
21	HV	Subtransmission cable	Subtransmission UG 110kV+ (gas pressurised)	km					
22	HV	Subtransmission cable	Subtransmission UG 110kV+ (PILC)	km					
23	HV	Subtransmission cable	Subtransmission submarine cable	km					
24	HV	Zone substation	Zone substation transformer	No.					
25	HV	Zone substation	Zone substations up to 66kV	No.					
26	HV	Zone substation	Zone substations 110kV+	No.					
27	HV	Zone substation	22/33kV CB (air insulated busbars) (ID)	No.					
28	HV	Zone substation	22/33kV CB (air insulated busbars) (OD)	No.					
29	HV	Zone substation	22/33kV CB (gas insulated busbars) (ID)	No.					
30	HV	Zone substation	33kV switch (GM)	No.					
31	HV	Zone substation	33kV switch (PM)	No.					
32	HV	Zone substation	33kV RMU	No.					
33	HV	Zone substation	50/66/110kV CB (air insulated busbars) (ID)	No.					
34	HV	Zone substation	50/66/110kV CB (air insulated busbars) (OD)	No.					
35	HV	Zone substation	50/66/110kV CB (gas insulated busbars) (ID)	No.					
36	HV	Zone substation	50/66/110kV CB (gas insulated busbars) (OD)	No.					
37	HV	Zone substation	3.3/6.6/11/22kV CB (GM)	No.					
38	HV	Distribution line	Distribution OH open wire conductor	km					
39	HV	Distribution line	Distribution OH aerial cable conductor	km					
40	HV	Distribution line	Distribution line SWER conductor	km					
41	HV	Distribution cable	Distribution UG XLPE or PVC	km					
42	HV	Distribution cable	Distribution UG PILC	km					
43	HV	Distribution cable	Distribution submarine cable	km					
44	HV	Distribution switchgear	3.3/6.6/11/22kV CB (PM)—reclosers and sectionalisers	No.					
45	HV	Distribution switchgear	3.3/6.6/11/22kV switches and fuses (PM)	No.					
46	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (GM)—except RMU	No.					
47	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.					
48	HV	Distribution transformer	Pole mounted transformer	No.					
49	HV	Distribution transformer	Ground mounted transformer	No.					
50	HV	Distribution transformer	Voltage regulators	No.					
51	HV	Distribution substations	Ground mounted substation housing	No.					
52	LV	LV line	LV OH open wire conductor	km					
53	LV	LV line	LV OH aerial cable conductor	km					
54	LV	LV line	LV OH streetlight conductor	km					
55	LV	LV cable	LV UG XLPE or PVC	km					
56	LV	LV cable	LV UG PILC	km					
57	LV	LV cable	LV UG streetlight circuit	km					
58	LV	Connections	OH customer service connections	No.					
59	LV	Connections	UG customer service connections	No.					
60	Secondary assets	Protection	Protection relays	No.					
61	Secondary assets	SCADA and communications	Remote terminal units (RTU)	No.					
62	Other assets	Load control	Load control centralised plant	No.					
63	Other assets	Load control	Load control relays	No.					
64	Other assets	Civils	Cable tunnels	km					
65									

AMMAT Report

1300301.3

Company Name AMP Planning Period 1 April 2013 – 31 March 2023													
SCHEDULE 17: AMMAT REPORT (continued 1)													
Question No.	Function	Question	Maturity Level 5 How	Maturity Level 4 What	Maturity Level 3 How	Maturity Level 2 What	Maturity Level 1 How	Why	Who	Recorded information	User Guidance	Evidence—Summary	Score
27	Asset management (plans)	How has the organisation ensured that all relevant parties to a plan of distribution (the plan) are aware of the plan?	The organisation does not have a plan of distribution for the plan.	The plan is communicated to all relevant parties to a plan of distribution (the plan).	The plan is communicated to all relevant parties to a plan of distribution (the plan).	The plan is communicated to all relevant parties to a plan of distribution (the plan).	The plan is communicated to all relevant parties to a plan of distribution (the plan).	Plans will be reviewed unless they are not relevant to the plan of distribution (the plan). The plan will be reviewed unless they are not relevant to the plan of distribution (the plan).	The management team with asset management functions and those who manage the plan.	Distribution test for plans.			1
29	Asset management (plans)	How are emergency arrangements for the plan of distribution documented?	The organisation has not documented the arrangements for the plan of distribution.	All set management plans (the plan) are communicated to all relevant parties to a plan of distribution (the plan).	Asset management plans (the plan) are communicated to all relevant parties to a plan of distribution (the plan).	Asset management plans (the plan) are communicated to all relevant parties to a plan of distribution (the plan).	The plan is communicated to all relevant parties to a plan of distribution (the plan).	The implementation of asset management plans (the plan) is documented in the plan of distribution (the plan).	The management team with asset management functions and those who manage the plan.	The organisation used the plan of distribution (the plan) to document the arrangements for the plan of distribution (the plan).			2
31	Asset management (plans)	What has the organisation done to ensure that appropriate arrangements for the plan of distribution are in place?	The organisation has not documented the arrangements for the plan of distribution.	The organisation recognises the need to ensure appropriate arrangements for the plan of distribution are in place.	The organisation has arrangements in place for the plan of distribution.	The organisation has arrangements in place for the plan of distribution.	The plan is communicated to all relevant parties to a plan of distribution (the plan).	It is essential that the plan of distribution (the plan) is implemented in a timely manner.	The management team with asset management functions and those who manage the plan.	The organisation used the plan of distribution (the plan) to document the arrangements for the plan of distribution (the plan).			3
33	Contingency planning	What plans and procedures does the organisation have for identifying and responding to incidents and emergencies?	The organisation has not documented the arrangements for the plan of distribution.	The organisation has some arrangements for the plan of distribution.	Asset management plans (the plan) are communicated to all relevant parties to a plan of distribution (the plan).	Asset management plans (the plan) are communicated to all relevant parties to a plan of distribution (the plan).	The plan is communicated to all relevant parties to a plan of distribution (the plan).	Major asset management plans (the plan) are communicated to all relevant parties to a plan of distribution (the plan).	The management team with asset management functions and those who manage the plan.	The organisation used the plan of distribution (the plan) to document the arrangements for the plan of distribution (the plan).			4

[illegible]

1300301.3

SCHEDULE 17: AMAT REPORT (continued 9)									
Company Name AMP Planning Period 1 April 2013 – 31 March 2023									
Question	Function (processes)	Question	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4	Why	Who	Relevant information
69	Risk management (processes)	How does the organisation identify and assess risk? (The organisation has not considered the need for a risk management process for the identification and assessment of asset and asset lifecycle risks throughout the asset life cycle? (The organisation has not already commenced this activity.)	The organisation is aware of the need to identify and assess risk across the asset lifecycle. The organisation has not yet developed a risk management process (policy and procedures) for the identification and assessment of asset and asset lifecycle risks throughout the asset life cycle.	The organisation is in the process of identifying and assessing risk across the asset lifecycle. It is in the process of developing a risk management process (policy and procedures) for the identification and assessment of asset and asset lifecycle risks throughout the asset life cycle.	The organisation has identified and assessed risk across the asset lifecycle. It has developed a risk management process (policy and procedures) for the identification and assessment of asset and asset lifecycle risks throughout the asset life cycle.	The organisation has identified and assessed risk across the asset lifecycle. It has developed a risk management process (policy and procedures) for the identification and assessment of asset and asset lifecycle risks throughout the asset life cycle.	Risk management is an important part of the organisation's overall management. Its central purpose is to identify and assess risk, to develop a risk management strategy, to implement a risk management system, and to provide an audit trail of risk management activities. The organisation has identified and assessed risk across the asset lifecycle. It has developed a risk management process (policy and procedures) for the identification and assessment of asset and asset lifecycle risks throughout the asset life cycle.	The top management team is responsible for the organisation's risk management. They may also be responsible for the organisation's risk management strategy, for the organisation's risk management system, and for the organisation's risk management activities. The organisation has identified and assessed risk across the asset lifecycle. It has developed a risk management process (policy and procedures) for the identification and assessment of asset and asset lifecycle risks throughout the asset life cycle.	The organisation's risk management process (policy and procedures) for the identification and assessment of asset and asset lifecycle risks throughout the asset life cycle.
70	Use and maintenance of asset risk information	How does the organisation ensure that the results of risk assessments are used to inform decision making? (The organisation has not considered the need for a risk management process for the use and maintenance of asset risk information.)	The organisation is aware of the need to use the results of risk assessments to inform decision making. The organisation has not yet developed a risk management process (policy and procedures) for the use and maintenance of asset risk information.	The organisation is in the process of identifying and assessing risk across the asset lifecycle. It is in the process of developing a risk management process (policy and procedures) for the use and maintenance of asset risk information.	The organisation has identified and assessed risk across the asset lifecycle. It has developed a risk management process (policy and procedures) for the use and maintenance of asset risk information.	The organisation has identified and assessed risk across the asset lifecycle. It has developed a risk management process (policy and procedures) for the use and maintenance of asset risk information.	The organisation has identified and assessed risk across the asset lifecycle. It has developed a risk management process (policy and procedures) for the use and maintenance of asset risk information.	The top management team is responsible for the organisation's risk management. They may also be responsible for the organisation's risk management strategy, for the organisation's risk management system, and for the organisation's risk management activities. The organisation has identified and assessed risk across the asset lifecycle. It has developed a risk management process (policy and procedures) for the use and maintenance of asset risk information.	The organisation's risk management process (policy and procedures) for the use and maintenance of asset risk information.
82	Legal and other requirements	What procedure does the organisation have in place to ensure that it is aware of and complies with all applicable legal and other requirements? (The organisation has not considered the need for a risk management process for the legal and other requirements.)	The organisation identifies some of the legal and other requirements that apply to its asset management. It has not yet developed a risk management process (policy and procedures) for the legal and other requirements.	The organisation has procedures in place to ensure that it is aware of and complies with all applicable legal and other requirements. It is in the process of developing a risk management process (policy and procedures) for the legal and other requirements.	The organisation has identified and assessed risk across the asset lifecycle. It has developed a risk management process (policy and procedures) for the legal and other requirements.	The organisation has identified and assessed risk across the asset lifecycle. It has developed a risk management process (policy and procedures) for the legal and other requirements.	The organisation has identified and assessed risk across the asset lifecycle. It has developed a risk management process (policy and procedures) for the legal and other requirements.	The top management team is responsible for the organisation's risk management. They may also be responsible for the organisation's risk management strategy, for the organisation's risk management system, and for the organisation's risk management activities. The organisation has identified and assessed risk across the asset lifecycle. It has developed a risk management process (policy and procedures) for the legal and other requirements.	The organisation's risk management process (policy and procedures) for the legal and other requirements.
88	Life Cycle Activities	How does the organisation maintain and manage its assets? (The organisation has not considered the need for a risk management process for the life cycle activities.)	The organisation is aware of the need to maintain and manage its assets. The organisation has not yet developed a risk management process (policy and procedures) for the life cycle activities.	The organisation is in the process of identifying and assessing risk across the asset lifecycle. It is in the process of developing a risk management process (policy and procedures) for the life cycle activities.	The organisation has identified and assessed risk across the asset lifecycle. It has developed a risk management process (policy and procedures) for the life cycle activities.	The organisation has identified and assessed risk across the asset lifecycle. It has developed a risk management process (policy and procedures) for the life cycle activities.	The organisation has identified and assessed risk across the asset lifecycle. It has developed a risk management process (policy and procedures) for the life cycle activities.	The top management team is responsible for the organisation's risk management. They may also be responsible for the organisation's risk management strategy, for the organisation's risk management system, and for the organisation's risk management activities. The organisation has identified and assessed risk across the asset lifecycle. It has developed a risk management process (policy and procedures) for the life cycle activities.	The organisation's risk management process (policy and procedures) for the life cycle activities.

[illegible]

Schedule 18

Network Driver Report

Company Name			
Disclosure Year Ended		31 March 2012	
Network / Sub-network Name			
SCHEDULE 18: NETWORK DRIVER REPORT			
ref			
6	18a: Circuit Information		
7	Circuit length by operating line voltage (at year end)	Overhead (km)	Underground (km)
8	> 66kV		
9	50kV & 66kV		
10	33kV		
11	SWER (all SWER voltages)		
12	22kV (other than SWER)		
13	6.6kV to 11kV (inclusive—other than SWER)		
14	Low voltage (< 1kV)		
15	Total circuit length (for supply)		
16			
17	Dedicated street lighting circuit length		
18	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		
19			
20	Overhead circuit length by terrain (at year end)	(km)	(%)
21	Urban		Not Defined
22	Rural		Not Defined
23	Remote		Not Defined
24	Rugged		Not Defined
25	Rural & rugged		Not Defined
26	Remote & rugged		Not Defined
27	Unallocated overhead lines		Not Defined
28	Total overhead length		
29			
31	Overhead circuit in proximity to coastline and geothermal areas		
32	Overhead circuit requiring vegetation management		
33			
34	18b: Electricity Demand		
35		Maximum coincident system demand (MW)	Non-coincident sum of maximum demands (MW)
36	GXP demand		
37	<i>plus</i> Embedded generation output at HV and above		
38	Maximum system demand		
39			
40	<i>less</i> Net transfers to (from) other EDBs at HV and above		
41	Demand on system for supply to customers' connection points		
42			
43	<i>less</i> Subtransmission customers' connection point demand		
44	Maximum distribution transformer demand		
45			
46	GXP demand not supplied at subtransmission level		
47	Embedded generation output—connected to subtransmission system		
48	Net transfers to (from) other EDBs at subtransmission level only		
49			
50	Estimated controlled load shed at time of maximum system demand (MW)		
51			
52	Five-year system maximum demand growth forecast		% p.a.
53	18c: Electricity Volumes Carried		
54	Electricity supplied from GXPs	(GWh)	
55	<i>less</i> Electricity exports to GXPs		
56	<i>plus</i> Electricity supplied from embedded generators		
57	<i>less</i> Net electricity supplied to (from) other EDBs		
58	Electricity entering system for supply to customers' connection points		
59			
60	<i>less</i> Electricity supplied to customers' connection points		
61	Electricity losses (loss ratio)		Not Defined %
62			
63	Load factor		Not Defined %
64			

	Company Name
	Disclosure Year Ended
	31 March 2012
	Network / Sub-network Name

SCHEDULE 18: NETWORK DRIVER REPORT (continued)

ref		
72	18d: Transformer Capacity	
73		(MVA)
74	Distribution transformer capacity (EDB owned)	
75	Distribution transformer capacity (Non-EDB owned)	
76	Total distribution transformer capacity	--
77		
78	Zone substation transformer capacity	
79		
80	18e: Number of New Connections	Connection point voltage
81	Domestic customers	LV HV EHV
82	Underground connections—additions	
83	Overhead connections—additions	
84	Non domestic customers	
85	Underground connections—additions	
86	Overhead connections—additions	
87		
88	Embedded generation—additions	
89		
90	New connections total	-- -- --
91		
92	Number of connection points at year end	
93		
94	Total	
95	Number of directly billed customers at year end	
96	18f: Embedded Distribution Networks *	
97	Location *	Number of ICPs served
98		Total revenue
99		
100		
101		
102		
103		
104		
105		
106		
107		
108		
109		
110		
111		
112		
113		
114		
115	* Extend embedded distribution networks table as necessary to disclose all other EDB-owned distribution networks embedded within the network	
116	18g: Commentary on Network Drivers	
117		
118		
119		
120		
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SCHEDULE 19: NETWORK PERFORMANCE REPORT (continued)	
Company Name	31 March 2012
Disclosure Year Ended	
Network / Sub-network Name	
19d: Commentary on Network Performance	

Schedule 20

Asset Adjustment Process

SCHEDULE 20: ASSET ADJUSTMENT PROCESS										EDB Name						
										Disclosure Year Ended						
6	Summary of Engineer's Valuation Adjustments (at time asset enters regulatory asset register)															
7																
8	Asset adjustment process - adjustments										2004 *	2005	2006	2007	2008	2009
9											(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
10	Include load control relays															
11	Correct asset register errors for 2004 ODV assets															
12	Insert details of asset or similar asset type															
13	Insert details of asset or similar asset type															
14	Insert details of asset or similar asset type															
15																
16	Correct asset register errors for 2005 – 2009 assets															
17	Insert details of asset or similar asset type															
18	Insert details of asset or similar asset type															
19	Insert details of asset or similar asset type															
20																
21	Re-apply an existing multiplier to 2004 ODV assets															
22	Insert details of asset or similar asset type															
23	Insert details of asset or similar asset type															
24	Insert details of asset or similar asset type															
25																
26	Re-apply a modified multiplier to 2004 ODV assets															
27	Insert details of asset or similar asset type															
28	Insert details of asset or similar asset type															
29	Insert details of asset or similar asset type															
30																
31	Re-apply optimisation or EV tests to 2004 ODV assets															
32	Insert details of asset or similar asset type															
33	Insert details of asset or similar asset type															
34	Insert details of asset or similar asset type															
35																
36	Total value of adjustments by disclosure year															
37																
38	* Includes assets which first entered the regulatory asset register in a disclosure year prior to 2004.															
39																

Schedule 21**Report on Transitional Financial Information**

		Company Name	
		Disclosure Year Ended	
SCHEDULE 21: REPORT ON TRANSITIONAL FINANCIAL INFORMATION			
ref			
6	21a: Regulatory Asset Base Value		
7	21a(i): Establishment of Initial Regulatory Asset Base Value		
8		Unallocated Initial RAB	
9		(\$000)	(\$000)
10	2009 disclosed assets - 'Total Regulatory Asset Base Value (Excluding FDC)' as of 31 March 2009		—
11			
12	2009 modified asset values (adjusted for results of asset adjustment process)		—
13	Adjustment to reinstate 2009 modified asset values to unallocated amounts		
14	Unallocated 2009 modified asset values		—
15			
16	<i>less (to the extent included in row 13)</i>		
17	Assets not used to supply electricity distribution services		
18	Easement land		
19	Non-qualifying intangible assets		
20	Works under construction		
21	Unallocated asset values excluded from unallocated 2009 modified asset values		—
22			
23	<i>plus</i> FDC allowance of 2.45% (system fixed assets only)		—
24			
25	Unallocated initial RAB values		—
26			
27	21a(ii): Roll forward of Unallocated Regulatory Asset Base Value - 2010 and 2011		
28		2010	2011
29		(\$000)	(\$000)
30	Total opening RAB value	—	—
31	<i>less</i>		
32	Total depreciation		
33	<i>plus</i>		
34	Total CPI revaluations		
35	<i>plus</i>		
36	Assets commissioned (other than below)		
37	Assets acquired from a regulated supplier		
38	Assets acquired from a related party		
39	Assets commissioned	—	—
40	<i>less</i>		
41	Asset disposals (other than below)		
42	Assets disposed of to a regulated supplier		
43	Assets disposed of to a related party		
44	Asset disposals	—	—
45			
46	<i>plus</i> Lost and found assets adjustment		
47			
48	Total closing RAB value	—	—
49			
50			

		Company Name	
		Disclosure Year Ended	
SCHEDULE 21: REPORT ON TRANSITIONAL FINANCIAL INFORMATION (cont)			
ref			
57	21a(iii): Calculation of Revaluation Rate and Indexed Revaluation(\$000 unless otherwise specified)		
58		2010	2011
59	CPI at CPI reference date—preceding disclosure year		
60	CPI at CPI reference date—current disclosure year		
61			
62	Revaluation rate (%)	—	—
63			
64			
65	Total opening RAB value	—	—
66	less Opening RAB value of fully depreciated, disposed and lost assets		
67			
68	Total opening RAB value subject to revaluation	—	—
69	Total CPI revaluations		
70	21a(iv): Works Under Construction		
71		Unallocated works under construction	Allocated works under construction
72			
73	Works under construction—year ended 2009	—	—
74	plus Capital expenditure—year ended 2010		
75	less Assets commissioned—year ended 2010	—	—
76	plus Adjustment resulting from asset allocation—year ended 2010		
77	Works under construction—year ended 2010		—
78	plus Capital expenditure—year ended 2011		
79	less Assets commissioned—year ended 2011	—	—
80	plus Adjustment resulting from asset allocation—year ended 2011		
81	Works under construction—year ended 2011		—
82			
83	21b: Regulatory Tax Information		
84	21b(i): Initial Difference in Asset Values and Amortisation		
85			
86	Initial RAB value		
87	Regulatory tax asset value		
88	Initial difference in asset values		—
89			
90		2010	2011
91	Opening unamortised initial differences in asset values	—	—
92	Amortisation of initial difference in asset values	—	—
93	Adjustment for unamortised initial differences in assets acquired		
94	Adjustment for unamortised initial differences in assets disposed		
95	Closing unamortised initial difference in asset values	—	—
96			
97	Weighted average remaining asset life (years)		
98			
99	21b(ii): Reconciliation of Tax Losses (EDB Business)	2010	2011
100			
101	Opening tax losses		—
102	plus Current period tax losses		
103	less Utilised tax losses		
104	Closing tax losses	—	—
105			

Company Name			
Disclosure Year Ended			
SCHEDULE 21: REPORT ON TRANSITIONAL FINANCIAL INFORMATION (cont)			
ref		2010	2011
112	21b(iii): Calculation of Deferred Tax Balance		
113			
114	Opening deferred tax	—	—
115			
116	Tax effect of adjusted depreciation		
117			
118	Tax effect of total tax depreciation		
119			
120	Tax effect of other temporary differences *		
121			
122	Tax effect of amortisation of initial differences in asset values	—	—
123			
124	Deferred tax balance relating to assets acquired in the disclosure year		
125			
126	Deferred tax balance relating to assets disposed in the disclosure year		
127			
128	Deferred tax cost allocation adjustment		
129			
130	Closing deferred tax	—	—
131			
132			
133	21b(iv): Disclosure of Temporary Differences		
134	<i>Descriptions and workings of items recorded in the asterisked category in Schedule 21b(iii) above</i>		
135			
136			
137			
138			
139			
140			
141			
142			
143			
144			
145			
146			
147	21b(v): Tax Depreciation Roll-Forward		
148			
149	Opening RAB (tax value)		—
150	<i>plus</i> Regulatory tax asset value of assets commissioned		
151	<i>less</i> Regulatory tax asset value of asset disposals		
152	<i>less</i> Tax depreciation		
153	<i>plus</i> Other adjustments to the RAB tax value		
154	Closing RAB (tax value)	—	—
155			

Schedule 22 Certification for Year-beginning Disclosures

Clause 1 of section 2.7

We, [insert full names], being directors of [name of EDB] certify that, having made all reasonable enquiry, to the best of our knowledge, the following attached information of [name of EDB] prepared for the purposes of clause 1 of section 2.4; clause 1 and subclauses 3.2 and 5.1 of section 2.5 of the Commerce Act (Electricity Distribution Services Information Disclosure) Determination 2012 in all material respects complies with that determination.

[Signatures of 2 directors]

[Date]

Schedule 23 Certification for Year-end Disclosures

Clause 2 of section 2.7

We, [insert full names], being directors of [name of EDB] certify that, having made all reasonable enquiry, to the best of our knowledge, the information prepared for the purposes of subclause 1.1 and clause 10 of section 2.3, clauses 19 and 20 of section 2.4, and clauses 6 and 7 of section 2.5 of the Commerce Act (Electricity Distribution Services Information Disclosure) Determination 2012 in all material respects complies with that determination.

* [In respect of related party costs used in the disclosure of related party transactions, we certify that, having made all reasonable enquiry, including enquiries of the related party:

- the costs incurred by the related party in providing the service to [name of EDB] is fair and reasonable to [name of EDB]; and
- the costs incurred by the related party in providing the service to [name of EDB] is proportionate to the costs incurred by the related party in providing services to other parties, including unrelated parties]

* [In respect of tender information used in the disclosure of related party transactions, we certify that:

- an open competitive tender was used to determine the transaction value;
- the tender has been run in a manner intended to ensure there were multiple credible competing tender proposals from parties unrelated to [name of EDB];
- all actual and potential tenderers were provided with the same information and there was no information or communication relevant to the tender that was provided only to the related party;
- other tender proposals were received and 1 or more such tenderers is willing to discuss their tender with the Commission (if the Commission wishes);
- that the lowest qualifying tender proposal was accepted; and
- [name of EDB] holds documents supporting:
 - How many tender proposals were received and how many tender proposals met any qualifying criteria and were considered for acceptance;
 - Why any tender proposal lodged was not considered by [name of EDB] for acceptance]

* Delete if inapplicable

[Signatures of 2 directors]

[Date]

Schedule 24 Certification for Transitional Disclosures

Clause 3 of section 2.7

We, [insert full names], being directors of [name of EDB] certify that, having made all reasonable enquiry, to the best of our knowledge the information, prepared for the purposes of subclauses 1.1 and 1.2 of section 2.10 of the Commerce Act (Electricity Distribution Services Information Disclosure) Determination 2012 in all material respects complies with that determination.

[Signatures of 2 directors]

[Date]