

# networktasman

Your consumer-owned electricity distributor

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## NETWORK TASMAN LIMITED

### DEFAULT PRICE-QUALITY PATH COMPLIANCE STATEMENT

Assessment for Year ended 31 March 2017 (Assessment Period Two)

Pursuant to the Commerce Act  
Electricity Distribution Services Default Price-Quality Path  
Determination 2015

Dated 1 June 2017

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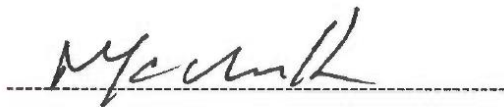
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## **1 Directors' Certification**

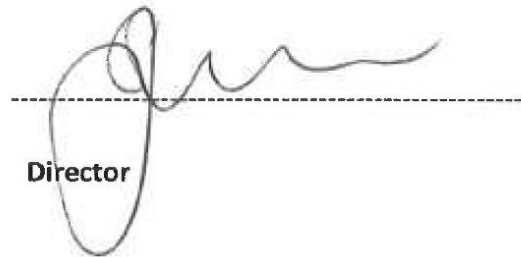
### **Default Price-Quality Path Compliance Statement**

**Year Ended 31 March 2017**

We, M. J. McCliskie and Sarah-Jane Weir, being directors of Network Tasman Limited, certify that, having made all reasonable enquiry, to the best of our knowledge and belief, the attached Annual Compliance Statement of Network Tasman Limited, and related information, prepared for the purposed of the Electricity Distribution Services Default Price-Quality Path Determination 2015 are true and accurate.



**Director**



**Director**

**Dated: 1 June 2017**

## 2 Default Price-Quality Path Compliance Statement

### a). Background

Network Tasman Limited (**NTL**) is a Non Exempt Electricity Distribution Business as defined in section 54G of the Commerce Act 1986 and consequently is subject to Default Price-Quality Regulation. This statement provides an assessment of NTL's compliance with the requirements of the Electricity Distribution Services Default Price-Quality Path Determination 2015 (the **DPP Determination 2015**) for the year ended 31 March 2017.

### b). Information

The audited information NTL has included in this statement has been prepared specifically to comply with the requirements of Clauses 8-11 of the DPP Determination 2015. This audited information includes:

- NTL's schedule of prices for 2016/2017 (Appendix 1)
- Calculation of the maximum allowable notional revenue compared with notional revenue, distribution prices and quantities (Appendix 2)
- Pass through revenue calculations (Appendix 3)
- Calculation of pass-through balance (Appendix 4)
- Applicability of recoverable costs for 2016/17 DPP compliance (Appendix 5)
- Pass-through and recoverable costs used to set prices (Appendix 6)
- Reliability data and assessment (Appendix 7)
- Two previous annual reliability assessments (Appendix 8)
- Reliability recording policies and procedures (Appendix 9)

### c). Price Path Compliance

Network Tasman Limited **fully complies with the default price pathway** requirements specified in Clause 8 of the DPP Determination 2015 for the year to 31 March 2017. The following test confirms NTL's compliance.

#### Test: Clause 8.3 of the DPP Determination 2015

The Notional Revenue for a Non-exempt EDB (NTL) in the Assessment Period for the year to 31 March 2017 must not exceed the allowable notional revenue for the Assessment Period:

Test per Clause 8.3:	NR < ANR
Where:	NR = Notional Revenue ANR = Allowable Notional Revenue
ANR <sub>2016/17</sub>	\$28,391,747
NR <sub>2016/17</sub>	\$28,221,840
<b>Result:</b>	<b>NR does not exceed ANR</b>

This test confirms NTL compliance with the Default Price Path. Actual Notional Revenue  $NR_{2017}$  was \$169,907 less than the Allowable Notional Revenue  $R_{2017}$  for the Assessment Period ended 31 March 2017. The supporting evidence for the test above is provided in Appendices 1 and 2. NTL's schedule of distribution prices is contained in Appendix 1. Calculation of the allowable notional revenue and notional revenue is in Appendix 2.

Notional Revenue in the DPP compliance assessment includes all revenue NTL has derived from supply of the following controlled, non-contestable line function services:

- Electricity conveyance services provided under Use of Systems Agreements with electricity retailers
- Electricity conveyance services provided under Direct Connection Agreements with major electricity consumers and embedded electricity generators
- Network development levies and connection fees charged to new electrical loads at the time of their connection to Network Tasman Limited's distribution network.
- Application fees for Small Scale Distributed Generation (SSDG)

The Allowable Notional Revenue for the year to 31 March 2017 was calculated using the following formula set out in Schedule 3B of the DPP Determination 2015:

$$ANR = (\sum DP_{2016} Q_{2015} + (ANR_{2016} - NR_{2016}))(1 + \Delta CPI)(1 - X)$$

#### d). Quality Standard Compliance

Network Tasman Limited **fully complies with the default quality standard** in Clause 9 of *Determination 2015* for the assessment period ended 31 March 2017. In particular:

- NTL's assessed SAIDI value has not exceeded the SAIDI Limit
- NTL's assessed SAIFI value has not exceeded the SAIFI Limit

Under Clause 9 of the DPP Determination 2015, to comply for Assessment Two, NTL must either:

- Under 9.1a, comply with the annual reliability assessment; or
- Under 9.1b, have complied with the annual reliability assessments in each of the two preceding Assessment periods.

The following test confirms NTL's compliance under 9.1a.

**Figure 1: Quality standards compliance with clause 9.1a of the DPP Determination 2015**

<b>Test per 9.1a:</b>	
SAIDI Assessed Value ≤ SAIDI Limit recalculated in accordance with Schedule 4B	
Assessed Value	132.52
SAIDI Limit	157.79
<b>SAIDI complies with assessment</b>	
SAIFI Assessed Value ≤ SAIFI Limit recalculated in accordance with Schedule 4B	
Assessed Value	1.248
SAIFI Limit	1.676
<b>SAIFI complies with assessment</b>	

NTL's annual reliability assessments for the previous two periods are contained in Appendix 8 which demonstrates that 9.1b of the DPP Determination 2015 is also satisfied.

**e). Transactions compliance**

On 1 December 2014, NTL acquired from Transpower the 66kV transmission line to the Cobb hydro-electric power station and connection assets at Motueka and Golden Bay. As per clause 10.6 of the DPP Determination 2015 relating to the purchase of system fixed assets from Transpower, NTL has recalculated the SAIDI and SAIFI limits, boundary values, caps and collars contained in Schedule 4A, according to the methodology specified in Schedule 4B in the annual reliability assessment. These values were recalculated in the preparation of Assessment One. Details of the recalculations are set out in Appendix 7. NTL has not undertaken any other transmission acquisition in the relevant period.

NTL has not undertaken an Amalgamation, Merger or Major Transaction (as defined in the Determination 2015) in the assessment period for the year ended 31 March 2017.

**f). Restructure of Prices Compliance**

NTL is required to disclose any restructuring of prices in the year to 31 March 2017 that requires specific disclosure and assessment in terms of Clause 11.7 and 11.8 of the DPP Determination 2015. The only pricing restructure was the introduction of price changes to Small Scale Distributed Generation (SSDG) application fee as per Schedule 6.5 of the Electricity Industry Participation Code which required the pricing structure set out in the table below:

SSDG Application type	Units	Application fee
Part 1 (unapproved inverter)	\$/SSDG	200
Part 1a (approved inverter)	\$/SSDG	100
SSDG > 10kW and < 100kW	\$/SSDG	500
SSDG > 100kW and <1000kW	\$/SSDG	1,000
SSDG > 1000kW	\$/SSDG	5,000

While there was a price for >10kW, all SSDG was charged at the ≤ 10kW price of \$173.91 per connection for Q2015. Post the change the fee for new connections ≤ 10kW with a pre-approved inverter are charged under Part1A (\$100), and those without an approved inverter at \$200. Since the change, all applications were of type Part 1a, therefore there was no need to estimate lagged quantities for the other applications types (as were all set to zero). NTL's >10 kW fee was replaced with the three mandated prices above, >10 kW and <100 kW, >100 kW and <1000 kW and >1000 kW.

**g). Recoverable Costs and Pass-Through Costs**

In accordance with the DPP Determination 2015 the recoverable and pass-through cost categories described below have been included in NTL's Default Price Path calculations.

**i) Recoverable Costs  $V_{2017}$  include the following cost categories:**

- Charges billed by Transpower
  - i. Connection charges
  - ii. Interconnection charges
  - iii. New Investment charges
- Avoided transmission charges paid to embedded generators

- Avoided Transpower charge liability as a result of a transmission asset acquisition
- Quality incentive adjustment
- Capex wash-up adjustment

A list of the recoverable costs described in the Electricity Distribution Services Input Methodologies Determination 2012 (as amended at December 2015), and their applicability to NTL's DPP assessment for the year ended March 2017 is set out in Appendix 5.

**ii) Pass Through Costs  $K_{2017}$  include the following costs categories:**

- Local Authority *Rates* levied on NTL's systems fixed assets including lines, cables, electrical equipment and substation land and buildings.
- Electricity Authority *Levies* for the regulatory costs allocated to all EDB's under an industry levy formula determined by government.
- Commerce Act *Levies* for the funding of Commerce Commission EDB regulatory activities that are allocated to all EDB's under an industry levy formula determined by government.
- Electricity and Gas Complaints Commission *Levies* for funding the contribution all EDB's make towards the independent electricity and gas industry complaints resolution scheme.

A comparison of actual pass through and recoverable costs with those used to set prices is set out in Appendix 6.

**h). Methodology used to set prices for 2016/17**

Distribution prices

Distribution prices for the previous year (2015/16) were multiplied by the quantities for 2014/15 (ie, 2 year lagged quantities). This calculation showed what the notional revenue would be if prices remained constant. The resulting notional revenue did not exceed the allowable notional revenue and no price increase was applied aside from the price applicable for the large embedded generator.<sup>1</sup>

Pass-through Prices

Budgeted quantities for 2016/17 were set using analysis of historic trends as well as expectations regarding future growth. Prices for Group 6, Nelson Electricity and the large embedded generator were set directly through calculation of the transmission charges attributable to those consumers. Budgeted quantities for other customers were then multiplied by transmission prices from the previous year and the resulting revenue from all customers was compared with the sum of pass-through and recoverable costs. Prices were increased to reflect an increase in transmission charges.

The incentive associated with the avoided Transpower charge liability as a result of a transmission asset acquisition, which is included in the Recoverable Costs, is very significant. It was decided by NTL that full inclusion of that recoverable cost would not be required to earn a reasonable return.<sup>2</sup> As a result there is an under-recovery of recoverable costs in 2016/17.

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<sup>1</sup> The charge for the large embedded generator increased as per the contractual agreement with that generator.

<sup>2</sup> Instead there was only a partial inclusion of the incentive in 2016/17 prices.

Similarly, it was decided that the pass-through balance from 2015/16 would not be recovered from 2016/17 prices.

**i). Pass-through balance for 2016/17**

The pass-through balance for 2016/17 is -\$4,635,028 (see Appendix 4 for details as to how this was calculated). This means that the pass-through prices for 2016/17 under-recover recoverable and pass-through costs by approximately \$4.6m.

As described above, this large negative pass-through balance occurs because NTL concluded that it did not need to fully include the incentive associated with transmission asset acquisition in its prices to achieve a reasonable return for the company, and similarly that it did not need to recover the pass through balance from the previous year of -\$2.4m. This pricing approach reflects NTL's consumer ownership and dual focus on both operating a successful company and increasing consumer benefit.

**j). Network Tasman SAIDI & SAIFI Policies and Procedures**

NTL is required under Clause 11.5 (e) of the Determination 2015 to describe the policies and procedures used to record the SAIDI and SAIFI statistics for the Assessment Period ended 31 March 2017. This information is provided in Appendix 9.

### **3 Disclaimer**

The information disclosed by Network Tasman Limited in this Default Price-Quality Path Compliance Statement 2017 has been prepared solely for the purposes of complying with the requirements of the *Commerce Act 1986* and the Determination 2015.

The information in this compliance statement relates only to the lines business activities covered by the DDP Determination 2015. NTL is involved in other activities that are not required to be reported on under the Determination.

The information in this compliance statement has not been prepared for any other purpose than that required by the Determination 2015 and Network Tasman Limited expressly disclaims any liability to any party who may rely on this information for any other purpose.

## ***Appendix 1: Schedule of NTL prices for 2016/17***

The following table sets out for each price during the year ended 31 March 2017, the total price, the distribution portion of the price and the pass-through portion of the price, as required by clause 11.4(d) of the DPP Determination 2015.

PriceCode/ description	Units	Distribution Prices	Pass Through Price	Total Price
Streetlights (Watts)	c/W/day	0.079	0.038	0.12
0UNM count	c/day	35.00	18.00	53.00
0TBS count	c/day	0.00	0.00	0.00
1	c/day	11.85	3.15	15.00
2LLFC	c/day	11.85	3.15	15.00
2HLFC	c/day	11.85	3.15	15.00
2	c/kVA/day	3.68	1.53	5.21
HLF	c/kVA/day	31.24	8.78	40.02
1ANY	c/kWh	6.17	3.04	9.21
1DAY	c/kWh	6.78	3.36	10.14
1NIT	c/kWh	2.04	1.03	3.07
1OPK	c/kWh	4.84	2.33	7.17
1WSR	c/kWh	2.87	1.38	4.25
2ANY	c/kWh	5.87	2.24	8.11
2DAY	c/kWh	6.45	2.49	8.94
2NIT	c/kWh	1.94	0.75	2.69
2OPK	c/kWh	4.61	1.72	6.33
2WSR	c/kWh	2.72	1.03	3.75
2LANY	c/kWh	8.81	3.36	12.17
2LDAY	c/kWh	9.38	3.62	13.00
2LNIT	c/kWh	4.86	1.89	6.75
2LOPK	c/kWh	7.57	2.82	10.39
2LWSR	c/kWh	5.67	2.14	7.81
2HANY	c/kWh	12.24	4.69	16.93
2HDAY	c/kWh	12.81	4.95	17.76
2HNIT	c/kWh	8.28	3.23	11.51
2HOPK	c/kWh	11.02	4.13	15.15
2HWSR	c/kWh	9.11	3.46	12.57
HLFANY	c/kWh	1.67	0.61	2.28
HLFDAY	c/kWh	1.81	0.67	2.48
HLFNIT	c/kWh	0.52	0.19	0.71
HLFOPK	c/kWh	1.30	0.48	1.78
HLFWSR	c/kWh	0.75	0.28	1.03
GENA	c/kWh	0.00	0.00	0.00
Cat 3.1 Summer Day	c/kWh	0.44	0.00	0.44
Cat 3.1 Summer Night	c/kWh	0.24	0.00	0.24
Cat 3.1 Winter Day	c/kWh	0.79	0.00	0.79
Cat 3.1 Winter Night	c/kWh	0.24	0.00	0.24
Cat 3.1 RCPD \$/kW/day	\$/kW/day	0.0319	0.3077	0.3396
Cat 3.1 Anytime \$/kVA day	\$/kVA/day	0.0901	0.0338	0.1239
Cat 3.3 Summer Day	c/kWh	1.35	0.00	1.35
Cat 3.3 Summer Night	c/kWh	0.71	0.00	0.71
Cat 3.3 Winter Day	c/kWh	3.45	0.00	3.45
Cat 3.3 Winter Night	c/kWh	0.71	0.00	0.71
Cat 3.3 RCPD \$/kW/day	\$/kW/day	0.0319	0.3077	0.3396



PriceCode/ description	Units	Distribution Prices	Pass Through Price	Total Price
Cat 3.3 Anytime \$/kVA day	\$/kVA/day	0.1164	0.0338	0.1502
Cat 3.4 Summer Day	c/kWh	1.35	0.00	1.35
Cat 3.4 Summer Night	c/kWh	0.71	0.00	0.71
Cat 3.4 Winter Day	c/kWh	3.45	0.00	3.45
Cat 3.4 Winter Night	c/kWh	0.71	0.00	0.71
Cat 3.4 RCPD \$/kW/day	\$/kW/day	0.0319	0.3077	0.3396
Cat 3.4 Anytime \$/kVA day	\$/kVA/day	0.1242	0.0338	0.1580
Cat 3.5 Summer Day	c/kWh	0.91	0.00	0.91
Cat 3.5 Summer Night	c/kWh	0.57	0.00	0.57
Cat 3.5 Winter Day	c/kWh	2.95	0.00	2.95
Cat 3.5 Winter Night	c/kWh	0.57	0.00	0.57
Cat 3.5 RCPD \$/kW/day	\$/kW/day	0.0319	0.3077	0.3396
Cat 3.5 Anytime \$/kVA day	\$/kVA/day	0.1164	0.0338	0.1502
G3 Reactive Charge	c/kVar/day	0.2545	0.0000	0.2545
Cat 6.2	\$/year	229,973	362,829	592,802
Cat 6.1	\$/year	214,575	1,815,008	2,029,583
Large Embedded Generator	\$/year	1,308,853	318,948	1,627,801
Nelson Electricity	\$/year	0	2,158,233	2,158,233
NCA Admin G0	\$/ICP	125	n/a	125
NCA Admin G1	\$/ICP	250	n/a	250
NCA Admin G2	\$/ICP	325	n/a	325
NCA Admin G3	\$/ICP	400	n/a	400
SSDG < 10kW	\$/SSDG	n/a	n/a	0
Part 1	\$/SSDG	200	n/a	200
Part 1a	\$/SSDG	100	n/a	100
SSDG > 10kW and <100kW	\$/SSDG	500	n/a	500
SSDG > 100kW and <1000kW	\$/SSDG	1,000	n/a	1,000
SSDG > 1000kW	\$/SSDG	5,000	n/a	5,000
NDL - Group 1 uncapped	\$/kVA*km	7.44	n/a	7.44
NDL - Group 1 Capped	\$/ICP	3,250.00	n/a	3,250.00
NDL - Group 2	\$/kVA*km	18.32	n/a	18.32
NDL Subdivision	\$/ICP	2,170.75	n/a	2,170.75

## **Appendix 2: Allowable notional revenue and notional revenue for year to 31 March 2017**

<b>Allowable Notional Revenue for Assessment Two</b>	
$\sum DP2016Q2015 =$	\$28,227,547
$ANR2016-NR2016 =$	\$33,962
$\Delta CPI =$	0.0046
$X =$	0.00
<b><math>ANR = (\sum DP2016Q2015 + (ANR2016-NR2016))(1+\Delta CPI)(1-X) =</math></b>	<b>\$28,391,747</b>

**Table 1: Calculation of Notional Revenue**

Price Code/description	Quantity Units	Price Units	Q2015	Distribution Prices 2017	Revenue
Streetlights (Watts)	Watts	c/W/day	702,459	0.079	202,554
OUNM count	ICPs	c/day	92	35.00	11,790
OTBS count	ICPs	c/day	0	0.00	0
1	ICPs	c/day	35,093	11.85	1,517,851
2LLFC	ICPs	c/day	24	11.85	1,050
2HLFC	ICPs	c/day	1	11.85	43
2	kVA	c/kVA/day	114,630	3.68	1,539,705
HLF	kVA	c/kVA/day	2,896	31.24	330,176
1ANY	kWh	c/kWh	169,875,848	6.17	10,481,340
1DAY	kWh	c/kWh	1,675,244	6.78	113,582
1NIT	kWh	c/kWh	4,496,909	2.04	91,737
1OPK	kWh	c/kWh	516,356	4.84	24,992
1WSR	kWh	c/kWh	60,292,325	2.87	1,730,390
2ANY	kWh	c/kWh	65,093,216	5.87	3,820,972
2DAY	kWh	c/kWh	17,701,618	6.45	1,141,754
2NIT	kWh	c/kWh	7,654,543	1.94	148,498
2OPK	kWh	c/kWh	226,507	4.61	10,442
2WSR	kWh	c/kWh	3,812,739	2.72	103,707
2LANY	kWh	c/kWh	129,659	8.81	11,421
2LDAY	kWh	c/kWh	12,755	9.38	1,197
2LNIT	kWh	c/kWh	15,445	4.86	751
2LOPK	kWh	c/kWh	325	7.57	25
2LWSR	kWh	c/kWh	24,370	5.67	1,381
2HANY	kWh	c/kWh	2,271	12.24	278
2HDAY	kWh	c/kWh	0	12.81	0

Price Code/description	Quantity Units	Price Units	Q2015	Distribution Prices 2017	Revenue
2HNIT	kWh	c/kWh	0	8.28	0
2HOPK	kWh	c/kWh	0	11.02	0
2HWSR	kWh	c/kWh	0	9.11	0
HLFANY	kWh	c/kWh	4,332,433	1.67	72,352
HLFDAY	kWh	c/kWh	3,491,078	1.81	63,189
HLFNIT	kWh	c/kWh	1,474,604	0.52	7,668
HLFOPK	kWh	c/kWh	0	1.30	0
HLFWSR	kWh	c/kWh	38,459	0.75	288
GENA	kWh	c/kWh	1,089,825	0.00	0
Cat 3.1 Summer Day	kWh	c/kWh	4,326,185	0.44	19,035
Cat 3.1 Summer Night	kWh	c/kWh	1,818,015	0.24	4,363
Cat 3.1 Winter Day	kWh	c/kWh	3,182,244	0.79	25,140
Cat 3.1 Winter Night	kWh	c/kWh	1,354,065	0.24	3,250
Cat 3.1 RCPD \$/kW/day	kW	\$/kW/day	1,536	0.0319	17,884
Cat 3.1 Anytime \$/kVA day	kVA	\$/kVA/day	2,419	0.0901	79,552
Cat 3.3 Summer Day	kWh	c/kWh	3,910,261	1.35	52,789
Cat 3.3 Summer Night	kWh	c/kWh	1,739,069	0.71	12,347
Cat 3.3 Winter Day	kWh	c/kWh	1,988,941	3.45	68,618
Cat 3.3 Winter Night	kWh	c/kWh	810,430	0.71	5,754
Cat 3.3 RCPD \$/kW/day	kW	\$/kW/day	457	0.0319	5,321
Cat 3.3 Anytime \$/kVA day	kVA	\$/kVA/day	2,103	0.1164	89,348
Cat 3.4 Summer Day	kWh	c/kWh	42,744,747	1.35	577,054
Cat 3.4 Summer Night	kWh	c/kWh	14,944,275	0.71	106,104
Cat 3.4 Winter Day	kWh	c/kWh	32,577,301	3.45	1,123,917
Cat 3.4 Winter Night	kWh	c/kWh	11,501,026	0.71	81,657
Cat 3.4 RCPD \$/kW/day	kW	\$/kW/day	14,872	0.0319	173,163
Cat 3.4 Anytime \$/kVA day	kVA	\$/kVA/day	38,753	0.1242	1,756,790
Cat 3.5 Summer Day	kWh	c/kWh	5,576,915	0.91	50,750
Cat 3.5 Summer Night	kWh	c/kWh	2,482,601	0.57	14,151
Cat 3.5 Winter Day	kWh	c/kWh	4,123,628	2.95	121,647
Cat 3.5 Winter Night	kWh	c/kWh	1,853,395	0.57	10,564
Cat 3.5 RCPD \$/kW/day	kW	\$/kW/day	1,935	0.0319	22,530
Cat 3.5 Anytime \$/kVA day	kVA	\$/kVA/day	3,866	0.1164	164,251
G3 Reactive Charge	kVAr	c/kVAr/day	1423	0.2545	13,238
Cat 6.2	ICP	\$/year	1	229,973.00	229,973
Cat 6.1	ICP	\$/year	1	214,575.00	214,575
Large Embedded Generator	ICP	\$/year	1	1,308,853	1,308,853
Nelson Electricity	Connection	\$/year	1	0	0
NCA Admin G0	ICP	\$/ICP	2	125.00	250
NCA Admin G1	ICP	\$/ICP	507	250.00	126,750

Price Code/description	Quantity Units	Price Units	Q2015	Distribution Prices 2017	Revenue
NCA Admin G2	ICP	\$/ICP	50	325.00	16,250
NCA Admin G3	ICP	\$/ICP	12	400.00	4,800
SSDG < 10kW	SSDG	\$/SSDG	92	n/a	0
Part 1	SSDG	\$/SSDG	0	200.00	0
Part 1a	SSDG	\$/SSDG	0	100.00	9,200
SSDG > 10kW and < 100kW	SSDG	\$/SSDG	0	500.00	0
SSDG > 100kW and <1000kW	SSDG	\$/SSDG	0	1,000.00	0
SSDG > 1000kW	SSDG	\$/SSDG	0	5,000.00	0
NDL - Group 1 uncapped	kVA*km	\$/kVA*km	7,455	7.44	55,487
NDL - Group 1 Capped	ICP	\$/ICP	3	3,250.00	9,750
NDL - Group 2	kVA*km	\$/kVA*km	9,035	18.32	165,506
NDL Subdivision	ICP	\$/ICP	24	2,170.75	52,098
<b>Total Notional Revenue NR</b>					<b>28,221,840</b>

### Appendix 3: Pass-through revenue calculations

The calculation of pass-through revenue is contained in the following table in which 2016/17 pass-through prices (PTP<sub>2017</sub>) are multiplied by 2016/17 quantities (Q<sub>2017</sub>).

**Table 2: Calculation of Pass-through revenue**

PriceCode/description	Quantity Units	Price Units	Q2017	Pass Through Price	P(V) <sub>2017</sub> Q <sub>2017</sub>
Streetlights (Watts)	Watts	c/W/day	558,976	0.04	77,529.97
OUNM count	ICPs	c/day	85	18.00	5,584.50
OTBS count	ICPs	c/day	0	0.00	0.00
1	ICPs	c/day	35,749	3.15	411,024.13
2LLFC	ICPs	c/day	37	3.15	425.41
2HLFC	ICPs	c/day	2	3.15	23.00
2	kVA	c/kVA/day	120,518	1.53	673,032.77
HLF	kVA	c/kVA/day	3,218	8.78	103,127.25
1ANY	kWh	c/kWh	177,450,736	3.04	5,394,502.38
1DAY	kWh	c/kWh	1,907,057	3.36	64,077.12
1NIT	kWh	c/kWh	4,419,404	1.03	45,519.86
1OPK	kWh	c/kWh	436,912	2.33	10,180.04
1WSR	kWh	c/kWh	61,785,579	1.38	852,640.99
2ANY	kWh	c/kWh	65,013,710	2.24	1,456,307.10
2DAY	kWh	c/kWh	16,787,597	2.49	418,011.17
2NIT	kWh	c/kWh	7,921,016	0.75	59,407.62
2OPK	kWh	c/kWh	257,779	1.72	4,433.79
2WSR	kWh	c/kWh	3,678,732	1.03	37,890.94
2LANY	kWh	c/kWh	197,206	3.36	6,626.12
2LDAY	kWh	c/kWh	17,709	3.62	641.07
2LNIT	kWh	c/kWh	13,274	1.89	250.88
2LOPK	kWh	c/kWh	177	2.82	4.99
2LWSR	kWh	c/kWh	42,705	2.14	913.89
2HANY	kWh	c/kWh	6,243	4.69	292.80
2HDAY	kWh	c/kWh	0	4.95	0.00
2HNIT	kWh	c/kWh	0	3.23	0.00
2HOPK	kWh	c/kWh	0	4.13	0.00
2HWSR	kWh	c/kWh	1,016	3.46	35.15
HLFANY	kWh	c/kWh	5,060,318	0.61	30,867.94
HLFDAY	kWh	c/kWh	4,044,475	0.67	27,097.98
HLFNIT	kWh	c/kWh	1,666,851	0.19	3,167.02
HLFOPK	kWh	c/kWh	0	0.48	0.00

PriceCode/description	Quantity Units	Price Units	Q2017	Pass Through Price	P(V) <sub>2017</sub> Q <sub>2017</sub>
HLFWSR	kWh	c/kWh	34,536	0.28	96.70
GENA	kWh	c/kWh	2,828,885	0.00	0.00
Cat 3.1 Summer Day	kWh	c/kWh	4,359,894	0.00	0.00
Cat 3.1 Summer Night	kWh	c/kWh	1,809,313	0.00	0.00
Cat 3.1 Winter Day	kWh	c/kWh	3,007,389	0.00	0.00
Cat 3.1 Winter Night	kWh	c/kWh	1,295,466	0.00	0.00
Cat 3.1 RCPD \$/kW/day	kW	\$/kW/day	1,450	0.3077	162,850.23
Cat 3.1 Anytime \$/kVA day	kVA	\$/kVA/day	2,412	0.0338	29,756.84
Cat 3.3 Summer Day	kWh	c/kWh	3,888,798	0.00	0.00
Cat 3.3 Summer Night	kWh	c/kWh	1,725,422	0.00	0.00
Cat 3.3 Winter Day	kWh	c/kWh	2,089,711	0.00	0.00
Cat 3.3 Winter Night	kWh	c/kWh	843,363	0.00	0.00
Cat 3.3 RCPD \$/kW/day	kW	\$/kW/day	993	0.3077	111,524.33
Cat 3.3 Anytime \$/kVA day	kVA	\$/kVA/day	2,319	0.0338	28,609.50
Cat 3.4 Summer Day	kWh	c/kWh	45,108,939	0.00	0.00
Cat 3.4 Summer Night	kWh	c/kWh	15,810,534	0.00	0.00
Cat 3.4 Winter Day	kWh	c/kWh	35,109,862	0.00	0.00
Cat 3.4 Winter Night	kWh	c/kWh	12,605,606	0.00	0.00
Cat 3.4 RCPD \$/kW/day	kW	\$/kW/day	17,313	0.3077	1,944,431.69
Cat 3.4 Anytime \$/kVA day	kVA	\$/kVA/day	41,326	0.0338	509,838.86
Cat 3.5 Summer Day	kWh	c/kWh	5,164,171	0.00	0.00
Cat 3.5 Summer Night	kWh	c/kWh	2,256,059	0.00	0.00
Cat 3.5 Winter Day	kWh	c/kWh	4,431,814	0.00	0.00
Cat 3.5 Winter Night	kWh	c/kWh	1,975,078	0.00	0.00
Cat 3.5 RCPD \$/kW/day	kW	\$/kW/day	1,866	0.3077	209,571.39
Cat 3.5 Anytime \$/kVA day	kVA	\$/kVA/day	3,702	0.0338	45,671.57
G3 Reactive Charge	kVAr	c/kVAr/day	168	0.0000	0.0000
Cat 6.2	ICP	\$/year	1	362,828.69	362,828.69
Cat 6.1	ICP	\$/year	1	1,815,008.01	1,815,008.01
Large Embedded Generator	ICP	\$/year	1	318,948	318,948
Nelson Electricity	Connection	\$/year	1	2,158,233	2,158,233
NCA Admin G0	ICP	\$/ICP	0.00	n/a	0
NCA Admin G1	ICP	\$/ICP	0.00	n/a	0
NCA Admin G2	ICP	\$/ICP	0.00	n/a	0
NCA Admin G3	ICP	\$/ICP	0.00	n/a	0
SSDG < 10kW	SSDG	\$/SSDG	0.00	n/a	0
Part 1	SSDG	\$/SSDG	0.00	n/a	0

PriceCode/description	Quantity Units	Price Units	Q2017	Pass Through Price	P(V) <sub>2017</sub> Q <sub>2017</sub>
Part 1a	SSDG	\$/SSDG	0.00	n/a	0
SSDG > 100kW and <1000kW	SSDG	\$/SSDG	0.00	n/a	0
SSDG > 10kW and < 100kW	SSDG	\$/SSDG	0	n/a	0
SSDG > 1000 kW	SSDG	\$/SSDG	0	n/a	0
NDL - Group 1 uncapped	kVA*km	\$/kVA*km	0.00	n/a	0
NDL - Group 1 Capped	ICP	\$/ICP	0.00	n/a	0
NDL - Group 2	kVA*km	\$/kVA*km	0.00	n/a	0
NDL Subdivision	ICP	\$/ICP	0.00	n/a	0
<b>ΣPTP<sub>2017</sub>Q<sub>2017</sub></b>					<b>17,380,984</b>

## Appendix 4: Calculation of Pass-through Balance

$$PTB = \sum PTP_{2017Q2017} - K_{2017} - V_{2017} - PTB_{t-1}(1+r)$$

$\sum PTP_{2017Q2017}$	\$17,380,984
$K_{2017}$	\$409,834
$V_{2017}$	\$19,073,503
$PTB_{t-1}$	(2,387,290)
$r =$	6.09%
Pass Through Balance	<u><u>(\$4,635,028)</u></u>

### Pass-through Balance Reconciliation

Assessment One		Assessment Two		Difference
For YE March 2016		For YE March 2017		
	P2016Q2016		P2017Q2017	
$\sum PTP_{t-1}Q_{t-1}$	16,797,099	$\sum PTP_tQ_t$	17,380,984	583,885
$K_{t-1}$	330,381	$K_t$	409,834	79,452
$V_{t-1}$	18,854,007	$V_t$	19,073,503	219,495
PTB 1st assessment =0.	0	PTB <sub>t-1</sub>	(2,387,290)	(2,387,290)
r = cost debt	6.09%	r = cost debt	6.09%	
PTB <sub>t-1</sub>	(2,387,290)	PTB <sub>t</sub>	(4,635,028)	(2,247,738)



## **Appendix 5: Applicability of recoverable costs for 2016/17 DPP compliance**

The recoverable costs that may be claimed under the DPP are set out in 3.1.3(1) of *Electricity Distribution Services Input Methodologies Determination 2012* as amended and consolidated as of 15 December 2015. An assessment of which of these are relevant to NTL's DPP calculation for the year ended 31 March 2017 is set out in the table below.

<b>Subclause of 3.1.3(1)</b>	<b>Recoverable cost</b>	<b>Applicability to NTL for Assessment One</b>
(a)(i)	IRIS incentive adjustment	Not applicable in the current assessment period.
(a)(ii)	CPP transition	Not applicable.
(b)	Charges payable to Transpower for electricity lines services in respect of the transmission system	Applicable - connection and interconnection charges billed by Transpower.
(c)	Transpower NIA charge	Applicable.
(d)	Charges for System Operator services	Not applicable.
(e)	Transpower charges for transmission and NIA that have been avoided as a result of an acquisition of transmission assets	Applicable as a result of December 2014 acquisition by NTL of transmission assets from Transpower.
(f)	Distributed generation allowance	Applicable – Avoided Cost of Transmission (ACOT) payments.
(g)	Claw-back applied by the Commission.	Not applicable.
(h)-(l)	Relevant to CPP	Not applicable.
(m)	Energy efficiency and demand side management incentive allowance	Not applicable.
(n)	Catastrophic allowance	Not applicable.
(o)	Extended reserves allowance	Not applicable.
(p)	Quality incentive adjustment	Applicable – calculated in Assessment One (2015/16).
(q)	Capex wash-up adjustment	Applicable – source from Commerce Commission capex wash-up adjustment calculator
(r)	Transmission asset wash-up adjustment	Not relevant because transmission asset acquisition by NTL was completed prior to the commencement of the regulatory period.
(s)	2013-15 NPV wash-up allowance	Not applicable – only relevant to Alpine, Centralines and Top Energy.
(t)	A reconsideration event allowance	Not applicable.

## ***Appendix 6: Pass-through and recoverable costs used to set prices***

Pass-through costs used to set prices are those contained in the Budget column of Table 3 below. Variation between actual and amount used to set prices is negligible for most of the pass-through costs, except the EA levy due to a budgeting error.

**Table 3: Pass-through costs used to set prices**

<b>Pass Through</b>	<b>Budget</b>	<b>Actual</b>
Commerce Commission Levy	\$72,000	\$68,704
Electricity Authority	\$105,018	\$122,796
Electricity Gas Complaints Commission	\$19,000	\$19,468
Local Body Rates	<u>\$201,945</u>	<u>\$198,867</u>
	<b>\$397,963</b>	<b>\$409,834</b>

Recoverable costs used to set prices are those contained in the Budget column of Table 4 below. There was no difference between the budget and actual recoverable costs, aside from the quality incentive adjustment. The budget for the quality incentive adjustment was set at \$0 as it was unknown at the time that 2016/17 pricing was set.

**Table 4: Recoverable costs used to set prices**

<b>Recoverable Costs V<sub>2017</sub></b>	<b>Budget</b>	<b>Actual</b>
Transpower Transmission Charges for YE March 2017	\$13,267,974	\$13,267,974
Avoided Transmission Charges (Embedded Generators)	\$1,785,942	\$1,785,942
Avoided Transmission Allowance (per Schedule 5E )	\$4,269,909	\$4,269,909
Capex Wash-up Adjustment	(\$256,285)	(\$256,285)
Quality Incentive Adjustment	\$0	\$5,961
<b>Total Recoverable Costs</b>	<b>\$19,067,541</b>	<b>\$19,073,503</b>

## Appendix 7: Reliability data and assessment – 2016/17

NTL purchased fixed assets from Transpower 2014, hence a recalculation of the quality measures are made as per Schedule 4B

Subsequent to the purchase of system fixed assets from Transpower, a Reference Dataset of interruptions during the reference period as per Schedule 4B 7a was used for recalculations.

<b>Annual reliability assessment (Compliance test)</b>			
a. SAIDI. Assessed value =< SAIDI Limit		<u>Initial</u>	<u>Recalculation</u>
Assessed Value		130.87	132.52
SAIDI Limit		129.82	157.79
Test		1.01	0.84
b. SAIFI. Assessed value =< SAIFI Limit			
Assessed Value		1.192	1.248
SAIFI Limit		1.422	1.676
Test		0.838	0.744
<b>1 Recalculation of Assessed values for test</b>			
<b>Recalculation of Boundary Values</b>		<u>Initial</u>	<u>Recalculation</u>
SAIDI Unplanned Boundary Value		6.93	7.48
SAIFI Unplanned Boundary Value		0.067	0.089
<i>a boundary is the 23rd largest value in reference dataset</i>			
<b>SAIDI<sub>B</sub></b>	$\sum$ daily SAIDI <sub>B</sub> values during assessment two	70.03	70.03
<b>SAIDI<sub>C</sub></b>	$\sum$ daily SAIDI <sub>C</sub> values during assessment two <sup>(1)</sup>	95.86	97.51
<b>SAIFI<sub>B</sub></b>	$\sum$ daily SAIFI <sub>B</sub> values during assessment two	0.283	0.283
<b>SAIFI<sub>C</sub></b>	$\sum$ daily SAIFI <sub>C</sub> values during assessment two <sup>(1)</sup>	1.050	1.106
Note 1. where any daily value > boundary value, use boundary value			
B = Planned, C = Unplanned			
SAIDI Assessed Value	recalculation=SAIDI <sub>B</sub> ×0.5+SAIDI <sub>C</sub>	130.874	132.523
SAIFI Assessed Value	recalculation=SAIFI <sub>B</sub> ×0.5+SAIFI <sub>C</sub>	1.192	1.248

## 2 Recalculation of Limits

Based on new reference dataset with aquired fixed asset outages included

### 2.1 Recalculate Targets.

	<u>Initial</u>	<u>Recalculation</u>
Daily <sub>planned</sub>		623.82
Daily <sub>unplanned</sub>		969.01
<b>SAIDITarget</b>	<b>112.48</b>	<b>128.09</b>

Daily <sub>planned</sub>		3.094
Daily <sub>unplanned</sub>		12.260
<b>SAIFITarget</b>	<b>1.230</b>	<b>1.381</b>

*Daily planned/unplanned is sum of all values in Reference Dataset  
Recalculated Targets are (DailyPlanned×0.5+DailyUnplanned)/10*

### 2.2 Recalculate Deviation per 4B

SAIDId Deviation		1.555
SAIFId Deviation		0.015

### 2.3 New limits

SAIDI Limit	<i>Recalculation=(Target+(Sdeviation×√365)</i>	129.82	157.79
SAIFI Limit	<i>Recalculation=(Target+(Sdeviation×√365)</i>	1.422	1.676

## 3 Recalculation for Quality Incentive Adjustment

*For information only in Assessment Two*

SAIDI Collar	<i>Recalculation=(Target-(Sdeviation×√365)</i>	95.14	98.39
SAIFI Collar	<i>Recalculation=(Target-(Sdeviation×√365)</i>	1.038	1.086
SAIDI Cap	<i>= SAIDI Limit</i>	129.82	157.79
SAIFI Cap	<i>= SAIFI Limit</i>	1.422	1.676

#### a) Find SSAIDI

SAIDI <sub>IR</sub>		4,729
SAIDI <sub>target</sub>		128.092
SAIDI <sub>lassess</sub>		132.523
<b>SSAIDI= (SAIDI<sub>IR</sub>×(SAIDI<sub>target</sub>-SAIDI<sub>lassess</sub>))</b>		<b>(\$20,955)</b>

#### b) Find SAIDI<sub>IR</sub>

SAIDI <sub>cap</sub>		157.792
SAIDI <sub>target</sub>		128.092
REVRisk	1%	28,092,000
<b>SAIDI<sub>IR</sub>=(0.5×RevRisk)/(SAIDI<sub>cap</sub>-SAIDI<sub>target</sub>)</b>		<b>\$4,729</b>

#### c) Find SSAIFI

SAIFI <sub>IR</sub>		475,776
SAIFI <sub>target</sub>		1.381
SAIFI <sub>lassess</sub>		1.248
<b>SSAIFI= (SAIFI<sub>IR</sub>×(SAIFI<sub>target</sub>-SAIFI<sub>lassess</sub>))</b>		<b>\$63,270</b>

			<u>Initial</u>	<u>Recalculation</u>
<b>d) Find SAIF<sub>IR</sub></b>				
SAIF <sub>cap</sub>				1.676
SAIF <sub>target</sub>				1.381
REV <sub>risk</sub>	1%	28,092,000		280,920
<b>SAIF<sub>IR</sub>=(0.5×Rev<sub>Risk</sub>)/(SAIF<sub>cap</sub>=SAIF<sub>target</sub>)</b>				<b>\$475,776</b>
<b>e) Calculate incentive</b>				
SSAIDI				(\$20,955)
SSAIFI				\$63,270
<b>STOTAL = SSAIDI + SSAIFI</b>				<b>\$42,315</b>

Recalculated on 10yr reference dataset as per Schedule 4B

#### Major Event Days

14-Nov-2016	Boundary exceeded for both SAIDI and SAIFI, due to effect of widespread earthquake
22-Jan-2017	Wind storm caused SAIDI to exceed boundary. Included damage to poles, insulators and bark on lines
14-Oct-2016	33kV feeder tripped, cause unknown

## **Appendix 8: Two previous annual reliability assessments**

The following annual reliability assessments for two previous assessment periods have been extracted from NTL's compliance statements.

### **Annual Reliability Assessment 2015/16**

The quality standards assessments for SAIDI and SAIFI below demonstrate that for the Assessment Period ended 31 March 2016, Network Tasman's:

- ***Assessed SAIDI value has not exceeded the SAIDI Limit***
- ***Assessed SAIFI value has not exceeded the SAIFI Limit***

when calculated in accordance with *Clause 9.1a of the DPP Determination 2015*.

**Figure 2: Quality standards compliance with clause 9.1a of the DPP Determination 2015**

<b>Test per 9.1a:</b>	
SAIDI Assessed Value ≤ SAIDI Limit recalculated in accordance with Schedule 4B	
Assessed Value	136.309
SAIDI Limit	157.792
<b>SAIDI complies with assessment</b>	
SAIFI Assessed Value ≤ SAIFI Limit recalculated in accordance with Schedule 4B	
Assessed Value	1.287
SAIFI Limit	1.676
<b>SAIFI complies with assessment</b>	

### **Annual Reliability Assessment 2014/15**

The quality standards assessments for SAIDI and SAIFI below demonstrate that for the Assessment Period ended 31 March 2015, Network Tasman's:

- ***Assessed SAIDI value has not exceeded the SAIDI Limit***
- ***Assessed SAIFI value has not exceeded the SAIFI Limit***

when calculated in accordance with *Clause 9.2 of the Determination 2012*.

*Clause 9.2 Interruption Duration (SAIDI Classes B&C) Test 2014/15*

Test:	$\frac{SAIDI_{Assessed\ 2015}}{SAIDI_{Limit}} \leq 1$	
SAIDI <sub>Assess 2015</sub>	157.8	
SAIDI <sub>Limit</sub>	162.5	
Result:	0.9708	< 1
Result:	SAIDI Limit has not been exceeded	

*Clause 9.2 Interruption Frequency (SAIFI Classes B&C) Test 2014/15*

Test:	$\frac{SAIFI_{Assessed\ 2015}}{SAIFI_{Limit}} \leq 1$	
SAIFI <sub>Assessed 2015</sub>	1.40	
SAIFI <sub>Limit</sub>	1.74	
Result:	0.8021	< 1
Result:	SAIFI Limit has not been exceeded	

## ***Appendix 9: Reliability Recording Policies and Procedures***

For the purposes of compiling annual SAIDI and SAIFI data:

- 1) A high voltage outage on the distribution network is defined as an event resulting in loss of supply to any number of consumers for a duration of more than one minute
- 2) Only those outages resulting in de-energisation of a high voltage feeder or conductor (6.6kV and above on NTL's network) are included in SAIDI & SAIFI statistics. Outages stemming from low voltage (400V) equipment are excluded.
- 3) Both planned (Class B) and unplanned (Class C) events are included within high voltage outage statistics
- 4) All high voltage outages are managed through Network Tasman's control room by a qualified NTL System Operator
- 5) The Faults and Maintenance Contract between NTL and its faults contractor, Delta, obligates both parties to manage all outage events centrally through the System Operator located in NTL's control room.
- 6) All HV fault switching operations are recorded by the System Operator in the Control Room Log at the time the activity takes place. This provides a detailed record of the switching events for future reference and record keeping.

Under fault conditions, customers affected by operation of a distribution system high voltage protection device can be divided into:

- (a) Those within the core fault area (i.e. who won't have supply restored until the necessary line repairs are completed)
- (b) Those outside the immediate fault area (i.e. who can have power restored through co-ordinated switching activity)

To calculate the customer minutes lost under each fault event, each event is approximated as a maximum two step restoration process. This is in keeping with the philosophy of fault restoration that relies on the following sequential process for supply restoration:

- (a) Identification, isolation and minimisation of the core fault area.
- (b) Restoration, through switching, of supply to areas not immediately within the core fault area
- (c) Making repairs and restoration of the core fault area.

The switching and recording process is managed by a NTL System Operator using NTL's Geographical Information System (GIS). To record outage data the operator draws geographical selection polygons around all sections of the high voltage line affected by the fault event. The software is then used to select and identify all the distribution transformers within the fault area. A query is then made into NTL's customer connection database to find and list all customers (ICPs) connected to those transformers affected by the fault event.

This data is then used in the following formula to calculate the total customer minutes for a fault event:

$$\begin{aligned} &\text{Total No. of customers initially affected} \times (\text{Time Unfaulted Area restored} - \text{Time of Initial Interruption}) \\ &+ \\ &\text{No. of Fault area customers} \times (\text{Time Fault Area restored} - \text{Time Unfaulted Area restored}) \end{aligned}$$



Planned and unplanned events rely on essentially the same recording process however by nature, planned interruptions can be identified down to a predetermined set of consumers within a known area in advance.

The total customer minutes for a planned interruption are thus calculated using the following formula:

$$\text{Total No. of customers interrupted} \times (\text{Time Interrupted Area restored} - \text{Time of Initial Interruption})$$

The system operator records details of all outage events in the NTL Outage Database. This is an access database that remains on line in the control room. Each planned or unplanned event forms a one record entry into the database. The Outages Database is subject to NTL's normal electronic file backup and security protocols.

The Outage Database records the following data fields for each event:

- Date
- ID number of the protective device that has operated (allows identification of the HV feeder and area affected)
- Area: (Text description of area affected)
- Description; (Text description of fault cause and type – recorded once known)
- Outage type (Planned Shutdown or Fault)
- Area Class (Urban or Rural)
- Fault Class (Overhead or Underground)
- Fault Voltage (6.6kV, 11kV, 33kV, 66kV)
- Outage Region (Stoke, Motueka, Golden Bay, Kikiwa, Murchison)
- Time of Initial Interruption
- Time Unfaulted Area Restored
- Time Fault area restored
- Customers (ICPs) in Total Area (recorded post event)
- Customers (ICPs) in Fault area (recorded post event)

Unless otherwise stated all data is recorded on line by the NTL System Operator at the time of the event.

The outage database supports the following NTL activities:

- 1) Queries on an as needed basis by NTL's Network and Operations Managers
- 2) Summary outage statistics are prepared and provided to NTL's CEO and Board of Directors on a monthly basis and are compared against expected values.
- 3) Annual outage statistics are prepared and independently audited for regulatory and financial reporting purposes.
- 4) Summary statistics are recorded on a cumulative basis and are used for comparative analysis and form a key input into NTL's annual Asset Management Planning process.
- 5) Annual data is also reported against reliability targets in NTL's SCI, Information Disclosure Statements and Annual Financial Statements.
- 6) The SCI targets are negotiated and agreed annually with the Network Tasman Trust.

## **Independent Assurance Report**

### **To the directors of Network Tasman Limited and the Commerce Commission**

The Auditor-General is the auditor of Network Tasman Limited (the company). The Auditor-General has appointed me, Ian Lothian, using the staff and resources of Audit New Zealand, to provide an opinion, on his behalf, on whether the Annual Compliance Statement for the year ended on 31 March 2017 on pages 2 to 24 has been prepared, in all material respects, with the Electricity Distribution Services Default Price-Quality Path Determination 2015 (the Determination).

#### **Directors' responsibilities for the Annual Compliance Statement**

The directors of the company are responsible for the preparation of the Annual Compliance Statement in accordance with the Determination, and for such internal control as the directors determine is necessary to enable the preparation of an Annual Compliance Statement that is free from material misstatement.

#### **Our responsibility for the Annual Compliance Statement**

Our responsibility is to express an opinion on whether the Annual Compliance Statement has been prepared, in all material respects, in accordance with the Determination.

#### **Basis of opinion**

We conducted our engagement in accordance with the International Standard on Assurance Engagements (New Zealand) 3000 (Revised): Assurance Engagements Other Than Audits or Reviews of Historical Financial Information and the Standard on Assurance Engagements 3100: Compliance Engagements issued by the External Reporting Board. Copies of these standards are available on the External Reporting Board's website.

These standards require that we comply with ethical requirements and plan and perform our assurance engagement to provide reasonable assurance about whether the Annual Compliance Statement has been prepared in all material respects in accordance with the Determination.

We have performed procedures to obtain evidence about the amounts and disclosures in the Annual Compliance Statement. The procedures selected depend on our judgement, including the assessment of the risks of material misstatement of the Annual Compliance Statement, whether due to fraud or error or non-compliance with the Determination. In making those risk assessments, we considered internal control relevant to the company's preparation of the Annual Compliance Statement in order to design procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the company's internal control.

In assessing the disclosures about compliance with the price path in clause 8 of the Determination for the assessment period ended on 31 March 2017, our assurance

engagement included examination, on a test basis, of evidence relevant to the amounts and disclosures contained on pages 2 to 17 of the Annual Compliance Statement.

In assessing the disclosures about compliance with the quality standards in clause 9 of the Determination for the assessment period ended on 31 March 2017, our assurance engagement included examination, on a test basis, of evidence relevant to the amounts and disclosures contained on pages 3 to 6, and 18 to 24 of the Annual Compliance Statement.

Our assurance engagement also included assessment of the significant estimates and judgements, if any, made by the company in the preparation of the Annual Compliance Statement.

We believe that the evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

## **Use of this report**

This independent assurance report has been prepared solely for the directors of the company and for the Commerce Commission for the purpose of providing those parties with reasonable assurance about whether the Annual Compliance Statement has been prepared, in all material respects, in accordance with the Determination. We disclaim any assumption of responsibility for any reliance on this report to any person other than the directors of the company or the Commerce Commission, or for any other purpose than that for which it was prepared.

## **Scope and inherent limitations**

Because of the inherent limitations of a reasonable assurance engagement, and the test basis of the procedures performed, it is possible that fraud, error or non-compliance may occur and not be detected.

We did not examine every transaction, adjustment or event underlying the Annual Compliance Statement nor do we guarantee complete accuracy of the Annual Compliance Statement. Also we did not evaluate the security and controls over the electronic publication of the Annual Compliance Statement.

The opinion expressed in this independent assurance report has been formed on the above basis.

## **Independence and quality control**

When carrying out the engagement, we complied with the Auditor-General's:

- independence and other ethical requirements, which incorporate the independence and ethical requirements of Professional and Ethical Standard 1 (Revised) issued by the New Zealand Auditing and Assurance Standards Board; and
- quality control requirements, which incorporate the quality control requirements of Professional and Ethical Standard 3 (Amended) issued by the New Zealand Auditing and Assurance Standards Board.

We also complied with the independent auditor requirements specified in the Determination.

The Auditor-General, and his employees, and Audit New Zealand and its employees may deal with the company and its subsidiaries on normal terms within the ordinary course of

trading activities of the company. Other than any dealings on normal terms within the ordinary course of business, this engagement, the information disclosure regulation reports and the annual audit of the company's financial statements, we have no relationship with or interests in the company and its subsidiaries.

## **Opinion**

In our opinion:

- as far as appears from an examination, the information used in the preparation of the Annual Compliance Statement has been properly extracted from the company's accounting and other records, and has been sourced, where appropriate, from its financial and non-financial systems; and
- the Annual Compliance Statement of company for the year ended on 31 March 2017, has been prepared, in all material respects, in accordance with the Determination.

In forming our opinion, we have obtained sufficient recorded evidence and all the information and explanations we have required.



Ian Lothian  
Audit New Zealand  
On behalf of the Auditor-General  
Christchurch, New Zealand  
1 June 2017