

## **Network Tasman Limited**

### **Annual Price Setting Compliance Statement**

Electricity Distribution Services Default Price-Quality Path Determination 2020

[2019] NZCC 21

Second Assessment Period; 01 April 2021 to 31 March 2022

Network Tasman Limited  
Annual Price-setting Compliance Statement 01 April 2021 – 31 March 2022

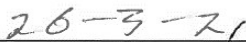
Electricity Distribution Services Default Price-Quality Path Determination 2020

Schedule 6

Certification for Annual Price Setting Compliance Statement

I, Michael John McCliskie, being a director of Network Tasman Limited certify that, having made all reasonable enquiry, to the best of my knowledge and belief, the attached annual price-setting compliance statement of Network Tasman Limited, and related information, prepared for the purposes of the *Electricity Distribution Services Default Price-Quality Path Determination 2020* has been prepared in accordance with all the relevant requirements, and all forecasts used in the calculations for forecast revenue from prices and forecast allowable revenue are reasonable.

  
\_\_\_\_\_  
Director

  
\_\_\_\_\_  
Date

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Note: Section 103(2) of the Commerce Act 1986 provides that no person shall attempt to deceive or knowingly mislead the Commission in relation to any matter before it. It is an offence to contravene section 103(2) and any person who does so is liable on summary conviction to a fine not exceeding \$100,000 in the case of an individual or \$300,000 in the case of a body corporate.

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## 1 Introduction

Network Tasman's electricity distribution business is subject to regulation under the Commerce Act 1986 (the Act). Pursuant to the requirements of the Act, Network Tasman must comply with the Electricity Distribution Services Default Price-Quality Path Determination 2020 (the Determination) which comes into force on 01 April 2020. Before the start of each assessment period in the regulatory period 1 April 2020 to 31 March 2025, Network Tasman is required provide an 'Annual price-setting compliance statement' as per section 11 of the Determination.

The Annual price setting compliance statement must:

- state whether or not Network Tasman has complied with clause 8.4 of the Determination for the second to fifth assessment periods
- state the date on which the statement was prepared
- include director certification

The statement must include:

- Network Tasman's calculation of forecast revenue from prices with supporting information for all components of the calculation;
- Network Tasman's calculation of forecast allowable revenue with supporting information for all components of the calculation;
- if Network Tasman has not complied with the price path, the reasons for the non-compliance; and any actions taken to mitigate any non-compliance and to and to prevent similar non-compliance in future assessment periods.

As required, this Statement confirms that in respect of the second assessment period of the DPP regulatory period, Network Tasman has complied with clause 8.4 of the determination for the assessment period 01 April 2021 to 31 March 2022

## 2 Compliance With the Price Path

### 2.1 Summary

Clause 8.4 of the Determination states that:

In respect of the second assessment period of the DPP regulatory period, to comply with the price path for an assessment period of the DPP regulatory period, a non-exempt EDB's forecast revenue from prices for that assessment period of the DPP regulatory period must not exceed the lesser of:

(a) the forecast allowable revenue for Assessment period two:	<b>43,290</b>
(b) the amount determined as: the forecast revenue from prices for the previous assessment period x (1 + limit on annual percentage increase in forecast revenue from prices).	
Forecast revenue from prices, Assessment One	38,147
Limit on annual percentage increase in forecast revenue from prices	10%
	<b>41,962</b>

Network Tasman has complied with the price path requirement 8.4 of second assessment period of the Determination as demonstrated below in Table 1.

Table 1. Demonstrating compliance with price path requirement 8.4.

lesser of 8.4(a) and 8.4(b)	Forecast Revenue from prices (\$000)	Compliance test result
41,962	39,246	<b>Compliant</b> Forecast revenue from prices ≤ forecast allowable revenue

Following is more detail in support of this forecast.

### 2.2 Calculating forecast allowable revenue

The 2021-22 year is Network Tasman's second assessment under DPP3. The forecast allowable revenue is calculated as per Schedule 1.5 of the Determination:

**forecast allowable revenue** = forecast net allowable revenue  
+ forecast pass-through and recoverable costs  
+ opening wash-up account balance.  
+ pass-through balance allowance

Table 2. Calculation of forecast allowable revenue 2021-22

Calculation Component	Amount \$
forecast net allowable revenue	26,968,000
forecast pass-through and recoverable costs	16,315,909
opening wash-up account balance	0
pass-through balance allowance	5,786
<b>forecast allowable revenue</b>	<b>43,289,695</b>

The four components of forecast allowable revenue are described in more detail below;

#### Forecast net allowable revenue

The forecast net allowable revenue for the second assessment as per Schedule 1.4 of the Determination is \$26,968,000

#### Forecast pass-through and recoverable costs

The forecast pass-through and recoverable costs for the second assessment as per the Determination is \$16,315,909

This is Network Tasman's forecast of pass-through costs and recoverable costs for the year. More details are provided below in section 2.4.

#### opening wash-up account balance.

The opening wash-up account balance for the second assessment as per Schedule 1.7 of the Determination is \$00

#### pass-through balance allowance

Network Tasman's estimate of pass-through balance allowance for the second assessment as per the Determination is \$5,786

67th percentile estimate of post-tax WACC 0.0423

### 2.3 Calculating forecast revenue from prices.

The forecast revenue is the sum of each price multiplied by its respective forecast quantity. For small and medium consumers (Mass-market), Network Tasman's charges are calculated from a mix of fixed and variable (per kWh) prices based on respective quantities. For larger (150 kVA +), revenue is based on kWh and demand based prices. There is a small number large connections, embedded networks and generators whose charges are calculated individually based on special characteristics, pass-through costs and specific assets.

For Groups 0, 1, 2 & 3 the quantities are based on historical volumes reported by retailers. See Attachment A for further details.

Additional "average ICPs" are added for growth to the dataset to assess the final YE March 2022 volumes.

To determine the growth ICPs/quantities, historical trends, subdivision growth and management estimates are used

The kWh growth in particular can vary considerably each year due to seasonal effects, such as variance in

winter temperatures for residential space heating or dryness of summers affecting irrigation.

For Groups 1, 2 & 3, kWh quantities is still the major factor (about 57%) used in deriving network revenue.

The forecast revenue is consistent with the line business accounting budget for the 2021-22 year

See Attachment A for more detail on volume, ICP and demand growth forecasts.

See Attachment B for more detail on the revenue from prices calculation (price x quantity)

All quantity forecasts were finalised in December 2020

Table 4 Summary of Revenue from Prices

Major Price Group	Revenue from prices
New Connections/Sundry	460,000
Groups 0, 1, 2 & 3	33,153,008
Group 6	2,110,191
Generators	1,635,251
Embedded Network	1,887,976
<b>Total forecast revenue</b>	<b>39,246,427</b>

Note: Connection revenue consists of network connection application fees, solar PV connection fees and network development levies

## 2.4 Forecast pass-through and recoverable costs

Schedule 1.5 (3) of the Determination requires that all Pass-through and Recoverable costs are demonstrably reasonable. Tables 5 & 6 show detail of these costs, and more detail on how these costs are forecast is below.

Table 5

Forecast pass-through costs	Amount \$000
EA Levies	149,000
Commerce Commission Levies	76,000
UDL Levies	25,000
Utility Rates	171,000
<b>Total pass-through costs</b>	<b>421,000</b>

Table 6

Forecast Recoverable costs	Amount \$000
IRIS incentive adjustment	1,107,327
TPNZ Connection charge	1,508,435
TPNZ Interconnection charge	10,308,628
Transpower NIA	1,243,987
Distributed Generator ACOT	1,782,760
Capex wash-up adjustment	(212,350)
FENZ Levy	44,000
Revenue wash-up draw down amount	0
Quality Incentive <sup>3</sup>	112,122
<b>Total Recoverable costs</b>	<b>15,894,909</b>

<b>Total Recoverable and Pass-through cost</b>	<b>16,315,909</b>
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Note 3. The SAIDI Quality Incentive Adjustment for YE March 2020 resulted in a SAIDI penalty cost of \$28,338. However this was offset as the SAIFI assessed value was less \$140,460, resulting in a total Quality Incentive Adjustment of \$112,122

### Forecasting methodology of pass-through and Recoverable costs

#### Forecast pass-through costs

Component	Forecasting methodology
EA Levies	Historical costs and current levy rates per NTL accounting budget
Commerce Commission Levies	Historical costs and current levy rates per NTL accounting budget
UDL Levies	Historical costs and current levy rates per NTL accounting budget
Utility Rates (TDC/NCC)	Historical costs

#### Forecast Recoverable costs

Component	Forecasting methodology
IRIS incentive adjustment	As per Commerce Commission IRIS calculation model
TPNZ Connection charge	As per Transpower's 2021-22 pricing schedule
TPNZ Interconnection charge	As per Transpower's 2021-22 pricing schedule
Transpower NIA	As notified by Transpower's pricing team
Distributed Generator ACOT	Based on demands and Transpower's 2021-22 interconnection rate
FENZ Levy	Historical costs and current levy rates per NTL accounting budget
Quality Incentive	As per DPP period 2 Assessment 5, adjusted for the time value of money
Capex wash-up adjustment	As per Commerce Commission capex wash-up model
Revenue wash-up draw down amount	Nil, as per paragraph 4 in Schedule 1.6 of DDP3 determination

### 3 Compliance with the Determination requirements and sections of this document that addresses them

**Table 4.1 Price Path Summary**

<b>Determination Clause</b>	<b>Requirement</b>	<b>Section of this Document</b>
8.4	In respect of the second assessment period of the DPP regulatory period, to comply with the price path for an assessment period of the DPP regulatory period, a non-exempt EDB's forecast revenue from prices for that assessment period must not exceed the forecast allowable revenue for that assessment period.	2.1

**Table 4.2 Annual price-setting compliance statement**

An annual price-setting compliance statement provided to the Commerce Commission must consist of:

<b>Determination Clause</b>	<b>Requirement</b>	<b>Section of this Document</b>
11.2 (a)	State whether or not in the second assessment period Network Tasman has complied with the price path in section 8.3.	1
11.2 (b)	State the date on which the statement was prepared	Coverpage
11.2 (c)	Include a certificate in the form set out in Schedule 6, signed by at least one director of Network Tasman	2
11.3 (a)	Include Network Tasman's calculation of its forecast revenue from prices together with supporting information for all components of the calculation	2.2 Attachment A Attachment B
11.3 (b)	Include Network Tasman's calculation of its forecast allowable revenue together with supporting information for all components of the calculation	2.3
11.3 (c)	If Network Tasman has not complied with the price path, state the reasons for the non-compliance.	n/a





**Attachment B Prices, Quantities and Revenue for Pricing year 01 April 2021 to 31 March 2022**

Category/Description	Unit of Measure	Code	Distribution Price	Transmission & Pass Through Price	Discount	Final Price	Billing Quantity	Total Revenue
<b>Unmetered Connections</b>								
Unmetered Streetlight	Watts	OSTL	0.00091	0.00028	0	0.00119	438,801	190,593
Low Capacity Connection	ICP	OUNM	0.4021	0.1309	0	0.533	73	14,202
Unmetered Streetlight Connection	ICP	OS	0	0	0	0	0	0
<b>Low-Use 15 kVA Residential (&lt;8,000 kWh pa)</b>								
Daily price	ICP	1RL	0.1185	0.0315	0	0.15	18,875	1,031,787
Uncontrolled	kWh	1RLANY	0.0768	0.0272	0.0306	0.0734	71,358,421	5,237,708
Day (of day/night)	kWh	1RLDAY	0.087	0.0278	0.0344	0.0804	1,245,347	100,126
Night	kWh	1RLNIT	0.0146	0.0085	0.0102	0.0129	1,700,511	21,937
Controlled water	kWh	1RLWSR	0.0221	0.0115	0.014	0.0196	27,313,656	535,348
Export	kWh	1RLGEN	0	0	0	0	1,390,841	0
<b>Standard 15kVA Residential (&gt;8,000 kWh pa)</b>								
Daily price	ICP	1RS	0.7888	0.2112	0	1	15,869	5,763,167
Uncontrolled	kWh	1RSANY	0.0377	0.0174	0.0306	0.0245	100,825,506	2,470,225
Day (of day/night)	kWh	1RSDAY	0.0434	0.0209	0.0342	0.0301	1,851,861	55,741
Night	kWh	1RSNIT	0.0097	0.006	0.0104	0.0053	2,501,772	13,259
Controlled water	kWh	1RSWSR	0.0132	0.0084	0.0141	0.0075	33,110,940	248,332
Export	kWh	1RSGEN	0	0	0	0	970,128	0
<b>Non-Residential 15 kVA connections</b>								
Daily price	ICP	1GL	0.7888	0.2112	0	1	3,689	1,320,067
Uncontrolled	kWh	1GLANY	0.0377	0.0174	0.0306	0.0245	17,821,267	436,621
Day (of day/night)	kWh	1GLDAY	0.0434	0.0209	0.0342	0.0301	597,546	17,986
Night	kWh	1GLNIT	0.0097	0.006	0.0104	0.0053	427,735	2,267
Controlled water	kWh	1GLWSR	0.0132	0.0084	0.0141	0.0075	1,479,304	11,095
Export	kWh	1GLGEN	0	0	0	0	57,195	0
<b>General (20-150 kVA), 2,716 connections.</b>								
Daily capacity price	ICP	2	0.0741	0.0199	0	0.094	126,644	4,316,388
Uncontrolled	kWh	2ANY	0.0493	0.0132	0.0284	0.0341	70,182,523	2,393,224
Day (of day/night)	kWh	2DAY	0.0564	0.0146	0.0319	0.0391	18,516,835	724,008
Night	kWh	2NIT	0.0198	0	0.0083	0.0115	8,273,067	95,140
Controlled water	kWh	2WSR	0.0275	0.0004	0.0124	0.0155	3,507,871	54,374
Export	kWh	2GEN	0	0	0	0	410,467	0
<b>Residential Low Fixed (20 and 30 kVA capacity)</b>								
Daily capacity price	ICP	2LLFC	0.1245	0.0255	0	0.15	56	3,066
Uncontrolled	kWh	2LANY	0.1359	0.0241	0.0284	0.1316	293,774	38,661
Day (of day/night)	kWh	2LDAY	0.157	0.0251	0.0323	0.1498	33,631	5,038
Night	kWh	2LNIT	0.0486	0.013	0.0109	0.0507	15,196	770
Controlled water	kWh	2LWSR	0.0537	0.0158	0.0123	0.0572	53,688	3,071
Export	kWh	2LGEN	0	0	0	0	24,819	0
<b>Residential Low Fixed (40 to 150 kVA capacity)</b>								
Daily capacity price	ICP	2HLFC	0.1245	0.0255	0	0.15	5	274
Uncontrolled	kWh	2HANY	0.2508	0.0352	0.024	0.262	18,907	4,954
Day (of day/night)	kWh	2HDAY	0.2737	0.0407	0.03	0.2844	0	0
Night	kWh	2HNIT	0.1318	0.022	0.011	0.1428	0	0
Controlled water	kWh	2HWSR	0.1636	0.0235	0.017	0.1701	9,683	1,647
Export	kWh	2HGEN	0	0	0	0	24,819	0
<b>High Load Factor (Up to 150 kVA)</b>								
Daily capacity price	kVA-day	HLF	0.4323	0.0677	0.0968	0.4032	3,208	472,176
Uncontrolled	kWh	HLFANY	0.0119	0.0035	0.0075	0.0079	4,499,861	35,549
Day (of day/night)	kWh	HLFDAY	0.0129	0.0039	0.0078	0.009	3,816,223	34,346
Night	kWh	HLFNIT	0.0037	0.0012	0.003	0.0019	1,592,076	3,025
Controlled water	kWh	HLFWSR	0.0054	0.0016	0.0053	0.0017	31,605	54
Export	kWh	HLFGEN	0.0000	0	0	0	11,559	0
<b>Category 3.1</b>								
Anytime Demand	kVA-day	AnyDem31	0.1104	0.0297	0.0125	0.1276	2,232	103,937
Summer Day kWh	kWh	SD31	0.0051	0	0.002	0.0031	4,230,436	13,114
Summer Night kWh	kWh	SN31	0.0026	0	0.0011	0.0015	1,729,410	2,594
Winter Day kWh	kWh	WD31	0.009	0	0.0034	0.009	2,866,237	16,051
Winter Night kWh	kWh	WN31	0.0026	0	0.0011	0.0015	1,226,544	1,840
Generation export	kWh	3.1GEN	0.0000	0	0	0	0	0
<b>Category 3.3</b>								
Anytime Demand	kVA-day	AnyDem33	0.1326	0.0297	0.0161	0.1462	2,505	133,654
Summer Day kWh	kWh	SD33	0.0152	0	0.0058	0.0094	4,337,900	40,776
Summer Night kWh	kWh	SN33	0.0081	0	0.003	0.0051	1,897,253	9,676
Winter Day kWh	kWh	WD33	0.039	0	0.0148	0.0242	2,399,157	58,006
Winter Night kWh	kWh	WN33	0.0081	0	0.003	0.0051	978,508	4,990
Generation export	kWh	3.3GEN	0.0000	0	0	0	1,706,042	0
<b>Category 3.4</b>								
Anytime Demand	kVA-day	AnyDem34	0.1415	0.0297	0.0172	0.154	47,438	2,666,469
Summer Day kWh	kWh	SD34	0.0152	0	0.0058	0.0094	49,280,919	463,241
Summer Night kWh	kWh	SN34	0.0081	0	0.003	0.0051	17,670,553	90,120
Winter Day kWh	kWh	WD34	0.039	0	0.0148	0.0242	38,973,506	943,159
Winter Night kWh	kWh	WN34	0.0081	0	0.003	0.0051	14,171,939	72,277
Generation export	kWh	3.4GEN	0.0000	0	0	0	3,167	0
<b>Category 3.5</b>								
Anytime Demand	kVA-day	AnyDem35	0.1326	0.0297	0.0161	0.1462	3,891	207,649
Summer Day kWh	kWh	SD35	0.0103	0	0.0039	0.0064	5,649,572	36,157
Summer Night kWh	kWh	SN35	0.0064	0	0.0025	0.0039	2,517,265	9,817
Winter Day kWh	kWh	WD35	0.0333	0	0.0127	0.0206	4,912,656	101,201
Winter Night kWh	kWh	WN35	0.0064	0	0.0025	0.0039	2,170,985	8,467
Generation export	kWh	3.5GEN	0.0000	0	0	0	0	0
RCPD Charge Categories 3.1 - 3.5	kW	WinDem	0.0363	0.2447	0	0.2810	24,417	2,504,330
Reactive Charge Categories 3.1 - 3.5	kVAr	kVAr	0.2899	0	0	0.2899	87	9,206
<b>Large or Special Connections</b>								
Generator 1	ICP	MAT	10.64	6.244752627	0	16.9	1	6,163
Generator 1	kWh	MATANY	0	0.0001458	0	0.0001458	12,000	1,750
Generator 1	kWh	MATGEN	0	0.0001458	0	0.0001458	14,280,000	2,082
Generator 2	ICP	CB	3863.64	575.2987879	0	4,439	1	1,620,213
Generator 2	kWh	CBGEN	0	0	0	0	0	0
Large Connection 1	ICP	6.1	630.49	3846.180571	74	4,403	1	1,606,975
Large Connection 1	kWh	6.1ANY	0	0.0001458	0	0.0001458	92,788,743	13,529
Large Connection 2	ICP	6.2	675.73	770.6113212	110	1,336	1	487,765
Large Connection 2	kWh	6.2ANY	0	0.0001458	0	0.0001458	13,190,639	1,923
Embedded Network	ICP	NEL	0	5135.603454	0	5,136	1	1,874,495
Embedded Network	kWh	NELANY	0	0.0001458	0	0.0001458	92,463,024	13,481
Generator 3 Ntw Charge	ICP		684			684	1	684
Generator 4 Ntw Charge	ICP		5748			5,748	1	5,748
Generator 5 Ntw Charge	ICP		360			360	1	360
<b>Network Applications Fee</b>								
NCA Admin G0	per application		125	0	0	125	8	1,000
NCA Admin G1	per application		250	0	0	250	780	194,950
NCA Admin G2	per application		325	0	0	325	90	29,250
NCA Admin G3	per application		400	0	0	400	12	4,800
<b>Solar Connections Fee</b>								
SSDG < 10kW	per application		0	0	0	0	0	0
Part 1	per application		200	0	0	200	141	28,200
Part 1a	per application		100	0	0	100	0	300
SSDG > 10kW and < 100	per application		500	0	0	500	3	1,500
SSDG > 100 and < 1000	per application		1000	0	0	1000	0	0
SSDG > 1000	per application		5000	0	0	5000	0	0
<b>Network Development Levy</b>								
NDL - Group 1 uncapped	kVA*km		7.44	0	0	7.44	7,078	52,678
NDL - Group 1 Capped	per application		3,250	0	0	3,250	0	0
NDL - Group 2	kVA*km		18.32	0	0	18.318	6,739	123,444
NDL - Subdivision	per application		2,170.75	0	0	2,170.75	11	23,878
<b>Network Tasman Forecast Revenue from Prices 2021-22</b>								<b>39,246,427</b>

Note1: The final values in the revenue column is the amount in our financial forecast/budget. Multiplying the quantities by the prices does not exactly equate with the given quantities for some fixed charges due to rounding. The number of days is less than 365 for the mass-market billed ICPs