HORIZON ENERGY DISTRIBUTION LIMITED

Default Price-Quality Path

Annual Price Setting Compliance Statement

1 April 2023 – 31 March 2024 Assessment Period

27 January 2023

Table of Contents

1.	Introduction	3
	Date prepared	
	Statement of compliance	
	Director's certification	
	Forecast allowable revenue	
_	Forecast revenue from prices	
	Maximum allowable forecast revenue from prices	
-	pendix A – Pass-through and recoverable costs	_
	pendix B – Forecast prices and quantities	
	pendix C – Director's certificate	

1. Introduction

Horizon Energy Distribution Limited ("Horizon Networks") is subject to price-quality regulation under Part 4 of the Commerce Act 1986. The Commerce Commission has set a Default Price-Quality Path (DPP) which applies to Horizon Networks from 1 April 2020.

This price-setting compliance statement is published in accordance with clause 11.1 of the 2020 DPP Determination, and applies to the fourth assessment period, commencing 1 April 2023 and ending 31 March 2024.

2. Date prepared

This statement was prepared on 27 January 2023.

3. Statement of compliance

As demonstrated in Table 1 below, and consistent with clause 8.3 of the 2020 DPP Determination Horizon Networks has complied with the price path for the fourth assessment period.

Table 1

Table 1							
Compliance with price path RY24							
Forecast revenue from prices must not (a) the forecast allowable revenue for (b) the amount determined in accordant the forecast revenue from prices for increase in forecast revenue from pri	that assessment period; and ance with the following formula: the previous assessment period x (1 + limit on a	annual percentage					
Term	Description	Value (\$000)					
Forecast revenue from prices (\$000)	Forecast prices between 1 April 2023 and 31 March 2024 multiplied by forecast quantities for the period ending 31 March 2024	35,814					
Forecast allowable revenue (\$000)	The sum of forecast net allowable revenue, forecast pass-through and recoverable costs, opening wash-up account balance and the pass-through balance allowance	35,814					
Maximum allowable forecast revenue from prices (\$000)	Forecast revenue from prices for the previous assessment period x (1 + limit on annual percentage increase in forecast revenue from prices)	36,165					
Maximum allowable forecast revenue (\$000)	The lessor of the forecast allowable revenue and maximum allowable forecast revenue from prices	35,814					
Forecast revenue from prices ≤ forecast allowable revenue and maximum allowable forecast revenue from prices Compliant							

Further information supporting forecast allowable revenue is included in Section 5 and Appendix A.

Further information supporting forecast revenue from prices is included in Section 6 and Appendix B.

Further information supporting maximum allowable forecast revenue is included in Section 7.

4. Director's certification

A Director's certificate in the form set out in Schedule 6 of the 2020 DPP Determination is included as Appendix C.

5. Forecast allowable revenue

Table 2 shows the derivation of forecast allowable revenue, consistent with the requirements of Schedule 1.5 of the 2020 DPP Determination.

Table 2

Forecast allowable revenue RY24						
Term	Description	Value (\$000)				
Forecast net allowable revenue	Forecast net allowable revenue as set out in Table 1.4.1 in Schedule 1.4 for the period ending 31 March	25,370				
Forecast pass through costs	Forecast pass-through costs and forecast recoverable costs	486				
Forecast recoverable costs	Forecast recoverable costs, excluding any recoverable cost that is a revenue wash-up drawn down amount	9,855				
Wash-up account balance	The opening wash-up account balance for the fourth assessment period of the DPP regulatory period as set out in Schedule 1.7 (1)(b)	103				
Total		35,814				

Appendix A shows the components of the forecast pass-through and recoverable costs, and the pass-through balance allowance.

The methodology to derive the forecasts of the pass-through and recoverable costs is documented in Appendix A.

6. Forecast revenue from prices

Table 3 shows forecast revenue from prices.

Table 3

Forecast revenue from prices RY24								
Term	Description	Value (\$000)						
ΣP _{2023/24} *Q _{2023/24}	Forecast prices between 1 April 2023 and 31 March 2024 multiplied by forecast quantities for the period ending 31 March 2024	35,814						

Appendix B shows the components of forecast revenue from prices.

The methodology to forecast the quantities associated with each price is documented in Appendix B.

7. Maximum allowable forecast revenue from prices

Table 4 shows the maximum allowable forecast revenue from prices, consistent with the requirements of clause 8.4 of the 2020 DPP Determination.

Table 4

Maximum allowable forecast revenue from prices RY24						
Term	Description	Value (\$000)				
Forecast revenue from prices from previous assessment period	Forecast prices between 1 April 2022 and 31 March 2023 multiplied by forecast quantities for the period ending 31 March 2023	32,877				
Limit on annual percentage increase in forecast revenue from prices		10%				
Maximum allowable forecast revenue from prices	Forecast revenue from prices for the previous assessment period x (1 + limit on annual percentage increase in forecast revenue from prices)	36,165				

Table 5

Wash-up balance RY24						
Term Description						
Wash-up amount from previous assessment period	Wash-up amount for the assessment period ending 31 March 2022	95				
67th percentile estimate of post-tax WACC		4.23%				
Wash-up balance	Wash-up amount x (1 + 67th percentile post-tax WACC) ²	103				

Correction to wash-up amount for the assessment period ending 31 March 2022

The wash-up amount for the assessment period ending 31 March 2022 differs from what was published in the annual compliance statement due to an error in the wash-up calculation. As a result, the wash-up amount for the assessment period ending 31 March 2022 has reduced from \$561,000 to \$95,000 and is correctly reflected in Table 5.

Appendix A – Pass-through and recoverable costs

Forecast pass-through costs

Table 6

140.0							
Forecast Pass-through Costs RY24							
Forecast pass-through costs	\$000	Forecasting methodology					
Rates on system fixed assets	289	Prior years rates + 2% average increase					
Commerce Act levies	65	Prior year levies + 4.5% increase estimated					
Electricity Authority levies	116	Prior year levies + 1.5% increase estimated					
Utilities Disputes levies 16 Prior year levies + 2% increase estimated							
otal forecast pass-through costs 486							

Forecasting for rates are based on historical costs plus expected CPI or growth adjustments.

Forecast recoverable costs

Table 7

Forecast Recoverable Costs RY24						
Forecast recoverable costs	\$000	Forecasting methodology				
IRIS incentive adjustment	1,684	As calculated IRIS for DPP3 Year 4				
Transpower transmission charges	7,250	FY2023/24 new prices from Transpower Dec 2022				
New investment contract charges	-					
System operator services charges	-					
Avoided transmission charges - purchased assets	708	FY2023/24 new prices from Transpower Dec 2022				
Distributed generation allowance	-					
Claw-back	-					
Catastrophic event allowance	-					
Extended reserves allowance	-					
Quality incentive adjustment	69	Incentive allowance from 31 March 2022				
Capex wash-up adjustment	96	Capex wash-up adjustment calculated from forecast value of commissioned assets against actual value of commissioned assets				
Transmission asset wash-up						
adjustment	-					
Reconsideration event allowance	-					
Quality standard variation engineers						
fee	-					
Urgent project allowance	-					
Revenue wash-up draw down amount	-					
Fire and emergency NZ levies	47	Prior year levies + CPI increase estimated				
Innovation project allowance	-					
Total forecast recoverable costs	9,855					

Appendix B – Forecast prices and quantities

Table 8 shows the forecast prices and quantities for the forecast revenue from prices for the fourth assessment period.

Table 8

Forecast revenue from prices RY24							
Price Category	Unit	Unit price	Forecast quantity	Forecast revenue (\$000)			
Low User Domestic - Urban	\$/kWh	0.08863	41,780,229	3,703			
Low User Domestic - Urban	\$/ICP/day	0.45000	8,158	1,344			
Low User Domestic - Urban - TOU	\$/ICP/day	0.45000	82	14			
LUDU - TOU - Off-Peak LUDU - TOU - Shoulder	\$/kWh \$/kWh	0.06440	112,680				
LUDU - TOU - Shoulder LUDU - TOU - Peak	\$/kWh	0.06440 0.11979	125,341 184,002	22			
Low User Domestic - Rural	\$/kWh	0.08863	21,748,203	1,928			
Low User Domestic - Rural	\$/ICP/day	0.45000	3.856	635			
Low User Domestic - Rural - TOU	\$/ICP/day	0.45000	39	6			
LUDR - TOU - Off-Peak	\$/kWh	0.06440	58,654	4			
LUDR - TOU - Shoulder	\$/kWh	0.06440	65,245	4			
LUDR - TOU - Peak	\$/kWh	0.11979	95,780	11			
Standard User Domestic - Urban Standard User Domestic - Urban	\$/kWh \$/ICP/day	0.02832	40,867,545	1,157			
Std User Domestic User - Urban -TOU	\$/ICP/day	1.76839 1.26848	5,166 52	3,344			
NDU - TOU - Off-Peak	\$/kWh	0.03183	110,219	4			
NDU - TOU - Shoulder	\$/kWh	0.03183	122,603	4			
NDU - TOU - Peak	\$/kWh	0.07607	179,982	14			
Standard User Domestic - Rural	\$/kWh	0.02832	38,730,510	1,097			
Standard User Domestic - Rural	\$/ICP/day	1.76839	4,713	3,050			
Std User Domestic User - Rural -TOU	\$/ICP/day	1.26848	48	22			
NDR - TOU - Off-Peak	\$/kWh	0.03183	104,455	3			
NDR - TOU - Shoulder NDR - TOU - Peak	\$/kWh \$/kWh	0.03183 0.07607	116,192 170,571	13			
Under Verandah Lights	\$/kvvn \$/dav	0.07607	170,571	5			
Electric Fences	\$/day	0.86826	5	2			
Lanark	\$/month	-8.64	1	(0)			
Street Lights	\$/light/month	5.84023	5,120	359			
Telecom - PCM 24 Hour	\$/PCM/day	2.18246	55	44			
Telecom - PCM Night	\$/PCM/month	28.71717	3	1			
Capacity Group 2 - Urban	\$/kWh	0.04177	13,236,593	553			
Capacity Group 2 - Urban	\$/ICP/day \$/kWh	2.21928	832	676			
Capacity Group 2 - Rural Capacity Group 2 - Rural	\$/ICP/day	0.06843 3.67121	24,069,928 1,498	1,647 2,013			
Capacity Group 3 - Urban	\$/kWh	0.04726	10,430,282	493			
Capacity Group 3 - Urban	\$/ICP/day	6.16547	267	603			
Capacity Group 3 - Rural	\$/kWh	0.05353	17,643,347	944			
Capacity Group 3 - Rural	\$/ICP/day	9.85601	320	1,154			
Capacity Group 4 - Urban	\$/kWh	0.06420	1,958,212	126			
Capacity Group 4 - Urban	\$/ICP/day	13.39147	34	167			
Capacity Group 4 - Rural	\$/kWh	0.07256	1,822,995	132			
Capacity Group 4 - Rural Capacity Group 5 - Urban	\$/ICP/day \$/kWh	15.45452 0.04579	2,402,744	175 110			
Capacity Group 5 - Orban	\$/kVA/day	0.04579	3,871	165			
Capacity Group 5 - Rural	\$/kWh	0.09572	1,265,588	121			
Capacity Group 5 - Rural	\$/kVA/day	0.12960	3,831	182			
Network Maximum Demand - Urban - Variable	\$/kWh	0.02787	27,887,438	777			
Network Maximum Demand - Urban - Capacity	\$/kVA/day	0.07091	18,934	491			
Network Maximum Demand - Urban - Demand	\$/kW/day	0.19334	12,521	886			
Network Maximum Demand - Rural - Variable	\$/kWh	0.02787	30,123,924	840			
Network Maximum Demand - Rural - Capacity	\$/kVA/day	0.07091	32,983	856			
Network Maximum Demand - Rural - Demand Major Industrial Non-Standard Customers	\$/kW/day	0.19334	21,755	1,539			
Fonterra (BOPE)	\$/month	56,389	1	677			
Fonterra Lipid & Distillery	\$/month	7,475	1	90			
Asaleo Care (TP)	\$/month	58,942	1	707			
Whakatane Mill (TP)	\$/month	144,628	1	1,736			
Kaingaroa Timberlands (TP)	\$/month	23,313	1	280			
CHH - Kawerau (TP)	\$/month	32,280	1	387			
Norske Skog Oxidation Ponds (TP)	\$/month	9,941	1	119			
Sequal Investments	\$/month	15,976	1	192			
Kawerau Dairy Ltd Fonterra Assets	\$/month \$/month	10,173 1,250	<u>1</u> 1	122			
GDL Breaker Contract	\$/month	585	<u></u>	15 7			
BOPE TG1 & TG2	\$/month	-	1	-			
ΣP _{2023/24} *Q _{2023/24}				35,814			
2023/24 -2023/24				,•			

Forecast Quantities for the assessment period 31 March 2024

Horizon Networks considers the forecast quantities are reasonable.

	2020/2021	2021/2022	2022/2023	2023/2024
	Actual	Actual	Forecast	Forecast
Retail ICPs				
Low User	12,620	12,567	12,195	12,136
Standard Domestic	9,014	9,214	9,755	9,978
Capacity	3,047	3,034	3,023	3,024
Network maximum Demand	171	176	181	181
Special (UV, SL, EF, PG)	97	94	93	93
Total	24,949	25,085	25,247	25,412
	·			
			oY Change	
Low User		-0.4%	-3.0%	-0.5%
Standard Domestic		2.2%	5.9%	2.3%
Capacity		-0.4%	-0.4%	0.1%
Network maximum Demand		2.9%	2.8%	0.0%
Special (UV, SL, EF, PG)		-3.1%	-1.1%	0.0%
Total		0.5%	0.6%	0.7%
Retail Consumption (Mwh)				
Low User	67,571	67,879	64,944	64,170
Standard Domestic	72,186	75,081	77,458	80,402
Capacity	69,247	71,601	71,973	72,830
Network maximum Demand	51,757	56,200	56,690	58,011
Special (UV, SL, EF, PG)	2,253	2,297	2,297	2,326
Total	263,015	273,058	273,361	277,740
	Г			
			oY Change	4.007
Low User		0.5%	-4.3%	-1.2%
Standard Domestic		4.0%	3.2%	3.8%
Capacity	-	3.4%	0.5%	1.2%
Network maximum Demand		8.6%	0.9%	2.3%
Special (UV, SL, EF, PG)		2.0%	-0.0%	1.3%
Total		3.8%	0.1%	1.6%

Price Schedule for the assessment period ending 31 March 2024

Price Category Code (2)	Price Category	Forecast Number of Installation Control Points (ICPs) as at 1 April 2023	Price Component Code ⁽²⁾	Description	Units	Delivery Price (1) from 1 April 2023	Distribution Price	Pass Through Price
DOMESTIC								
			HET001	Daily Fixed Charge	\$ / ICP / day	0.45000	0.10020	0.34980
LUDU	Low User Domestic - Urban	8,198	HET012	Consumption Charge	\$ / kWh	0.08863	0.08863	
			HET152 LUDU-TOU-FX	Export Charge	\$ / kWh \$ / ICP / day	0.45000	0.10020	0.34980
			LUDU-TOU-OP	DailyFixed charge Time of Use Charge - off-peak	\$ / ICP / day \$ / kWh	0.45000	0.10020	0.34980
LUDILITOU	Low User Domestic - Urban - Time of Use	83	LUDU-TOU-SH	Time of Use Charge - shoulder	S / kWh	0.06440	0.06440	
2000-100	LOW OSCI DONESSIO - CIDAN - TINC OF OSC	05	LUDU-TOU-PK	Time of Use Charge - peak	\$ / kWh	0.11979	0.11979	
			LUDU-TOU-DG	Export Charge	\$ / kWh			
			HET003	Daily Fixed Charge	\$ / ICP / day	0.45000	0.10020	0.34980
LUDR	Low User Domestic - Rural	3,875	HET013	Consumption Charge	\$ / kWh	0.08863	0.08863	
			HET153	Export Charge	\$ / kWh			
			LUDR-TOU-FX	DailyFixed charge	\$ / ICP / day	0.45000	0.10020	0.34980
			LUDR-TOU-OP	Time of Use Charge - off-peak	\$ / kWh	0.06440	0.06440	
LUDR-TOU	Low User Domestic - Rural - Time of Use	39	LUDR-TOU-SH	Time of Use Charge - shoulder	\$ / kWh	0.06440	0.06440	
			LUDR-TOU-PK	Time of Use Charge - peak	\$ / kWh	0.11979	0.11979	
			LUDR-TOU-DG	Export Charge	\$ / kWh			
STANDARD								
			HET034	Daily Fixed Charge	\$ / ICP / day	1.76839	1.23534	0.53305
NDU	Standard User - Urban	5,052	HET054	Consumption Charge	\$ / kWh	0.02832	0.02832	
			HET154	Export Charge	\$ / kWh			
			NDU-TOU-FX	DailyFixed charge	\$ / ICP / day	1.26848	0.73543	0.53305
			NDU-TOU-OP	Time of Use Charge - off-peak	\$ / kWh	0.03183	0.03183	
NDU-TOU	Standard User - Urban - Time of Use	51	NDU-TOU-SH	Time of Use Charge - shoulder	\$ / kWh	0.03183	0.03183	
			NDU-TOU-PK	Time of Use Charge - peak	\$ / kWh	0.07607	0.07607	
			NDU-TOU-DG	Export Charge	\$ / kWh			
			HET035	Daily Fixed Charge	\$ / ICP / day	1.76839	1.23534	0.53305
NDR	Standard User - Rural	4,605	HET055	Consumption Charge	\$ / kWh	0.02832	0.02832	
			HET155	Export Charge	\$ / kWh			
			NDR-TOU-FX	DailyFixed charge	\$ / ICP / day	1.26848	0.73543	0.53305
			NDR-TOU-OP	Time of Use Charge - off-peak	\$ / kWh	0.03183	0.03183	
NDR-TOU	Standard User - Rural - Time of Use	47	NDR-TOU-SH	Time of Use Charge - shoulder	\$ / kWh	0.03183	0.03183	
			NDR-TOU-PK	Time of Use Charge - peak	\$ / kWh	0.07607	0.07607	
			NDR-TOU-DG	Export Charge	\$ / kWh			
GENERAL -								
UV	Under Veranda Lights (not available for new connections)	15	HET009	Daily Fixed Charge	\$ / UV / day	0.93554	0.90221	0.03333
EF	Electric Fence (not available for new connections)	5	HET006	Daily Fixed Charge	\$/ EF / day	0.86826	0.83483	0.03343
SL	Street Lights	15	HET008	Consumption Charge	\$ / kwh			
	-		HET131	Monthly Fixed Charge	\$ / light / month	5.84023	5.33814	0.50209
PCM 24	PCM 24 Hour	55	PCM24-FX	Daily Fixed Charge	\$ / fixture / day	2.18246	1.85271	0.32975
	PCM Night Only		HET117	Consumption Charge	\$ / kwh			
PCMN	(not available for new connections)	3	HET116	Monthly Fixed Charge	\$ / fixture / month	28.71717	25.11539	3.60178
GENERAL -	CAPACITY GROUPS			<u> </u>				
			HET017	Daily Fixed Charge	\$ / ICP / day	2.21928	0.95938	1.25990
N2U	Capacity Group 2 (15-42 kVA) - Urban	795	HET041	Consumption Charge	\$ / kWh	0.04177	0.04177	
			HET141	Export Charge	\$ / kWh			
			HET023	Daily Fixed Charge	\$ / ICP / day	3.67121	2.37798	1.29323
N2R	Capacity Group 2 (15-42 kVA) - Rural	1,534	HET046	Consumption Charge	\$ / kWh	0.06843	0.06843	
			HET146	Export Charge	\$ / kWh			
			HET018	Daily Fixed Charge	\$ / ICP / day	6.16547	2.61823	3.54724
N3U	Capacity Group 3 (43-70 kVA) - Urban	267	HET042	Consumption Charge	\$ / kWh	0.04726	0.04726	
			HET142	Export Charge	\$ / kWh			
NC-		0	HET024	Daily Fixed Charge	\$ / ICP / day	9.85601	6.21435	3.64166
N3R	Capacity Group 3 (43-70 kVA) - Rural	320	HET047	Consumption Charge	\$ / kWh	0.05353	0.05353	
			HET147	Export Charge	\$ / kWh	,		
N4U	Capacity Group 4 (71-100 kVA) - Urban (not available for new connections)	34	HET019 HET043	Daily Fixed Charge	\$ / ICP / day \$ / kWh	13.39147	7.14101 0.06420	6.25046
			HET043	Consumption Charge Daily Fixed Charge	\$ / kWh \$ / ICP / day	0.06420 15.45452	9.03743	6.41709
N4R	Capacity Group 4 (71-100 kVA) - Rural (not available for new connections)	31	HET025 HET048		\$ / ICP / day \$ / kWh	15.45452 0.07256	9.03743 0.07256	6.41709
	<u>'</u>		HET048 HET020	Consumption Charge		0.07256	0.07256	0.05325
N5U	Capacity Group 5 (>100 kVA) - Urban (not available for new connections)	22	HE1020	Daily Capacity Charge Consumption Charge	\$ / kVA / day \$ / kWh	0.11647	0.06322	0.05325
			HE1044 HET026	Consumption Charge Daily Capacity Charge	\$ / kWh \$ / kVA / day	0.04579	0.04579	0.05022
N5R	Capacity Group 5 (>100 kVA) - Rural (not available for new connections)	20	HET049	Consumption Charge	S / kWh	0.12900	0.09572	0.03022
MEDIUM TO	LARGE CONSUMERS					0.00072	0.00072	
			NMDU-KVA	Daily Capacity Charge	\$ / kVA / day	0.07091	0.04667	0.02424
			NMDU-KW	Daily Demand Charge	\$ / KVA / day	0.19334	0.12724	0.08610
NMDU	Network Maximum Demand - Urban	65	NMDU-KWH	Consumption Charge	\$ / kW / day \$ / kWh	0.19334	0.12724	0.00610
			NMDU-RWH NMDU-DG	Export Charge	\$ / kWh	0.02787	0.02787	
			NMDR-KVA	Daily Capacity Charge	\$ / kVA / day	0.07091	0.04667	0.02424
			NMDR-KW	Daily Demand Charge	\$ / kW / day	0.19334	0.12724	0.02424
NMDR	Network Maximum Demand - Rural	116	NMDR-KWH	Daily Demand Charge Consumption Charge	\$ / kW / day \$ / kWh	0.19334	0.12724	0.06610
			NMDR-KWH NMDR-DG	Export Charge	\$ / kWh \$ / kWh	0.02787	0.02/8/	
LARGE CON	NSUMERS		- INDIVIDO					
	Individually priced consumers (4)	na		Various	Various	na		n.a.
GENERAL N		ıLB	<u> </u>	THE NAME OF THE PARTY OF THE PA	+ di luus	na	n.a	n.a.
	tude GST. Full details on our prices, are included in our Pric	ing Methodology avai	lable from our web site	ww.horizonnetworks.nz. The delivery price is the total cov	aring distribution, transmis	sion and other "pass thro	sugh" costs. For a break	rwn of these

Appendix C – Director's certificate

We, Anthony de Farias and Linda Robertson being directors of Horizon Energy Distribution Limited certify that, having made all reasonable enquiry, to the best of our knowledge and belief, the attached annual price-setting compliance statement of Horizon Energy Distribution 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 relevant requirements, and all forecasts used in the calculations for forecast revenue from prices and forecast allowable revenue are reasonable.

Anthony de Farias

Linda Robertson

27 January 2023