

Default Price-Quality Path

Annual Price Setting Compliance Statement

1 April 2023 – 31 March 2024 Assessment Period

31 March 2023

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1. Introduction

Top Energy Limited (Top Energy) 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 Top Energy 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 23 January 2023.

3. Statement of compliance

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

Table 1

	Compliance with price path RY24			
Forecast revenue from prices must not exc (a) the forecast allowable revenue for th (b) the amount determined in accordance the forecast revenue from prices for the increase in forecast revenue from prices,	Relevant Clause			
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	42,704	Schedule 1.3	
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	47,784	Schedule 1.5 & Clause 8.4	
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)	enue from prices for the previous nt period x (1 + limit on annual ncrease in forecast revenue from 46,366		
Maximum allowable forecast revenue (\$000)	The lessor of the forecast allowable revenue and maximum allowable forecast revenue from prices	46,366	DPP Clause 8.4	
Compliance result	Forecast revenue from prices ≤ forecast allowable revenue and maximum allowable forecast revenue from prices	Compliant	DPP Clause 8.4	

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.

Electricity Distribution Services Default Price-Quality Path Determination 2024 Revenue Path Inputs and Calculations for the Assessment Period ending 31 March 2024

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 2024	40,331						
Forecast pass through costs	Forecast pass-through costs	393						
Forecast recoverable costs	Forecast recoverable costs.	6,579						
Opening wash-up account balance	The opening wash-up account balance for the third assessment period of the DPP regulatory period is the closing wash-up account balance for the previous assessment period as set out in Schedule 1.7(1)(b)	482						
Pass-through balance allowance	(ePTB - pass-through balance) x (67th percentile estimate of post-tax WACC)^2	-						
Total		47,784						

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 _{2022/23} *Q _{2022/23}	Forecast prices between 1 April 2023 and 31 March 2024 multiplied by forecast quantities for the period ending 31 March 2024	42,704					

More information about forecast prices and quantities is included in Appendix B.

Top Energy's Forecast revenue from prices is equal to the total of each price multiplied by the forecast quantities for that price. Given prices have a fixed and variable component the revenue forecasts require forecasts of the number of connections and quantities (kWh). The Determination requires that these forecasts are demonstrably reasonable.

Top Energy has a posted discount which is specified on its pricing schedule. All prices used in the calculation of revenue from prices are net of the discount. This includes the fixed and variable (kWh) components of the Price Codes. The criteria and methodology of the discount is compliant with the Electricity Distribution Default Price-Quality (Definition of discount) Amendments Determination 2020 published on 30 March 2020.

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	42,151					
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)	46,366					

Appendix A – Pass-through and recoverable costs

Forecast pass-through costs

Electricity Distribution Services Default Price-Quality Path Determination 2024 Forecast Pass-through Costs

for the Assessment Period ending 31 March 2024

Table 5

Table 5					
Forecast Pass-through Costs RY24					
Forecast pass-through costs	- \$000	Forecasting methodology	Previous year forecast	Variance	Comment
Rates on system fixed assets	61	Actual 2022 plus CPI estimate	58	3	CPI Increases only
Commerce Act levies	212	Actual June Quarter 2023, forecast plus CPI	170	43	Increase in Levy.
Electricity Authority levies	0.7	2022 Actuals plus 6 months 2023 forecast plus CPI	99	(2)	
Utilities Disputes levies	23	Last 2 years average	23	(0)	
Total forecast pass-through costs	393		350	43	

Forecast recoverable costs

Electricity Distribution Services Default Price-Quality Path Determination 2024 Forecast Recoverable Costs for the Assessment Period ending 31 March 2024

Table 6					
Forecast Recoverable Costs RY24					
Forecast recoverable costs	-\$000	Forecasting methodology	Previous year forecast	Variance	Comment
IRIS OPEX incentive adjustment	1,762	Calculations are consistent with clause 3.1.3 of the IMs	366	1,396	
IRIS CAPEX incentive adjustment	(498)	Calculations are consistent with clause 3.1.3 of the IMs	(484)	(14)	
Transpower transmission charges	6,006	As notified by Transpower	1,683	4,323	As notified by Transpower under new TPM
New investment contract charges	•		-	-	
System operator services charges	•		-	-	
Avoided transmission charges - purchased assets	-		-	-	
Avoided transmission charges	-		2,393	(2,393)	ACOT no longer payable from 1 April 2023.
Claw-back	-		-	-	
Catastrophic event allowance	-		-	-	
Extended reserves allowance	-		-	-	
Quality incentive adjustment	(121)	Determined for the 2021/2022 regulatory year (adjusted for time value of money)	54	(175)	
Capex wash-up adjustment	(570)	Calculations are consistent with clause 3.1.3 (1)(p) of the IMs	(553)	(16)	
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			-	-	
Innovation project allowance	-		-	-	
Total forecast recoverable costs	6,579		3,458	3,121	

Appendix B – Forecast prices and quantities

Table 7 shows the forecast prices and quantities for the forecast revenue from prices for the second assessment period.

ΣP 1,7073* Q 1.			Distribution 4	Plateitu		Line Tariff 1.4.2023 to 31.3.2024 year	Forecast Pass-through Revenue (\$)	Forecast Pass- through Revenue (\$)	Forecast Distribut	tion Revenue	Forecast Other Revenue (\$)	Total Revenue (\$)				Total Revenue (\$) Forecast
Tariff or Fee		Description	Distribution Average Numbe of ICPs 31/03/24	or kw or kvarh for 31/03/24	Other Qty for 31/03/24	Fixed	Fixed	Variable	Fixed	Variable	Fixed		Forecast Distribution Discount (\$)	Forecast Distribution Discount (\$)	Total Discount (\$)	Total Revenue (\$) less
						Total						ΣΠ1, 2024 Ο 1 2024	Fixed	Variable		ΣΠ1, 2024 Θ 1 2024
ow User Non-TOU (LR)																
JRFP JRFD		LRFP Daily Passthrough Price LRFD Distribution Fixed Price	7,54	4		15.5600 29.4400	429,628		812,869			429,628 812,869	(362,548)	(362.548	429,628) 450,321
uc	UN24 IN18	LRF Uncontrolled LRF All inclusive		6,338,733 24,352,269				77,966 299,533		1,000,886 3,114,655		1,078,852 3,414,188		(184,205) (707,683)	(184,205 (707,883	894,647 2,706,508
FC	CN20	LRF All inclusive LRF Controlled 20		24,352,269 134,502				299,533 1,654		3,114,655 7,196		3,414,188		(707,683)	(707,683) 2,706,506 8,850
Low user TOU Uncontrolled																· · · · · · · · · · · · · · · · · · ·
LUFD Distribution Daily Price		LUF Daily price on HHR LUF Daily price on HHR	1,942			15.5600 29.4400	110,596		209,251			110,596 209,251	(93,328)	(93,328	110,596
.U1 .U2	UN24 UN24	LUF Peak LUF Shoulder		1,685,905 4,767,999				20,737 58,646		357,580 671,334		378,317 729,981		(47,746) (135,034)	(47,746 (135,034	594,947
.us	UN24	LUF Off peak		1,652,938				20,331		217,857		238,188		(46,813)	(46,813	191,376
Low user TOU controlled CFP		LCF Daily price on HHR				15.5600	433,045					433,045				433,045
.CFD Distribution Daily Price .C1	N18	LCF Peak	7,604	7,475,986		29.4400		91,955	819,334	1,265,684		819,334 1,357,639	(365,432)	(177,168)	(365,432 (177,168	1,180,471
.03	N18 N18	LCF Shoulder LCF Off peak		20,500,386 9,958,170				252,155 122,485		2,353,444 1,013,742		2,605,599 1,136,227		(485,823) (235,991)	(485,823 (235,991) 2,119,776
Standard User Non-TOU (SR)																
SRFP SRFD Distribution Fixed Price		SRFP Daily Passthrough Price	5,10			15.5600 134.4400	290,956		2,513,885			290,956 2,513,885	(608,365		(608.365	290,956 1,905,521
SUC	UN24	SRF Uncontrolled	5,19	7,392,093		134.4400		90,923	2,010,000	819,044		909,967	(690,303	(51,836)	(51,836	858,130
SA SFC	IN18 CN20	SRF All inclusive SRF Controlled 20		27,014,516 333,338				332,279 4,100		2,182,773 11,500		2,515,051 15,600		(189,437)	(189,437	2,325,615
Standard user TOU Uncontrolled																
SUFP SUFD Distribution Fixed Price		SUF Daily price on HHR	2,04	5		15.5600 134.4400	116,462		1,006,243			116,462 1,006,243	(243,513)	(243,513	116,462 762,731
SU1 5U2	UN24 UN24	SUF Peak SUF Shoulder		2,783,501 7,887,662				34,237 97,018	.,	453,154 786,400		487,391 883,418	Q-15/810	(18,272) (51,778)	(18,272 (51,778	489,119
5U3	UN24	SUF Off peak		4,040,685				49,700		334,569		384,269		(26,525)	(26,525	357,744
Standard user TOU Uncontrolled		SCF Daily price on HHR				15.5600	226,602					226,602				226,602
SCFP Distribution Fixed Price	N18	SCF Daily price on RHR	3,97	5,999,959		134.4400	- 20,992	73,799	1,957,869	796,795		2,26,602 1,957,869 870,594	(473,808)	(36,880)	(473,808 (36,880	226,602 1,484,061) 833,714
5C2 5C3	N18	SCF Shoulder		16,300,024				200,490		1,138,112		1,336,602		(100,190)	(100,190	1,236,412
	IN18	SCF Off peak		8,270,970				101,733		436,707		538,440		(50,839)	(50,839)	487,601
BTS TOU Uncontrolled (BTSU) BTSUFP		BTSUFP Passthrough Price				40.6700										-
BTSUFD BTSU1		BTSUFD Distribution Fixed Price BTSU Peak				149.3300			·							
BTSU2 BTSU3		BTSU Shoulder BTSU Off peak		<u>:</u>						:				·		<u> </u>
General User (GG)																
GGFP GGFD		GGFP Daily Passthrough Price GGFD Distribution Fixed Price	3,44			40.6700 149.3300	512,945		1,883,404			512,945 1,883,404	(410,340)		(410,340)	512,945) 1,473,064
3GUC	UN24	GGF Uncontrolled	3,44	39,370,349		149.3300		484,255	1,000,494	4,814,994		5,299,249	(410,340	(144,016)	(144,016	5,155,233
9GA 9GFC	IN18 CN20	GGF All inclusive GGF Controlled 20		5,117,926 2,358,692				62,950 29,012		472,385 99,773		535,335 128,785		(18,721)	(18,721)) 516,614 128,785
Seneral TOU Uncontrolled																
GUFP GUFD		GUFP Daily Passthrough Price GUFD Distribution Fixed Price	1,720			40.6700 149.3300	256,026		940,062			256,026 940,062	(204,813))	(204,813)	258,026 735,250
9U1 9U2	UN24 UN24	GUF Peak GUF Shoulder		4,740,318 14,645,941				58,306 180,145		829,082 1,653,527		887,387 1,833,672		(14,579) (45,043)	(14,579 (45,043) 872,809) 1,788,629
303	UN24	GUF Off peak		7,025,288				86,411		666,700		753,111		(21,606)	(21,606	731,505
General TOU controlled		GCFPF Daily Passthrough Price				40.6700	60,732					60.732				60,732
9CFD 9C1	N18	GCFDF Distribution Fixed Price GCF Peak	400	1,489,725		149.3300		18,324	222,992	215,861		222,992 234,185	(48,583	(3,405)	(48,583) 174,408) 230,780
9C2 9C3	N18 N18	GCF Shoulder GCF Off peak		4,546,531 2,393,680				55,922 29,442		376,907 155,350		432,830 184,792		(10,392) (5,471)	(10,392 (5,471	
General Advanced User (GA)														(0,11)		
SAFP		GAFPF Daily Passthrough Price				103.0000	16,964					16,964				16,964
GAFD 01		GAFDF Distribution Fixed Price G1 Peak	4	1,621,423		896.6200	-	19,944	147,673	202,029		147,673 221,973	(8,663	(16,340)	(8,663 (16,340) 139,010) 205,633
32 33		G2 Shoulder G3 Off peak		3,498,485 1,557,839				43,031 19,161		275,331 69,947		318,362 89,108				318,362 89,108
		Distributor Generation only (< 1 MW or for Network														
.DGF		Purposes)		4												·
.DGV1 .DGV2	LDG LDG	LDG Peak LDG Shoulder		2,891 5,782				- :								
DGV3	LDG	LDG Off Peak		2,891		-		-								
0G		Distributed Generation		7,041,669						70,417		70,417				70,417
Larger User (TOU)				1								·				İ .
TOUF TOUF		TOUF Daily Pass Through Daily Distribution Demand price	,	7		2,578.2900 152.7100	349,152		20,680			349,152 20,680	(7,123		- 7,123	349,152 13,557
TOUDVD TOULVFD		Daily Distribution Demand Price Daily Distribution LV Capacity price \$/day/ kVA				-			167,632			167,632				167,632
TOU1		Peak		3,591,824				11,135	- 107,002	260,407		271,542		(9,850)	- 9,850	261,692
rou2 rou3		Shoulder Off peak		6,459,059 3,159,520			-	20,023 9,795		274,510 17,061		294,533 26,856		(20,704)	- 20,704	273,829 26,856
TOUTX	-	TOU Off peak				2,578.2900	226,477					226,477				226,477
routx		Daily Distribution LV Capacity price \$/day/ kVA	2	4		152.7100	220,411		13,414			13,414	(4,620))	- 4,620	8,794
TOUTNO TOUTNOT		Daily Distribution Demand Price Daily Distribution LV Capacity price \$/day/ kVA							386,888			386,888				386,888
TOUTX1		Peak Shoulder		6,127,030 12,525,588				18,994 38,829		444,210 532,337		463,203 571,167		(17,406) (36,495)	- 17,408 - 36,495	445,798 534,672
TOUTX3		Off peak		6,965,366				21,593		37,613		59,206				59,206
		Daily Distribution Power factor Price kVar		1				-	-							
				1		3,161.3100	618,741	-	538,298			1,157,039	- 13,913		- 13,913	1,143,126
industrial 1000984310TEBBE				1		1,299.5000	139,450		336,167			475,617	- 6,957		- 6,957	468,660
Industrial 1000984310TEBBE 1000930130TE465				4			133,430		777,058			777,058	- 0,507		0,307	777,058
industrial 1000984310TEBBE		Ngawha Connection		1		2,123.1100										
Industrial 1000984310TEBBE 1000930130TE465 1000984000TE210	LDGS1	Ngawha Connection Distribution System Operator		1		2,123,1100										
industrial 0000904310TEBBE 0000904310TE465 0000904000TE210 DON DON Street Lights	LDGS1			1		2,123,1100										
industrial 1000964310TE89E 1000964310TE89E 100096400TE210 1000 100096400TE210 1000 1000 1000 1000 1000 1000 1000	LDGS1			1	3 170	- 40,0000	1,307	-	-	:	23,581	24,888				24,888
industrial DO00904310TEBBE D000904310TEBBE D00090400TE210 DD0N DD0N Street Lights	LDGS1			1	3 170 70 3 2,258	40.0000 15.0000 24.0000		-			23,581 3,843 284 313,216	24,888 3,843 284				

To calculate forecast revenue from prices requires a forecast of quantities for the assessment year. Given prices have a fixed and variable component the revenue forecasts require forecasts of the number of connections and quantities (kWh).

Forecasts are required for the next pricing year only (year ended March 2024) and therefore have been based on the level and trends of recent actual data. The total forecast quantities (kWh) by Price Code have then been adjusted to be in line with the longer-term trend for the network and for one-off events where appropriate e.g., Covid-19.

Actual data is based on the audited Information Disclosures for 1 April 2018 to 31 March 2022 and a forecast of the year ended March 2023. This timeframe has been chosen as it provides a representative view of consumption e.g., weather conditions. The forecast for the year ended 31 March 2023 is based on actuals to October 2022 and the reminder forecast.

The forecast of connections and quantities have been developed using a bottom-up approach by Price Code. The general methodology is below (unless stated in the exceptions):

- Connections are calculated by using the forecasted connections as of 31 March 2023 and applying an estimated growth rate using the average growth rate over the previous four years.
- O Volumes for Residential connections are calculated by determining the average volume (kWh) per connection over the previous four years then aggregating connections by their Price Code as of 30 September 2022. An average by Price Code by month is then calculated and then multiplying it by the relevant connection forecast by month and then aggregating it by Price Code. Commercial connections are based on the last two years which is more reflective of their current consumption. Residential and General Commercial volumes are then adjusted to reflect increases in distributed generation. An adjustment has also been made to allow for correct price category allocation.
- Each Price Code average usage (except Industrial and unmetered) is then adjusted to align the aggregate forecast with the longer-term trend for the network (last decade) if appropriate. This year no change was made.

Tables A-D show the data used in the calculation and the forecast for 2023/2024. This demonstrates that the connections and volume forecasts are consistent with actual historical growth rates and distribution generation unless stated.

There are examples where the above methodology is not appropriate to use as a forecast. The exceptions are in Table E with an explanation of the methodology used and why.

Table A: Connection Growth by customer group

	A	ctual Growth	ICP connecti	Fore	ecast		
Customer Group	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023E	2023/2024F	Commentary
Residential	1.3%	1.0%	0.8%	1.3%	1.5%	1.2%	Consistent with historical trends
Commercial	1.1%	2.0%	2.0%	1.8%	0.7%	1.2%	Consistent with trends over last 2 years
Industrial	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	Based on known connections
Unmetered	-6.2%	1.0%	6.8%	0.0%	2.3%	0.0%	Based on known connections
Overall	1.2%	1.2%	1.0%	1.4%	1.4%	1.2%	

Table B: Total Annualised Usage by customer group

Customer		Actual consu	mption(kWh)	Forecas	Commonton		
Group	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023E	2023/2024F	Commentary
Residential	152,527,236	149,475,744	154,810,578	158,070,335	157,446,021	156,889,635	Based on historical average
Commercial	124,764,398	125,819,695	118,827,749	124,752,401	127,622,313	127,206,148	Based on historical average
Industrial	51,851,723	48,412,301	42,993,253	46,345,753	45,764,219	46,054,986	Included for completeness as revenue is not based on consumption
Unmetered	948,167	926,012	908,465	921,256	887,896	988,576	
Overall	330,091,524	324,633,751	317,540,044	330,089,745	331,720,448	331,139,345	

Table C: Average usage by Customer Group

Customer	Acti	Actual Consumption per connection(kWh)			Forecast (kWh)		
Group	2018/2019	2019/2020	2020/2021	2021/2022	2022/2023E	2023/2024F	
Residential	5,727	5,549	5,696	5,756	5,655	5,559	
Commercial	23,679	23,505	21,763	22,425	22,662	22,382	
Industrial	17,283,908	16,137,434	14,331,084	15,448,584	15,254,740	15,351,662	
Unmetered	3,778	3,792	3,581	3,516	3,350	3,688	
Overall	10,266	9,977	9,653	9,916	9,832	9,689	

Table D: Exceptions to standard methodology for Commercial.

Price Code	Charge type	Forecast methodology
TOU	Connections	No growth in TOU connections is assumed. Increase in numbers is due to correct price allocation of some customers
IND	Fixed	Based on last 12 months consumption based on conversations with customers and known changes to production. No impact on revenue or prices

Other notes on forecasting kWh quantities

TOU pricing for Residential and General Commercial customers

On 1 April 2020 Top Energy modified the structure of prices for Residential and General Commercial customers with the introduction of TOU pricing. These changes and the underlying drivers have been outlined in our pricing methodology and published price schedules.

The forecasting approach is outlined table below:

Table E: Residential and General Commercial TOU methodology

Forecast	Commentary
Connections	As of 1 November 2022 17,144 customers (51%) had been migrated to TOU pricing. Top Energy will continue its process of all customers with communicating meters being transferred to TOU rates however retailers will still be able to have an exemption if they are unable to supply the TOU metering or TOU data. The split does not impact revenue as the daily charges for TOU and non-TOU.
	are the same.
Average Quantities	Quantities kWh for customers on TOU price codes or single rate price codes are based on the same methodology as outlined above.
	No adjustment has been made to average kWh quantities to reflect behavioural change due to the new price structure. TOU trial results were inconclusive due to low uptake and retailers are not required to pass through to customers the TOU prices we publish. This will be reassessed for the forecast next year.
Allocation between time periods	The allocation of usage between Peak, Shoulder and Off-peak is based on actual data. As above no adjustment has been made due to behaviour changes which is consistent with what has been experienced over the last year.
	The pricing has been set so single rate is approximately the same as an average customer on TOU rates, within constraints (e.g. Low Fixed Charge tariff regulation), based on the consumption by time period below.

The aggregate TOU s	plits by timebou	nd are below:	
	Peak	Shoulder	Off-peak
Residential – All Inclusive	20%	54%	27%
Residential – Uncontrolled	20%	55%	25%
Commercial	18%	55%	27%
<u>Weekday</u> Peak 0700-0930, 015 peak 2200-0700 <u>Weekend</u> Shoulder 0700-2200 a	·		0-2200 and Off-

Solar

Top Energy's network has the second highest uptake of solar in New Zealand. As at 30 November 2022, 4.7% of connections had an on grid solar connection with a total of 9.1MW installed.¹ Growth over the last year has been 32% in installed capacity. Given solar has a material impact on consumption an estimate has been included in the forecast for Residential and General Commercial. Larger scale installations will only be included once connections are known.

The methodology for forecasting solar is shown in Table F below.

Table F: Solar forecast methodology

Forecast	Commentary
KW installed	The forecast for solar is based kW install rather than connections with solar.
	Residential and Commercial growth is based on the growth rate for the year ended November 2022 adjusted for an increase in uptake (Electricity Authority https://www.emi.ea.govt.nz/).
Generation from kW installed	Generation (kW) is forecasted to be appropriately 1,315KWh per annum per
	KW installed for the Far North. This is consistent with the EECA website solar
	tool.
Reduction in on grid	Assumed Residential 45% consumed within the premise and 55% exported
consumption	to grid. Commercial is 55% consumed and 45% exported.

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¹ Electricity Authority https://www.emi.ea.govt.nz/ as at 30 November 2022

Appendix C - Director's certificate

full

I, David Alexander Sullivan, being director of Top Energy certify that, having made all reasonable enquiry, to the best of my/our knowledge and belief, the attached annual price-setting compliance statement of Top Energy, 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.

Date: 23 January 2023