

Default Price-Quality Path

Annual Compliance Statement

1 April 2022 – 31 March 2023 Assessment Period

29 August 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 annual compliance statement is published in accordance with clause 11.4 of the 2020 DPP Determination, and applies to the third assessment period, commencing 1 April 2022 and ending 31 March 2023.

This statement confirms that Top Energy:

- Complies with the requirement to calculate the wash-up amount for the assessment period (section 3)
- Does not comply with the quality standards for the assessment period (section 4); and
- Has not entered into any agreement with another EDB or Transpower for an amalgamation, merger, major transaction or non-reopener transaction in the assessment period (section 5)

A copy is available on Top Energy's website www.topenergy.co.nz

2. Date prepared

This statement was prepared on 29 August 2023.

3. Wash-up amount

3.1 Statement of compliance

As demonstrated in Table 1 in Section 3.2, and consistent with clause 8.6 of the 2020 DPP Determination, Top Energy has complied with the wash-up amount calculation for the third assessment period.

The wash-up amount for the 2023 assessment period will be included in the calculation of allowable revenue and price-setting for the 2025 assessment period, beginning 1 April 2024. The wash-up amount is included in the calculation of allowable revenue two years after the relevant revenue assessment period.

For presentation purposes the tables set out in this document are aggregates of the price and quantity information. While dollar balances are rounded to the nearest thousand dollars, the underlying compliance calculations apply to the whole number.

3.2 Wash-up amount calculation

Table 1

Wash-up amount RY23				
Term	Description	Value (\$000)		
Actual allowable revenue (AAR)	Sum of actual net allowable revenue, actual pass-through and recoverable costs, pass-through balance and revenue wash-up draw down amount	45,433		
Actual revenue (AR)	Sum of actual revenue from prices plus other regulated income	41,956		
Revenue foregone (RV)	Actual net allowable revenue x (revenue reduction percentage - 20%) when revenue reduction percentage is greater than 20%, otherwise nil	-		
Wash-up amount	AAR - AR - RV	3,477		

Further information supporting actual allowable revenue is included in Section 3.2.1.

Further information supporting actual revenue is included in Section 3.2.2.

Further information supporting revenue foregone is included in Section 3.3.3.

3.2.1 Actual allowable revenue

Table 2 below shows the actual allowable revenue for the assessment period consistent with Schedule 1.6 of the 2020 DPP Determination.

The actual allowable revenue is the actual net allowable revenue plus pass-through and recoverable costs, any wash-up draw down amount and pass-through balance (PTB), that Top Energy can earn in an assessment period.

Table 2

Actual allowable revenue RY23		
Term	Description	Value (\$000)
Actual net allowable revenue (ANAR)	Actual net allowable revenue as set out in in Schedule 1.6 (3) for the period ending 31 March 2023	42,870
Actual pass through costs	Actual pass-through costs and Actual recoverable costs	288
Actual recoverable costs	Actual recoverable costs, excluding any recoverable cost that is a revenue wash-up drawn down amount	3,458
Revenue wash-up draw down amount	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)	(1,183)
Pass-through balance allowance	(ePTB - Pass-through balance) x (1 + 67th percentile estimate of post-tax WACC)^ ²	-
Actual allowable revenue (AAR)	Actual net allowable revenue + actual pass- through costs and actual recoverable costs	45,433

Further information supporting actual pass-through costs, actual recoverable costs and the pass through balance is included in Appendix A.

3.2.2 Actual revenue

Table 3 below shows actual revenue for the assessment period consistent with clause 4.2 of the 2020 DPP Determination.

Appendix B contains the schedules of prices and quantities used to calculate actual revenue from prices. This schedule shows that Top Energy recovered \$195k lower revenue from prices, including prior period wash-ups, than the forecast revenue from prices.

Table 3

Actual revenue from prices RY23				
Term	Description	Value (\$000)		
Actual revenue from prices $(\Sigma P_{2022/23} * Q_{2022/23})$	Actual prices between 1 April 2022 and 31 March 2023 multiplied by actual quantities for the period ending 31 March 2023	42,123		
Prior period wash-ups	Prior year revisions that are receipted in the current year	164		
Gains and Losses	Gain or loss on disposed assets	(337)		
Other Income	Other regulated income as defined in the IM determination	6		
Total Actual revenue (AR)		41,956		

Further information supporting actual revenue from prices is included in Appendix B.

3.2.3 Revenue foregone

The revenue forgone component of the wash up calculation places a cap on the amount of revenue that can recovered through the wash-up mechanism if there is a reduction in revenue from prices relative to forecast of more than 20%.

Table 4 below shows the revenue foregone consistent with clause 4.2 of the 2020 DPP Determination. Revenue forgone is Nil as the variance to forecast is < 20 %.

Revenue Forgone RY23			
Term Description		Value (\$000)	
Actual net allowable revenue (ANAR)	Actual net allowable revenue as set out in in Schedule 1.6 (3) for the period ending 31 March 2023	42,870	
Revenue reduction percentage (RRP)	1 - (actual revenue from prices / forecast revenue from prices)	-0.32%	
Revenue foregone (RV)	Actual net allowable revenue x (RRP- 20%) when RRP is greater than 20%, otherwise nil	-	

4. Quality standards

4.1 Statement of compliance with planned interruptions quality standards

Top Energy is subject to a planned accumulated SAIDI limit and a planned accumulated SAIFI limit which are assessed for the DPP regulatory period as stated in clause 9.2 of the 2020 DPP Determination.

Table 5 and Table 6 below show the planned accumulated SAIDI and SAIFI limits for Top Energy for the DPP regulatory period and the planned SAIDI and SAIFI assessed values for the first, second and third assessment period.

Table 5

Planned interruptions quality standard - SAIDI		
Sum of planned SAIDI assessed values ≤ Planned accumulated SAIDI limit		
Planned accumulated SAIDI limit	1905.36	
Planned SAIDI assessed value for the first assessment period	99.21	
Planned SAIDI assessed value for the second assessment period	113.56	
Planned SAIDI assessed value for the third assessment period	97.23	
Compliance result	Compliant	

Table 6

	Planned interruptions quality standard - SAIFI			
Sum of planned SAIFI assessed values ≤ Planned accumulate SAIFI limit				
Planned accumulated SAIFI limit		7.7526		
	Planned SAIFI assessed value for the first assessment period	0.82		
	Planned SAIFI assessed value for the second assessment period	0.97		
	Planned SAIFI assessed value for the third assessment period	0.70		
Compliance result		Compliant		

Further information supporting planned SAIDI and SAIFI assessed values is included in Section 4.1.1.

4.1.1 Planned SAIDI and SAIFI assessed values

Table 7 and Table 8 below show Top Energy's planned SAIDI and SAIFI assessed values for the assessment period.

Table 7

Planned SAIDI assessed value RY23		
Term	Description	Value
Class B non-notified interruptions		51.80
Class B notified interruptions falling outside window		1.93
SAIDIs	Sum of Class B non- notified interruptions	53.73
Class B notified interruptions falling inside window		83.56
Class B intended interruptions cancelled without notice		3.43
Class B intended interruptions cancelled with notice		-
SAIDIN	Sum of Class B notified interruptions	86.99
Planned SAIDI assessed value	SAIDI& + (SAIDIN/2)	97.23

Planned SAIFI assessed value RY23			
Term	Description	Value	
Planned SAIFI assessed value	Sum of Class B interruptions commencing within the assessment period	0.70	

4.2 Statement of compliance with unplanned interruptions quality standards

Table 9 and Table 10 below show that Top Energy has not complied with the unplanned interruptions quality standard in clause 9.7 of the 2020 DPP Determination.

Table 9

Unplanned interruptions quality standard RY23 - SAIDI			
Unplanned SAIDI assessed value ≤ Unplanned SAIDI limit			
Unplanned SAIDI limit		380.24	
Unplanned SAIDI assessed value	Sum of normalised SAIDI values for Class C interruptions commencing within the assessment period	513.96	
Compliance result		Non-Compliant	

Table 10

Unplanned interruptions quality standard RY23 - SAIFI			
Unplanned SAIFI assessed value ≤ Unplanned SAIFI limit			
Unplanned SAIFI limit		5.0732	
Unplanned SAIFI assessed value	Sum of normalised SAIFI values for Class C interruptions commencing within the assessment period	5.50	
Compliance result		Non-Compliant	

Information about policies, procedures and calculations for measuring planned and unplanned interruptions during the assessment period is in Appendix C.

As the unplanned interruptions quality standard has been exceeded, additional unplanned interruption reporting, as specified in clause 12.3 and 12.4 of the 2020 DPP Determination has been provided.

4.2.1 Major events

Table 11 and Table 12 below show the SAIDI and SAIFI values attributed to major events which occurred during the assessment period.

Further information about major events is included in Appendix D.

Table 11

Unplanned SAIDI major events RY23				
Start	End	Pre-normalised unplanned SAIDI	Normalised unplanned SAIDI	
10/02/2023 6:30 pm	15/02/2023 10:30 am	1191	30.16	
25/08/2022 11:30 am	27/08/2022 10:30 am	53.83	2.19	
17/08/2022 8:30 am	19/08/2022 2:00 am	42.17	11.71	
24/07/2022 9:00 am	26/07/2022 1:30 am	43.21	8.46	

Unplanned SAIFI major events RY23							
Start End Pre-normalised Normalised unplanned SAIFI unplanned SAIFI							
11/02/2023 10:00 am	14/02/2023 2:30 pm	1.07	0.22				

4.3 Statement of compliance with extreme event standard

As demonstrated in Table 13 below, and consistent with clause 9.9 of the 2020 DPP Determination Top Energy has complied with the extreme event standard.

Table 13

Extreme event standard RY23								
Unplanned SAIDI value ≤ 120 minutes, and customer interruption minutes ≤ six million during any 24-hour period, excluding unplanned interruptions from major external factors								
Number of extreme events	Compliance result							
nil	nil Compliant							

Cyclone Gabrielle triggered greater than 120 Minutes of un-normalised SAIDI, as well as greater than six million customer interruption minutes. However, Cyclone Gabrielle meets the definition of a major external factor which excludes it from being an extreme event.

4.4 Quality Incentive Adjustment

Table 14 below shows Top Energy quality incentive adjustment for the assessment period.

Quality Incentive Adjustment RY23								
Term Description Value (\$000)								
SAIDI planned adjustment	(SAIDI planned, target - SAIDI planned, assessed) x 0.5 x IR	\$48.900						
SAIDI unplanned adjustment	(SAIDI unplanned, target - SAIDI unplanned, assessed) x IR	-\$256.337						
Total adjustment	SAIDI planned adjustment + SAIDI unplanned adjustment	-\$207.436						
Revenue at risk	0.02 * ANAR	\$857.405						
Total reward		-\$207.436						
67th percentile estimate of post- tax WACC		4.23%						
Quality incentive adjustment		-\$225.357						

Table 15 below shows Top Energy's quality incentive adjustment inputs consistent with Schedule 4 of the 2020 DPP Determination.

Quality Incentive Adjustment Inputs RY23								
Term	Units	Value	Term	Units	Value			
SAIDI planned interruption cap	minutes	381.07	SAIDI unplanned interruption cap	minutes	380.24			
SAIDI planned interruption collar	minutes	-	SAIDI unplanned interruption collar	minutes	-			
SAIDI planned interruption target	minutes	127.02	SAIDI unplanned interruption target	minutes	302.16			
Planned SAIDI assessed value	minutes	97.23	Unplanned SAIDI assessed value	minutes	513.96			
Incentive rate		3,283						
Actual net allowable revenue (ANAR)	\$0	42,870						
		-						
SAIDI planned interruption target	minutes	127.02	SAIDI unplanned interruption target	minutes	302.16			
Minimum of the planned SAIDI cap and assessed value	minutes	97.23	Minimum of the unplanned SAIDI cap and assessed value	minutes	380.24			
Planned SAIDI subject to incentive	minutes	29.79	Unplanned SAIDI subject to incentive	minutes	-78.08			
Adjustment (IR x 0.5)	\$	1641.5	Adjustment (IR)	\$	3,283			
SAIDI planned adjustment	\$0	\$48,900	SAIDI planned adjustment	\$0	-\$256,337			

5. Transactions

Top Energy has not entered into any agreement with another EDB or Transpower for an amalgamation, merger major transaction or non-reopener transaction in the assessment period

6. Director's certification

A Director's certificate in the form set out in Schedule 7 of the 2020 DPP Determination is included as Appendix E.

7. Assurance report

An assurance report meeting the requirements of Schedule 8 of the 2020 DPP Determination is included in Appendix F.

Appendix A – Pass-through and recoverable costs

Table 16 and 17 compare the forecast pass through and recoverable costs used to set forecast allowable revenue for the assessment period, to the actual pass-though and recoverable costs used to determine actual allowable revenue.

These costs for the assessment period were forecast by Top Energy in December 2021 as part of the company's annual pricing process. For the 2023 assessment period the actual pass-through and recoverable costs incurred were \$62k less than forecast.

Pass-through costs

Table 16

Passthrough Costs for year endi	ng March 2023			
Description	2023 Actual \$	2023 Forecast \$	Variance (\$)	Variance (%)
Rates	58,541	58,095	446	.76%
Electricity Authority Levies	86,955	99,021	(12,067)	(13.88)%
Commerce Commission Levies	119,534	169,673	(50,139)	(41.95)%
Complaints Levy	23,035	22,888	147	.64%
Total	288,065	349,677	(61,612)	(21.39)%

Recoverable costs

Table 17

Recoverable Costs for year endi	ng March 2023			Notes		
Description	2023 Actual \$	2023 Forecast \$	Variance (\$)	Variance (%)		
Transpower	1,682,738	1,682,738	-	-	As per Transpower billing	
Avoided Transmission Ngawha	2,392,836	2,392,836	-	-	Based on RCPD Hundred peaks and Transpower price for Interconnection	
Extended Reserves Allowance	-	-	-	-		
Quality Incentive Adjustment	54,337	54,337	-	-	Quality Incentive calculation for 22/23 adjusted for time value of money	
Innovation	-	-	-	-	No Innovation spending in AMP	
IRIS (OPEX)	365,836	365,836	-	-	As per Com Com model for IRIS	
IRIS (CAPEX))	(484,311)	(484,311)	-	-	As per Com Com model for IRIS	
CAPEX wash-up Adjustment	(553,349)	(553,349)				
Total	3,458,088	3,458,088	-	-		

Pass-through balance

Table 18

Nil

Appendix B – Prices and quantities

Table 19 shows the forecast revenue from prices for the third assessment period from the price setting compliance statement.

Table 19



Table 20 shows the actual prices and quantities for actual revenue from prices for the first assessment period

Table 20

EP (392)+Q (a		Prices at 31 Marc	h 2023 multiplied	by QTY 3	March 2023 Act	tual																		
PV Number of Days:		3425		Distributio									Line Ter#14.20	22 to 31.5.2025 year				Actual Pass through Revenue [5]	Actual Pass through Revenue (5)	Actual Distributi	an Revenue	Actual Other Revenue	Actual Other Revenue	Tatal Revenue (5)
Tailfor Fee		Description	Pass chrough Amerage Number of ICPs 31/03/23	n Aserage Number of KPs	Pass-through kWh or kno or leasts for 31/03/23	Distribution With or loss or issueh for 312/03/23	WA for 31/98/23	Other Otyler 31/03/23	Other Otyler 31/05/23			Read			Variable (clinich)	Variable (s/kurk)	Variable (s, Rock)	Fiel	Variable	Field	Variable	Field	Variable	
				straits						cents/Day Pasa-through Prices	cents/Day Distribution	Tatai	c/kW/day	S ₁ NVA	Pas-through Prices	Distribution	Tatal							59,2022 (3 2022
Low ther Non 701(18)																								
Ler Capacity Diarge 6 to 12 kW		USP Daily Transmission Pri	* 77	95 7,595						0.900	29.5000	30.000						13,840		40,98				851,822
LUC LA	UN24 IN18	UP Uncontrolled		-	6,763,462	6,783,462									1.64	17.29	18.95		111,249		1,172,861			1,284,109
LPC	CN20	UP Controlled 20			152,002	152,052									0.53	6.91	7,44		808		20,505			11,513
LN	NB	LIENAN		-	306,047	306,047									0.26	8.80	8.06		796		26,922			27,728
Low user TOU Uncontrolled		LUT Delly price on 1993	10	04 1,804						0.500	29 5000	30.000	2					3,292		194,210				197,502
Capacity Charge 4 to 12 KW	UN24	LUT Peak			1,427,904	1,427,904									1.65	21.45	25.10		23,960		334,843			350,404
L10	UN24 UN24	LUF thoulder LUF Off peak			4,039,758	4,099,758									1.65	16.82	17.97		66,656 4,128		668,289 266,920			725,945 271,048
				-																				
Low user TOU controlled		LO ^r Daily price on HHR	72	34 7,234						 0.500	29.500	30.000						13,202		778,534				752,136
101	1918	U7 Peak U7 Shoulder		-	6,929,006	6,929,006									1.08	17.65	18.75		74,833		1,222,970			1,297,809
18	1418	1.0° Of peak			9,317,455	5,317,455									0.26	14.57	14.83		24,225		1,397,553			1,581,779
Standard User Non-700 (58)		String have								0.077		122.000												1 641 783
Capacity Diarga + to 124W											1000							1411						
54	1918	DP All inclusive			17,234,010	27,234,251									1.90	9.05	14,17		294,130		2,464,700			1,756,850
5PC 5D	CM20 016	SW Controlled 20 SW Day			1,793,004	386,611 1,793,094									0.53	5.01	5.54		2,049		23,365			21,418 243,853
5N	NB	Stringer			201,224	701,224									0.26	7.71	7.97		1,823		54,064			55,888
Standard user TDUUs controlled SUF		SUF Daily price on 1448	15	1,577						0.670	134.3300	135.000	0					4.84		969,233				974,067
Capacity Drarge 4 to 12xW 8x1	UN24	SUF Peak			2,521,963	2,521,363									1.96	18.51	20.07		15,333		465,704			506,037
540 545	UN24 UN24	SUF Shoulder SUF Off peak			3,347,794	3,147,796 5,722,271									0.26	12.66	13.74		77,424		908,975 443,323			967,603 453,000
And a West of State																								
Standard oper 100 Occostrated		50° Daily price on HHR	8	70 3,870						 0.870	234,390	135.000						3,465		1,897,578				1,907,042
\$61	0418	SCF Peak		-	5,492,178	5,492,178									1.00	15.60	16.60		58,216		851,208			\$20,603
10	1918	SCI Off peak			7,618,322	7,618,322									0.26	4.30	2.64		18,404		638,415			668,223
Community (SM) GMF																								
6M#																								
General User (96) 057		00F Daily Price	100	62 2.562						0.670	200 300	150.000						8.726		1 944 862				1 667 508
Capacity Diarga to 15 kVX	10114	and increased		-		10 10 4 5 10										11.85	14.65				6.067.111			
054	1918	00FAT inclusive			3,120,086	3,120,086									1.08	9.58	22.66		33,697		298,904			332,603
660	016	GGF Day			6,326,688	6,326,688									0.55	5.16	12.21		72,124		763,621			101,094
General 701 Upper trolled	~	OD, effet			(35/3/4	4,354,578				 					V.20	1.14	7,40		7,848		207,415			210,044
611		GUF Daily price on H4R	14	22 1,602						0.6700	549,2300	190.000	2					2,914		173,292				\$77,211
605 012	UN24	GUF Peak GUF Shoulder		-	3,527,365	3,527,365 11,439,124									1.56	18.60	30.16 13.97		55,027 230,406		656,090 1,467,540			711,117
613	UN24	Guil Off peak			6,336,673	6,333,673									0.24	12.04	12.30		13,890		643,764			655,545
General TOU controlled																								
405		IOCF Cally price on HHR		59 259						0.670	149.3300	150.000						879		195,592				196,430
901	1918	00 Peak 00 Shoulder			\$10,473 2,294,465	938,473 2,894,465									1.08	34.74	15.82		33,136 32,997		198,891 256,450			340,466
43	1410	102 Callen			1,490,990	1,590,990									v.e				3,817		10,09			10,01
GAP	10J or SM	GRF Cally price on FMR		65 65						29.997	194,682	904.620						3,254		146,191				10,009
01		01 Peak 02 Shoulder			1,580,948	1,580,948									1.66	12.79	2.65		28,244		293,755			228,447 335,966
03	-	03 Off peak			1,445,888	1,445,588									0.26	5.24	5.50		3,811		76,813			80,524
LDGen				-	14,564	54,564																		2,936
12013				-	30,140	30,140																		8,707
04					4,684,962	4,684,962										0.01								22,444
Larger User (104) 100		100 Daily price on Hell		38 30						\$7,332	2,574,8700	2,632,202	0					7,953		357,134				345,064
TDu5 TDu5		Peak Shoulder			1,436,704 6,789,683	2,436,794									1.07	5.51	7.30		64,268 86,228		189,367 259,613			253,635 340,840
1040 1047X		Offpeak		25 25	1,606,334	3,606,336				\$7,832	2,574,8700	2,632,202			0.07	0.85	0.92	5,232	2,524	234,957	31,654			23,178 240,188
1005x3 1005x2		Peak Shoulder			5,770,149	5,770,149									1.87	5.51	7.38		307,902		317,935 641_035			425,837
100783		Offpeak			7,593,384	7,593,384				 					0.07	0.85	0.92		3,395		67,944			73,539
10,0107				-			15,291				0.0900	0.050	2					275,063						275,061
10ULVID		-					6,545				0.0900	0.090		-				113,410						117,410
Industrial										 														
000055013075405	-	-								1,084.610	1,485,4200	2,572.030	1					399,413		542,178				935,791.0
	105			1						247.279	854,9900	1,322.140	-					90,006		11,115				401,221
Non-standard	100										2,128,9250	2,128,925								777,650				777,054
Taipogen	109			1 1																				
Kaltala Dan	109																							
	100			1 1																				
teetigo										 														
UMB				8 4															1			-		
UMOL	-	-		1 1					3		15.000	15.000										2,753		2,753
UML UMUF				5 5					2.62			41.000										-		422,763
											1	1												
NL.				67 67					6									-						
rejutment for previous period wash up		-	-		100.000.000.00	-			1.642					-										162,529

The table below shows the break down of price x quantities for total revenue before discount above.

EP 1,2023 • Q 1,1		Prices at 31 March	2023 multiplied by	QTY 31	March 2023 Actua	I								
FY Number of Days:		2023 365												
					Total Revenue				Discour					Total Revenue
			Pass-through Average	Distributio n Average	(5)									(5)
Tariff or Fee		Description	Number of ICPs 31/03/23	Number of ICPs		ICP Numbers eligible as 31.3.2023	Percentage	Kwh discounted	Fixed Discount \$/day	Variable Discount c/kWh	Actual Distribution Discount	Actual Distribution Discount	Total Discount	Total Revenue
				31/03/23						(Capped)	(5)	(5)		
					SPI,2022 QI 2022				Fixed	Variable (kWh)	Fixed	Variable		SP(,2023 Q) 2023
Low User Non-TOU (LR)														
LRF		LRF Daily Transmission Pric	7595	7,595	831,622	7,318			- 0.1373		(366,715)		(366,715)	464,907
LUC	UN24	LRF Uncontrolled			1,284,109		19%	1,545,782		- 0.1481		- 228,930.39	(228,930)	1,055,179
LA	IN18	LRF All inclusive			4,090,563		78%	6,289,728		- 0.1481		- 931,508.76	(931,509)	3,159,054
LD	D16	LRF Day			11,811 167,904		2%	195,910		- 0.1481		- 29,014.28	(29,014)	11,811 138,890
LN	NB	LRF Night			27,728									27,728
Low user TOU Uncontrolled		IIIE Daile agins an UNP	1904	1 904	197 502	. 1.010			0.1272		(01.172)		(01.172)	106.229
Capacity Charge 4 to 12kW											(*******		(**,***)	
LU2	UN24 UN24	LUF Peak LUF Shoulder			725,945		57%	1,115,024		- 0.1481		- 56,369.06 - 165,135.06	(165,135)	560,810
LU3	UN24	LUF Off peak			271,048		23%	438,270		- 0.1481		- 64,907.79	(64,908)	206,140
Low way TOLL controlled					-	-								
LCF		LCF Daily price on HHR	7234	7,234	792,136	7,088			- 0.1373		(355,201)		(355,201)	436,935
Capacity Charge 4 to 12kW LC1	IN18	LCF Peak			1,297,803		20%	1,545,100		- 0.1481		- 228,829.27	(228,829)	1,068,974
LC2 LC3	IN18 IN18	LCF Shoulder LCF Off peak			2,973,528 1,381,779		54% 26%	4,269,590 2,077,700		- 0.1481 - 0.1481		- 632,326.25 - 307,707.41	(632,326) (307,707)	2,341,202
face dead lines bloc TOULORD						-								
SRF		SRF Dailly Price	5402	5,402	2,661,783	5,224			- 0.3402		(648,740)		(648,740)	2,013,044
Capacity Charge 4 to 12kW	1924	105 Herentrolled			1 175 567		226	1 241 222		0.0825		102 401 63	(102.402)	1.072.165
SA	IN18	SRF All inclusive			2,758,830	-	73%	4,080,405		- 0.0825		- 336,633.45	(336,633)	2,422,196
SFC	CN20	SRF Controlled 20			21,418		E 14	200 644		0.0935		22.162.10	(22.162)	21,418
5N	N8	SRF Night			2~5,888 55,888		0%	200,644		0.0625		22,103.10	(22,183)	221,690 55,888
Standard user TOU Uncontrolled														
SUF Capacity Charge 4 to 12kW		SUF Daily price on HHR	1977	1,977	974,067	1,960			- 0.3402		(243,431)		(243,431)	730,636
\$U1 \$U2	UN24 UN24	SUF Peak			506,037	-	19%	385,618		- 0.0825		31,813.48	(31,813)	474,224
\$U3	UN24	SUF Off peak			967,603 453,000		54%	1,099,303 569,285		- 0.0825		+0,692.54 - 46,966.03	(90,693) (46,966)	896,911 406,034
						-								
Standard user TOU Uncontrolled SCF		SCF Daily price on HHR	3870	3,870	1.907.042	3,880			- 0.3402		(481.841)		(481,841)	1,425,202
Capacity Charge 4 to 12kW	IN18	SCE Pasis			B10 (***	-,	4044	010 TC		0.0015	·····		(,) (60 mm)	840,000
3C1 SC2	IN18 IN18	SCF Peak SCF Shoulder			1,585,224		54%	2,288,017		- 0.0825		- 66,537.53 - 188,761.38	(68,538) (188,761)	1,396,462
SC3	IN18	SCF Off peak			658,223		27%	1,152,363		- 0.0825		- 95,069.94	(95,070)	563,153
Community (GM) GMF														
GMV														
General User (GG)						-								
GGF		GGF Daily Price	3568	3,568	1,953,588	3,399			- 0.3402		(422,085)		(422,085)	1,531,503
GGUC	UN24	GGF Uncontrolled			5,657,712		80%	2,606,099		- 0.0825		- 215,003.14	(215,003)	5,442,709
GGA	IN18 CN20	GGF All inclusive			332,601	-	6%	209,112		- 0.0825		- 17,251.77	(17,252)	315,349
66D	D16	GGF Day			835,755		13%	424,023		- 0.0825		- 34,981.90	(34,982)	800,774
QQN	No	GOF Night			211,040									211/040
General TOU Uncontrolled GUF		GUF Daily price on HHR	1602	1,602	877,211	1,601			- 0.3402		(198,859)		(198,859)	678,352
GU1	UN24	GUF Peak			711.117		17%	276.958		- 0.0825		- 22.849.00	(22.849)	688.268
GU2	UN24	GUF Shoulder			1,598,046	· · · ·	56%	898,164		- 0.0825		- 74,098.52	(74,099)	1,523,947
	0.24	GOF OF peak			630,045		20%	417,100		0.0825		54,361.35	(34,901)	622,083
General TOU controlled														
GCF		GCF Daily price on HHR	359	359	196,470	348			- 0.3402		(43,225)		(43,225)	153,245
0C1	IN18	GCF Peak			148,466		18%	65,035		- 0.0825		- 5,365.36	(5,365)	143,101
6C3	IN18	GCF Off peak			123,156		28%	103,323		- 0.0825		. 8,524.17	(8,524)	114,632
General Advanced User (GA)														
GAF	TOU or SM	GAF Daily price on HHR	45	45	149,449	43			- 0.5500		(8,711)		(8,711)	140,738
62		G2 Shoulder			338,666	· ·	53%	2,646,425		- 0.0038		- 4,614.69	(10,056)	328,609
63		G3 Off peak			80,624	······	23%					- 4,278.84	(4,279)	76,345
12004					2.035									2025
LDGV2					4,079									4,079
					3,707									3,707
DG					23,444									23,444
Larger User (TOU) TOU		TOU Daily price on HHP	20	30	265,005	37			. 0.5500		(7,523)		. 7,573	357.554
TOU1		Peak	30		253,635	37	34%	3,389,176		- 0.0038	V ₁ 545)	- 12,878.87	- 12,879	240,756
TOU2 TOU3		anoulder Offpeak			340,840 33,178		66%	6,695,580		- 0.0038		- 25,443.21	- 25,443	315,396 33,178
TOUTX		Peak	25	25	240,188	25	324	4 746 500	· · ·	. 0.0079	(4,751)	- 18.037.00	4,751	235,437
TOUTX2		Shoulder			-4.9,637 590,398		67%	9,674,688		- 0.0038		- 36,763.81	- 36,764	553,635
TOUTX3		Offpeak			73,539									73,539
тоитхт					279,061									279,061
TOULVED					119,410									119,410
hadronal d														115,410
0000984310TEBBE			1	1	938,791.0	- 1				- 47.65	(17,392)		· 17,392	921,399
0000930130TE465			1	1	401.221	1				- 23.87	(8,69,6)			392,636
	LDG		1	1										
Non standard	LDG		1	1	777,058									777,058
Taipa gen	LDG		1	1										
Kaitala Gen	LDG		1	1										
	LDG		1	1										
Street Lights					·						·			
														-
UMG			6	6										
UMOF			152	152	24,448									24,448
UMINT			5	5	438									438
UMLF			5	23	422,762						· · · ·			422,762
											· · · ·		-	
														-
NIL Adjustment for previous period wash up			67	67	- 163,509									- 163,509
(P _ 0			22.705	22.245	10.377 333			(3.855.17)			1 000 141	4171.007		

Appendix C – Policies and procedures for measuring planned and unplanned interruptions

• PROCESS SUMMARY

The Top Energy Network Control Centre (TECC) records all customer outages using an Advanced Distribution Management System (ADMS) - GE Power On Advantage. Outages are classified as either Unplanned when a fault occurs on the Network or Planned when customers are notified in advance of a scheduled outage. All outages are posted on the Top Energy Outage Centre website which also sends outage notifications and restoration updates directly to Electricity Retailers and subscribed customers via a mobile App. All Network reliability performance data is sourced from the ADMS Outage Reports.

UNPLANNED OUTAGES

Unplanned outages can be initiated by 2 types of events which determine the outage start time used:

- 1. Customer Fault Call received by the Call Centre start time is the Call record entry time;
- 2. Automated Protection Device Activation Alarm start time is the Device operation time.

Fault Call details are entered into the Call Management System by the Call Centre Operators who identify key information about the fault and record the contact details of the Caller. A Network Controller in the TECC reviews the Fault Call details and creates an outage Incident in the ADMS.

Automated Protection Device initiated faults automatically trigger the creation an outage Incident in the ADMS. The Fault Dispatcher or Network Controller may dispatch a fault-crew resource directly or via the Contractor's Faults Supervisor. A Fault Notice is posted on the Outage Centre website and is updated during the Incident as the supply to customers is restored. Once all supply has been restored a Network Controller completes an Incident Outage Report.



Interruption to Unplanned Outage Response or Repair

- For unplanned outages where the fault response resource is under the control of a third party or obstructed from attending and resolving the fault, the field resource will notify the Network Controller of the time of the obstruction affected our ability to respond and the time we were able to recommence the response. Those times will be recorded in the ADMS and the field switching sheet. The outage minute count will stop upon notification of obstruction and commence when we are back in the position we were prior to the notification of obstruction and able to resume from that point. (Examples of obstructions are lack of access to fault sites due to Civil Defence, Road Authority, Police, Emergency Services, or Worksafe NZ in control of site preventing faults response access etc.);
- For unplanned outages where our fault response resource is stood down due to safety issues including weather conditions or environment (e.g. extreme weather, terrain, remoteness, darkness, or fatigue etc). The outage minute count will stop when field resource notifies the Network Controller of the decision to stop to manage safety risks and will recommence once the fault response resource is back in the same position prior to the notification of the stop to manage safety and able to resume from that point. This may include suspension of restoration and or repairs until an agreed safety plan can be agreed and implemented;
- For unplanned outages where customers notify that they do not wish for power to be restored until a later agreed time or date or deny access to their property or agree to be left without supply until an agreed commencement time, then the same principles for reporting outage minutes apply as for site obstruction.

Only high voltage assets owned and operated by Top Energy are included in SAIDI calculations. Serviceability is defined by the customer's ability to receive line function services and at their point of supply/Network connection (ICP).

PLANNED OUTAGES

Planned outages are managed by the Control Centre which:

- 1. approves scheduling of work/outages applied for by the field Contractor;
- 2. creates a precompiled Switching Procedure for the outage;
- 3. posts a planned outage notice on the Outage Centre which is updated during outage restoration;
- 4. conducts and coordinates the planned switching on the network;
- 5. records network device operation times and affected ICPs in the ADMS used for outage reporting.

ADMS INCIDENT RECORDING



All outages on the Top Energy Network are recorded as Incidents in the ADMS Outage Management System (OMS). The OMS runs traces on its Network model to identify the ICPs affected during an Incident. The outage minutes for each network device operation are determined by tracing/counting the ICPs affected and calculating the duration of that outage restoration stage.

The customer minutes lost (CML) for an Incident is the sum of the outage minutes for each outage restoration stage:

CML = Σ (ICP count Stage 1 x Duration Stage 1) + (ICP count Stage 2 x Duration Stage 2) +.... (and so on for each stage)

The SAIFI figure for each incident is calculated using the total number of ICPs affected. Repeat interruptions of supply to an ICP during an incident are not counted in the recorded SAIFI total.

Top Energy maintains an ICP database (Club ICP) which is based on the industry-maintained Registry equivalent. The ICP database is maintained consistently in compliance with relevant Rules and Regulations. The ICP data is sourced from the Electricity Registry and updated in the database each day. An automated process runs daily which compares the ICP data from Club ICP to the ADMS customer records and performs any required updates/deletions/insertions.

A Network connectivity model is maintained in the Geographical Information System (GIS). Updates to the GIS connectivity model are applied as patches to the ADMS Network Model. A trace is run through the GIS Network connectivity model that gathers the total ICPs per feeder. The trace results are compared against the previous days trace and outputted into a report showing the difference between the two traces, categorized by feeder. The report is e-mailed to the GIS Manager each morning and reviewed. If there is a significant ICP difference the connectivity of the feeder is further investigated in GIS, and when remedied the trace is rerun manually.

In addition, a weekly trace is run to ensure number of ICPs in Club ICP database matches number of ICPs connected in GIS by the GIS Administrator. The report outputs total number of ICPs in Club ICP application and the total number of ICPs in GIS, the difference between the two databases categorised by feeders. The report also lists ICP numbers which are not placed in GIS. This report is reviewed and rectified by GIS Technician as appropriate.

For disclosure purposes the average of the Total ICP counts at 31 March year start and 31 March year end are used. The average ICP count for the assessment period is calculated as the sum of the ICP Count at the end of the previous assessment period (31 March) and the ICP count at the end of the current assessment period (31 March), divided by 2.

Network reliability performance statistics (SAIDI, SAIFI etc.) are derived from the ADMS Outage Reports. The outage Incidents are reviewed monthly for reasonableness by the Control Centre Manager. The reliability statistics form part of the General Manager Network's monthly report to the Board of Directors. The statistics are summarised and reported on a six-monthly basis as part of the Company's Financial Report and are compared against targets set out in the Company's Statement of Corporate Intent.

Appendix D – SAIDI and SAIFI major events

The tables below show the normalisation of the SAIDI and SAIFI major events that took place during the assessment period, consistent with Schedule 3.2 of the 2020 DPP Determination.

Normalisation of unplanned SAIDI major events RY23							
SAIDI unplanned boundary value 27.92							
Half hour commencing	Raw SAIDI value for Class C interruption	Normalised SAIDI value for Class C interruption 1/48th					
7/24/2022 14:00	6.079993129	0.581666667					
7/24/2022 17:30	1.22623683	0.581666667					
7/24/2022 18:30	3.394268209	0.581666667					
7/24/2022 21:30	0.430886395	0.430886395					
7/25/2022 1:00	0.258188273	0.258188273					
7/25/2022 2:00	5.545121393	0.581666667					
7/25/2022 6:00	3.781951443	0.581666667					
7/25/2022 8:30	15.46607306	0.581666667					
7/25/2022 9:00	0.078532982	0.078532982					
7/25/2022 9:30	0.824954191	0.581666667					
7/25/2022 10:00	0.092475951	0.092475951					
7/25/2022 10:30	0.007844709	0.007844709					
7/25/2022 11:00	0.585776454	0.581666667					
7/25/2022 12:00	2.036789968	0.581666667					
7/25/2022 13:00	1.231132616	0.581666667					
7/25/2022 15:30	0.940477554	0.581666667					
7/25/2022 17:30	0.48505497	0.48505497					
7/25/2022 19:00	0.131355932	0.131355932					
7/25/2022 19:30	0.615237059	0.581666667					
8/17/2022 9:30	0.173213468	0.173213468					
8/17/2022 15:00	0.004924416	0.004924416					
8/17/2022 16:00	0.026110857	0.026110857					
8/17/2022 20:30	2.35830852	0.581666667					
8/17/2022 22:00	0.556201328	0.556201328					
8/17/2022 23:00	0.686183005	0.581666667					
8/17/2022 23:30	4.163450527	0.581666667					
8/18/2022 0:00	5.550647045	0.581666667					
8/18/2022 2:30	5.439504123	0.581666667					
8/18/2022 3:30	3.826643381	0.581666667					
8/18/2022 5:00	0.293088639	0.293088639					
8/18/2022 5:30	0.269669033	0.269669033					
8/18/2022 6:30	1.618157352	0.581666667					
8/18/2022 8:00	4.683377233	0.581666667					

8/18/2022 8:30	0.033898305	0.033898305
8/18/2022 9:00	1.095739808	0.581666667
8/18/2022 9:30	0.843907467	0.581666667
8/18/2022 10:30	1.154231562	0.581666667
8/18/2022 11:00	1.42075126	0.581666667
8/18/2022 11:30	3.857879066	0.581666667
8/18/2022 12:00	0.094938158	0.094938158
8/18/2022 14:00	0.252805772	0.252805772
8/18/2022 14:30	0.661245992	0.581666667
8/18/2022 15:00	0.271959459	0.271959459
8/18/2022 16:00	1.055142006	0.581666667
8/18/2022 17:00	1.347343106	0.581666667
8/18/2022 17:30	0.348717361	0.348717361
8/18/2022 19:00	0.079706825	0.079706825
8/25/2022 14:00	2.165368759	0.581666667
8/25/2022 18:30	1.410959689	0.581666667
8/26/2022 11:00	49.8083486	0.581666667
8/27/2022 9:00	0.445774164	0.445774164
2/11/2023 7:00	0.003092075	0.003092075
2/11/2023 16:00	0.019754924	0.019754924
2/11/2023 18:00	83.01832341	0.581666667
2/12/2023 3:00	6.348316537	0.581666667
2/12/2023 5:30	0.318340586	0.318340586
2/12/2023 7:30	72.82051649	0.581666667
2/12/2023 8:00	89.75271988	0.581666667
2/12/2023 8:30	14.62365437	0.581666667
2/12/2023 9:00	62.45988891	0.581666667
2/12/2023 9:30	3.742785158	0.581666667
2/12/2023 10:00	0.40760994	0.40760994
2/12/2023 10:30	37.40732364	0.581666667
2/12/2023 11:00	22.90145442	0.581666667
2/12/2023 11:30	0.863834173	0.581666667
2/12/2023 12:00	5.126603298	0.581666667
2/12/2023 13:00	4.374341503	0.581666667
2/12/2023 13:30	3.583142464	0.581666667
2/12/2023 14:00	35.18979043	0.581666667
2/12/2023 15:00	44.5795923	0.581666667
2/12/2023 15:30	39.63493472	0.581666667
2/12/2023 16:00	15.9194629	0.581666667
2/12/2023 16:30	34.43581081	0.581666667
2/12/2023 18:00	6.677679798	0.581666667
2/12/2023 18:30	3.077674072	0.581666667
2/12/2023 20:30	0.518065735	0.518065735
2/12/2023 21:00	1.047411819	0.581666667

2/42/2022 24 22	0.005650775	0.005650774
2/12/2023 21:30	0.025652771	0.025652771
2/12/2023 23:00	27.22560696	0.581666667
2/12/2023 23:30	85.27940334	0.581666667
2/13/2023 0:00	5.378378378	0.581666667
2/13/2023 0:30	12.32289281	0.581666667
2/13/2023 2:00	0.081138342	0.081138342
2/13/2023 4:30	21.19697664	0.581666667
2/13/2023 6:00	18.47105474	0.581666667
2/13/2023 7:30	8.53607421	0.581666667
2/13/2023 9:00	9.781264315	0.581666667
2/13/2023 10:00	160.1058749	0.581666667
2/13/2023 11:00	0.451729272	0.451729272
2/13/2023 12:30	48.74375859	0.581666667
2/13/2023 13:30	2.920121393	0.581666667
2/13/2023 15:00	10.80044663	0.581666667
2/13/2023 15:30	18.65016606	0.581666667
2/13/2023 16:30	55.68188846	0.581666667
2/13/2023 17:00	0.018151626	0.018151626
2/13/2023 17:30	7.502748511	0.581666667
2/13/2023 18:30	12.70370476	0.581666667
2/13/2023 19:00	5.015116812	0.581666667
2/13/2023 20:30	0.347486257	0.347486257
2/13/2023 22:00	0.929683921	0.581666667
2/13/2023 23:30	44.51116583	0.581666667
2/14/2023 1:00	8.272503436	0.581666667
2/14/2023 7:30	7.656407467	0.581666667
2/14/2023 11:00	8.046810582	0.581666667
2/14/2023 12:30	3.416428081	0.581666667
2/14/2023 16:00	1.023247824	0.581666667
2/14/2023 16:30	2.946174989	0.581666667
2/14/2023 18:30	2.500171782	0.581666667
2/15/2023 8:30	11.47532066	0.581666667
2/15/2023 10:00	0.046438388	0.046438388
Total	1330	52.52

Normalisation of unplanned SAIFI major events RY23								
SAIF	SAIFI unplanned boundary value 0.2284							
Half hour commencing	Raw SAIFI value for Class C interruption	Normalised SAIFI value for Class C interruption 1/48th						
2/11/2023 16:00	0.000429455	0.000429455						
2/11/2023 18:00	0.019669033	0.004758333						
2/12/2023 3:00	0.019210948	0.004758333						
2/12/2023 5:30	0.002548099	0.002548099						
2/12/2023 7:30	0.056401741	0.004758333						
2/12/2023 8:00	0.065219881	0.004758333						
2/12/2023 8:30	0.037162162	0.004758333						
2/12/2023 9:00	0.01228241	0.004758333						
2/12/2023 9:30	0.02201672	0.004758333						
2/12/2023 10:00	0.036789968	0.004758333						
2/12/2023 10:30	0.062013284	0.004758333						
2/12/2023 11:00	0.009877462	0.004758333						
2/12/2023 11:30	0.024249885	0.004758333						
2/12/2023 12:00	0.014687357	0.004758333						
2/12/2023 13:00	0.022446175	0.004758333						
2/12/2023 13:30	0.013656665	0.004758333						
2/12/2023 14:00	0.009762941	0.004758333						
2/12/2023 15:00	0.032753092	0.004758333						
2/12/2023 15:30	0.033554741	0.004758333						
2/12/2023 16:00	0.020384792	0.004758333						
2/12/2023 16:30	0.032209116	0.004758333						
2/12/2023 18:00	0.006069629	0.004758333						
2/12/2023 18:30	0.000429455	0.000429455						
2/12/2023 20:30	0.001002061	0.001002061						
2/12/2023 21:00	0.003893724	0.003893724						
2/12/2023 21:30	0.000400825	0.000400825						
2/12/2023 23:00	0.013456253	0.004758333						
2/12/2023 23:30	0.06338754	0.004758333						
2/13/2023 0:00	0.024078104	0.004758333						
2/13/2023 0:30	0.007300733	0.004758333						
2/13/2023 2:00	0.018581081	0.004758333						
2/13/2023 4:30	0.00618415	0.004758333						
2/13/2023 6:00	0.044835089	0.004758333						
2/13/2023 7:30	0.000543976	0.000543976						
2/13/2023 9:00	0.003693312	0.003693312						
2/13/2023 10:00	0.032266377	0.004758333						
2/13/2023 11:00	0.004065506	0.004065506						

Total	1.07	0.215
2/14/2023 12:30	0.061240266	0.004758333
2/14/2023 11:00	0.017693541	0.004758333
2/14/2023 7:30	0.01319858	0.004758333
2/14/2023 1:00	0.011996106	0.004758333
2/13/2023 23:30	0.017550389	0.004758333
2/13/2023 22:00	0.001259734	0.001259734
2/13/2023 20:30	0.006670866	0.004758333
2/13/2023 19:00	0.000400825	0.000400825
2/13/2023 18:30	0.011967476	0.004758333
2/13/2023 17:30	0.010736372	0.004758333
2/13/2023 17:00	0.003693312	0.003693312
2/13/2023 16:30	0.042888227	0.004758333
2/13/2023 15:30	0.009562529	0.004758333
2/13/2023 15:00	0.041170408	0.004758333
2/13/2023 13:30	0.002548099	0.002548099
2/13/2023 12:30	0.035530234	0.004758333

Major Event Normalisation YE2023

Unplanned interruptions	Boundary value	Normalised Value
SAIDI	27.92	0.581666667
SAIFI	0.2284	0.004758333

Major event normalisation reduces the raw value to $1/48^{\text{th}}$ of the boundary value:

Major SAIDI Event 1: Storm July (24/7/2022 9:00am to 26/7/2022 1:30am) Severe Weather was present for much of July, on 24th Haruru Substation went offline.



Incident	Description	UnNormalised SAIDI
INCD-13868-F	# Jumper failure beyond L652 West Coast Rd Mitimiti Storm event	6.079993129
INCD-13865-F	# HV Binder Failure Pinehill Rd Waiotemarama Storm Event	0.9647847
INCD-13973-F	# Broken SWER Conductor Kokohuia Rd Omapere [36412]	0.26145213
INCD-13871-F	# HV Binder failure at Frantoio Ridge Rd & Lighning Arrestors at Backriver Rd Mangonui Storm event	3.394268209
INCD-13886-F	#Tree Contacts beyond S014 Peria Valley Rd Peria [Case 36151] Storm event	0.430886395
INCD-13898-F	# R1405 tripped tree on Line Paparore Rd Paparore	0.258188273
INCD-13904-F	# Multiple Faults beyond R426 Clough Rd	5.08892579
INCD-13910-F	# Broken SWER conductor Tauranga Bay Rd [Case 36158]	0.456195602
INCD-13970-F	# S1011 found open Binder failure SH 12 Waimamaku [36167]	3.781951443
INCD-13979-F	# Faulty HV fuse bases Everitt Rd Te Kao [Case 36211]	0.446489922
INCD-13916-F	# Haruru Sub Trip - 33kV Suspension insulator failure behind Haruru Substation	15.01958314
INCD-13946-F	# Lightning Arrestor Kirikri Lane Kapiro [Case36217] Private Line	0.05196404

INCD-13934-F	# NFF L041 operated Mahinepua Rd Mahinepua [Case 36232]	0.026568942
	# 6.35KV Suspension Insulator Waikare Rd Waikare [Case 36165] Storm	
INCD-13919-F	event	0.583543289
INCD-13922-F	# NFF Pekarau Rd S046 X1 fuse operated	0.241410902
INCD-13928-F	Private line Ohaeawai, 11kV CB 0110	0.092475951
INCD-13931-F	# Tree on line Ryder Rd Taipa	0.007844709
INCD-13937-F	#Tail burnt off mainline Kaimaumau Rd Kaimaumau	0.585776454
INCD-13943-F	# Multiple Faults Oruru Feeder Storm event	2.036789968
INCD-13952-F	# CB1182 Tripped found tree on line Hone Heke Rd Kerikeri	1.231132616
INCD-13967-F	# CB1122 tripped branch on line Springbank Rd Kerikeri	0.940477554
	# 6.35kV Suspension Insulator Waikare Rd Waikare [Case36504]- Storm	
INCD-13988-F	event	0.48505497
INCD-13982-F	# HV tail out of DDO & vegetation on Kumi Rd Awanui	0.131355932
INCD-14015-F	# NFF Wekaweka SWER Kyle tripped SH 12 Waimamaku [36516]	0.615237059

Major SAIDI Event 2: Storm August (17/8/2022 8:30am to 19/8/2023 2am)

MetService issued a Severe Weather Warning on the 17th of August (OM17-17675), resulting in 22 outages on the 18th as well as the long term loss of SH1.



NORTHERN ADVOCATE

By Julia Czerwonatis

Mangamuka Gorge: Waka Kotahi predicts lengthy closure of State Highway 1 after severe storm damage

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It was open for 413 days but despite a \$13.8m repair job State Highway 1 through Mangamuka Gorge is closed again after several slips during last week's storm made the road impassable.

It's Groundhog Day for the Far North after one of two arterial roads that connect Kaitaia with the rest of the world is closed again only 13 months after SH1 was reopened following a year-long closure.

		UnNormalised
Incident	Description	SAIDI
INCD-14324-F	# Tail off top of DDO Kaimaumau Rd Waiharara	0.173213468
INCD-14342-F	# NFF beyond L338 Wiroa Rd Kerikeri [Case 38219]	0.004924416
INCD-14348-F	# Broken Xarm Waiare Rd Okaihau	0.026110857
INCD-14360-F	# Tree on line SH 10 Coopers Beach [Case 38241]	2.35830852

	# R_T08720 operated found line down Fisher-Riley Rd Kaingaroa [Case	
INCD-14363-F	38253]	0.556201328
INCD-14366-F	# Church Rd to Pukenui 33kV tripped NFF restored remotely	0.686183005
	# R126 tripped found failed Suspension Insulator Kaitaia Awaroa Rd	
INCD-14369-F	Herekino	4.163450527
INCD-14579-F	# S1012 tripped Tree on line Far North Rd Te Kao	5.550647045
INCD-14411-F	# R017 tripped found lines down Kohumaru & Te Karoa Rds Mangonui	5.439504123
INCD-14417-F	# R426 tripped found tree on line SH 1 Victoria Valley	3.826643381
	# S202 operated found vegetation on line Waikuku Rd Waimate North	
INCD-14441-F	[38258]	0.293088639
INCD-14441-F INCD-14459-F	[38258] # R_T01331 operated NFF Waikare Valley [Case 38261]	0.293088639 0.269669033
INCD-14441-F INCD-14459-F INCD-14447-F	[38258] # R_T01331 operated NFF Waikare Valley [Case 38261] # Waima Feeder tripped found line down Punakitere Rd Taheke	0.293088639 0.269669033 1.618157352
INCD-14441-F INCD-14459-F INCD-14447-F INCD-14453-F	[38258] # R_T01331 operated NFF Waikare Valley [Case 38261] # Waima Feeder tripped found line down Punakitere Rd Taheke # S1026 tripped multiple tree faults Te Haumi, Opua	0.293088639 0.269669033 1.618157352 4.683377233
INCD-14441-F INCD-14459-F INCD-14447-F INCD-14453-F INCD-14525-F	[38258] # R_T01331 operated NFF Waikare Valley [Case 38261] # Waima Feeder tripped found line down Punakitere Rd Taheke # S1026 tripped multiple tree faults Te Haumi, Opua # L093 operated Private Line 3750 Far North Rd Houhora	0.293088639 0.269669033 1.618157352 4.683377233 0.033898305
INCD-14441-F INCD-14459-F INCD-14447-F INCD-14453-F INCD-144525-F INCD-14462-F	[38258] # R_T01331 operated NFF Waikare Valley [Case 38261] # Waima Feeder tripped found line down Punakitere Rd Taheke # S1026 tripped multiple tree faults Te Haumi, Opua # L093 operated Private Line 3750 Far North Rd Houhora # S1056 tripped found trees in line Horahora Rd Maromaku	0.293088639 0.269669033 1.618157352 4.683377233 0.033898305 1.095739808
INCD-14441-F INCD-14459-F INCD-14447-F INCD-14453-F INCD-14525-F INCD-14462-F INCD-14471-F	[38258] # R_T01331 operated NFF Waikare Valley [Case 38261] # Waima Feeder tripped found line down Punakitere Rd Taheke # S1026 tripped multiple tree faults Te Haumi, Opua # L093 operated Private Line 3750 Far North Rd Houhora # S1056 tripped found trees in line Horahora Rd Maromaku # Omaunu Rd CB tripped found tree in line Omaunu Rd Kaeo	0.293088639 0.269669033 1.618157352 4.683377233 0.033898305 1.095739808 0.843907467

Major SAIDI Event 3: 33kV Line Tripped (25/8/2022 11:30am to 27/8/2022 10:30am)

One week later with the ground still drying the 33kV Line tripped, due to a tree falling on the conductor.

		UnNormalised
Incident	Description	SAIDI
INCD-14654-F	# R270 tripped found conductor failure Rangitane Rd Rangitane	2.165368759
INCD-14660-F	# R017 tripped found broken pole / line down Kohumaru Rd Peria	1.410959689
INCD-14681-F	!!! 33kV CB 151162 KTA - TPA tripped tree on line Duncan Rd Kaitaia	49.8083486
	# Found K_T01298 operated found tree on line West Coast Rd Motuti	
INCD-14693-F	[Case 39629]	0.445774164

Major SAIDI Event 4: Cyclone Gabrielle (10/2/2023 18:30 to 15/2/2023 10:30am) And Major SAIFI Event 1: Cyclone Gabrielle (11/2/2023 10:00 to 14/2/2023 2:30pm) The second state of emergency for the year was declared at 4:30pm on the 12th of February, that evening Cyclone Gabrielle arrived, causing widespread power outages and lasting until the 15th. 23000 of our 35000 ICP's were off at the worst point during the cyclone, and 75% percent of Top Energy's ICP's experienced an outage at some point, with only the towns with underground cabling being mostly spared.

Northlands soil took a while to dry out resulting in trees falling over even days after the cyclone had passed.



Additional Line Mechanics were flown in from Connectics in Christchurch



After the high voltage network was restored, attention was moved onto restoring the low voltage network. It took two weeks to restore all customers.

Incident	Description	UnNormalised SAIDI	UnNormalised SAIFI
INCD-17090-F	# Blown DDO L314, Lake Rd, Okaihau	0.003092075	2.86303E-05
INCD-17096-F	# Trees in Line, Ranui Rd, Waikino	0.019754924	0.000429455
INCD-17255-F	# Re-Arm Poles, Replace Conductor, Settlement Rd, Kawakawa	83.01832341	0.019669033
INCD-17099-F	# Broken Pole 904650, Far North Road, Te Kao	5.811984654	0.009333486
INCD-17102-F	# Recloser Tripped R017, Oruru Rd, Peria	0.536331883	0.009877462
INCD-17105-F	# Tree in Line near Pole 417133, Purerua Rd, Waipapa	0.318340586	0.002548099
INCD-17114-F	# Line Down, Russell Road, Russell	57.33110971	0.043718507
INCD-17117-F	# Line Down at Pole 417086, Opito Bay Rd, Opito Bay	15.48940678	0.012683234
INCD-17504-F	# Broken Pole 904650, Church Rd, Kaitaia	85.94030577	0.02550962
INCD-17129-F	# Repair Conductor beyond 432427, Turk Valley Rd, Motutangi	1.704849977	0.006842648
INCD-17135-F	# Cleared Tree near Pole 429064, Church Rd, Kaitaia	2.107564132	0.032867613
INCD-17189-F	# Faulty Lightning Arrestor, Blown Links, Omaunu Rd, Kaeo	14.54243014	0.015975721
INCD-17138-F	# Reclosing, Puketona Rd, Haruru	0.081224233	0.021186441
INCD-17144-F	# Reclosing, CB1109, Okahu Rd, Kaitaia	0.000458085	0.000114521
INCD-17147-F	# Tree in Conductors near Pole 433779, Waima Feeder, Omanaia	62.45943083	0.012167888
INCD-17234-F	# Line Down SWER, Ngataki Rd, Pukenui	2.61887311	0.000687128
INCD-17153-F	# Tree on Line, Taupo Bay Road, Taupo Bay	1.123912048	0.021329592
INCD-17159-F	# Reclosing R750, Takahue Saddle Rd, Broadwood	0.017493129	0.015202703

INCD-17417-F	# Blown HV Link, Bayleys Beach, Waitangi	0.361142923	0.000400825
INCD-17165-F	# Reclosing, Puketona Rd, Haruru	0.028973889	0.021186441
INCD-17288-F	# Tree through line, at Pole 434662, SH12, Omanaia	29.97257215	0.029174301
INCD-17180-F	# Floating Conductor, Pole 429056, Church Rd, Kaitaia	7.430800504	0.032753092
INCD-17240-F	# Repair Flipped Cross Arm, Everitt Rd, Te Kao	0.003950985	8.5891E-05
INCD-17171-F	# Conductor down beyond 418676, Kohumaru Rd, Peria	22.90145442	0.009877462
INCD-17201-F	# Vegetation on Lines, Pawarenga Rd, Rotokakahi	0.863834173	0.024249885
INCD-17258-F	# Fuse Blown, Onekura Rd, Pungaere	0.587379753	0.00263399
INCD-17231-F	# Tree on line, line down, Awaroa Rd, Awaroa	0.395442052	0.000687128
INCD-17219-F	# Repair Line, Cross Arms, Albert Street, Kawakawa	4.143781493	0.011366239
INCD-17237-F	# Bark Removed from Pole 411158, Hariru Rd, Te Ahuahu	4.374341503	0.022446175
INCD-17267-F	# Broken Pole 436910, Wainui Rd, Whangaroa	3.583142464	0.013656665
INCD-17246-F	# Recloser Tripped, Callaghan Rd, Maromaku	0.789023133	0.00263399
INCD-17264-F	# Tree through SWER line, Wharekawa Rd, Oue	1.147131241	0.000114521
INCD-17249-F	# SWER Line Down at Pole 425570, SH1, Towai	33.25363605	0.00701443
INCD-17303-F	# Multiple Faults, CB1108, Kaitaia	44.5795923	0.032753092
INCD-17270-F	# Floating Conductor, Inland Road, Lake Ohia	39.63493472	0.033554741
INCD-17369-F	# Storm Damage, Puketona Rd, Haruru	15.9194629	0.020384792
INCD-17279-F	# Line Down T02159, Te Ra Rd, Waipapa	13.89011681	0.016777371
INCD-17333-F	# KERIKERI INLET ROAD, 11kV SECT S1007	2.594537334	0.007243472
INCD-17285-F	# Tree in Line beyond 417133, Purerua Rd, Kapiro	17.95115667	0.008188273
INCD-17294-F	# Bamboo in Line, Pakaru Rd, Kawakawa	6.677679798	0.006069629
INCD-17297-F	# Tree on Line beyond 415049, Ryder Rd, Taipa	0.282123225	5.72607E-05
INCD-17804-F	# Vegetation on Line, beyond L140, Marlow Rd, Maromaku	2.794405634	0.000257673
INCD-17300-F	# Blown Fuse F2019, Kaitaia-Awaroa Rd, Kaitaia	0.001145213	0.000114521
INCD-17312-F	# Jumper off at SW1366, Far North Road, Pukenui	0.518065735	0.001002061
	# Shoes found on line, near pole 431022, Kaimaumau Rd,		
INCD-17315-F	Waiharara	1.047411819	0.003893724
INCD-17324-F	# DDO Blown, branch on line, Cumber Rd, Kaikohe	0.025652771	0.000400825
INCD-17336-F	# Broken Pole, Lines Down, Whangaroa Feeder, Kaeo	27.22560696	0.013456253
INCD-17342-F	# Tipped Crossarms, Trees in Line, Pungaere Rd, Pungaere	10.56650825	0.015059551
INCD-17345-F	# HV wires down at Pole 436801, Whangaroa Rd, Whangaroa	23.56075355	0.038307375
INCD-17354-F	# Multiple Lines Down beyond R607, Awarua Feeder, Kaikohe	45.91505383	0.00967705
INCD-17783-F	# Vegetation on SWER line at Pole 434297, Tokowhero Rd,	3 026883875	0 000200412
INCD-17786-F	#Tree in Line Mangakahia Road Kaikohe	2 210203848	0.000143152
INCD-17357-F	# Floating Conductors Puketawa Rd Panguru	5 378378378	0.024078104
INCD-17360-F	# Broken Crossarm Line Down Ludbrook Rd. Pakaraka	4 869961063	0.003292487
INCD-17363-F	# SWER Line Down Beyond Pole 420580. Otiria Rd. Moerewa	7 452931745	0.004008246
INCD-17372-F	# Protection Trinned CB0108 Reservoir Road, Kaikobe	0.081138342	0.018581081
INCD-17384-F	# Broken Insulators Mataraua Rd, Kaikohe	12 10447206	0.003721942
INCD-17789-F	# Renair SWFR Mataraua Rd Kaikohe	5 511079936	0.000515346
INCD-17792-F	# Overhead Link 1448 T02328 Mataraua Rd Mataraua	0 465529088	2 863035-05
INCD-17795 F	# Line Down near Dole /2212/ Whaterburgs Pd. Otaus	0.703323000	0.00177509
	# TV Links Postored After Storm, Materous Rd, To Jeinge	0.522200007	0.00177308
INCD-17798-F	# TA LINKS RESIDIEU AITEI STOFFI, Midtaladud Kü, Te Iringa	2.19302089	0.000143152
INCD-17390-F	# Tree III Line, Taupo Bay Koad, Taupo Bay	12.13356047	0.021329592
INCD-17393-F	# Bamboo In Line, SHIU, IVIT POKaka	0.337494274	0.023505497

INCD-17573-F	# SWER Faults, R_T03897, Whangae Rd, Kawakawa	8.53607421	0.000543976
INCD-17411-F	# Sectionaliser S061 found open, Far North Road, Paparore	0.023934952	0.000543976
INCD-17495-F	# Multiple Faults, Supply to Water Treatment Plant, Puketona Rd, Haruru	9.757329363	0.003149336
INCD-17420-F	# Trees in Lines, Lines Down, Opononi Feeder, Opononi	160.1058749	0.032266377
INCD-17414-F	# Lead to DDO Repaired, Pukepoto Rd, Kaitaia	0.451729272	0.004065506
INCD-17432-F	# Floating Conductor at Pole 414492, Puketawa Rd, Panguru	35.7239464	0.015288594
INCD-17426-F	# Line Down, beyond S197, SH12, Ngawha	13.01981219	0.02024164
INCD-17585-F	# Repair Cross Arm, SH10, Lake Ohia	2.920121393	0.002548099
INCD-17438-F	# Tree in Conductor near 420914, Smith Rd, Pakaraka	4.880726065	0.005411131
INCD-17441-F	# Reclosing, Okahu Rd, Kaitaia	0.001488777	0.000372194
INCD-17447-F	# Replace Crossarms on Poles 401321, Waipapa Rd, Waipapa	5.918231791	0.035387082
INCD-17450-F	# Cracked Insulator, Paiaka Rd, Paiaka	18.65016606	0.009562529
INCD-17486-F	# Broken DDO, Clarke Road, Ahipara	13.63327416	0.020642464
INCD-17459-F	# Lines Down, Te Pua Rd, Kaikohe	42.04861429	0.022245763
INCD-17612-F	# Reclosing, CB0109. Reservoir Rd, Kaikohe	0.018151626	0.003693312
INCD-17468-F	# 33kV Circuit Breaker Tripped CB163582, Kaikohe	7.502748511	0.010736372
INCD-17471-F	# Reclosing on CB1109, Okahu Rd, Kaitaia	0.000458085	0.000114521
INCD-17477-F	# Repair Conductor beyond Pole 430774, Whangape Rd, Herekino	12.57309322	0.006785387
INCD-17480-F	# Bark on line, Mangakaretu Rd, Waipapa	0.130153459	0.005067568
INCD-17489-F	# Line Down near Pole 041636, Waipapa Loop Rd, Waipapa	5.015116812	0.000400825
INCD-17606-F	# HV Fuse Blown, Waipapa Loop Rd, Waipapa	0.347486257	0.006670866
INCD-17510-F	# SWER Conductor Down, Takou Bay Rd, Waipapa	0.929683921	0.001259734
INCD-17513-F	# Tree through line, Multiple Faults, Awanui	43.65603527	0.008589098
INCD-17519-F	# Vegetation on Lines, South Rd Feeder, Okahu	0.855130554	0.008961292
INCD-17525-F	# Storm Damage beyond S004, SH1, Awanui	8.272503436	0.011996106
INCD-17549-F	# Circuit Breaker Tripped CB0110, Reservoir Rd, Kaikohe	7.656407467	0.01319858
INCD-17558-F	# Vegetation on Line, South Rd Feeder, Broadwood	1.255067568	0.008961292
INCD-17600-F	# Crossarms Broken, SH10, Waipapa	5.151998397	0.004724004
INCD-17615-F	# Line Down Between 329884 and 330214, Martin Rd, Kaeo	1.639744617	0.004008246
INCD-17561-F	# 33kV Tripped CB063322, Puketona Rd, Haruru	1.343707055	0.042659185
INCD-17570-F	# SWER Lines Down, Ngapipito Rd, Kaikohe	2.072721026	0.018581081
INCD-17684-F	# Rawene Feeder Tripped, SH12, Omanaia	0.977009849	0.010736372
INCD-17576-F	# Rebind Conductor, Sandhills Rd, Awanui	0.046237975	0.000543976
INCD-17624-F	# Blown HV Link, L013, Valencia Lane, Kerikeri	2.946174989	0.002175905
INCD-17702-F	# Tree through SWER, Waiotehue Rd, Takahue	2.500171782	0.000400825
INCD-17621-F	# Rebind Conductor at 427109, Masters Access Rd, Wainui	11.47532066	0.027513743
INCD-17636-F	# Line Down at T02553, Mason Rd, Taikirau	0.046438388	2.86303E-05

Appendix E – Director's certificate

We, David Alexander Sullivan and Jon Edmond Nichols being directors of Top Energy Limited certify that, having made all reasonable enquiry, to the best of our knowledge and belief, the attached annual compliance statement of Top Energy 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

John D A Sullivan

J E Nichols

Jun

29 August 2023

Appendix F – Assurance report

Deloitte.

Independent Assurance Report

To the Directors of Top Energy Limited on the Annual Compliance Statement for the Assessment Period Ended 31 March 2023 as required by the Electricity Distribution Services Default Price-Quality Path Determination 2020

The Auditor-General is the auditor of Top Energy Limited (the Company). The Auditor-General has appointed me, Jason Stachurski, using the staff and resources of Deloitte Limited, to undertake a reasonable assurance engagement, on his behalf, on whether the Annual Compliance Statement on pages 4 to 14 and 18 to 31 for the assessment period ended on 31 March 2023 has been prepared, in all material respects, in compliance with the Electricity Distribution Services Default Price-Quality Path Determination 2020 (the 'Determination').

Opinion

In our opinion, in all material respects:

- as far as appears from our examination, the information used in the preparation of the Annual Compliance Statement has been properly extracted from the Company's accounting and other records, sourced from its financial and non-financial systems; and
- the Company has complied with clauses 11.5 and 11.6 of the Determination in preparing the Annual Compliance Statement for the assessment period ended 31 March 2023.

Basis for opinion

We conducted our engagement in accordance with the Standard on Assurance Engagements (SAE) 3100 (Revised) Assurance Engagements on Compliance, issued by the New Zealand Auditing and Assurance Standards Board. An engagement conducted in accordance with SAE (NZ) 3100 (Revised) requires that we also comply with the International Standard on Assurance Engagements (New Zealand) 3000 (Revised) Assurance Engagements Other Than Audits or Reviews of Historical Financial Information.

We have obtained sufficient recorded evidence and explanations that we required to provide a basis for our opinion.

Directors' responsibilities

The directors of the Company are responsible:

- For the preparation of the Annual Compliance Statement under clause 11.4 and in accordance with the requirements in clauses 11.5 and 11.6 of the Determination.
- For the identification of risks that may threaten compliance with the clauses identified above and controls which will mitigate those risks and monitor ongoing compliance.

Auditor's responsibilities

Our responsibilities in terms of clause 11.5(e) and schedule 8(1)(b)(vi) and 8(1)(c) of the Determination, are to express an opinion on whether:

- as far as appears from our examination, the information used in the preparation of the Annual Compliance Statement has been properly extracted from the Company's accounting and other records, sourced from its financial and non-financial systems; and
- the Annual Compliance Statement, for the assessment period ended 31 March 2023, has been prepared, in all material respects, in accordance with the requirements in clauses 11.5 and 11.6 of the Determination.

To meet these responsibilities, we planned and performed procedures in accordance with SAE 3100 (Revised), to obtain reasonable assurance about whether the Company has complied, in all material respects, with clauses 11.5 and 11.6 of the Determination.

In relation to the wash-up amount set out in clause 8.6 of the Determination, our procedures included recalculation of the wash-up amount in accordance with schedule 1.6 of the Determination and assessing it against the amounts and disclosures contained on pages 4 to 7 of the Annual Compliance Statement.

Deloitte.

In relation to the quality standards in clause 9 of the Determination, our procedures included examination, on a test basis, of evidence relevant to the values and disclosures contained on pages 8 to 12 of the Annual Compliance Statement.

In relation to the quality incentive adjustment set out in Schedule 4 of the Determination, our procedures included recalculation of the quality incentive adjustment in accordance with Schedule 4 of the Determination and assessing it against the amounts and disclosures contained on pages 13 to 14 of the Annual Compliance Statement.

An assurance engagement to report on the Company's compliance with the Determination involves performing procedures to obtain evidence about the compliance activity and controls implemented to meet the requirements. The procedures selected depend on our judgement, including the identification and assessment of the risks of material non-compliance with the requirements.

Inherent limitations

Because of the inherent limitations of an assurance engagement, together with the internal control structure, it is possible that fraud, error or non-compliance with clauses 11.5 and 11.6 of the Determination may occur and not be detected. A reasonable assurance engagement throughout the assessment period does not provide assurance on whether compliance with clauses 11.5 and 11.6 of the Determination will continue in the future.

Restricted use

This report has been prepared for use by the directors of the Company and the Commerce Commission in accordance with clause 11.5 (e) of the Determination and is provided solely for the purpose of establishing whether the compliance requirements have been met. We disclaim any assumption of responsibility for any reliance on this report to any person other than the directors of the Company and the Commerce Commission, or for any other purpose than that for which it was prepared.

Independence and quality control

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 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.

The Auditor-General, and his employees, Deloitte Limited, and its partners and employees may deal with the Company 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 trading activities of the Company, this engagement, the assurance engagement on the Information Disclosures and the annual audit of the Company's financial statements, we have no relationship with or interests in the Company.

We are independent of Top Energy in accordance with the independence requirements of the Auditor-General's Auditing Standards, which incorporate the independence requirements of Professional and Ethical Standard 1: International Code of Ethics for Assurance Practitioners issued by the New Zealand Auditing and Assurance Standards Board. Other than the audit, we have no relationship with, or interests in, Top Energy Limited.

Deloitte Limited

Jason Stachurski Deloitte Limited On behalf of the Auditor-General Auckland, New Zealand 29 August 2023

Appendix G – Compliance statement reference

The following tables reference the Determination requirements and provide guidance on the section of this Statement that meets the specified requirements.

Table D1: Wash-up amount calculation

		Compliance
		Statement
Determination Clause	Determination requirement	section
	Top Energy must calculate the wash-up amount for each assessment period	
8.6	using the methodology specified in Schedule 1.6	2

Table D2: Quality Path summary

		Compliance
		Statement
Determination Clause	Determination requirement	section
	Top Energy must comply with the planned interruptions reliability	
9.1	assessment cap specified in clause 9.2 for the DPP regulatory period	3
	Top Energy must comply with the annual unplanned interruptions	
9.7	reliability assessment specified in clause 9.8 for that assessment period	3

Table D3: Annual compliance statement

		Compliance
Determination Clause	Determination requirement	statement
Determination clause Determination requirement Section		
An annual Compliance Statement must be provided to the Commission consisting of:		
	A statement regarding compliance with the requirement to calculate the	
11.5(a)(i)	washup amount for the assessment period	1
	A statement regarding compliance with the requirement to calculate the	
11.5(a)(ii)	washup amount for the assessment period	1
11.5(b)	The day on which the statement was published	2
	A statement whether Top Energy has entered into any agreement with	
	another EDB or Transpower for an amalgamation, merger, major	
11.5(c)	transaction or non-reopener transaction in the assessment period	1, 5
	A certificate in the form set out in Schedule 7 signed by at least one	
11.5(d)	Director of Top Energy	6
	An assurance report meeting the requirements in Schedule 8, in respect of	
11.5(e)	all information contained in the 'annual compliance statement	7
	Details of the wash-up amount calculation, together with supporting	
11.6(a)	information for all components of the calculation	3
	Any reasons for non-compliance with the annual planned interruptions	
11.6(b)	reliability assessment	N/a
	Any reasons for non-compliance with the annual unplanned interruptions	
11.6(d)	reliability assessment	N/a
	Actions taken to mitigate any non-compliance and to prevent similar	
11.6(d)	noncompliance in future assessment periods	N/a
	For the annual planned interruptions reliability assessment, the SAIDI	
	assessed value, SAIFI assessed value, SAIDI limit and SAIFI limit for the	
	assessment period, and any supporting calculations (including those in	
	Schedule 3.1) and where applicable, the annual planned interruptions	
11.6(e)	reliability assessments for the two previous assessment periods	4
	For the annual unplanned interruptions reliability assessment, the SAIDI	
	assessed value, SAIFI assessed value, SAIDI limit, SAIFI limit, SAIDI	
	unplanned boundary value, SAIFI unplanned boundary value, SAIDI cap,	
	SAIFI cap, SAIDI collar, SAIFI collar, SAIDI target and SAIFI target for the	
	assessment period, and any 3.2 and Attachment BCPP annual compliance	
	statement 2020 Page 34 of 34 supporting calculations (including those in	
	Schedule 3.2) and where applicable, the annual unplanned interruptions	
11.6(f)	reliability assessments for the two previous assessment periods	4
	A description of the policies and procedures which Top Energy has used for	
	capturing and recording Class B interruptions and Class C interruptions, and	
	for calculating SAIDI assessed values and SAIFI assessed values for the	
11.6(g)	assessment period	Appendix C
11.6(h)	The cause of each major event day within the assessment period	4