



**Information Disclosure prepared  
Under Part 4 of the Commerce Act 1986**

**For the Assessment Period:  
1 April 2018 to 31 March 2019**



**EDB Information Disclosure Requirements  
Information Templates  
for  
Schedules 1–10**

**Company Name**

Top Energy Ltd

**Disclosure Date**

31 August 2019

**Disclosure Year (year ended)**

31 March 2019

Templates for Schedules 1–10 excluding 5f–5g  
Template Version 4.1. Prepared 21 December 2017

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Company Name	Top Energy Ltd
For Year Ended	31 March 2019

SCHEDULE 1: ANALYTICAL RATIOS

This schedule calculates expenditure, revenue and service ratios from the information disclosed. The disclosed ratios may vary for reasons that are company specific and, as a result, must be interpreted with care. The Commerce Commission will publish a summary and analysis of information disclosed in accordance with the ID determination. This will include information disclosed in accordance with this and other schedules, and information disclosed under the other requirements of the determination.

This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

7

1(i): Expenditure metrics

	Expenditure per GWh energy delivered to ICPs (\$/GWh)	Expenditure per average no. of ICPs (\$/ICP)	Expenditure per MW maximum coincident system demand (\$/MW)	Expenditure per km circuit length (\$/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers (\$/MVA)
Operational expenditure	46,427	479	217,449	3,794	56,379
Network	15,998	165	74,931	1,307	19,428
Non-network	30,429	314	142,518	2,486	36,951
Expenditure on assets	53,407	551	250,137	4,364	64,854
Network	51,491	531	241,166	4,207	62,528
Non-network	1,915	20	8,971	157	2,326

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1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
Total consumer line charge revenue	153,396	1,583
Standard consumer line charge revenue	174,210	1,524
Non-standard consumer line charge revenue	43,374	8,963

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1(iii): Service intensity measures

Demand density	17	Maximum coincident system demand per km of circuit length (for supply) (kW/km)
Volume density	82	Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
Connection point density	8	Average number of ICPs per km of circuit length (for supply) (ICPs/km)
Energy intensity	10,322	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

29

1(iv): Composition of regulatory income

	(\$000)	% of revenue
Operational expenditure	15,409	30.25%
Pass-through and recoverable costs excluding financial incentives and wash-ups	8,416	16.52%
Total depreciation	9,155	17.97%
Total revaluations	3,731	7.32%
Regulatory tax allowance	5,103	10.02%
Regulatory profit/(loss) including financial incentives and wash-ups	16,589	32.56%
Total regulatory income	50,941	

39

1(v): Reliability

Interruption rate	15.63	Interruptions per 100 circuit km
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Company Name	Top Energy Ltd
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SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

This schedule requires information on the Return on Investment (ROI) for the EDB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. EDBs must calculate their ROI based on a monthly basis if required by clause 2.3.3 of the ID Determination or if they elect to. If an EDB makes this election, information supporting this calculation must be provided in 2(iii).

EDBs must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes).

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sch ref

7	2(i): Return on Investment		CY-2	CY-1	Current Year CY
8			31 Mar 17	31 Mar 18	31 Mar 19
9	ROI – comparable to a post tax WACC		%	%	%
10	Reflecting all revenue earned		8.83%	6.78%	6.35%
11	Excluding revenue earned from financial incentives		8.21%	6.81%	6.29%
12	Excluding revenue earned from financial incentives and wash-ups		7.44%	6.04%	5.51%
13					
14	Mid-point estimate of post tax WACC		4.77%	5.04%	4.75%
15	25th percentile estimate		4.05%	4.36%	4.07%
16	75th percentile estimate		5.48%	5.72%	5.43%
17					
18					
19	ROI – comparable to a vanilla WACC				
20	Reflecting all revenue earned		9.37%	7.37%	6.86%
21	Excluding revenue earned from financial incentives		8.75%	7.40%	6.80%
22	Excluding revenue earned from financial incentives and wash-ups		7.98%	6.63%	6.02%
23					
24	WACC rate used to set regulatory price path		7.19%	7.19%	7.19%
25					
26	Mid-point estimate of vanilla WACC		5.31%	5.60%	5.26%
27	25th percentile estimate		4.59%	4.92%	4.58%
28	75th percentile estimate		6.03%	6.29%	5.94%
29					
30	2(ii): Information Supporting the ROI			(\$000)	
31					
32	Total opening RAB value		251,488		
33	plus Opening deferred tax		(10,181)		
34	Opening RIV			241,307	
35					
36	Line charge revenue			50,912	
37					
38	Expenses cash outflow		23,825		
39	add Assets commissioned		15,378		
40	less Asset disposals		16		
41	add Tax payments		3,061		
42	less Other regulated income		29		
43	Mid-year net cash outflows			42,219	
44					
45	Term credit spread differential allowance			–	
46					
47	Total closing RAB value		261,426		
48	less Adjustment resulting from asset allocation		(0)		
49	less Lost and found assets adjustment		–		
50	plus Closing deferred tax		(12,223)		
51	Closing RIV			249,203	
52					
53	ROI – comparable to a vanilla WACC				6.86%
54					
55	Leverage (%)				42%
56	Cost of debt assumption (%)				4.33%
57	Corporate tax rate (%)				28%
58					
59	ROI – comparable to a post tax WACC				6.35%
60					

Company Name	Top Energy Ltd
For Year Ended	31 March 2019

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

This schedule requires information on the Return on Investment (ROI) for the EDB relative to the Commerce Commission's estimates of post tax WACC and vanilla WACC. EDBs must calculate their ROI based on a monthly basis if required by clause 2.3.3 of the ID Determination or if they elect to. If an EDB makes this election, information supporting this calculation must be provided in 2(iii).

EDBs must provide explanatory comment on their ROI in Schedule 14 (Mandatory Explanatory Notes).

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sch ref

2(iii): Information Supporting the Monthly ROI

Opening RIV						241,307
	Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
April	4,426	2,082	2,212	–	29	4,265
May	4,844	2,070	126	–	33	2,163
June	4,892	2,065	62	–	86	2,041
July	5,281	2,060	662	–	46	2,676
August	5,142	1,890	120	–	(373)	2,383
September	4,896	1,858	756	–	119	2,495
October	4,671	1,832	928	–	51	2,710
November	(946)	1,967	892	–	35	2,824
December	4,578	1,858	776	–	70	2,564
January	4,585	1,857	2,032	–	25	3,864
February	4,044	1,709	1,840	–	2	3,547
March	4,498	2,578	4,971	16	(96)	7,628
Total	50,912	23,825	15,378	16	29	39,159
Tax payments						3,061
Term credit spread differential allowance						–
Closing RIV						249,203

Monthly ROI – comparable to a vanilla WACC	6.97%
Monthly ROI – comparable to a post tax WACC	6.46%

2(iv): Year-End ROI Rates for Comparison Purposes

Year-end ROI – comparable to a vanilla WACC	5.55%
Year-end ROI – comparable to a post tax WACC	5.04%

\* these year-end ROI values are comparable to the ROI reported in pre 2012 disclosures by EDBs and do not represent the Commission's current view on ROI.

2(v): Financial Incentives and Wash-Ups

Net recoverable costs allowed under incremental rolling incentive scheme	–
Purchased assets – avoided transmission charge	–
Energy efficiency and demand incentive allowance	
Quality incentive adjustment	202
Other financial incentives	
Financial incentives	202
Impact of financial incentives on ROI	0.06%
Input methodology claw-back	1,855
CPP application recoverable costs	
Catastrophic event allowance	
Capex wash-up adjustment	24
Transmission asset wash-up adjustment	
2013–15 NPV wash-up allowance	691
Reconsideration event allowance	
Other wash-ups	
Wash-up costs	2,570
Impact of wash-up costs on ROI	0.78%

Company Name	Top Energy Ltd
For Year Ended	31 March 2019

SCHEDULE 3: REPORT ON REGULATORY PROFIT

This schedule requires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete all sections and provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).  
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

7	<b>3(i): Regulatory Profit</b>		((\$000))
8	<b>Income</b>		
9	Line charge revenue	50,912	
10	plus Gains / (losses) on asset disposals	(579)	
11	plus Other regulated income (other than gains / (losses) on asset disposals)	608	
12			
13	<b>Total regulatory income</b>	50,941	
14	<b>Expenses</b>		
15	less Operational expenditure	15,409	
16			
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	8,416	
18			
19	<b>Operating surplus / (deficit)</b>	27,116	
20			
21	less Total depreciation	9,155	
22			
23	plus Total revaluations	3,731	
24			
25	<b>Regulatory profit / (loss) before tax</b>	21,692	
26			
27	less Term credit spread differential allowance	–	
28			
29	less Regulatory tax allowance	5,103	
30			
31	<b>Regulatory profit/(loss) including financial incentives and wash-ups</b>	16,589	
32			
33	<b>3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups</b>		((\$000))
34	<b>Pass through costs</b>		
35	Rates	42	
36	Commerce Act levies	119	
37	Industry levies	94	
38	CPP specified pass through costs		
39	<b>Recoverable costs excluding financial incentives and wash-ups</b>		
40	Electricity lines service charge payable to Transpower	5,339	
41	Transpower new investment contract charges		
42	System operator services		
43	Distributed generation allowance	2,822	
44	Extended reserves allowance		
45	Other recoverable costs excluding financial incentives and wash-ups		
46	<b>Pass-through and recoverable costs excluding financial incentives and wash-ups</b>	8,416	
47			

Company Name	Top Energy Ltd
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### SCHEDULE 3: REPORT ON REGULATORY PROFIT

This schedule requires information on the calculation of regulatory profit for the EDB for the disclosure year. All EDBs must complete all sections and provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).

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*sch ref*

48	<b>3(iii): Incremental Rolling Incentive Scheme</b>		(\$000)	
49			CY-1	CY
50			31 Mar 18	31 Mar 19
51	Allowed controllable opex			
52	Actual controllable opex			
53				
54	Incremental change in year			
55				
56			Previous years' incremental change	Previous years' incremental change adjusted for inflation
57	CY-5	31 Mar 14		
58	CY-4	31 Mar 15		
59	CY-3	31 Mar 16		
60	CY-2	31 Mar 17		
61	CY-1	31 Mar 18		
62	<b>Net incremental rolling incentive scheme</b>			—
63				
64	<b>Net recoverable costs allowed under incremental rolling incentive scheme</b>			—
65	<b>3(iv): Merger and Acquisition Expenditure</b>		(\$000)	
70			(\$000)	
66	Merger and acquisition expenditure			
67				
68	Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)			
69	<b>3(v): Other Disclosures</b>		(\$000)	
70			(\$000)	
71	Self-insurance allowance			



This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2. EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

7 **4(i): Regulatory Asset Base Value (Rolled Forward)**

for year ended

RAB 31 Mar 15 (\$000)	RAB 31 Mar 16 (\$000)	RAB 31 Mar 17 (\$000)	RAB 31 Mar 18 (\$000)	RAB 31 Mar 19 (\$000)
199,303	216,722	224,551	237,830	251,488
8,072	8,425	8,307	8,681	9,155
167	1,268	4,864	2,616	3,731
25,379	15,017	16,730	19,745	15,378
55	31	7	22	16
–	–	–	–	–
(0)	(0)	0	(0)	(0)
216,722	224,551	237,830	251,488	261,426

Unallocated RAB *		RAB	
(\$000)	(\$000)	(\$000)	(\$000)
	251,488		251,488
	9,155		9,155
	3,731		3,731
15,378		15,378	
—		—	
	15,378		15,378
16		16	
	16		16
			(0)
	261,426		261,426

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Company Name	Top Energy Ltd
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SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2. EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref		
51		
52	4(iii): Calculation of Revaluation Rate and Revaluation of Assets	
53		
54	CPI <sub>4</sub>	1,026
55	CPI <sub>4</sub> <sup>-4</sup>	1,011
56	Revaluation rate (%)	1.48%
57		
58		
59		
60	Total opening RAB value	251,488
61	less Opening value of fully depreciated, disposed and lost assets	
62		
63	Total opening RAB value subject to revaluation	251,488
64	Total revaluations	3,731
65		
66	4(iv): Roll Forward of Works Under Construction	
67		
68	Works under construction—preceding disclosure year	7,487
69	plus Capital expenditure	14,973
70	less Assets commissioned	15,378
71	plus Adjustment resulting from asset allocation	
72	Works under construction - current disclosure year	7,081
73		
74	Highest rate of capitalised finance applied	5.98%
75		

This schedule requires information on the calculation of the Regulatory Asset Base (RAB) value to the end of this disclosure year. This informs the ROI calculation in Schedule 2. EDBs must provide explanatory comment on the value of their RAB in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

#### 4(v): Regulatory Depreciation

Unallocated RAB *		RAB	
(\$000)	(\$000)	(\$000)	(\$000)
9,155		9,155	
	9,155		9,155

## (\$000 unless otherwise specified)

[illegible]

#### 4(vii): Disclosure by Asset Category

## Distribution

	Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
<b>Total opening RAB value</b>	60,515	9,378	38,063	50,541	37,671	29,101	16,539	5,277	4,403	251,488
<i>less</i> Total depreciation	1,187	170	1,338	1,994	1,340	1,299	953	438	437	9,155
<i>plus</i> Total revaluations	896	139	563	748	558	431	245	78	74	3,731
<i>plus</i> Assets commissioned	5,975	260	87	2,775	1,668	1,140	2,034	1,111	329	15,378
<i>less</i> Asset disposals	–	–	–	–	–	–	–	16	–	16
<i>plus</i> Lost and found assets adjustment	–	–	–	–	–	–	–	–	–	–
<i>plus</i> Adjustment resulting from asset allocation	–	–	–	–	–	–	–	–	–	–
<i>plus</i> Asset category transfers	–	–	–	–	–	–	–	–	–	–
<b>Total closing RAB value</b>	66,199	9,608	37,375	52,070	38,557	29,372	17,865	6,012	4,370	261,426
<b>Asset Life</b>										
Weighted average remaining asset life	51.0	55.2	28.4	25.4	28.1	22.4	17.4	12.0	4.7	(years)
Weighted average expected total asset life	64.1	60.0	39.4	42.1	44.9	44.2	36.6	19.5	6.7	(years)

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section

7	<b>5a(i): Regulatory Tax Allowance</b>				<b>(\$000)</b>
8	<b>Regulatory profit / (loss) before tax</b>				21,692
9					
10	<i>plus</i>	Income not included in regulatory profit / (loss) before tax but taxable	—	*	
11		Expenditure or loss in regulatory profit / (loss) before tax but not deductible	6	*	
12		Amortisation of initial differences in asset values	3,399		
13		Amortisation of revaluations	1,156		
14					4,561
15					
16	<i>less</i>	Total revaluations	3,731		
17		Income included in regulatory profit / (loss) before tax but not taxable	—	*	
18		Discretionary discounts and customer rebates	—		
19		Expenditure or loss deductible but not in regulatory profit / (loss) before tax	—	*	
20		Notional deductible interest	4,296		
21					8,028
22					
23	<b>Regulatory taxable income</b>				18,226
24					
25	<i>less</i>	Utilised tax losses	—		
26		Regulatory net taxable income			18,226
27					
28		Corporate tax rate (%)	0.28		
29	<b>Regulatory tax allowance</b>				5,103

In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).

	Opening unamortised initial differences in asset values	61,184
<i>less</i>	Amortisation of initial differences in asset values	3,399
<i>plus</i>	Adjustment for unamortised initial differences in assets acquired	–
<i>less</i>	Adjustment for unamortised initial differences in assets disposed	–
	Closing unamortised initial differences in asset values	57,785
	Opening weighted average remaining useful life of relevant assets (years)	18

Company Name	Top Energy Ltd
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SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 78 of the Commerce Act 1986.

sch ref

44	5a(iv): Amortisation of Revaluations			(\$000)
45				
46	Opening sum of RAB values without revaluations	224,218		
47				
48	Adjusted depreciation	7,999		
49	Total depreciation	9,155		
50	Amortisation of revaluations		1,156	
51				
52	5a(v): Reconciliation of Tax Losses			(\$000)
53				
54	Opening tax losses	-		
55	plus Current period tax losses	-		
56	less Utilised tax losses	-		
57	Closing tax losses		-	
58	5a(vi): Calculation of Deferred Tax Balance			(\$000)
59				
60	Opening deferred tax	(10,181)		
61				
62	plus Tax effect of adjusted depreciation	2,240		
63				
64	less Tax effect of tax depreciation	3,241		
65				
66	plus Tax effect of other temporary differences*	14		
67				
68	less Tax effect of amortisation of initial differences in asset values	952		
69				
70	plus Deferred tax balance relating to assets acquired in the disclosure year	-		
71				
72	less Deferred tax balance relating to assets disposed in the disclosure year	103		
73				
74	plus Deferred tax cost allocation adjustment	-		
75				
76	Closing deferred tax		(12,223)	
77				
78	5a(vii): Disclosure of Temporary Differences			
79	In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).			
80				
81	5a(viii): Regulatory Tax Asset Base Roll-Forward			
82				(\$000)
83	Opening sum of regulatory tax asset values	136,251		
84	less Tax depreciation	11,577		
85	plus Regulatory tax asset value of assets commissioned	15,378		
86	less Regulatory tax asset value of asset disposals	384		
87	plus Lost and found assets adjustment	-		
88	plus Adjustment resulting from asset allocation	(0)		
89	plus Other adjustments to the RAB tax value	(3)		
90	Closing sum of regulatory tax asset values		139,665	

Company Name	Top Energy Ltd
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SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

This schedule provides information on the valuation of related party transactions, in accordance with clause 2.3.6 of the ID determination.  
This information is part of audited disclosure information (as defined in clause 1.4 of the ID determination), and so is subject to the assurance report required by clause 2.8.

sch ref

7	5b(i): Summary—Related Party Transactions	(\$000)	(\$000)
8	Total regulatory income		74
9			
10	Market value of asset disposals		0
11			
12	Service interruptions and emergencies	—	
13	Vegetation management	—	
14	Routine and corrective maintenance and inspection	—	
15	Asset replacement and renewal (opex)	—	
16	Network opex		0
17	Business support	534	
18	System operations and network support	350	
19	Operational expenditure		884
20	Consumer connection	—	
21	System growth	—	
22	Asset replacement and renewal (capex)	—	
23	Asset relocations	—	
24	Quality of supply	—	
25	Legislative and regulatory	—	
26	Other reliability, safety and environment	—	
27	Expenditure on non-network assets		0
28	Expenditure on assets		0
29	Cost of financing		0
30	Value of capital contributions		0
31	Value of vested assets		0
32	Capital Expenditure		0
33	Total expenditure		884
34			
35	Other related party transactions		0
36	5b(iii): Total Opex and Capex Related Party Transactions		
37			Total value of transactions (\$000)
38	Name of related party	Nature of opex or capex service provided	
38	Top Energy Ltd	Business support	534
39	Ngawha Generation Ltd (100% owned subsidiary)	System operations and network support	350
40			
41			
52			
53	Total value of related party transactions		884
54	* include additional rows if needed		
55			

SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE

This schedule is only to be completed if, as at the date of the most recently published financial statements, the weighted average original tenor of the debt portfolio (both qualifying debt and non-qualifying debt) is greater than five years.  
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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5c(i): Qualifying Debt (may be Commission only)

Issuing party	Issue date	Pricing date	Original tenor (in years)	Coupon rate (%)	Book value at issue date (NZD)	Book value at date of financial statements (NZD)	Term Credit Spread Difference	Debt issue cost readjustment
Nil								
* include additional rows if needed						—	—	—

5c(ii): Attribution of Term Credit Spread Differential

Gross term credit spread differential				—
Total book value of interest bearing debt			—	
Leverage			42%	
Average opening and closing RAB values			256,457	
Attribution Rate (%)				—
Term credit spread differential allowance				—

Company Name **Top Energy Ltd**  
 For Year Ended **31 March 2019**

## SCHEDULE 5d: REPORT ON COST ALLOCATIONS

This schedule provides information on the allocation of operational costs. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any reclassifications. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

### 5d(i): Operating Cost Allocations

		Value allocated (\$000s)				OVABAA allocation increase (\$000s)
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	
<b>Service interruptions and emergencies</b>						
	Directly attributable		1,192			
	Not directly attributable	–	–	–	–	–
	<b>Total attributable to regulated service</b>		1,192			
<b>Vegetation management</b>						
	Directly attributable		1,666			
	Not directly attributable	–	–	–	–	–
	<b>Total attributable to regulated service</b>		1,666			
<b>Routine and corrective maintenance and inspection</b>						
	Directly attributable		1,609			
	Not directly attributable	–	–	–	–	–
	<b>Total attributable to regulated service</b>		1,609			
<b>Asset replacement and renewal</b>						
	Directly attributable		843			
	Not directly attributable	–	–	–	–	–
	<b>Total attributable to regulated service</b>		843			
<b>System operations and network support</b>						
	Directly attributable		5,714			
	Not directly attributable	–	–	–	–	–
	<b>Total attributable to regulated service</b>		5,714			
<b>Business support</b>						
	Directly attributable		359			
	Not directly attributable	–	4,027	2,494	6,521	–
	<b>Total attributable to regulated service</b>		4,386			
<b>Operating costs directly attributable</b>			11,382			
<b>Operating costs not directly attributable</b>		–	4,027	2,494	6,521	–
<b>Operational expenditure</b>			15,409			



Company Name	Top Energy Ltd
For Year Ended	31 March 2019

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

This schedule provides information on the allocation of operational costs. EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any reclassifications. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref	
39	5d(ii): Other Cost Allocations
40	Pass through and recoverable costs (\$000)
41	Pass through costs
42	Directly attributable 255
43	Not directly attributable -
44	Total attributable to regulated service 255
45	Recoverable costs
46	Directly attributable 8,161
47	Not directly attributable -
48	Total attributable to regulated service 8,161
49	
50	5d(iii): Changes in Cost Allocations* †
51	
52	Change in cost allocation 1 (\$000)
53	Cost category Nil
54	Original allocator or line items
55	New allocator or line items
56	
57	Rationale for change
58	
59	
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61	Change in cost allocation 2 (\$000)
62	Cost category Nil
63	Original allocator or line items
64	New allocator or line items
65	
66	Rationale for change
67	
68	
69	
70	Change in cost allocation 3 (\$000)
71	Cost category Nil
72	Original allocator or line items
73	New allocator or line items
74	
75	Rationale for change
76	
77	
78	* a change in cost allocation must be completed for each cost allocator change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component.
79	† include additional rows if needed

Company Name

Top Energy Ltd

For Year Ended

31 March 2019

SCHEDULE 5e: REPORT ON ASSET ALLOCATIONS

This schedule requires information on the allocation of asset values. This information supports the calculation of the RAB value in Schedule 4.

EDBs must provide explanatory comment on their cost allocation in Schedule 14 (Mandatory Explanatory Notes), including on the impact of any changes in asset allocations. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

7

5e(i): Regulated Service Asset Values

Value allocated (\$000s)

Electricity distribution services

Subtransmission lines

Directly attributable

66,199

Not directly attributable

-

Total attributable to regulated service

66,199

Subtransmission cables

Directly attributable

9,608

Not directly attributable

-

Total attributable to regulated service

9,608

Zone substations

Directly attributable

37,375

Not directly attributable

-

Total attributable to regulated service

37,375

Distribution and LV lines

Directly attributable

52,070

Not directly attributable

-

Total attributable to regulated service

52,070

Distribution and LV cables

Directly attributable

38,557

Not directly attributable

-

Total attributable to regulated service

38,557

Distribution substations and transformers

Directly attributable

29,372

Not directly attributable

-

Total attributable to regulated service

29,372

Distribution switchgear

Directly attributable

17,865

Not directly attributable

-

Total attributable to regulated service

17,865

Other network assets

Directly attributable

6,012

Not directly attributable

-

Total attributable to regulated service

6,012

Non-network assets

Directly attributable

-

Not directly attributable

4,370

Total attributable to regulated service

4,370

Regulated service asset value directly attributable

257,056

Regulated service asset value not directly attributable

4,370

Total closing RAB value

261,426

51

5e(ii): Changes in Asset Allocations\* †

(\$000)

CY-1

Current Year (CY)

Change in asset value allocation 1

Asset category

-

Original allocation

-

-

Original allocator or line items

-

New allocation

-

-

New allocator or line items

-

Difference

-

-

Rationale for change

0

(\$000)

CY-1

Current Year (CY)

Change in asset value allocation 2

Asset category

-

Original allocation

-

-

Original allocator or line items

-

New allocation

-

-

New allocator or line items

-

Difference

-

-

Rationale for change

0

(\$000)

CY-1

Current Year (CY)

Change in asset value allocation 3

Asset category

-

Original allocation

-

-

Original allocator or line items

-

New allocation

-

-

New allocator or line items

-

Difference

-

-

Rationale for change

0

\* a change in asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component.

† include additional rows if needed

Company Name

For Year Ended

SCHEDULE 5f: REPORT SUPPORTING COST ALLOCATIONS

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5d (Cost allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission.

This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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Line Item*	Allocation methodology type	Cost allocator	Allocator type	Allocator Metric (%)		Value allocated (\$000)				OVABAA allocation increase (\$000)
				Electricity distribution services	Non-electricity distribution services	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	
Service interruptions and emergencies										
No Allocation	0	0	0	0	0	0	0	0	-	
0	0	0	0	0	0	0	0	0	-	
0	0	0	0	0	0	0	0	0	-	
0	0	0	0	0	0	0	0	0	-	
Not directly attributable						-	-	-	-	-
Vegetation management										
No Allocation	0	0	0	0	0	0	0	0	-	
0	0	0	0	0	0	0	0	0	-	
0	0	0	0	0	0	0	0	0	-	
0	0	0	0	0	0	0	0	0	-	
Not directly attributable						-	-	-	-	-
Routine and corrective maintenance and inspection										
No Allocation	0	0	0	0	0	0	0	0	-	
0	0	0	0	0	0	0	0	0	-	
0	0	0	0	0	0	0	0	0	-	
0	0	0	0	0	0	0	0	0	-	
Not directly attributable						-	-	-	-	-
Asset replacement and renewal										
No Allocation	0	0	0	0	0	0	0	0	-	
0	0	0	0	0	0	0	0	0	-	
0	0	0	0	0	0	0	0	0	-	
0	0	0	0	0	0	0	0	0	-	
Not directly attributable						-	-	-	-	-

Company Name

For Year Ended

SCHEDULE 5f: REPORT SUPPORTING COST ALLOCATIONS

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5d (Cost allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission.

This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

36	System operations and network support									
37	No Allocation	0	0	0	0	0	0	0	0	-
38	0	0	0	0	0	0	0	0	0	-
39	0	0	0	0	0	0	0	0	0	-
40	0	0	0	0	0	0	0	0	0	-
41	Not directly attributable						-	-	-	-
42	Business support									
43	Corporate property expenses	ABAA	Asset Book Value	Proxy	57.5%	42.5%	0	326	241	567
44	Corporate computer, telephone & PR	ABAA	Asset Book Value	Proxy	57.5%	42.5%	0	659	487	1,146
45	Executive, directors and support	ABAA	Director time spent	Causal	57.0%	43.0%	0	943	711	1,654
	Audit, insurance,admin and consultancy	ABAA	Asset Book Value	Proxy	57.5%	42.5%	0	410	304	714
	Corporate training, recruitment and welfare	ABAA	Asset Book Value	Proxy	57.5%	42.5%	0	235	174	409
	Corporate salaries for property, procurement & finance	ABAA	Time spent	Causal	72.2%	27.8%	0	1080	417	1,497
	Salaries HR corporate	ABAA	Time spent	Causal	70.0%	30.0%	0	373	160	534
46										-
47	Not directly attributable						-	4,027	2,494	6,521
48										
49	Operating costs not directly attributable						-	4,027	2,494	6,521
50										
51	Pass through and recoverable costs									
52	Pass through costs									
53	No Allocation	0	0	0	0	0	0	0	0	0
54	0	0	0	0	0	0	0	0	0	0
55	0	0	0	0	0	0	0	0	0	0
56	0	0	0	0	0	0	0	0	0	0
57	Not directly attributable						-	-	-	-
58	Recoverable costs									
59	No Allocation	0	0	0	0	0	0	0	0	0
60	0	0	0	0	0	0	0	0	0	0
61	0	0	0	0	0	0	0	0	0	0
62	0	0	0	0	0	0	0	0	0	0
63	Not directly attributable						-	-	-	-
64	* include additional rows if needed									

Company Name

For Year Ended

SCHEDULE 5g: REPORT SUPPORTING ASSET ALLOCATIONS

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5e (Report on Asset Allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission.

This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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Line Item*	Allocation methodology type	Allocator	Allocator type	Allocator Metric (%)		Value allocated (\$000)				OVABAA allocation increase (\$000)
				Electricity distribution services	Non-electricity distribution services	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	
Subtransmission lines										
Nil									-	
									-	
									-	
									-	
Not directly attributable						-	-	-	-	-
Subtransmission cables										
Nil									-	
									-	
									-	
									-	
Not directly attributable						-	-	-	-	-
Zone substations										
Nil									-	
									-	
									-	
									-	
Not directly attributable						-	-	-	-	-
Distribution and LV lines										
Nil									-	
									-	
									-	
									-	
Not directly attributable						-	-	-	-	-

Company Name

For Year Ended

SCHEDULE 5g: REPORT SUPPORTING ASSET ALLOCATIONS

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5e (Report on Asset Allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission.

This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

35	Distribution and LV cables										
36	Nil									-	
37										-	
38										-	
39										-	
40	Not directly attributable						-	-	-	-	-
41											
42	Distribution substations and transformers										
43	Nil									-	
44										-	
45										-	
46										-	
47	Not directly attributable						-	-	-	-	-
48											
49	Distribution switchgear										
50	Nil									-	
51										-	
52										-	
53										-	
54	Not directly attributable						-	-	-	-	-
55	Other network assets										
56	Nil									-	
57										-	
58										-	
59										-	
60	Not directly attributable						-	-	-	-	-
61	Non-network assets										
62	All 100% distribution based on ACAM	ACAM			100.00%			4,370		4,370	
63										-	
64										-	
65										-	
66	Not directly attributable						-	4,370	-	4,370	-
67											
68	Regulated service asset value not directly attributable						-	4,370	-	4,370	-
69	* include additional rows if needed										

Company Name	Top Energy Ltd
For Year Ended	31 March 2019

**SCHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR**

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs. EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

7	<b>6a(i): Expenditure on Assets</b>		<b>(\$000)</b>	<b>(\$000)</b>
8	Consumer connection			2,953
9	System growth			4,245
10	Asset replacement and renewal			6,029
11	Asset relocations			–
12	Reliability, safety and environment:			
13	Quality of supply	–		
14	Legislative and regulatory	–		
15	Other reliability, safety and environment	3,863		
16	<b>Total reliability, safety and environment</b>			3,863
17	<b>Expenditure on network assets</b>			17,090
18	Expenditure on non-network assets			636
19				
20	<b>Expenditure on assets</b>			17,726
21	plus Cost of financing			88
22	less Value of capital contributions			2,848
23	plus Value of vested assets			7
24				
25	<b>Capital expenditure</b>			14,973
26	<b>6a(ii): Subcomponents of Expenditure on Assets (where known)</b>			<b>(\$000)</b>
27	Energy efficiency and demand side management, reduction of energy losses			–
28	Overhead to underground conversion			–
29	Research and development			–
30	<b>6a(iii): Consumer Connection</b>			
31	<i>Consumer types defined by EDB*</i>		<b>(\$000)</b>	<b>(\$000)</b>
32	Commercial and Industrial		1,162	
33	Mass Market		1,791	
34		–		
35		–		
36		–		
37	<i>* include additional rows if needed</i>			
38	<b>Consumer connection expenditure</b>			2,953
39				
40	less Capital contributions funding consumer connection expenditure	2,848		
41	<b>Consumer connection less capital contributions</b>			105
42	<b>6a(iv): System Growth and Asset Replacement and Renewal</b>			
43				
44				
45	Subtransmission	9	449	
46	Zone substations	2,596	2	
47	Distribution and LV lines	915	4,132	
48	Distribution and LV cables	8	377	
49	Distribution substations and transformers	–	–	
50	Distribution switchgear	0	598	
51	Other network assets	717	471	
52	<b>System growth and asset replacement and renewal expenditure</b>	4,245	6,029	
53	less Capital contributions funding system growth and asset replacement and renewal	–	–	
54	<b>System growth and asset replacement and renewal less capital contributions</b>	4,245	6,029	
55				
56	<b>6a(v): Asset Relocations</b>			
57	<i>Project or programme*</i>		<b>(\$000)</b>	<b>(\$000)</b>
58	Nil	–		
59		–		
60		–		
61		–		
62		–		
63	<i>* include additional rows if needed</i>			
64	All other projects or programmes - asset relocations	–		
65	<b>Asset relocations expenditure</b>			–
66	less Capital contributions funding asset relocations	–		
67	<b>Asset relocations less capital contributions</b>			–

Company Name	Top Energy Ltd
For Year Ended	31 March 2019

**SCHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR**

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs. EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

68				
69	<b>6a(vi): Quality of Supply</b>			
70	<i>Project or programme*</i>	<b>(\$000)</b>	<b>(\$000)</b>	
71	Nil	—		
72		—		
73		—		
74		—		
75		—		
76	<i>* include additional rows if needed</i>			
77	All other projects programmes - quality of supply	—		
78	<b>Quality of supply expenditure</b>		—	
79	less Capital contributions funding quality of supply	—		
80	<b>Quality of supply less capital contributions</b>		—	
81	<b>6a(vii): Legislative and Regulatory</b>			
82	<i>Project or programme*</i>	<b>(\$000)</b>	<b>(\$000)</b>	
83	Nil	—		
84		—		
85		—		
86		—		
87		—		
88	<i>* include additional rows if needed</i>			
89	All other projects or programmes - legislative and regulatory	—		
90	<b>Legislative and regulatory expenditure</b>		—	
91	less Capital contributions funding legislative and regulatory	—		
92	<b>Legislative and regulatory less capital contributions</b>		—	
93	<b>6a(viii): Other Reliability, Safety and Environment</b>			
94	<i>Project or programme*</i>	<b>(\$000)</b>	<b>(\$000)</b>	
95	Kaitaia Generation	1,003		
96	WRR-KTA 110kV Stage 3 - Property	896		
97	KWA T1 Transformer Protection Upgrade	485		
98	Replacing switches with Entecs	267		
	Transmission Protection - Design	121		
	Move Wallis Hill Radio Base (new) - D&C	119		
	Shift NPL Fence	111		
	Distribution Transformer data logger/MDI	111		
	Wiroa-KTA 110kV planning/design - Yr 2	102		
	ADMS Associated Data Updates	73		
	Fibre install - Waipapa to Wiroa	65		
	SUB - OMA - TX protection upgrade	63		
	Network Development Secondary Assets	57		
	Lone Worker Project	52		
99	Kaitaia Generators	338		
100	<i>* include additional rows if needed</i>			
101	All other projects or programmes - other reliability, safety and environment	—		
102	<b>Other reliability, safety and environment expenditure</b>		3,863	
103	less Capital contributions funding other reliability, safety and environment	—		
104	<b>Other reliability, safety and environment less capital contributions</b>		3,863	
105				
106	<b>6a(ix): Non-Network Assets</b>			
107	<b>Routine expenditure</b>			
108	<i>Project or programme*</i>	<b>(\$000)</b>	<b>(\$000)</b>	
109	Computer Hardware	292		
110	L/Hold Buildings Fit	—		
111	Plant & Equip (Equip)	3		
112	Plant & Equip (Furn)	12		
	SCADA and Comms (Central Facilities / Communications Equipment	120		
	Software	161		
	Vehicles	47		
		—		
		—		
113		—		
114	<i>* include additional rows if needed</i>			
115	All other projects or programmes - routine expenditure	—		
116	<b>Routine expenditure</b>		636	



Company Name

Top Energy Ltd

For Year Ended

31 March 2019

SCHEDULE 6a: REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR

This schedule requires a breakdown of capital expenditure on assets incurred in the disclosure year, including any assets in respect of which capital contributions are received, but excluding assets that are vested assets. Information on expenditure on assets must be provided on an accounting accruals basis and must exclude finance costs.

EDBs must provide explanatory comment on their expenditure on assets in Schedule 14 (Explanatory Notes to Templates).

This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

117

Atypical expenditure

118

Project or programme\*

(\$000)

(\$000)

119

Nil

120

-

121

-

122

-

123

-

124

\* include additional rows if needed

125

All other projects or programmes - atypical expenditure

126

Atypical expenditure

-

127

128

Expenditure on non-network assets

636

Company Name **Top Energy Ltd**For Year Ended **31 March 2019****SCHEDULE 6b: REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR**

This schedule requires a breakdown of operational expenditure incurred in the disclosure year.

EDBs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory comment on any atypical operational expenditure and assets replaced or renewed as part of asset replacement and renewal operational expenditure, and additional information on insurance.

This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

		(\$000)	(\$000)
7	<b>6b(i): Operational Expenditure</b>		
8	Service interruptions and emergencies	1,192	
9	Vegetation management	1,666	
10	Routine and corrective maintenance and inspection	1,609	
11	Asset replacement and renewal	843	
12	<b>Network opex</b>		5,310
13	System operations and network support	5,714	
14	Business support	4,386	
15	<b>Non-network opex</b>		10,099
16			
17	<b>Operational expenditure</b>		15,409
18	<b>6b(ii): Subcomponents of Operational Expenditure (where known)</b>		
19	Energy efficiency and demand side management, reduction of energy losses		
20	Direct billing*		
21	Research and development		
22	Insurance		391
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name	Top Energy Ltd
For Year Ended	31 March 2019

## SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

This schedule compares actual revenue and expenditure to the previous forecasts that were made for the disclosure year. Accordingly, this schedule requires the forecast revenue and expenditure information from previous disclosures to be inserted.

EDBs must provide explanatory comment on the variance between actual and target revenue and forecast expenditure in Schedule 14 (Mandatory Explanatory Notes). This information is part of the audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8. For the purpose of this audit, target revenue and forecast expenditures only need to be verified back to previous disclosures.

sch ref

7	<b>7(i): Revenue</b>	<b>Target (\$000) <sup>1</sup></b>	<b>Actual (\$000)</b>	<b>% variance</b>
8	Line charge revenue	49,842	50,912	2%
9	<b>7(ii): Expenditure on Assets</b>	<b>Forecast (\$000) <sup>2</sup></b>	<b>Actual (\$000)</b>	<b>% variance</b>
10	Consumer connection	1,280	2,953	131%
11	System growth	2,176	4,245	95%
12	Asset replacement and renewal	6,348	6,029	(5%)
13	Asset relocations	—	—	—
14	Reliability, safety and environment:			
15	Quality of supply	10,699	—	(100%)
16	Legislative and regulatory	—	—	—
17	Other reliability, safety and environment	—	3,863	—
18	<b>Total reliability, safety and environment</b>	<b>10,699</b>	<b>3,863</b>	<b>(64%)</b>
19	<b>Expenditure on network assets</b>	<b>20,503</b>	<b>17,090</b>	<b>(17%)</b>
20	Expenditure on non-network assets	2,845	636	(78%)
21	Expenditure on assets	23,348	17,726	(24%)
22	<b>7(iii): Operational Expenditure</b>			
23	Service interruptions and emergencies	1,200	1,192	(1%)
24	Vegetation management	1,750	1,666	(5%)
25	Routine and corrective maintenance and inspection	1,867	1,609	(14%)
26	Asset replacement and renewal	1,120	843	(25%)
27	<b>Network opex</b>	<b>5,937</b>	<b>5,310</b>	<b>(11%)</b>
28	System operations and network support	5,206	5,714	10%
29	Business support	4,446	4,386	(1%)
30	<b>Non-network opex</b>	<b>9,652</b>	<b>10,099</b>	<b>5%</b>
31	<b>Operational expenditure</b>	<b>15,589</b>	<b>15,409</b>	<b>(1%)</b>
32	<b>7(iv): Subcomponents of Expenditure on Assets (where known)</b>			
33	Energy efficiency and demand side management, reduction of energy losses	—	—	—
34	Overhead to underground conversion	—	—	—
35	Research and development	—	—	—
36				
37	<b>7(v): Subcomponents of Operational Expenditure (where known)</b>			
38	Energy efficiency and demand side management, reduction of energy losses	—	—	—
39	Direct billing	—	—	—
40	Research and development	—	—	—
41	Insurance	251	391	56%

<sup>1</sup> From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of this determination

<sup>2</sup> From the CY+1 nominal dollar expenditure forecasts disclosed in accordance with clause 2.6.6 for the forecast period starting at the beginning of the disclosure year (the second to last disclosure of Schedules 11a and 11b)

Company Name	Top Energy Ltd
For Year Ended	31 March 2019
Network / Sub-Network Name	

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

This schedule requires the billed quantities and associated line charge revenues for each price category code used by the EDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

sch ref

8(i): Billed Quantities by Price Component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)
IND	Commercial	Non-standard	3	51,852
TOU	Commercial	Standard	56	38,066
GA	Commercial	Standard	30	3,983
LR	Residential	Standard	14,400	66,796
SR	Residential	Standard	12,240	86,510
G	Commercial	Standard	5,108	73,461
DG	Commercial	Standard	-	1,810
CAP150	Commercial	Standard	69	8,476
STL (UM)	Unmetered	Non-standard	251	948
LDG	Commercial	Non-standard	2	-
Add extra rows for additional consumer groups or price category codes as necessary				
Standard consumer totals			31,901	279,102
Non-standard consumer totals			256	52,800
Total for all consumers			32,156	331,902

Billed quantities by price component					
Price component					
	0 Fixed	Variable	0	0	0
Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)					
	0 Days	kWh	0	0	0
	-	51,852	-	-	-
	-	-	38,066	-	-
	-	-	3,983	-	-
	-	-	66,796	-	-
	-	-	86,510	-	-
	-	-	73,461	-	-
	-	-	1,810	-	-
	-	-	8,476	-	-
	-	948	-	-	-
	-	-	-	-	-
	-	-	279,102	-	-
	-	52,800	-	-	-
	-	52,800	279,102	-	-

Add extra columns for additional billed quantities by price component as necessary

Company Name

For Year Ended

Network / Sub-Network Name

Top Energy Ltd

31 March 2019

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

This schedule requires the billed quantities and associated line charge revenues for each price category code used by the EDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

8(ii): Line Charge Revenues (\$000) by Price Component

Price component

Line charge revenues (\$000) by price component

Consumer group name or price category code

Consumer type or types (eg, residential, commercial etc.)

Standard or non-standard consumer group (specify)

Total line charge revenue in disclosure year

Notional revenue foregone from posted discounts (if applicable)

Total distribution line charge revenue

Total transmission line charge revenue (if available)

Rate (eg, \$ per day, \$ per kWh, etc.)

Gross Income

Gross Income

Discount

Discount

\$/Days

\$/kWh

\$/Days

\$/kWh

IND

Commercial

Non-standard

1,884

-

1,302

582

1,905

-

(21)

-

TOU

Commercial

Standard

3,837

-

3,461

375

425

3,496

-

(85)

GA

Commercial

Standard

634

-

572

62

96

551

-

(14)

LR

Residential

Standard

11,463

-

10,342

1,122

788

13,121

-

(2,446)

SR

Residential

Standard

16,062

-

14,491

1,572

4,281

13,805

-

(2,024)

G

Commercial

Standard

15,275

-

13,780

1,494

2,237

13,798

-

(761)

CAP150

Commercial

Standard

1,352

-

1,219

132

224

1,163

-

(35)

STL (UM)

Unmetered

Non-standard

406

-

406

-

406

-

-

-

LDG

Commercial

Non-standard

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

-

Add extra rows for additional consumer groups or price category codes as necessary

Standard consumer totals

48,622

-

43,865

4,757

-

8,052

45,935

-

-

(5,365)

Non-standard consumer totals

2,290

-

1,708

582

-

2,311

-

-

(21)

-

Total for all consumers

50,912

-

45,573

5,339

-

10,363

45,935

-

(21)

(5,365)

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end

3

Check

OK

Company Name	Top Energy Ltd
For Year Ended	31 March 2019
Network / Sub-network Name	

SCHEDULE 9a: ASSET REGISTER

This schedule requires a summary of the quantity of assets that make up the network, by asset category and asset class. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref

					Items at start of	Items at end of		Data accuracy
	Voltage	Asset category	Asset class	Units	year (quantity)	year (quantity)	Net change	(1–4)
8								
9	All	Overhead Line	Concrete poles / steel structure	No.	35,031	35,139	108	3
10	All	Overhead Line	Wood poles	No.	1,547	1,413	(134)	3
11	All	Overhead Line	Other pole types	No.	4	5	1	3
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	321	320	(0)	3
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	56	56	–	3
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	21	21	(0)	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	–	–	–	4
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	–	–	–	4
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	–	–	–	4
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	–	–	–	4
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	–	–	–	4
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	–	–	–	4
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	–	–	–	4
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	–	–	–	4
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	14	14	–	4
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	2	2	–	4
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	4
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	8	8	–	3
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	12	12	–	3
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	178	178	–	3
29	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	4
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	44	44	–	4
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	43	43	–	4
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	104	104	–	4
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	–	–	–	4
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	28	29	1	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,123	2,127	4	3
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	4
37	HV	Distribution Line	SWER conductor	km	455	452	(3)	3
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	168	178	10	3
39	HV	Distribution Cable	Distribution UG PILC	km	32	32	0	3
40	HV	Distribution Cable	Distribution Submarine Cable	km	2	2	–	3
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	355	357	2	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	–	–	–	4
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	1,327	1,370	43	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	12	11	(1)	4
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	193	197	4	4
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	5,085	5,108	23	3
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	835	852	17	3
48	HV	Distribution Transformer	Voltage regulators	No.	11	12	1	4
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	28	26	(2)	3
50	LV	LV Line	LV OH Conductor	km	221	220	(1)	3
51	LV	LV Cable	LV UG Cable	km	656	663	7	3
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	319	319	(0)	3
53	LV	Connections	OH/UG consumer service connections	No.	33,061	33,407	346	2
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	463	409	(54)	4
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	–	4
56	All	Capacitor Banks	Capacitors including controls	No	20	20	–	4
57	All	Load Control	Centralised plant	Lot	2	2	–	4
58	All	Load Control	Relays	No	–	–	–	4
59	All	Civils	Cable Tunnels	km	–	–	–	4



Company Name	Top Energy Ltd
For Year Ended	31 March 2019
Network / Sub-network Name	

SCHEDULE 9b: ASSET AGE PROFILE

This schedule requires a summary of the age profile (based on year of installation) of the assets that make up the network, by asset category and asset class. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

8		Disclosure Year (year ended)		31 March 2019		Number of assets at disclosure year end by installation date																																	No. with age unknown		Items at end of year (quantity)		No. with default dates		Data accuracy	
9		Voltage	Asset category	Asset class	Units	pre-1940	1940-1949	1950-1959	1960-1969	1970-1979	1980-1989	1990-1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	unknown	year (quantity)	dates	(1-4)				
10		All	Overhead Line	Concrete poles / steel structure	No.	2	335	374	6,236	7,498	6,752	5,479	670	811	569	360	341	524	312	477	680	372	509	572	351	250	405	273	261	411	252	62	-	-	-	-	-	-	35,139	-	3					
11		All	Overhead Line	Wood poles	No.	-	19	110	252	442	177	167	27	15	7	6	6	8	10	37	20	8	80	-	4	3	2	3	2	4	4	-	-	-	-	-	-	-	-	1,413	-	3				
12		All	Overhead Line	Other pole types	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	-	-	2	-	-	1	-	-	-	-	-	-	-	5	-	4				
13		HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	-	-	5	18	107	76	35	-	-	-	0	-	1	1	-	-	2	2	32	21	2	4	12	0	1	2	-	-	-	-	-	-	-	-	320	-	3				
14		HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	-	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	56	-	4					
15		HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	0	-	8	11	0	0	-	1	-	-	-	-	-	-	-	-	21	-	4				
16		HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4					
17		HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4					
18		HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4					
19		HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4					
20		HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4					
21		HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4					
22		HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4					
23		HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4					
24		HV	Zone substation Buildings	Zone substations up to 66kV	No.	-	-	-	2	4	4	-	-	-	-	-	-	-	-	-	-	-	-	1	-	1	1	-	-	-	1	-	-	-	-	-	-	-	-	14	-	4				
25		HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	4				
26		HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4					
27		HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	1	-	2	-	-	-	-	-	-	-	-	8	-	4				
28		HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12	-	-	-	-	-	-	-	-	12	-	4				
29		HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	-	-	-	14	6	22	3	-	5	2	-	2	2	3	3	2	-	6	2	1	38	31	5	30	-	1	-	-	-	-	-	-	-	-	-	178	-	3			
30		HV	Zone substation switchgear	33kV RMU	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4					
31		HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	25	8	-	-	5	-	-	-	-	-	-	-	-	-	44	-	4			
32		HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	-	-	-	-	1	10	-	-	-	-	-	-	3	-	-	4	3	-	3	5	1	4	-	6	-	2	1	-	-	-	-	-	-	-	-	43	-	4			
33		HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	-	-	-	-	14	34	-	-	2	-	-	-	-	-	6	2	3	6	-	11	-	9	-	1	16	-	-	-	-	-	-	-	-	-	-	104	-	4			
34		HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4					
35		HV	Zone Substation Transformer	Zone Substation Transformers	No.	-	-	-	7	4	7	-	-	-	-	-	-	-	-	-	1	-	-	1	2	2	-	1	2	-	2	-	-	-	-	-	-	-	-	29	-	4				
36		HV	Distribution Line	Distribution OH Open Wire Conductor	km	2	54	116	413	495	356	290	97	61	6	11	26	33	18	11	26	9	12	25	22	7	13	8	6	1	6	4	-	-	-	-	-	-	-	2,127	-	3				
37		HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4					
38		HV	Distribution Line	SWER conductor	km	-	82	72	107	42	46	34	6	1	-	0	6	9	3	12	5	4	1	1	0	1	8	4	1	5	1	0	-	-	-	-	-	-	-	452	-	3				
39		HV	Distribution Cable	Distribution UG XLPE or PVC	km	-	-	-	0	1	2	13	26	4	2	8	11	18	11	10	17	3	5	9	10	8	2	3	2	4	6	1	-	-	-	-	-	-	-	178	-	3				
40		HV	Distribution Cable	Distribution UG PILC	km	-	-	-	0	3	6	10	7	0	0	1	1	2	2	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32	-	3				
41		HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	-	1	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	-	3				
42		HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionaliser:	No.	2	4	5	3	3	1	7	4	2	1	3	3	2	2	15	68	106	27	37	6	2	8	9	8	13	14	2	-	-	-	-	-	-	-	357	-	3				
43		HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4					
44		HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	-	22	22	143	128	68	95	30	12	4	37	20	35	37	39	46	86	61	62	40	51	30	55	54	65	115	13	-	-	-	-	-	-	-	1,370	-	3				
45		HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	-	-	-	-	-	-	2	3	-	-	2	-	-	-	-	-	-	-	-	-	1	2	-	-	-	-	-	-	-	-	-	-	-	-	11	-	3				
46		HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	-	-	-	-	-	1	4	6	1	3	5	8	19	23	12	17	1	5	16	12	13	2	10	5	17	13	4	-	-	-	-	-	-	-	197	-	3				
47		HV	Distribution Transformer	Pole Mounted Transformer	No.	11	94	181	167	359	445	1,110	155	166	87	105	158	174	196	179	198	134	150	221	112	104	111	93	121	114	144	18	-	-	-	-	-	-	-	5,108	-	3				
48		HV	Distribution Transformer	Ground Mounted Transformer	No.	-	-	1	6	26	29	127	60	31	22	46	52	75	63	38	59	21	22	33	20	14	20	19	12	25	29	3	-	-	-	-	-	-	-	852	-	3				
49		HV	Distribution Transformer	Voltage regulators	No.	-	-	-	-																																					

Company Name

For Year Ended

Network / Sub-network Name

Top Energy Ltd

31 March 2019

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

This schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref

9

Circuit length by operating voltage (at year end)

> 66kV

50kV & 66kV

33kV

SWER (all SWER voltages)

22kV (other than SWER)

6.6kV to 11kV (inclusive—other than SWER)

Low voltage (< 1kV)

Total circuit length (for supply)

Dedicated street lighting circuit length (km)

Circuit in sensitive areas (conservation areas, iwi territory etc) (km)

Overhead circuit length by terrain (at year end)

Urban

Rural

Remote only

Rugged only

Remote and rugged

Unallocated overhead lines

Total overhead length

Length of circuit within 10km of coastline or geothermal areas (where known)

Overhead circuit requiring vegetation management

Overhead (km)

Underground (km)

Total circuit length (km)

56

–

56

–

–

–

320

21

341

451

2

452

21

10

32

2,097

200

2,297

220

663

883

3,166

896

4,062

9

309

319

1,324

(% of total

Circuit length (km)

overhead length)

171

5%

2,072

65%

5

0%

659

21%

–

–

259

8%

3,166

100%

(% of total circuit

Circuit length (km)

length)

3,844

95%

(% of total

Circuit length (km)

overhead length)

372

12%



Company Name

Top Energy Ltd

For Year Ended

31 March 2019

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

This schedule requires information concerning embedded networks owned by an EDB that are embedded in another EDB’s network or in another embedded network.

sch ref

	Location *	Number of ICPs served	Line charge revenue (\$000)
8			
9	Kerikeri Retirement Centre	1	81
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			
26	* Extend embedded distribution networks table as necessary to disclose each embedded network owned by the EDB which is embedded in another EDB’s network or in another embedded network		

Company Name

Top Energy Ltd

For Year Ended

31 March 2019

Network / Sub-network Name

SCHEDULE 9e: REPORT ON NETWORK DEMAND

This schedule requires a summary of the key measures of network utilisation for the disclosure year (number of new connections including distributed generation, peak demand and electricity volumes conveyed).

sch ref

9e(i): Consumer Connections

Number of ICPs connected in year by consumer type

Consumer types defined by EDB\*

G
SR
LR
LDG
LU
0
0
0
0

Number of connections (ICPs)

237
141
88
1
1
0
0
0
0

\* include additional rows if needed

Connections total

468

Distributed generation

Number of connections made in year

161

connections

Capacity of distributed generation installed in year

0.896

MVA

9e(ii): System Demand

Maximum coincident system demand

GXP demand

45.4

plus Distributed generation output at HV and above

25.5

Maximum coincident system demand

70.9

less Net transfers to (from) other EDBs at HV and above

0.0

Demand on system for supply to consumers' connection points

70.9

Demand at time of maximum coincident demand (MW)

Electricity volumes carried

Electricity supplied from GXPs

158

less Electricity exports to GXPs

0

plus Electricity supplied from distributed generation

205

less Net electricity supplied to (from) other EDBs

0

Electricity entering system for supply to consumers' connection points

363

less Total energy delivered to ICPs

332

Electricity losses (loss ratio)

31

8.5%

Load factor

0.58

9e(iii): Transformer Capacity

Distribution transformer capacity (EDB owned)

273

Distribution transformer capacity (Non-EDB owned, estimated)

42

Total distribution transformer capacity

315

Zone substation transformer capacity

408

(MVA)

Company Name	Top Energy Ltd
For Year Ended	31 March 2019
Network / Sub-network Name	

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

8	10(i): Interruptions		
9	Interruptions by class	Number of interruptions	
10	Class A (planned interruptions by Transpower)	–	
11	Class B (planned interruptions on the network)	315	
12	Class C (unplanned interruptions on the network)	320	
13	Class D (unplanned interruptions by Transpower)	–	
14	Class E (unplanned interruptions of EDB owned generation)	–	
15	Class F (unplanned interruptions of generation owned by others)	–	
16	Class G (unplanned interruptions caused by another disclosing entity)	–	
17	Class H (planned interruptions caused by another disclosing entity)	–	
18	Class I (interruptions caused by parties not included above)	–	
19	Total	635	
20			
21	Interruption restoration	≤3Hrs	>3hrs
22	Class C interruptions restored within	172	148
23			
24	SAIFI and SAIDI by class	SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)	–	–
26	Class B (planned interruptions on the network)	1.04	215.80
27	Class C (unplanned interruptions on the network)	3.06	243.69
28	Class D (unplanned interruptions by Transpower)	–	–
29	Class E (unplanned interruptions of EDB owned generation)	–	–
30	Class F (unplanned interruptions of generation owned by others)	–	–
31	Class G (unplanned interruptions caused by another disclosing entity)	–	–
32	Class H (planned interruptions caused by another disclosing entity)	–	–
33	Class I (interruptions caused by parties not included above)	–	–
34	Total	4.10	459.5
35			
36	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	4.10	429.51
38			

Company Name	Top Energy Ltd
For Year Ended	31 March 2019
Network / Sub-network Name	

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

This schedule requires a summary of the key measures of network reliability (interruptions, SAIDI, SAIFI and fault rate) for the disclosure year. EDBs must provide explanatory comment on their network reliability for the disclosure year in Schedule 14 (Explanatory notes to templates). The SAIFI and SAIDI information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

10(ii): Class C Interruptions and Duration by Cause

Cause	SAIFI	SAIDI
Lightning	0.24	22.19
Vegetation	0.47	61.11
Adverse weather	–	–
Adverse environment	0.00	0.04
Third party interference	0.40	49.13
Wildlife	0.33	13.06
Human error	0.02	0.03
Defective equipment	0.93	66.52
Cause unknown	0.68	31.61

10(iii): Class B Interruptions and Duration by Main Equipment Involved

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.21	80.97
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	0.68	116.63
Distribution cables (excluding LV)	0.14	18.20
Distribution other (excluding LV)	–	–

10(iv): Class C Interruptions and Duration by Main Equipment Involved

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.46	44.08
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	2.56	194.99
Distribution cables (excluding LV)	0.04	4.62
Distribution other (excluding LV)	–	–

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	7	376	1.86
Subtransmission cables	–	21	–
Subtransmission other	–		
Distribution lines (excluding LV)	304	2,580	11.78
Distribution cables (excluding LV)	9	212	4.25
Distribution other (excluding LV)	–		
Total	320		

Company Name	Top Energy
For Year Ended	31/3/2019

## Schedule 14      Mandatory Explanatory Notes

*(Guidance Note: This Microsoft Word version of Schedules 14, 14a and 15 is from the Electricity Distribution Information Disclosure Determination 2012 – as amended and consolidated 3 April 2018. Clause references in this template are to that determination)*

1. This schedule requires EDBs to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.21, 2.4.22, and subclauses 2.5.1(1)(f), and 2.5.2(1)(e).
2. This schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 11 of this schedule is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.
3. Schedule 15 (Voluntary Explanatory Notes to Schedules) provides for EDBs to give additional explanation of disclosed information should they elect to do so.

### *Return on Investment (Schedule 2)*

4. In the box below, comment on return on investment as disclosed in Schedule 2. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

#### **Box 1: Explanatory comment on return on investment**

There have been no reclassifications in 2019. The monthly ROI table has been completed as the first/last 3 months are greater than 40% of annual cashflow.

### *Regulatory Profit (Schedule 3)*

5. In the box below, comment on regulatory profit for the disclosure year as disclosed in Schedule 3. This comment must include-
  - 5.1 a description of material items included in other regulated income (other than gains / (losses) on asset disposals), as disclosed in 3(i) of Schedule 3
  - 5.2 information on reclassified items in accordance with subclause 2.7.1(2).

**Box 2: Explanatory comment on regulatory profit**

A loss on disposal of \$579k and Other income of \$608k which consists of reimbursement of fault expenses received from external parties \$202.7k, Transpower loss and constraints payments \$323.1k, and reimbursement by Ngawha Generation Ltd of \$64.1k for Network injection charges and connection charges.

The discount changed from being discretionary in 2018 to being posted in 2019.

*Merger and acquisition expenses (3(iv) of Schedule 3)*

6. If the EDB incurred merger and acquisitions expenditure during the disclosure year, provide the following information in the box below-
- 6.1 information on reclassified items in accordance with subclause 2.7.1(2)
  - 6.2 any other commentary on the benefits of the merger and acquisition expenditure to the EDB.

**Box 3: Explanatory comment on merger and acquisition expenditure**

Not applicable

*Value of the Regulatory Asset Base (Schedule 4)*

7. In the box below, comment on the value of the regulatory asset base (rolled forward) in Schedule 4. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

**Box 4: Explanatory comment on the value of the regulatory asset based (rolled forward)**

There has been no change to the RAB roll forward

*Regulatory tax allowance: disclosure of permanent differences (5a(i) of Schedule 5a)*

8. In the box below, provide descriptions and workings of the material items recorded in the following asterisked categories of 5a(i) of Schedule 5a-
- 8.1 Income not included in regulatory profit / (loss) before tax but taxable;
  - 8.2 Expenditure or loss in regulatory profit / (loss) before tax but not deductible;
  - 8.3 Income included in regulatory profit / (loss) before tax but not taxable;
  - 8.4 Expenditure or loss deductible but not in regulatory profit / (loss) before tax.

**Box 5: Regulatory tax allowance: permanent differences**

Line 11 – The total comprises disallowed entertainment expenses (\$6.3k) This item falls within category 8.2 above.

*Regulatory tax allowance: disclosure of temporary differences (5a(vi) of Schedule 5a)*

9. In the box below, provide descriptions and workings of material items recorded in the asterisked category 'Tax effect of other temporary differences' in 5a(vi) of Schedule 5a.

**Box 6: Tax effect of other temporary differences (current disclosure year)**

Line 66 - The total of \$14k comprises timing differences arising from the movement in payroll accruals between the beginning and end of the year to 31 March 2019 (\$14k), multiplied by the tax rate of 28%.

*Cost allocation (Schedule 5d)*

10. In the box below, comment on cost allocation as disclosed in Schedule 5d. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

**Box 7: Cost allocation**

No changes to methodology have been made to cost allocations during the period.

*Asset allocation (Schedule 5e)*

11. In the box below, comment on asset allocation as disclosed in Schedule 5e. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

**Box 8: Commentary on asset allocation**

There are no allocations due to using ACAM.

*Capital Expenditure for the Disclosure Year (Schedule 6a)*

12. In the box below, comment on expenditure on assets for the disclosure year, as disclosed in Schedule 6a. This comment must include-

- 12.1 a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;
- 12.2 information on reclassified items in accordance with subclause 2.7.1(2).

**Box 9: Explanation of capital expenditure for the disclosure year**

The Top Energy Asset Management Plan identifies a program of work consisting of a set of defined projects which are to be undertaken in any financial year. These projects are the basis on which the year's disclosed CAPEX expenditure is based. All projects are identified by the asset classification (transmission, distribution, substations etc) and type of work (system growth, relocation, replacement etc).

There are two categories in the schedule for quality of supply. The targeted Quality of Supply capex expenditure of (\$10.9k) was for both reactive (unplanned) and planned. As there was no reactive capex in 2019, the planned projects were undertaken and grouped as 'other reliability and safety' and 'system growth'.

Capital Expenditure was 25% under budget due to some delayed projects including,

- Kaitaia Generation.
- Taipa Metering.
- Mt Pokaka Protection Cabinets.

For non-network assets, assets are grouped into the respective asset category.

The materiality threshold has not been changed and is \$50k

No information has been reclassified.

***Operational Expenditure for the Disclosure Year (Schedule 6b)***

13. In the box below, comment on operational expenditure for the disclosure year, as disclosed in Schedule 6b. This comment must include-

13.1 Commentary on assets replaced or renewed with asset replacement and renewal operational expenditure, as reported in 6b(i) of Schedule 6b;

13.2 Information on reclassified items in accordance with subclause 2.7.1(2);

13.3 Commentary on any material atypical expenditure included in operational expenditure disclosed in Schedule 6b, a including the value of the expenditure the purpose of the expenditure, and the operational expenditure categories the expenditure relates to.



**Box 10: Explanation of operational expenditure for the disclosure year**

A combination of delivery improvements and a reduction in forecast fault events contributed to an 11% underspend for Network Opex.

Top Energy reports all Fault and Emergency asset replacement as CAPEX under asset replacement. Only the activities; of locating, looking for, finding a fault or a defected item of equipment and repair of that equipment are reported as OPEX.

Overall the Network Operating expenses were under target (11%).

No items were re-classified in the Disclosure Year.

No atypical operational expenditure was incurred.

There are other related party transactions that do not fall within the scope of S5b as they are not defined as opex or capex. This includes avoided cost of transmission charges and a recovery of connection charges from Transpower.

*Variance between forecast and actual expenditure (Schedule 7)*

14. In the box below, comment on variance in actual to forecast expenditure for the disclosure year, as reported in Schedule 7. This comment must include information on reclassified items in accordance with subclause 2.7.1(2).

**Box 11: Explanatory comment on variance in actual to forecast expenditure**

Project programming necessitated the shift of some project work forward and others backward from FYE 2019 to FYE 2020 and vice versa. This change of project mix created some additional variance between project categories and the actual CAPEX spend for the year.

Overall Expenditure on Assets was 24 % under forecast

1. An increase in new connections during the year contributed to higher consumer connection spend. Hence the significant 131% increase in consumer connection expenditure.
2. Project programming necessitated the shift of some project work forward and others backward from FYE 2019 to FYE 2020 and vice versa. This change of project mix created some additional variance between project categories and the actual CAPEX spend for the year. Variances to the Safety and Environment and Asset Replacement and Renewal categories are due to revised project timelines from carrying projects or part projects over from the preceding financial year

Overall Operating expenses were slightly under target (1%).

*Information relating to revenues and quantities for the disclosure year*

15. In the box below provide-

- 15.1 a comparison of the target revenue disclosed before the start of the disclosure year, in accordance with clause 2.4.1 and subclause 2.4.3(3) to total billed line charge revenue for the disclosure year, as disclosed in Schedule 8; and
- 15.2 explanatory comment on reasons for any material differences between target revenue and total billed line charge revenue.

**Box 12: Explanatory comment relating to revenue for the disclosure year**

Price structure categories are Industrial, Commercial and Residential, which has been grouped as low user or standard. Changes made to the price category structure from 1 April 2016 have been used in schedule 8. CAP150 has been discontinued on 31 March 2019.

The forecast revenue is \$49,842k which was 2 % less than actual \$50,912k. A posted discount was paid out in October 2019 for \$5,385k and does make up part of the line revenue.

*Network Reliability for the Disclosure Year (Schedule 10)*

16. In the box below, comment on network reliability for the disclosure year, as disclosed in Schedule 10.

**Box 13: Commentary on network reliability for the disclosure year**

No disclosure required per the exemption dated 22 August 2019.

*Insurance cover*

17. In the box below, provide details of any insurance cover for the assets used to provide electricity distribution services, including-
- 17.1 The EDB's approaches and practices in regard to the insurance of assets used to provide electricity distribution services, including the level of insurance;
- 17.2 In respect of any self insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

**Box 14: Explanation of insurance cover**

Insurance is obtained for assets of a material nature that are contained in one location. For example, substation assets are insured; however individual poles and conductor/cable across the network are not. Inventory and critical spares are also insured due to common storage locations. Insurance levels are approx. \$104million.

A major event that would affect assets that are self-insured (poles and conductor/cables) would require additional debt facilities to be obtained. There is no reinsurance.

*Amendments to previously disclosed information*

18. In the box below, provide information about amendments to previously disclosed information disclosed in accordance with clause 2.12.1 in the last 7 years, including:
- 18.1 a description of each error; and
- 18.2 for each error, reference to the web address where the disclosure made in accordance with clause 2.12.1 is publicly disclosed.

**Box 15: Disclosure of amendment to previously disclosed information**

There were no amendments to previously disclosed information

Company Name	<u>Top Energy</u>
For Year Ended	<u>2019</u>

## **Schedule 14a      Mandatory Explanatory Notes on Forecast Information**

*(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012 – as amended and consolidated 3 April 2018.)*

1. This Schedule requires EDBs to provide explanatory notes to reports prepared in accordance with clause 2.6.6.
2. This Schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.2. This information is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.

*Commentary on difference between nominal and constant price capital expenditure forecasts (Schedule 11a)*

3. In the box below, comment on the difference between nominal and constant price capital expenditure for the current disclosure year and 10 year planning period, as disclosed in Schedule 11a.

<p><b>Box 1: Commentary on difference between nominal and constant price capital expenditure forecasts</b> The inflators used are consistent with those used by the Commission in its DPP Determination.</p>
--

*Commentary on difference between nominal and constant price operational expenditure forecasts (Schedule 11b)*

4. In the box below, comment on the difference between nominal and constant price operational expenditure for the current disclosure year and 10 year planning period, as disclosed in Schedule 11b.

<p><b>Box 2: Commentary on difference between nominal and constant price operational expenditure forecasts</b> The inflators used are consistent with those used by the Commission in its DPP Determination.</p>
--

Company Name	Top Energy Ltd
For Year Ended	2019

## **Schedule 15      Voluntary Explanatory Notes**

*(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012 – as amended and consolidated 3 April 2018.)*

1. This schedule enables EDBs to provide, should they wish to-
  - 1.1 additional explanatory comment to reports prepared in accordance with clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1 and 2.5.2;
  - 1.2 information on any substantial changes to information disclosed in relation to a prior disclosure year, as a result of final wash-ups.
2. Information in this schedule is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.
3. Provide additional explanatory comment in the box below.

### **Box 1: Voluntary explanatory comment on disclosed information**

No substantial changes have been made to information disclosed in 2019

#### Reliability Commentary

There has been no change to the methodology used to acquire and record customer outages for the 2019 Information Disclosure.

SAIFI is based on the total customers who experienced an outage (>1 min) for each incident/event. We have not included/calculated SAIFI for multiple outages/restorations within each incident as part of the fault finding process, nor are our quality targets set based on this approach. A separate interruption is calculated for any follow-up work (if required).

Quality performance was within the regulatory targets for SAIDI and SAIFI. There were no Major Event Days.

33kV sub-transmission ring circuits have been completed as part of our Network investment programme to provide a more reliable supply to many of our zone substations.

## Directors Certificate

### Certification for Year-end Disclosures

#### Clause 2.9.2

#### Electricity Distribution Information Disclosure Determination 2012

We, Euan Richard Krogh and David Alexander Sullivan, being directors of Top Energy Limited certify that, having made all reasonable enquiry, to the best of our knowledge –

- a) The information prepared for the purposes of clauses 2.3.1, 2.3.2, 2.4.21, 2.4.22, 2.5.1, 2.5.2 and 2.7.1 of the Electricity Distribution Information Disclosure Determination 2012 in all material respects complies with that determination; and
- b) The historical information used in the preparation of Schedules 8, 9a, 9b, 9c, 9d, 9e, 10 and 14 has been properly extracted from Top Energy's accounting and other records sourced from its financial and non-financial systems, and that sufficient records have been retained.
- c) In respect of information concerning assets, costs and revenues valued or disclosed in accordance with clause 2.3.6 of the Electricity Distribution Information Disclosure Determination 2012 and clauses 2.2.11(1)(g) and 2.2.11(5) of the Electricity Distribution Services Input Methodologies Determination 2012, we are satisfied that:
  - i. the costs and values of assets or goods or services acquired from a related party comply, in all material respects with clauses 2.3.6(1) and 2.3.6(3) of the Electricity Distribution Information Disclosure Determination 2012 and clauses 2.2.11(1)(g) and 2.2.11(5)(a)-2.2.11(5)(b) of the Electricity Distribution Services Input Methodologies Determination 2012; and
  - ii. the value of assets or good or services sold or supplied to a related party comply, in all material respects with clause 2.3.6(2) of the Electricity Distribution Information Disclosure Determination 2012.



E R Krogh



D A Sullivan

27 August 2019



**AN UNMODIFIED AUDIT REPORT OF THE INDEPENDENT AUDITOR FOR AN ELECTRICITY DISTRIBUTION BUSINESS REPORTING UNDER THE ELECTRICITY DISTRIBUTION INFORMATION DISCLOSURE DETERMINATION 2012 (CONSOLIDATED 3 APRIL 2018)**

**INDEPENDENT ASSURANCE REPORT**

**TO THE DIRECTORS OF TOP ENERGY AND THE COMMERCE COMMISSION**

The Auditor-General is the auditor of Top Energy (the Company). The Auditor-General has appointed me, Andrew Burgess, using the staff and resources of Deloitte Limited, to provide an opinion, on his behalf, on:

- whether the information required to be disclosed in accordance with the Electricity Distribution Information Disclosure Determination 2012 ('the Information Disclosure Determination') for the disclosure year ended 31 March 2019, has been prepared, in all material respects, in accordance with the Information Disclosure Determination.

The disclosure information required to be reported by the Company, and audited by the Auditor-General, under the Information Disclosure Determination, is in schedules 1 to 4, 5a to 5g, 6a and 6b, 7, the disclosure in schedule 5b that shows the connection between the Electricity Distribution Business (EDB) and the related parties with which it has had related party transactions in the disclosure year and the explanatory notes in boxes 1 to 11 in Schedule 14 ('the Disclosure Information').

- whether the Company's basis for valuation of related party transactions ('the Related Party Transaction Information') for the disclosure year ended 31 March 2019, has been prepared, in all material respects, in accordance with clause 2.3.6 of the Information Disclosure Determination, and clauses 2.2.11(1)(g) and 2.2.11(5) of the Electricity Distribution Services Input Methodologies Determination 2012 ('the Input Methodologies Determination').

**Opinion**

In our opinion:

- as far as appears from an examination of them, proper records to enable the complete and accurate compilation of the Disclosure Information have been kept by the Company;
- as far as appears from an examination, the information used in the preparation of the Disclosure Information has been properly extracted from the Company's accounting and other records and has been sourced, where appropriate, from the Company's financial and non-financial systems;
- the Disclosure Information complies, in all material respects, with the Information Disclosure Determination; and
- the Related Party Transaction Information complies, in all material respects, with the Information Disclosure Determination and the Input Methodologies Determination.

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

**Basis for opinion**

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

These standards require that we comply with ethical requirements and plan and perform our assurance engagement to provide reasonable assurance about whether the Disclosure Information has been prepared, in all material respects, with the Information Disclosure Determination, and about whether the Related Party Transaction Information has been prepared, in all material respects, with the Information Disclosure Determination and the Input Methodologies Determination. Reasonable assurance is a high level of assurance.

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

## Scope and inherent limitations

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

We did not examine every transaction, adjustment or event underlying the Disclosure Information or the Related Party Transaction Information, nor do we guarantee complete accuracy of the Disclosure Information or the Related Party Transaction Information. Also we did not evaluate the security and controls over the electronic publication of the Disclosure Information or the Related Party Transaction Information.

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

## Key Audit Matters

Key audit matters are those matters that, in our professional judgement, required significant attention when carrying out the assurance engagement during the current disclosure year. These matters were addressed in the context of our audit, and in forming our opinion. We do not provide a separate opinion on these matters.

Key audit matter	How our procedures addressed the key audit matter
<p>Cost Allocations</p> <p>The Information Disclosure Determination and the Input Methodologies Determination require the disclosure of information concerning the supply of electricity distribution services (regulated services). The Company also supplies customers with unregulated services such as contracting services.</p> <p>Costs that relate to electricity distribution services regulated under the Information Disclosure Determination and the Input Methodologies Determination should comprise:</p> <ul style="list-style-type: none"> <li>all of the costs directly attributable to the supply of electricity distribution services; and</li> <li>an allocated portion of the costs that are not directly attributable.</li> </ul> <p>The Input Methodologies Determination sets out the rules and processes for allocating not directly attributable costs. A number of screening tests apply which should be</p>	<p>We have obtained an understanding of the Company's cost allocation processes and the method applied.</p> <p>Our procedures over cost allocation included:</p> <ul style="list-style-type: none"> <li>reconciling the regulated and unregulated financial information (which is included in separate business unit trial balances) to the audited financial statements for the year ended 31 March 2019;</li> <li>reviewing the cost allocation by business unit, based on their nature and on our understanding of the business, to determine the reasonableness of the directly attributable costs by business unit;</li> <li>assessing the reasonableness of the cost allocator and the resulting percentage allocation to regulated business; and</li> <li>examining the method applied by the company for allocating not directly attributable costs and assessing if the method complies with the Information Disclosure Determination and the Input Methodologies Determination.</li> </ul>



Key audit matter	How our procedures addressed the key audit matter
<p>considered when deciding on the appropriate allocation method.</p> <p>Given the judgement involved in the application of the method for allocating not directly attributable costs to the Company's regulated services, we consider this to be a key audit matter.</p>	
<p><b>Assessment of related-party transactions</b></p> <p>The Information Disclosure Determination and the Input Methodologies Determination place a requirement on the Company to consider whether transactions should be related-party transactions.</p> <p>Schedule 5b lists all related parties and related party transactions applicable for the disclosure year under review.</p> <p>Assessment of related-party transactions is a key audit matter because it is determined by applying complex rules as set out in Commerce Commission requirements and involves considerable judgement by company personnel.</p>	<p>We have obtained an understanding of the company's approach to assessing related-party transactions in accordance with the Information Disclosure Determination and the Input Methodologies Determination.</p> <p>The procedures we have carried out to satisfy ourselves that related-party transactions are appropriately identified and considered as related-party transactions include:</p> <ul style="list-style-type: none"> <li>• challenging whether all related party transactions had been included by comparing to our understanding of Top Energy's business model;</li> <li>• challenging whether the contracting division should be considered as part of the business or whether the transactions between the contracting division and network division are related party transactions;</li> <li>• ensuring that all relevant related party transactions recorded for financial reporting purposes have been correctly identified and disclosed where required.</li> </ul>

## Directors' responsibility for the preparation of the Disclosure Information and Related Party Transaction Information

The directors of the Company are responsible for:

- the preparation of the Disclosure Information in accordance with the Information Disclosure Determination, and
- the Related Party Transaction Information in accordance with the Information Disclosure Determination and the Input Methodologies Determination,

and for such internal control as the directors determine is necessary to enable the preparation of the Disclosure Information and the Related Party Transaction Information that are free from material misstatement.

## Our responsibility for the audit of the Disclosure Information and the Related Party Transaction Information

Our responsibility is to express an opinion that provides reasonable assurance on whether:

- the Disclosure Information has been prepared, in all material respects, in accordance with the Information Disclosure Determination; and
- the Related Party Transaction Information has been prepared, in all material respects, in accordance with the Information Disclosure Determination and the Input Methodologies Determination.

## Independence and quality control

When carrying out the engagement, we complied with:

- the Auditor-General's independence and other ethical requirements, which incorporate the independence and ethical requirements of Professional and Ethical Standard 1 (Revised) issued by the New Zealand Auditing and Assurance Standards Board;
- the independence requirements specified in the Information Disclosure Determination; and
- the Auditor-General's 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, and 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 business, this engagement, and the annual audit of the Company's financial statements, we have no relationship with or interests in the Company.

## Use of this report

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



Andrew Burgess  
**Deloitte Limited**  
**On behalf of the Auditor-General**  
Auckland, New Zealand  
27 August 2019