



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

**For the Assessment Period:
1 April 2019 to 31 March 2020**



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

Company Name

Top Energy Ltd

Disclosure Date

31 August 2020

Disclosure Year (year ended)

31 March 2020

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

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Disclosure Template Instructions

These templates have been prepared for use by EDBs when making disclosures under clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1, and 2.5.2 of the Electricity Distribution Information Disclosure Determination 2012.

Company Name and Dates

To prepare the templates for disclosure, the supplier's company name should be entered in cell C8, the date of the last day of the current (disclosure) year should be entered in cell C12, and the date on which the information is disclosed should be entered in cell C10 of the CoverSheet worksheet.

The cell C12 entry (current year) is used to calculate disclosure years in the column headings that show above some of the tables and in labels adjacent to some entry cells. It is also used to calculate the 'For year ended' date in the template title blocks (the title blocks are the light green shaded areas at the top of each template).

The cell C8 entry (company name) is used in the template title blocks.

Dates should be entered in day/month/year order (Example -"1 April 2013").

Data Entry Cells and Calculated Cells

Data entered into this workbook may be entered only into the data entry cells. Data entry cells are the bordered, unshaded areas (white cells) in each template. Under no circumstances should data be entered into the workbook outside a data entry cell.

In some cases, where the information for disclosure is able to be ascertained from disclosures elsewhere in the workbook, such information is disclosed in a calculated cell.

Validation Settings on Data Entry Cells

To maintain a consistency of format and to help guard against errors in data entry, some data entry cells test keyboard entries for validity and accept only a limited range of values. For example, entries may be limited to a list of category names, to values between 0% and 100%, or either a numeric entry or the text entry "N/A". Where this occurs, a validation message will appear when data is being entered. These checks are applied to keyboard entries only and not, for example, to entries made using Excel's copy and paste facility.

Conditional Formatting Settings on Data Entry Cells

Schedule 2 cells G79 and I79:L79 will change colour if the total cashflows do not equal the corresponding values in table 2(ii).

Schedule 4 cells P99:P105 and P107 will change colour if the RAB values do not equal the corresponding values in table 4(ii).

Schedule 9b columns AA to AE (2013 to 2017) contain conditional formatting. The data entry cells for future years are hidden (are changed from white to yellow).

Schedule 9b cells AG10 to AG60 will change colour if the total assets at year end for each asset class does not equal the corresponding values in column I in Schedule 9a.

Schedule 9c cell G30 will change colour if G30 (overhead circuit length by terrain) does not equal G18 (overhead circuit length by operating voltage).

Inserting Additional Rows and Columns

The templates for schedules 4, 5b, 5c, 5d, 5e, 6a, 8, 9d, and 9e may require additional rows to be inserted in tables marked 'include additional rows if needed' or similar. Column A schedule references should not be entered in additional rows, and should be deleted from additional rows that are created by copying and pasting rows that have schedule references.

Additional rows in schedules 5c, 6a, and 9e must not be inserted directly above the first row or below the last row of a table. This is to ensure that entries made in the new row are included in the totals.

Schedules 5d and 5e may require new cost or asset category rows to be inserted in allocation change tables 5d(iii) and 5e(ii). Accordingly, cell protection has been removed from rows 77 and 78 of the respective templates to allow blocks of rows to be copied. The four steps to add new cost category rows to table 5d(iii) are: Select Excel rows 69:77, copy, select Excel row 78, insert copied cells. Similarly, for table 5e(ii): Select Excel rows 70:78, copy, select Excel row 79, then insert copied cells.

The template for schedule 8 may require additional columns to be inserted between column P and U. To avoid interfering with the title block entries, these should be inserted to the left of column S. If inserting additional columns, the formulas for standard consumers total, non-standard consumers totals and total for all consumers will need to be copied into the cells of the added columns. The formulas can be found in the equivalent cells of the existing columns.

Disclosures by Sub-Network

If the supplier has sub-networks, schedules 8, 9a, 9b, 9c, 9e, and 10 must be completed for the network and for each sub-network. A copy of the schedule worksheet(s) must be made for each sub-network and named accordingly.

Schedule References

The references labelled 'sch ref' in the leftmost column of each template are consistent with the row references in the Electricity Distribution ID Determination 2012 (as issued on 21 December 2017). They provide a common reference between the rows in the determination and the template.

Description of Calculation References

Calculation cell formulas contain links to other cells within the same template or elsewhere in the workbook. Key cell references are described in a column to the right of each template. These descriptions are provided to assist data entry. Cell references refer to the row of the template and not the schedule reference.

Worksheet Completion Sequence

Calculation cells may show an incorrect value until precedent cell entries have been completed. Data entry may be assisted by completing the schedules in the following order:

1. Coversheet
2. Schedules 5a–5e
3. Schedules 6a–6b
4. Schedule 8
5. Schedule 3
6. Schedule 4
7. Schedule 2
8. Schedule 7
9. Schedules 9a–9e
10. Schedule 10

Company Name	Top Energy Ltd
For Year Ended	31 March 2020

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	58,021	587	269,317	4,706	68,492
Network	19,200	194	89,122	1,557	22,665
Non-network	38,821	393	180,195	3,149	45,827
Expenditure on assets	115,101	1,165	534,268	9,336	135,874
Network	105,609	1,069	490,210	8,566	124,670
Non-network	9,492	96	44,058	770	11,205

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1(iii): Revenue metrics

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
Total consumer line charge revenue	168,446	1,705
Standard consumer line charge revenue	189,824	1,646
Non-standard consumer line charge revenue	47,115	9,456

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Company Name	Top Energy Ltd
For Year Ended	31 March 2020

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).

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	2(i): Return on Investment		CY-2	CY-1	Current Year CY
8			31 Mar 18	31 Mar 19	31 Mar 20
9	ROI – comparable to a post tax WACC		%	%	%
10	Reflecting all revenue earned		6.78%	6.35%	7.52%
11	Excluding revenue earned from financial incentives		6.81%	6.29%	7.52%
12	Excluding revenue earned from financial incentives and wash-ups		6.04%	5.51%	6.72%
13					
14	Mid-point estimate of post tax WACC		5.04%	4.75%	4.27%
15	25th percentile estimate		4.36%	4.07%	3.59%
16	75th percentile estimate		5.72%	5.43%	4.95%
17					
18					
19	ROI – comparable to a vanilla WACC				
20	Reflecting all revenue earned		7.37%	6.86%	7.94%
21	Excluding revenue earned from financial incentives		7.40%	6.80%	7.94%
22	Excluding revenue earned from financial incentives and wash-ups		6.63%	6.02%	7.14%
23					
24	WACC rate used to set regulatory price path		7.19%	7.19%	7.19%
25					
26	Mid-point estimate of vanilla WACC		5.60%	5.26%	4.69%
27	25th percentile estimate		4.92%	4.58%	4.01%
28	75th percentile estimate		6.29%	5.94%	5.37%
29					
30	2(ii): Information Supporting the ROI			(\$000)	
31					
32	Total opening RAB value		261,426		
33	plus Opening deferred tax		(12,223)		
34	Opening RIV			249,203	
35					
36	Line charge revenue			55,478	
37					
38	Expenses cash outflow		27,378		
39	add Assets commissioned		22,856		
40	less Asset disposals		990		
41	add Tax payments		4,194		
42	less Other regulated income		772		
43	Mid-year net cash outflows			52,666	
44					
45	Term credit spread differential allowance			–	
46					
47	Total closing RAB value		280,006		
48	less Adjustment resulting from asset allocation		(193)		
49	less Lost and found assets adjustment		–		
50	plus Closing deferred tax		(13,719)		
51	Closing RIV			266,480	
52					
53	ROI – comparable to a vanilla WACC				7.94%
54					
55	Leverage (%)				42%
56	Cost of debt assumption (%)				3.61%
57	Corporate tax rate (%)				28%
58					
59	ROI – comparable to a post tax WACC				7.52%
60					

Company Name	Top Energy Ltd
For Year Ended	31 March 2020

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).

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

2(iii): Information Supporting the Monthly ROI

Opening RIV	249,203					
	Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
April	4835	2353	1460	0	10	3,803
May	5094	2280	33	0	24	2,289
June	5129	2177	158	0	88	2,247
July	5615	2249	2067	0	42	4,274
August	5537	2473	6815	0	66	9,222
September	5318	2297	1029	0	94	3,233
October	5109	2625	458	990	50	2,043
November	-698	2253	709	0	40	2,922
December	5063	2045	345	0	140	2,250
January	5055	2165	301	0	46	2,420
February	4563	2291	2174	0	55	4,411
March	4859	2170	7305	0	118	9,358
Total	55,478	27,378	22,855.730	990	772	48,472
Tax payments	4,194					
Term credit spread differential allowance	-					
Closing RIV	266,480					
Monthly ROI – comparable to a vanilla WACC	8.04%					
Monthly ROI – comparable to a post tax WACC	7.61%					

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

Year-end ROI – comparable to a vanilla WACC	6.66%
Year-end ROI – comparable to a post tax WACC	6.24%

* 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	2
Other financial incentives	-
Financial incentives	2
Impact of financial incentives on ROI	0.00%
Input methodology claw-back	1,968
CPP application recoverable costs	-
Catastrophic event allowance	-
Capex wash-up adjustment	26
Transmission asset wash-up adjustment	-
2013–15 NPV wash-up allowance	733
Reconsideration event allowance	-
Other wash-ups	-
Wash-up costs	2,727
Impact of wash-up costs on ROI	0.80%

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.

3(i): Regulatory Profit		(\$000)
	Income	
	Line charge revenue	55,478
plus	Gains / (losses) on asset disposals	(17)
plus	Other regulated income (other than gains / (losses) on asset disposals)	788
	Total regulatory income	56,250
	Expenses	
less	Operational expenditure	19,109
less	Pass-through and recoverable costs excluding financial incentives and wash-ups	8,269
	Operating surplus / (deficit)	28,872
less	Total depreciation	9,683
plus	Total revaluations	6,589
	Regulatory profit / (loss) before tax	25,778
less	Term credit spread differential allowance	—
less	Regulatory tax allowance	5,689
	Regulatory profit/(loss) including financial incentives and wash-ups	20,090

(\$000)

Rates	51
Commerce Act levies	124
Industry levies	98
CPP specified pass through costs	—

Electricity lines service charge payable to Transpower	5,242
Transpower new investment contract charges	—
System operator services	2,753
Distributed generation allowance	—
Extended reserves allowance	—
Other recoverable costs excluding financial incentives and wash-ups	—

8,269

Company Name	Top Energy Ltd
For Year Ended	31 March 2020

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

48	3(iii): Incremental Rolling Incentive Scheme		(\$000)	
49			CY-1	CY
50			31 Mar 19	31 Mar 20
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	#####	-	-
58	CY-4	#####	-	-
59	CY-3	#####	-	-
60	CY-2	#####	-	-
61	CY-1	#####	-	-
62	Net incremental rolling incentive scheme			-
63				
64	Net recoverable costs allowed under incremental rolling incentive scheme			-
65	3(iv): Merger and Acquisition Expenditure		(\$000)	
70				
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	3(v): Other Disclosures		(\$000)	
70				
71	Self-insurance allowance			-

Company Name	Top Energy Ltd
For Year Ended	31 March 2020

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									
7	4(i): Regulatory Asset Base Value (Rolled Forward)								
8			for year ended	RAB	RAB	RAB	RAB	RAB	
9				31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20	
10				(\$000)	(\$000)	(\$000)	(\$000)	(\$000)	
11									
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4(i): Regulatory Asset Base Value (Rolled Forward)

	RAB	RAB	RAB	RAB	RAB
	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20
	(\$000)	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	216,722	224,551	237,830	251,488	261,426
less Total depreciation	8,425	8,307	8,681	9,155	9,683
plus Total revaluations	1,268	4,864	2,616	3,731	6,589
plus Assets commissioned	15,017	16,730	19,745	15,378	22,856
less Asset disposals	31	7	22	16	990
plus Lost and found assets adjustment	-	-	-	-	-
plus Adjustment resulting from asset allocation	(0)	0	(0)	(0)	(193)
Total closing RAB value	224,551	237,830	251,488	261,426	280,006

4(ii): Unallocated Regulatory Asset Base

	Unallocated RAB *		RAB
	(\$000)	(\$000)	(\$000)
Total opening RAB value		261,426	261,426
less Total depreciation		9,723	9,683
plus Total revaluations		6,594	6,589
plus Assets commissioned (other than below)	22,898		22,856
Assets acquired from a regulated supplier	-		-
Assets acquired from a related party	-		-
Assets commissioned		22,898	22,856
less Asset disposals (other than below)	990		990
Asset disposals to a regulated supplier	-		-
Asset disposals to a related party	-		-
Asset disposals		990	990
plus Lost and found assets adjustment		-	-
plus Adjustment resulting from asset allocation			(193)
Total closing RAB value		280,205	280,006

* The 'unallocated RAB' is the total value of those assets used wholly or partially to provide electricity distribution services without any allowance being made for the allocation of costs to services provided by the supplier that are not electricity distribution services. The RAB value represents the value of these assets after applying this cost allocation. Neither value includes works under construction.

Company Name	Top Energy Ltd
For Year Ended	31 March 2020

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 ₄			1,052
55		CPI ₄ ⁻⁴			1,026
56		Revaluation rate (%)			2.53%
57					
58					
59			Unallocated RAB *	RAB	
60			(\$000)	(\$000)	(\$000)
61		Total opening RAB value	261,426	261,426	
62	less	Opening value of fully depreciated, disposed and lost assets	1,223	1,416	
63		Total opening RAB value subject to revaluation	260,203	260,010	
64		Total revaluations		6,594	6,589
65					
66		4(iv): Roll Forward of Works Under Construction			
67					
68		Works under construction—preceding disclosure year			
69	plus	Capital expenditure	36,529	36,529	
70	less	Assets commissioned	22,898	22,856	
71	plus	Adjustment resulting from asset allocation		(43)	
72		Works under construction - current disclosure year		20,711	20,711
73					
74		Highest rate of capitalised finance applied			6.28%
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.

76 **4(v): Regulatory Depreciation**

Unallocated RAB *		RAB	
(\$000)	(\$000)	(\$000)	(\$000)
9,723		9,683	
—		—	
—		—	
—		—	
	9,723		9,683

(\$000 unless otherwise specified)

[illegible]

* include additional rows if needed

(\$000 unless otherwise specified)

		Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
Total opening RAB value		66,199	9,608	37,375	52,070	38,557	29,372	17,865	6,012	4,370	261,426
<i>less</i>	Total depreciation	1,262	178	1,401	2,083	1,398	1,344	1,023	572	423	9,683
<i>plus</i>	Total revaluations	1,677	243	946	1,320	974	744	453	152	79	6,589
<i>plus</i>	Assets commissioned	3,777	3	32	3,399	531	1,229	9,677	202	4,005	22,855.73
<i>less</i>	Asset disposals	–	–	–	–	–	–	–	7	982	990
<i>plus</i>	Lost and found assets adjustment	–	–	–	–	–	–	–	–	–	–
<i>plus</i>	Adjustment resulting from asset allocation	–	–	–	–	–	–	–	–	(193)	(193)
<i>plus</i>	Asset category transfers	–	–	–	–	–	–	–	–	–	–
Total closing RAB value		70,392	9,676	36,952	54,706	38,663	30,002	26,971	5,787	6,856	280,006
Asset Life											
	Weighted average remaining asset life	45.5	54.0	25.8	25.0	27.5	21.9	17.5	10.5	4.4	(years)
	Weighted average expected total asset life	51	60	35	53	46	45	38	19	5	(years)

Company Name	Top Energy Ltd
For Year Ended	31 March 2020

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 70 of the Commerce Act 1986.

sch ref

5a(i): Regulatory Tax Allowance

(\$000)

Regulatory profit / (loss) before tax

25,778

plus Income not included in regulatory profit / (loss) before tax but taxable
Expenditure or loss in regulatory profit / (loss) before tax but not deductible
Amortisation of initial differences in asset values
Amortisation of revaluations

—
4
3,399
1,437

*
*

4,840

less Total revaluations
Income included in regulatory profit / (loss) before tax but not taxable
Discretionary discounts and customer rebates
Expenditure or loss deductible but not in regulatory profit / (loss) before tax
Notional deductible interest

6,589
—
—
—
3,712

*

*

10,301

Regulatory taxable income

20,317

less Utilised tax losses
Regulatory net taxable income

—

20,317

Corporate tax rate (%)

28.00%

Regulatory tax allowance

5,689

* Workings to be provided in Schedule 14

5a(ii): Disclosure of Permanent Differences

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

5a(iii): Amortisation of Initial Difference in Asset Values

(\$000)

Opening unamortised initial differences in asset values
less Amortisation of initial differences in asset values
plus Adjustment for unamortised initial differences in assets acquired
less Adjustment for unamortised initial differences in assets disposed
Closing unamortised initial differences in asset values

57,785
3,399
—
—

54,386

Opening weighted average remaining useful life of relevant assets (years)

17

Company Name	Top Energy Ltd
For Year Ended	31 March 2020

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 70 of the Commerce Act 1986.

sch ref

44	5a(iv): Amortisation of Revaluations			(\$000)
45				
46	Opening sum of RAB values without revaluations	231,605		
47				
48	Adjusted depreciation	8,246		
49	Total depreciation	9,683		
50	Amortisation of revaluations		1,437	
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	(12,223)		
61				
62	plus Tax effect of adjusted depreciation	2,309		
63				
64	less Tax effect of tax depreciation	3,127		
65				
66	plus Tax effect of other temporary differences*	(16)		
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	(277)		
73				
74	plus Deferred tax cost allocation adjustment	14		
75				
76	Closing deferred tax		(13,719)	
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	139,665		
84	less Tax depreciation	11,168		
85	plus Regulatory tax asset value of assets commissioned	21,099		
86	less Regulatory tax asset value of asset disposals	1		
87	plus Lost and found assets adjustment	-		
88	plus Adjustment resulting from asset allocation	(144)		
89	plus Other adjustments to the RAB tax value	-		
90	Closing sum of regulatory tax asset values		149,451	

Company Name	Top Energy Ltd
For Year Ended	31 March 2020

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		—
9			
10	Market value of asset disposals		
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		—
17	Business support	740	
18	System operations and network support	350	
19	Operational expenditure		1,090
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		—
28	Expenditure on assets		—
29	Cost of financing		—
30	Value of capital contributions		—
31	Value of vested assets		—
32	Capital Expenditure		—
33	Total expenditure		1,090
34			
35	Other related party transactions		—
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	740
39	Ngawha Generation Ltd (100% owned subsidia	System operations and network support	350
40			—
41			—
42			—
43			—
44			—
45			—
52			—
53	Total value of related party transactions		1,090
54	* include additional rows if needed		
55			

Company Name

Top Energy Ltd

For Year Ended

31 March 2020

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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8	5c(i): Qualifying Debt (may be Commission only)
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18	5c(ii): Attribution of Term Credit Spread Differential
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26	
27	

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	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
0	0	0	0	0	0	0	0	0
* include additional rows if needed						–	–	–

Gross term credit spread differential	–
Total book value of interest bearing debt	0
Leverage	42%
Average opening and closing RAB values	\$270,716
Attribution Rate (%)	–
Term credit spread differential allowance	–

Company Name **Top Energy Ltd**
 For Year Ended **31 March 2020**

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	
Service interruptions and emergencies						
	Directly attributable		1,706			
	Not directly attributable	–	–	–	–	–
	Total attributable to regulated service		1,706			
Vegetation management						
	Directly attributable		1,900			
	Not directly attributable	–	–	–	–	–
	Total attributable to regulated service		1,900			
Routine and corrective maintenance and inspection						
	Directly attributable		1,754			
	Not directly attributable	–	–	–	–	–
	Total attributable to regulated service		1,754			
Asset replacement and renewal						
	Directly attributable		965			
	Not directly attributable	–	–	–	–	–
	Total attributable to regulated service		965			
System operations and network support						
	Directly attributable		6,442			
	Not directly attributable	–	–	–	–	–
	Total attributable to regulated service		6,442			
Business support						
	Directly attributable		848			
	Not directly attributable	–	5,495	1,270	6,765	–
	Total attributable to regulated service		6,344			
	Operating costs directly attributable		13,614			
	Operating costs not directly attributable	–	5,495	1,270	6,765	–
	Operational expenditure		19,109			

Company Name	Top Energy Ltd
For Year Ended	31 March 2020

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

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5d(ii): Other Cost Allocations

Pass through and recoverable costs	(\$000)
Pass through costs	
Directly attributable	273
Not directly attributable	–
Total attributable to regulated service	273
Recoverable costs	
Directly attributable	7,995
Not directly attributable	–
Total attributable to regulated service	7,995

5d(iii): Changes in Cost Allocations* †

		(\$000)	
Change in cost allocation 1		CY-1	Current Year (CY)
Cost category	Business Support	Original allocation	–1,570
Original allocator or line items	Asset Book Value	New allocation	–2,519
New allocator or line items	Corporate Resource Time	Difference	–(949)
Rationale for change	Move from a Proxy to Causal allocator		
		(\$000)	
Change in cost allocation 2		CY-1	Current Year (CY)
Cost category	Nil	Original allocation	––
Original allocator or line items	–	New allocation	––
New allocator or line items	–	Difference	––
Rationale for change	0		
		(\$000)	
Change in cost allocation 3		CY-1	Current Year (CY)
Cost category	Nil	Original allocation	––
Original allocator or line items	–	New allocation	––
New allocator or line items	–	Difference	––
Rationale for change	0		

* 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.
† include additional rows if needed

Company Name

Top Energy Ltd

For Year Ended

31 March 2020

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

70,392

Not directly attributable

-

Total attributable to regulated service

70,392

Subtransmission cables

Directly attributable

9,676

Not directly attributable

-

Total attributable to regulated service

9,676

Zone substations

Directly attributable

36,952

Not directly attributable

-

Total attributable to regulated service

36,952

Distribution and LV lines

Directly attributable

54,706

Not directly attributable

-

Total attributable to regulated service

54,706

Distribution and LV cables

Directly attributable

38,663

Not directly attributable

-

Total attributable to regulated service

38,663

Distribution substations and transformers

Directly attributable

30,002

Not directly attributable

-

Total attributable to regulated service

30,002

Distribution switchgear

Directly attributable

26,971

Not directly attributable

-

Total attributable to regulated service

26,971

Other network assets

Directly attributable

5,787

Not directly attributable

-

Total attributable to regulated service

5,787

Non-network assets

Directly attributable

-

Not directly attributable

6,856

Total attributable to regulated service

6,856

Regulated service asset value directly attributable

273,150

Regulated service asset value not directly attributable

6,856

Total closing RAB value

280,006

51

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

Change in asset value allocation 1

Asset category

Non Network Assets

Original allocator or line items

ACAM

New allocator or line items

ABBA

Rationale for change

Adoption of the ABAA Allocation methodology in place of the ACAM allocation methodology

Original allocation

New allocation

Difference

CY-1

Current Year (CY)

-

7,049

-

6,856

-

193

Change in asset value allocation 2

Asset category

-

Original allocator or line items

-

New allocator or line items

-

Rationale for change

0

Original allocation

New allocation

Difference

CY-1

Current Year (CY)

-

-

-

-

-

Change in asset value allocation 3

Asset category

-

Original allocator or line items

-

New allocator or line items

-

Rationale for change

0

Original allocation

New allocation

Difference

CY-1

Current Year (CY)

-

-

-

-

-

* 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

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S5e.Asset Allocations

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									-	
									-	
									-	
									-	
Not directly attributable						-	-	-	-	-
Vegetation management										
No Allocation									-	
									-	
									-	
									-	
Not directly attributable						-	-	-	-	-
Routine and corrective maintenance and inspection										
No Allocation									-	
									-	
									-	
									-	
Not directly attributable						-	-	-	-	-
Asset replacement and renewal										
No Allocation									-	
									-	
									-	
									-	
Not directly attributable						-	-	-	-	-

Company Name	Top Energy LTD
For Year Ended	31/03/2020

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									-	
38										-	
39										-	
40										-	
41	Not directly attributable						-	-	-	-	-
42	Business support										
43	Corporate property expenses	ABAA	Total Corporate resource time	Causal	81.99%	18.01%		(152)	36	(116)	
	Corporate computer, telephone & PR	ABAA	Total Corporate resource time	Causal	81.99%	18.01%		866	115	981	
	Executive, directors and support	ABAA	Director time spent	Causal	75.00%	25.00%		1,293	431	1,725	
	Audit, insurance,admin and consultancy	ABAA	Total Corporate resource time	Causal	81.99%	18.01%		1,000	137	1,137	
	Corporate training, recruitment and welfare	ABAA	Total Corporate resource time	Causal	81.99%	18.01%		392	82	474	
44	Salaries executive and support	ABAA	Total Corporate resource time	Causal	81.99%	18.01%		413	0	413	
45	Corporate salaries for property, procurement & finance	ABAA	Time spent	Causal	81.42%	18.58%		1,262	288	1,550	
46	Salaries HR corporate	ABAA	Time spent	Causal	70.00%	30.00%		421	180	601	
47	Not directly attributable						-	5,495	1,270	6,765	-
48											
49	Operating costs not directly attributable						-	5,495	1,270	6,765	-
50											
51	Pass through and recoverable costs										
52	Pass through costs										
53	No Allocation									-	
54										-	
55										-	
56										-	
57	Not directly attributable						-	-	-	-	-
58	Recoverable costs										
59	No Allocation									-	
60										-	
61										-	
62										-	
63	Not directly attributable						-	-	-	-	-
64	* include additional rows if needed										

Company Name

Top Energy

For Year Ended

31 March 2020

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	Top Energy
For Year Ended	31 March 2020

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	Categories based on ABBA							6,856	193	7,049	
63										-	
64										-	
65										-	
66	Not directly attributable						-	6,856	193	7,049	-
67											
68	Regulated service asset value not directly attributable						-	6,856	193	7,049	-
69	* include additional rows if needed										

Company Name	Top Energy Ltd
For Year Ended	31 March 2020

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	6a(i): Expenditure on Assets		(\$000)	(\$000)
8	Consumer connection			2,548
9	System growth			16,347
10	Asset replacement and renewal			5,698
11	Asset relocations			–
12	Reliability, safety and environment:			
13	Quality of supply	–		
14	Legislative and regulatory	–		
15	Other reliability, safety and environment	10,190		
16	Total reliability, safety and environment			10,190
17	Expenditure on network assets			34,783
18	Expenditure on non-network assets			3,126
19				
20	Expenditure on assets			37,909
21	<i>plus</i> Cost of financing			712
22	<i>less</i> Value of capital contributions			2,092
23	<i>plus</i> Value of vested assets			–
24				
25	Capital expenditure			36,529
26	6a(ii): Subcomponents of Expenditure on Assets (where known)			(\$000)
27	Energy efficiency and demand side management, reduction of energy losses			–
28	Overhead to underground conversion			–
29	Research and development			–
30	6a(iii): Consumer Connection			
31	<i>Consumer types defined by EDB*</i>		(\$000)	(\$000)
32	Commercial and Industrial		504	
33	Mass Market		1,999	
34	Quality of supply		45	
35		–	–	
36		–	–	
37	<i>* include additional rows if needed</i>			
38	Consumer connection expenditure			2,548
39				
40	<i>less</i> Capital contributions funding consumer connection expenditure		2,092	
41	Consumer connection less capital contributions			456
42	6a(iv): System Growth and Asset Replacement and Renewal			
43				
44				
45	Subtransmission		14,632	1,143
46	Zone substations		1,485	1
47	Distribution and LV lines		164	3,606
48	Distribution and LV cables		34	162
49	Distribution substations and transformers		–	60
50	Distribution switchgear		–	727
51	Other network assets		31	0
52	System growth and asset replacement and renewal expenditure		16,347	5,698
53	<i>less</i> Capital contributions funding system growth and asset replacement and renewal		–	–
54	System growth and asset replacement and renewal less capital contributions		16,347	5,698
55				
56	6a(v): Asset Relocations			
57	<i>Project or programme*</i>		(\$000)	(\$000)
58	Nil		–	
59		–	–	
60		–	–	
61		–	–	
62		–	–	
63	<i>* include additional rows if needed</i>			
64	All other projects or programmes - asset relocations		–	
65	Asset relocations expenditure			–
66	<i>less</i> Capital contributions funding asset relocations		–	
67	Asset relocations less capital contributions			–

Company Name

Top Energy Ltd

For Year Ended

31 March 2020

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

6a(vi): Quality of Supply

Project or programme*

Nil
–
–
–
–

* include additional rows if needed

All other projects programmes - quality of supply

Quality of supply expenditure

less

Capital contributions funding quality of supply

Quality of supply less capital contributions

(\$000)

(\$000)

–
–
–
–
–

–

–

–

–

6a(vii): Legislative and Regulatory

Project or programme*

Nil
–
–
–
–

* include additional rows if needed

All other projects or programmes - legislative and regulatory

Legislative and regulatory expenditure

less

Capital contributions funding legislative and regulatory

Legislative and regulatory less capital contributions

(\$000)

(\$000)

–
–
–
–
–

–

–

–

–

6a(viii): Other Reliability, Safety and Environment

Project or programme*

Kaitaia Generation
WRR-KTA 110kV Stage 3 - Property
Steel Tower Replacement (Moerwa-Haruru)
Taipa Generator Metering
Cross-roads interconnection
Projects less than 50K
–

* include additional rows if needed

All other projects or programmes - other reliability, safety and environment

Other reliability, safety and environment expenditure

less

Capital contributions funding other reliability, safety and environment

Other reliability, safety and environment less capital contributions

(\$000)

(\$000)

9,125
403
211
78
60
313
–

–

10,190

–

10,190

6a(ix): Non-Network Assets

Routine expenditure

Project or programme*

Computer Hardware
Plant and Equipment Electrical
Plant and Equipment Furniture
Vehicles
Software
Leased Assets (Right of Use)
–

* include additional rows if needed

All other projects or programmes - routine expenditure

Routine expenditure

Atypical expenditure

Project or programme*

–
–
–

* include additional rows if needed

All other projects or programmes - atypical expenditure

Atypical expenditure

Expenditure on non-network assets

(\$000)

(\$000)

24
14
91
73
1,167
1,758
–

–

3,126

(\$000)

(\$000)

–
–
–

–

–

3,126

Company Name **Top Energy Ltd**For Year Ended **31 March 2020****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	6b(i): Operational Expenditure		
8	Service interruptions and emergencies	1,706	
9	Vegetation management	1,900	
10	Routine and corrective maintenance and inspection	1,754	
11	Asset replacement and renewal	965	
12	Network opex		6,324
13	System operations and network support	6,442	
14	Business support	6,344	
15	Non-network opex		12,786
16			
17	Operational expenditure		19,109
18	6b(ii): Subcomponents of Operational Expenditure (where known)		
19	Energy efficiency and demand side management, reduction of energy losses		—
20	Direct billing*		—
21	Research and development		—
22	Insurance		385
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name	Top Energy Ltd
For Year Ended	31 March 2020

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	7(i): Revenue	Target (\$000) ¹	Actual (\$000)	% variance
8	Line charge revenue	55,771	55,478	(1%)
9	7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
10	Consumer connection	1,636	2,548	56%
11	System growth	20,174	16,347	(19%)
12	Asset replacement and renewal	8,527	5,698	(33%)
13	Asset relocations	—	—	—
14	Reliability, safety and environment:			
15	Quality of supply	1,527	—	(100%)
16	Legislative and regulatory	—	—	—
17	Other reliability, safety and environment	73	10,190	13,859%
18	Total reliability, safety and environment	1,600	10,190	537%
19	Expenditure on network assets	31,937	34,783	9%
20	Expenditure on non-network assets	850	3,126	268%
21	Expenditure on assets	32,787	37,909	16%
22	7(iii): Operational Expenditure			
23	Service interruptions and emergencies	1,199	1,706	42%
24	Vegetation management	2,071	1,900	(8%)
25	Routine and corrective maintenance and inspection	1,787	1,754	(2%)
26	Asset replacement and renewal	1,106	965	(13%)
27	Network opex	6,163	6,324	3%
28	System operations and network support	5,934	6,442	9%
29	Business support	5,198	6,344	22%
30	Non-network opex	11,132	12,786	15%
31	Operational expenditure	17,295	19,109	10%
32	7(iv): Subcomponents of Expenditure on Assets (where known)			
33	Energy efficiency and demand side management, reduction of energy losses	—	—	—
34	Overhead to underground conversion	—	—	—
35	Research and development	—	—	—
36				
37	7(v): Subcomponents of Operational Expenditure (where known)			
38	Energy efficiency and demand side management, reduction of energy losses	—	—	—
39	Direct billing	—	—	—
40	Research and development	—	—	—
41	Insurance	344	385	12%

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

² 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 2020
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	48,412
TOU	Commercial	Standard	62	40,147
GA	Commercial	Standard	34	6,197
LC	Residential	Standard	32	117
LR	Residential	Standard	15,325	70,206
LU	Residential	Standard	34	162
SC	Residential	Standard	7	54
SR	Residential	Standard	11,542	78,899
SU	Residential	Standard	4	38
G	Commercial	Standard	5,251	79,475
DG	Commercial	Standard	–	4,722
CAP150	Commercial	Standard	–	–
STL (UM)	Unmetered	Non-standard	241	926
LDG	Commercial	Non-standard	2	–
Add extra rows for additional consumer groups or price category codes as necessary				
Standard consumer totals			32,291	280,016
Non-standard consumer totals			246	49,338
Total for all consumers			32,537	329,355

Price component	Billed quantities by price component				
	–	Fixed	Variable	–	–
Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	–	Days	kWh	–	–
	–	–	–	–	–
Add extra columns for additional billed quantities by price component as necessary					
–	48,412	–	–	–	–
–	–	40,147	–	–	–
–	–	6,197	–	–	–
–	–	117	–	–	–
–	–	70,206	–	–	–
–	–	162	–	–	–
–	–	54	–	–	–
–	–	78,899	–	–	–
–	–	38	–	–	–
–	–	79,475	–	–	–
–	–	4,722	–	–	–
–	–	–	–	–	–
–	926	–	–	–	–
–	–	–	–	–	–
–	–	280,016	–	–	–
–	49,338	–	–	–	–
–	49,338	280,016	–	–	–

Company Name

Top Energy Ltd

For Year Ended

31 March 2020

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.

8(ii): Line Charge Revenues (\$000) by 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)
IND	Commercial	Non-standard	\$1,823	–
TOU	Commercial	Standard	\$4,450	–
GA	Commercial	Standard	\$975	–
LC	Residential	Standard	\$18	–
LR	Residential	Standard	\$13,486	–
LU	Residential	Standard	\$36	–
SC	Residential	Standard	\$9	–
SR	Residential	Standard	\$16,659	–
SU	Residential	Standard	\$10	–
G	Commercial	Standard	\$17,510	–
DG	Commercial	Standard	–	–
CAP150	Commercial	Standard	–	–
STL (UM)	Unmetered	Non-standard	\$438	–
LDG	Commercial	Non-standard	\$64	–

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

Standard consumer totals	\$53,154	–
Non-standard consumer totals	\$2,325	–
Total for all consumers	\$55,478	–

Total distribution line charge revenue	Total transmission line charge revenue (if available)
883	940
3,859	591
846	129
16	2
11,696	1,790
32	5
8	1
14,447	2,211
9	1
15,186	2,324
–	–
–	–
438	–
64	–

Check

OK

Check

7,995

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

Price component					
Line charge reven	–	–	–	–	–
–	Gross Income	Gross Income	–	Discount	Discount
–	1,843	–	–	(1)	(20)
–	605	3,940	–	(13)	(82)
–	132	862	–	(7)	(13)
–	2	21	–	(1)	(3)
–	841	15,241	–	(752)	(1,844)
–	2	40	–	(1)	(4)
–	3	7	–	(0)	(1)
–	5,127	13,433	–	(562)	(1,340)
–	3	8	–	(0)	(0)
–	2,306	16,002	–	(253)	(545)
–	–	–	–	–	–
–	–	–	–	–	–
–	438	–	–	–	–
–	64	–	–	(0)	(0)
–	\$9,021	\$49,555	–	(\$1,590)	(\$3,832)
–	\$2,346	–	–	(\$1)	(\$20)
–	\$11,367	\$49,555	–	(\$1,591)	(\$3,852)

Add extra columns for additional line charge revenues by price component as necessary

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end

3

Company Name

Top Energy Ltd

For Year Ended

31 March 2020

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 year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1–4)
8	Voltage	Asset category	Asset class	Units				
9	All	Overhead Line	Concrete poles / steel structure	No.	35,139	35,231	92	3
10	All	Overhead Line	Wood poles	No.	1,413	1,283	(130)	3
11	All	Overhead Line	Other pole types	No.	5	8	3	3
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	320	314	(7)	3
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	56	56	(0)	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	172	(6)	3
29	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	4
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	44	47	3	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	111	7	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.	29	29	–	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,127	2,131	4	3
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	4
37	HV	Distribution Line	SWER conductor	km	452	451	(1)	3
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	178	182	4	3
39	HV	Distribution Cable	Distribution UG PILC	km	32	32	0	3
40	HV	Distribution Cable	Distribution Submarine Cable	km	2	4	1	3
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	357	356	(1)	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.	1,370	1,399	29	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	11	11	–	4
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	197	200	3	4
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	5,108	5,136	28	3
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	852	864	12	3
48	HV	Distribution Transformer	Voltage regulators	No.	12	12	–	4
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	26	25	(1)	3
50	LV	LV Line	LV OH Conductor	km	220	220	(0)	3
51	LV	LV Cable	LV UG Cable	km	663	668	5	3
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	319	318	(0)	3
53	LV	Connections	OH/UG consumer service connections	No.	33,407	33,784	377	2
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	409	421	12	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 2020
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 2020		Number of assets at disclosure year end by installation date																																				No. with age default		No. with items at end of year (quantity)		No. with default dates		Data accuracy (1-4)	
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											
10	All	Overhead Line	Concrete poles / steel structure	No.	2	331	363	6,139	7,454	6,711	5,455	668	809	569	360	341	524	310	477	679	372	509	571	351	248	404	273	261	419	300	302	29	--	--	--	--	--	--	--	35,231	--	3							
11	All	Overhead Line	Wood poles	No.	--	19	104	212	375	172	165	26	15	7	6	6	8	10	28	18	8	80	--	4	3	2	3	2	4	6	--	--	--	--	--	--	--	--	1,283	--	3								
12	All	Overhead Line	Other pole types	No.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	1	--	--	2	--	--	3	1	--	--	--	--	--	--	8	--	4								
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	--	--	5	10	107	76	35	--	--	--	0	--	1	--	--	--	2	2	32	21	2	4	12	0	1	2	0	2	--	--	--	--	--	--	314	--	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	0	--	--	--	--	--	--	--	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	km	--	--	--	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	2	--	4	2	--	2	2	1	3	2	--	6	1	1	38	31	5	29	--	--	1	--	--	--	--	--	--	--	172	--	3								
30	HV	Zone substation switchgear	33kV RMU	No.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4								
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6	25	8	--	5	--	3	--	--	--	--	--	--	47	--	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	--	7	--	--	--	--	--	111	--	4									
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	29	--	4								
35	HV	Zone Substation Transformer	Zone Substation Transformer	No.	--	--	7	4	7	--	--	--	--	--	--	--	--	--	--	--	--	1	2	--	2	--	1	2	--	1	--	1	--	--	--	--	--	--	29	--	4								
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2	54	116	418	495	356	--	290	97	61	6	11	26	33	18	11	26	9	12	25	19	7	13	8	6	1	7	7	4	1	--	--	--	2,131	--	3									
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4									
38	HV	Distribution Line	SWER conductor	km	--	81	72	104	42	45	35	6	1	--	0	6	9	3	12	5	4	1	1	0	1	8	4	1	5	1	3	1	--	--	--	--	451	--	3										
##	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	5	5	5	1	--	--	--	--	182	--	3										
40	HV	Distribution Cable	Distribution UG PILC	km	--	--	--	0	3	6	10	7	0	0	1	1	2	2	0	0	--	--	--	--	--	--	--	--	--	--	0	--	--	--	--	--	--	32	--	3									
41	HV	Distribution Cable	Distribution Submarine Cable	km	--	--	--	--	1.5	--	--	--	--	--	--	--	--	--	--	2.2	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4	--	3									
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	2	4	5	3	3	1	7	4	2	1	2	3	1	2	13	68	105	25	36	5	2	8	8	8	13	14	10	1	--	--	--	--	--	356	--	4									
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.	--	20	22	140	125	65	89	29	12	4	36	20	31	37	38	45	83	59	60	37	51	28	51	53	60	110	79	15	--	--	--	--	--	1,399	--	3									
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	--	--	--	--	--	--	2	3	--	--	2	--	--	--	1	--	--	--	--	--	1	2	--	--	--	--	--	--	--	--	--	--	--	11	--	3									
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	--	--	--	--	--	--	4	5	1	3	5	8	19	22	12	16	1	5	16	13	14	2	10	5	18	14	7	--	--	--	--	--	200	--	3										
47	HV	Distribution Transformer	Pole Mounted Transformer	No.	10	88	175	158	340	431	1,083	154	165	86	104	155	171	193	182	196	134	149	218	111	103	111	91	122	113	145	128	20	--	--	--	--	--	5,136	--	3									
48	HV	Distribution Transformer	Ground Mounted Transformer	No.	--	--	1	6	26	27	123	59	30	22	45	52	75	63	38	59	21	21	33	20	15	20	18	12	27	26	21	4	--	--	--	--	884	--	3										
49	HV	Distribution Transformer	Voltage regulators	No.	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	1	--	--	--	--	4	1	3	1	--	--	--	--	--	13	--	4										
50	HV	Distribution Substations	Ground Mounted Substation Housing	No.	--	--	3	4	7	--	6	1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	23	--	4								
51	LV	LV Line	LV OH Conductor	km	--	3	9	38	56	43	41	5	4	1	2	2	2	1	2	1	2	2	1	0	0	1	0	1	0	1	1	0	--	--	--	--	220	--	3										
52	LV	LV Cable	LV UG Cable	km	--	--	--	35	97	111	152	31	16	6	22	36	34	31	19	18	7	8	4	3	3	4	7	4	3	6	8	1	--	--	--	--	668	--	3										
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	--	--	1	21	54	66	67	19	5	3	11	16	15	14	11	10	3	1	0	1	0	0	0	0	0	0	0	0	--	--	--	--	318	--	3										
54	LV	Connections	OH/UG consumer service connections	No.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	121	277	343	363	451	468	470	136	--	--	--	--	31,155	33,784	31,155	--	3								
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	--	--	--	--	43	2	--	2	--	--	4	--	8	--	3	84	7	16	2	4	31	48	30	38	32	9	43	15	--	--	--	--	421	--	4										
56	All	SCADA and communications	SCADA and communications equipment operating as a single sys	Lot	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	4									
57	All	Capacitor Banks	Capacitors including controls	No	--	--	--	4	2	2	8	1	--	--	--	1	--	--	--	--	--	--	--	--	--																								

Company Name

For Year Ended

Network / Sub-network Name

Top Energy Ltd

31 March 2020

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

10

Circuit length by operating voltage (at year end)

Overhead (km)	Underground (km)	Total circuit length (km)
56	–	56
–	–	–
314	21	335
449	2	451
21	10	31
2,095	205	2,300
220	668	888
3,154	906	4,061

11

> 66kV

12

50kV & 66kV

13

33kV

14

SWER (all SWER voltages)

15

22kV (other than SWER)

16

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

17

Low voltage (< 1kV)

18

Total circuit length (for supply)

19

20

Dedicated street lighting circuit length (km)

9	309	318
---	-----	-----

21

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

		1,324
--	--	-------

22

23

Overhead circuit length by terrain (at year end)

Circuit length (km)	(% of total overhead length)
171	5%
2,071	66%
5	0%
656	21%
–	–
251	8%
3,154	100%

24

Urban

25

Rural

26

Remote only

27

Rugged only

28

Remote and rugged

29

Unallocated overhead lines

30

Total overhead length

31

32

33

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

Circuit length (km)	(% of total circuit length)
3,614	89%

34

35

Overhead circuit requiring vegetation management

Circuit length (km)	(% of total overhead length)
409	13%

Company Name

Top Energy Ltd

For Year Ended

31 March 2020

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	80
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

For Year Ended

Network / Sub-network Name

Top Energy Ltd

31 March 2020

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

8

9e(i): Consumer Connections

9

Number of ICPs connected in year by consumer type

10

Consumer types defined by EDB*

11

GA

13

GG

15

LC

16

LR

17

LU

18

SC

19

SR

20

SU

22

UMG

23

UML

24

* include additional rows if needed

25

Connections total

26

27

Distributed generation

28

Number of connections made in year

29

Capacity of distributed generation installed in year

30

9e(ii): System Demand

31

32

33

Maximum coincident system demand

34

GXP demand

35

plus Distributed generation output at HV and above

36

Maximum coincident system demand

37

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

38

Demand on system for supply to consumers' connection points

39

Electricity volumes carried

40

Electricity supplied from GXPs

41

less Electricity exports to GXPs

42

plus Electricity supplied from distributed generation

43

less Net electricity supplied to (from) other EDBs

44

Electricity entering system for supply to consumers' connection points

45

less Total energy delivered to ICPs

46

Electricity losses (loss ratio)

47

48

Load factor

49

9e(iii): Transformer Capacity

50

51

Distribution transformer capacity (EDB owned)

52

Distribution transformer capacity (Non-EDB owned, estimated)

53

Total distribution transformer capacity

54

55

Zone substation transformer capacity

Number of connections (ICPs)

1

276

15

45

3

14

101

6

5

2

468

124 connections

0.67 MVA

Demand at time of maximum coincident demand (MW)

60.8

10.1

71.0

0

71.0

Energy (GWh)

161.2

0.2

198.9

0.0

360

329

31 8.5%

0.58

(MVA)

279

42

321

464

Company Name	Top Energy Ltd
For Year Ended	31 March 2020
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)	278	
12	Class C (unplanned interruptions on the network)	384	
13	Class D (unplanned interruptions by Transpower)	1	
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	663	
20			
21	Interruption restoration	≤3Hrs	>3hrs
22	Class C interruptions restored within	201	183
23			
24	SAIFI and SAIDI by class	SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)	–	–
26	Class B (planned interruptions on the network)	0.64	99.4
27	Class C (unplanned interruptions on the network)	4.15	315.9
28	Class D (unplanned interruptions by Transpower)	0.95	115.0
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	5.73	530.3
35			
36	Normalised SAIFI and SAIDI	Normalised SAIFI	Normalised SAIDI
37	Classes B & C (interruptions on the network)	4.8	415.3
38			

Company Name	Top Energy Ltd
For Year Ended	31 March 2020
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	0.2	7.7
Vegetation	1.0	81.2
Adverse weather	0.0	2.5
Adverse environment	–	–
Third party interference	0.4	63.0
Wildlife	0.3	13.4
Human error	0.1	4.3
Defective equipment	1.6	122.1
Cause unknown	0.5	21.8

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.0	1.4
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	0.6	95.0
Distribution cables (excluding LV)	0.1	3.0
Distribution other (excluding LV)	–	–

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.7	44.2
Subtransmission cables	0.1	0.3
Subtransmission other	–	–
Distribution lines (excluding LV)	3.2	264.6
Distribution cables (excluding LV)	0.1	6.8
Distribution other (excluding LV)	–	–

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	10	370	2.70
Subtransmission cables	2	21	9.52
Subtransmission other	–		
Distribution lines (excluding LV)	366	2,565	14.27
Distribution cables (excluding LV)	6	215	2.79
Distribution other (excluding LV)	–		
Total	384		

Company Name	Top Energy Ltd
For Year Ended	31/3/2020

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 2020. 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 gain on disposal of \$17k and Other income of \$788k which consists of reimbursement of fault expenses received from external parties \$277k, Transpower loss and constraints payments \$474k, and generation income for Diesel Generation of \$37k.
The discount was posted in 2020.

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 (\$4k) 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 \$16k comprises timing differences arising from the movement in payroll accruals between the beginning and end of the year to 31 March 2020 (\$55k), 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

The following Business support categories have had change to allocator: Corporate property expenses; Corporate, computer, telephone & PR; Audit, insurance, admin & consultancy, Corporate training, recruitment and welfare. They have changed from a Proxy "Asset Book Value" to a Causal "Time spent" as this better reflects the cost for the regulated business. The Group's asset book value has changed over the last 2 years to a level that it is no longer an accurate allocator.

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

The Accounting Based Asset Allocator (ABBA) is used to allocate non-directly attributable network assets values in accordance with the IM Determination. One allocator has been determined which follows a similar process to operating cost allocation.

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).

CAPEX expenditure was 11% greater than budget because of cost escalations and phasing variances for the Ngawha Generation 110kV line and substation interconnection project.

1. An increase in new connections during the year contributed to higher consumer connection spend. Hence the significant 56% increase in consumer connection expenditure.
2. Project programming necessitated the shift of some project work forward and others backward from FYE 2021 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.
3. System Growth, Asset Replacement and Renewal categories are due to revised project timelines from carrying projects or part projects over from the preceding financial year
4. Reliability, Safety and Environment is due to diesel generators purchased to increase reliability and back up supply in the Northern region.
5. Increased Expenditure on non-network assets was largely due to the new ADMS system for operations.

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.

The magnitude of fault events was higher than forecast causing pressure on resources. This demand on resource resulted in other workflows being deferred to minimise the impact of the fault events.

The Network OPEX expenses were higher than forecast (3%).

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.

Non system operating expenses are higher than forecast (15%).

The higher than forecast is largely related to the change in allocators for Business Support, with a more accurate causal allocator rather than the proxy previously used.

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 2021 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 are higher than forecast (16%).

As per box 9

Overall Operating expenses were slightly higher than forecast (10%).

As per Box 10

Information relating to revenues and quantities for the disclosure year

15. In the box below provide-

- 15.1 a comparison of the forecast 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, which includes a Time of Use (ToU) trial for Residential

The forecast revenue is \$55,771k which was 1 % greater than actual \$55,478k. A posted discount was paid out in October 2019 for \$5,444k and does make up part of the line revenue. The NGL connection charge \$64k has been moved from Schedule 3, other income, to Schedule 8.

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

There has been no changes to the methodology used to acquire and record customer outages for the 2020 Information Disclosure.

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. \$111million.

A major event that would affect assets that are self-insured (poles and conductor/cables) may 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	Top Energy Ltd
For Year Ended	2020

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>Box 1: Commentary on difference between nominal and constant price capital expenditure forecasts 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>Box 2: Commentary on difference between nominal and constant price operational expenditure forecasts The inflators used are consistent with those used by the Commission in its DPP Determination.</p>
--

Company Name	Top Energy Ltd
For Year Ended	2020

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 2020

Reliability Commentary

There has been no change to the methodology used to acquire and record customer outages for the 2020 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

25 August 2020



**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, Brett Tomkins, 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 as amended by the Information Disclosure exemption: Disclosure and auditing of reliability information within schedule 10, issued by the Commerce Commission on 9 April 2020 (the ‘Determination, as amended’) for the disclosure year ended 31 March 2020, has been prepared, in all material respects, in accordance with the Determination, as amended.

The disclosure information required to be reported by the Company, and audited by the Auditor-General, under the Determination, as amended, is in schedules 1 to 4, 5a to 5g, 6a and 6b, 7, 10 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 2020, has been prepared, in all material respects, in accordance with clause 2.3.6 and 2.3.8 of the Determination, as amended, 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 Determination, as amended; and
- the Related Party Transaction Information complies, in all material respects, with the Determination, as amended, 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 Determination, as amended, and about whether the Related Party Transaction Information has been prepared, in all material respects, with the Determination, as amended 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 Determination, as amended, 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><i>Cost Allocations</i></p> <p>The Determination, as amended, 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 Determination, as amended, and the Input Methodologies Determination should comprise:</p> <ul style="list-style-type: none"> all of the costs directly attributable to the supply of electricity distribution services; and an allocated portion of the costs that are not directly attributable. 	<p>We have:</p> <ul style="list-style-type: none"> obtained an understanding of the Company's cost allocation processes and the method applied; reconciled 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 2020; reviewed 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; assessed the reasonableness of the cost allocator and the resulting percentage allocation to regulated business; and examined the method applied by the company for allocating not directly attributable costs and assessing if the method complies with the Determination, as amended, and the Input Methodologies Determination.

Key audit matter	How our procedures addressed the key audit matter
<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 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><i>Accuracy of the number and duration of electricity outages</i></p> <p>The Information Disclosure Determination defines certain quality measures in relation to the number of interruptions, faults, and causes of faults. These quality measures are expressed in the form of SAIDI and SAIFI values.</p> <p>The Company does not have automated systems for identifying all outages and for recording the duration of outages in some locations.</p> <p>When outages occur in these locations the Company is often dependent on customers advising it of the outage. The information is then recorded in an outage listing, which is updated to reflect any manual adjustments.</p> <p>Manual switching sheets are maintained for all faults and contain details regarding the class and calculation of each outage.</p> <p>This is a key audit matter because information on the frequency and duration of outages is an important measure about the reliability of electricity supply. Inaccuracies or the omission of faults can potentially have a significant impact on the reliability thresholds against which Company performance is assessed.</p>	<p>We have:</p> <ul style="list-style-type: none"> • obtained an understanding of the Company's methods by which electricity outages and their duration are recorded; • completed analytical procedures for outage events, including analysing actual outages compared with prior year outages; • tested the design and implementation of key controls related to the recording and review of outage data; • tested a sample of outage events to ensure the metrics surrounding the events such as start time, number of customers affected and end time were consistent with the fault log sheet and responding technician's records; • tested a sample of outage events captured by the system management software used to monitor the network and which electronically records certain outage events; • assessed the reasonableness of why certain events have not been recorded as an outage events; • tested a sample of outage notifications recorded by an independent call centre to ensure the outage event has been accurately recorded; • checked whether major storm and outage events recorded in the media were appropriately recorded in the faults database; • tested a sample of outage events to ensure the classification of the type of event is reasonable; • reviewed the disclosure in Schedule 14 in respect of the treatment of successive interruptions; and • recalculated the normalised SAIDI and SAIFI using the predetermined boundary limits.

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 Determination, as amended, and
- the Related Party Transaction Information in accordance with the Determination, as amended, 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 Determination, as amended; and
- the Related Party Transaction Information has been prepared, in all material respects, in accordance with the Determination, as amended, 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 Determination, as amended; 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 Determination, as amended, and whether the Related Party Transaction Information has been prepared, in all material respects, in accordance with the Determination, as amended 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.



Brett Tomkins
Deloitte Limited
On behalf of the Auditor-General
Auckland, New Zealand
25 August 2020