

DRAFT & UNAUDITED

Electricity Distribution Information Disclosure Determination 2012
Consolidated determination as of 18 May 2023

Schedules 1–10
excluding 5f–5g

Company Name

Alpine Energy Limited

Disclosure Date

30 November 2023

Disclosure Year (year ended)

31 March 2023

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Disclosure Template Instructions

This document forms Schedules 1–10 to the Electricity Distribution Information Disclosure (Non-material) Amendment Determination [2023] NZCC 6.

The Schedules take the form of templates 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 schedule 4, 5b, 5c, 5d, 5e, 6a, 8, 9d, and 9e templates 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 the schedule 5c, 6a, and 9e templates 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.

The schedule 5d and 5e templates 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.

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

Changes Since Previous Version

Refer to the Targeted Information Disclosure Review - Electricity Distribution Businesses Final reasons paper - Tranche 1, for the details of changes made. A summary is provided in Chapter 2.

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 this ID determination. This will include information disclosed in accordance with this and other schedules, and information disclosed under the other requirements of this determination.

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

sch ref

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)
7						
8						
9	Operational expenditure	30,652	742	175,216	5,691	38,065
10	Network	6,819	165	38,978	1,266	8,468
11	Non-network	23,833	577	136,238	4,425	29,597
12						
13	Expenditure on assets	33,994	823	194,318	6,312	42,215
14	Network	32,591	789	186,301	6,051	40,473
15	Non-network	1,403	34	8,017	260	1,742
16						
17	1(ii): Revenue metrics					
18						
19	Total consumer line charge revenue	69,449	1,682			
20	Standard consumer line charge revenue	86,327	1,529			
21	Non-standard consumer line charge revenue	23,496	427,158			
22						
23	1(iii): Service intensity measures					
24						
25	Demand density	32				Maximum coincident system demand per km of circuit length (for supply) (kW/km)
26	Volume density	186				Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
27	Connection point density	8				Average number of ICPs per km of circuit length (for supply) (ICPs/km)
28	Energy intensity	24,215				Total energy delivered to ICPs per average number of ICPs (kWh/ICP)
29						
30	1(iv): Composition of regulatory income					
31						
32	Operational expenditure			(\$000)	% of revenue	
33	Pass-through and recoverable costs excluding financial incentives and wash-ups			24,894	44.07%	
34	Total depreciation			15,190	26.89%	
35	Total revaluations			11,082	19.62%	
36	Regulatory tax allowance			17,777	31.47%	
37	Regulatory profit/(loss) including financial incentives and wash-ups			1,508	2.67%	
38	Total regulatory income			21,595	38.23%	
39				56,492		
40	1(v): Reliability					
41						
42	Interruption rate			25.15		Interruptions per 100 circuit km

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 this 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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

2(i): Return on Investment		CY-2	CY-1	Current Year CY
		31 Mar 21	31 Mar 22	31 Mar 23
		%	%	%
7	ROI – comparable to a post tax WACC			
8				
9	Reflecting all revenue earned	6.50%	8.82%	7.92%
10	Excluding revenue earned from financial incentives	6.45%	8.44%	7.83%
11	Excluding revenue earned from financial incentives and wash-ups	6.45%	8.48%	7.86%
12				
13				
14	Mid-point estimate of post tax WACC	3.72%	3.52%	4.88%
15	25th percentile estimate	3.04%	2.84%	4.20%
16	75th percentile estimate	4.40%	4.20%	5.56%
17				
18				
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	6.83%	9.12%	8.43%
21	Excluding revenue earned from financial incentives	6.78%	8.74%	8.34%
22	Excluding revenue earned from financial incentives and wash-ups	6.78%	8.78%	8.38%
23				
24	WACC rate used to set regulatory price path	4.57%	4.57%	4.57%
25				
26	Mid-point estimate of vanilla WACC	4.05%	3.82%	5.39%
27	25th percentile estimate	3.37%	3.14%	4.71%
28	75th percentile estimate	4.73%	4.50%	6.07%
29				
30	2(ii): Information Supporting the ROI			
31				
32	Total opening RAB value	267,127		
33	plus Opening deferred tax	(17,826)		
34	Opening RIV		249,302	
35				
36	Line charge revenue		56,404	
37				
38	Expenses cash outflow	40,084		
39	add Assets commissioned	19,465		
40	less Asset disposals	7		
41	add Tax payments	194		
42	less Other regulated income	88		
43	Mid-year net cash outflows		59,648	
44				
45	Term credit spread differential allowance		–	
46				
47	Total closing RAB value	293,278		
48	less Adjustment resulting from asset allocation	–		
49	less Lost and found assets adjustment	–		
50	plus Closing deferred tax	(19,141)		
51	Closing RIV		274,138	
52				
53	ROI – comparable to a vanilla WACC			8.43%
54				
55	Leverage (%)			42%
56	Cost of debt assumption (%)			4.38%
57	Corporate tax rate (%)			28%
58				
59	ROI – comparable to a post tax WACC			7.92%
60				

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 this 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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

2(iii): Information Supporting the Monthly ROI

61							
62							
63	Opening RIV						N/A
64							
65							
66		Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
67	April						-
68	May						-
69	June						-
70	July						-
71	August						-
72	September						-
73	October						-
74	November						-
75	December						-
76	January						-
77	February						-
78	March						-
79	Total	-	-	-	-	-	-
80							
81	Tax payments						N/A
82							
83	Term credit spread differential allowance						N/A
84							
85	Closing RIV						N/A
86							
87							
88	Monthly ROI – comparable to a vanilla WACC						N/A
89							
90	Monthly ROI – comparable to a post tax WACC						N/A
91							

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

92		
93		
94	Year-end ROI – comparable to a vanilla WACC	8.27%
95		
96	Year-end ROI – comparable to a post tax WACC	7.75%
97		
98	* 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.	
99		

2(v): Financial Incentives and Wash-Ups

100		
101		
102	Net recoverable costs allowed under incremental rolling incentive scheme	329
103	Purchased assets – avoided transmission charge	
104	Energy efficiency and demand incentive allowance	
105	Quality incentive adjustment	(17)
106	Other financial incentives	
107	Financial incentives	312
108		
109	Impact of financial incentives on ROI	0.09%
110		
111	Input methodology claw-back	
112	CPP application recoverable costs	
113	Catastrophic event allowance	
114	Capex wash-up adjustment	(134)
115	Transmission asset wash-up adjustment	
116	2013–15 NPV wash-up allowance	
117	Reconsideration event allowance	
118	Other wash-ups	
119	Wash-up costs	(134)
120		
121	Impact of wash-up costs on ROI	-0.04%

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2023**

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

7	3(i): Regulatory Profit	(\$000)
8	Income	
9	Line charge revenue	56,404
10	plus Gains / (losses) on asset disposals	21
11	plus Other regulated income (other than gains / (losses) on asset disposals)	67
12		
13	Total regulatory income	56,492
14	Expenses	
15	less Operational expenditure	24,894
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	15,190
18		
19	Operating surplus / (deficit)	16,408
20		
21	less Total depreciation	11,082
22		
23	plus Total revaluations	17,777
24		
25	Regulatory profit / (loss) before tax	23,103
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	1,508
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	21,595
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	140
36	Commerce Act levies	134
37	Industry levies	164
38	CPP specified pass through costs	-
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	13,396
41	Transpower new investment contract charges	1,344
42	System operator services	11
43	Distributed generation allowance	-
44	Extended reserves allowance	-
45	Other recoverable costs excluding financial incentives and wash-ups	-
46	Pass-through and recoverable costs excluding financial incentives and wash-ups	15,190
47		

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2023**

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

		(\$000)	
		CY-1	CY 31 Mar 23
48	3(iii): Incremental Rolling Incentive Scheme		
49			
51	Allowed controllable opex	-	-
52	Actual controllable opex	-	-
53			
54	Incremental change in year		-
55			
		Previous years' incremental change	Previous years' incremental change adjusted for inflation
56	CY-5 [year]	-	-
58	CY-4 [year]	-	-
59	CY-3 [year]	-	-
60	CY-2 [year]	-	-
61	CY-1 [year]	-	-
62	Net incremental rolling incentive scheme		-
63			
64	Net recoverable costs allowed under incremental rolling incentive scheme		-
65	3(iv): Merger and Acquisition Expenditure		
70			(\$000)
66	Merger and acquisition expenditure		-
67			
68	<i>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)</i>		
69	3(v): Other Disclosures		
70			(\$000)
71	Self-insurance allowance		-

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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

	RAB 31 Mar 19 (\$000)	RAB 31 Mar 20 (\$000)	RAB 31 Mar 21 (\$000)	RAB 31 Mar 22 (\$000)	RAB 31 Mar 23 (\$000)
Total opening RAB value	214,359	218,988	227,918	236,905	267,127
less Total depreciation	9,135	8,967	9,319	9,610	11,082
plus Total revaluations	3,180	5,549	3,466	16,319	17,777
plus Assets commissioned	17,450	11,929	14,839	18,554	19,465
less Asset disposals	-	4	-	54	7
plus Lost and found assets adjustment	-	424	-	-	-
plus Adjustment resulting from asset allocation	(6,867)	-	-	5,012	-
Total closing RAB value	218,988	227,918	236,905	267,127	293,278

4(ii): Unallocated Regulatory Asset Base

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value		267,735		267,127
less Total depreciation		11,128		11,082
plus Total revaluations		17,818		17,777
plus Assets commissioned (other than below)	10,971		10,893	
Assets acquired from a regulated supplier	-		-	
Assets acquired from a related party	8,573		8,572	
Assets commissioned		19,545		19,465
less Asset disposals (other than below)	7		7	
Asset disposals to a regulated supplier	-		-	
Asset disposals to a related party	-		-	
Asset disposals		7		7
plus Lost and found assets adjustment		-		-
plus Adjustment resulting from asset allocation				-
Total closing RAB value		293,962		293,278

* 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.

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 this ID determination), and so is subject to the assurance report required by section 2.8.

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4(iii): Calculation of Revaluation Rate and Revaluation of Assets

CPI _t	1,218
CPI _{t-4}	1,142
Revaluation rate (%)	6.65%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	267,735		267,127	
less Opening value of fully depreciated, disposed and lost assets	-		-	
Total opening RAB value subject to revaluation	267,735		267,127	
Total revaluations		17,818		17,777

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction		Allocated works under construction	
Works under construction—preceding disclosure year		5,634		5,605
plus Capital expenditure	20,733		20,674	
less Assets commissioned	19,545		19,465	
plus Adjustment resulting from asset allocation			-	
Works under construction - current disclosure year		6,822		6,814
Highest rate of capitalised finance applied				-

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
77 Depreciation - standard	9,368		9,322	
78 Depreciation - no standard life assets	1,761		1,761	
79 Depreciation - modified life assets	-		-	
80 Depreciation - alternative depreciation in accordance with CPP	-		-	
81 Total depreciation		11,128		11,082

85 **4(vi): Disclosure of Changes to Depreciation Profiles**

(\$000 unless otherwise specified)

Asset or assets with changes to depreciation*	Reason for non-standard depreciation (text entry)	Depreciation charge for the period (RAB)	Closing RAB value under 'non-standard' depreciation	Closing RAB value under 'standard' depreciation
86 N/a				
87				
88				
89				
90				
91				
92				
93				
94				

* include additional rows if needed

96 **4(vii): Disclosure by Asset Category**

(\$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
97 Total opening RAB value	12,984	5,458	59,858	59,482	60,174	24,512	17,827	9,775	17,055	267,127
98 <i>less</i> Total depreciation	688	102	2,285	2,146	1,914	1,236	521	429	1,761	11,082
99 <i>plus</i> Total revaluations	864	363	3,984	3,959	4,005	1,631	1,186	651	1,134	17,777
100 <i>plus</i> Assets commissioned	25	-	1,936	5,994	5,335	1,148	2,634	1,693	699	19,465
101 <i>less</i> Asset disposals	-	-	-	-	-	-	-	-	7	7
102 <i>plus</i> Lost and found assets adjustment	-	-	-	-	-	-	-	-	-	-
103 <i>plus</i> Adjustment resulting from asset allocation	-	-	-	-	-	-	-	-	-	-
104 <i>plus</i> Asset category transfers	-	-	-	-	-	-	-	-	-	-
105 Total closing RAB value	13,186	5,720	63,493	67,289	67,599	26,056	21,126	11,689	17,121	293,278
106 Asset Life										
107 Weighted average remaining asset life	31.7	37.7	33.0	34.9	39.8	25.9	34.4	32.6	23.6	(years)
108 Weighted average expected total asset life	51.0	45.0	42.7	53.2	55.8	45.0	40.6	41.8	24.8	(years)

Company Name **Alpine Energy Limited**For Year Ended **31 March 2023****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 this ID determination), and so is subject to the assurance report required by section

sch ref

		(\$000)	
7	5a(i): Regulatory Tax Allowance		
8	Regulatory profit / (loss) before tax		23,103
9			
10	<i>plus</i> Income not included in regulatory profit / (loss) before tax but taxable	-	*
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	33	*
12	Amortisation of initial differences in asset values	2,718	
13	Amortisation of revaluations	1,800	
14			4,550
15			
16	<i>less</i> Total revaluations	17,777	
17	Income included in regulatory profit / (loss) before tax but not taxable	-	*
18	Discretionary discounts and customer rebates	-	
19	Expenditure or loss deductible but not in regulatory profit / (loss) before tax	-	*
20	Notional deductible interest	4,489	
21			22,266
22			
23	Regulatory taxable income		5,387
24			
25	<i>less</i> Utilised tax losses	-	
26	Regulatory net taxable income		5,387
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		1,508

* 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)

36	Opening unamortised initial differences in asset values	34,483	
37	<i>less</i> Amortisation of initial differences in asset values	2,718	
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired	-	
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed	-	
40	Closing unamortised initial differences in asset values		31,766
41			
42	Opening weighted average remaining useful life of relevant assets (years)		13
43			

Company Name **Alpine Energy Limited**For Year Ended **31 March 2023****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 this ID determination), and so is subject to the assurance report required by section

sch ref

44	5a(iv): Amortisation of Revaluations		(\$000)
45			
46	Opening sum of RAB values without revaluations	229,226	
47			
48	Adjusted depreciation	9,283	
49	Total depreciation	11,082	
50	Amortisation of revaluations		1,800
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	(17,826)	
61			
62	plus Tax effect of adjusted depreciation	2,599	
63			
64	less Tax effect of tax depreciation	3,193	
65			
66	plus Tax effect of other temporary differences*	40	
67			
68	less Tax effect of amortisation of initial differences in asset values	761	
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	-	
73			
74	plus Deferred tax cost allocation adjustment	0	
75			
76	Closing deferred tax		(19,141)
77			
78	5a(vii): Disclosure of Temporary Differences		
79	<i>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).</i>		
80			
81	5a(viii): Regulatory Tax Asset Base Roll-Forward		
82			(\$000)
83	Opening sum of regulatory tax asset values	131,337	
84	less Tax depreciation	11,405	
85	plus Regulatory tax asset value of assets commissioned	19,465	
86	less Regulatory tax asset value of asset disposals	7	
87	plus Lost and found assets adjustment	-	
88	plus Adjustment resulting from asset allocation	1	
89	plus Other adjustments to the RAB tax value	-	
90	Closing sum of regulatory tax asset values		139,390

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

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

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

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

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

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

		Value allocated (\$000s)				
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000s)
7	5d(i): Operating Cost Allocations					
8						
9						
10	Service interruptions and emergencies					
11	Directly attributable		2,113			
12	Not directly attributable	-	-	-	-	-
13	Total attributable to regulated service		2,113			
14	Vegetation management					
15	Directly attributable		707			
16	Not directly attributable	-	-	-	-	-
17	Total attributable to regulated service		707			
18	Routine and corrective maintenance and inspection					
19	Directly attributable		2,550			
20	Not directly attributable	-	-	-	-	-
21	Total attributable to regulated service		2,550			
22	Asset replacement and renewal					
23	Directly attributable		168			
24	Not directly attributable	-	-	-	-	-
25	Total attributable to regulated service		168			
26	System operations and network support					
27	Directly attributable		8,912			
28	Not directly attributable	-	-	-	-	-
29	Total attributable to regulated service		8,912			
30	Business support					
31	Directly attributable		284			
32	Not directly attributable	-	10,160	550	10,710	-
33	Total attributable to regulated service		10,444			
34						
35	Operating costs directly attributable		14,736			
36	Operating costs not directly attributable	-	10,160	550	10,710	-
37	Operational expenditure		24,895			
38						

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

39 **5d(ii): Other Cost Allocations**

	(\$000)
40 Pass through and recoverable costs	
41 Pass through costs	
42 Directly attributable	439
43 Not directly attributable	-
44 Total attributable to regulated service	439
45 Recoverable costs	
46 Directly attributable	14,751
47 Not directly attributable	-
48 Total attributable to regulated service	14,751

50 **5d(iii): Changes in Cost Allocations* †**

		(\$000)	
		CY-1	Current Year (CY)
52 Change in cost allocation 1			
53 Cost category	N/a - no changes to cost allocations in the current year	Original allocation	-
54 Original allocator or line items		New allocation	-
55 New allocator or line items		Difference	-
56			
57 Rationale for change	N/a		

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

79 † include additional rows if needed

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 this 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
10	Subtransmission lines	
11	Directly attributable	13,186
12	Not directly attributable	–
13	Total attributable to regulated service	13,186
14	Subtransmission cables	
15	Directly attributable	5,720
16	Not directly attributable	–
17	Total attributable to regulated service	5,720
18	Zone substations	
19	Directly attributable	63,493
20	Not directly attributable	–
21	Total attributable to regulated service	63,493
22	Distribution and LV lines	
23	Directly attributable	67,289
24	Not directly attributable	–
25	Total attributable to regulated service	67,289
26	Distribution and LV cables	
27	Directly attributable	67,599
28	Not directly attributable	–
29	Total attributable to regulated service	67,599
30	Distribution substations and transformers	
31	Directly attributable	26,056
32	Not directly attributable	–
33	Total attributable to regulated service	26,056
34	Distribution switchgear	
35	Directly attributable	21,126
36	Not directly attributable	–
37	Total attributable to regulated service	21,126
38	Other network assets	
39	Directly attributable	11,689
40	Not directly attributable	–
41	Total attributable to regulated service	11,689
42	Non-network assets	
43	Directly attributable	1,101
44	Not directly attributable	16,020
45	Total attributable to regulated service	17,121
46		
47	Regulated service asset value directly attributable	277,258
48	Regulated service asset value not directly attributable	16,020
49	Total closing RAB value	293,278

51 5e(ii): Changes in Asset Allocations* †

		(\$000)	
		CY-1	Current Year (CY)
53	Change in asset value allocation 1		
54	Asset category		
55	Original allocator or line items	N/a - no changes to asset allocations in the current year	
56	New allocator or line items		
57			
58	Rationale for change	N/a	
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* 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

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

	(\$000)	(\$000)
6a(i): Expenditure on Assets		
Consumer connection		7,156
System growth		3,485
Asset replacement and renewal		14,477
Asset relocations		1
Reliability, safety and environment:		
Quality of supply	–	
Legislative and regulatory	–	
Other reliability, safety and environment	1,350	
Total reliability, safety and environment		1,350
Expenditure on network assets		26,469
Expenditure on non-network assets		1,139
Expenditure on assets		27,608
plus Cost of financing		–
less Value of capital contributions		6,935
plus Value of vested assets		–
Capital expenditure		20,674
6a(ii): Subcomponents of Expenditure on Assets (where known)		(\$000)
Energy efficiency and demand side management, reduction of energy losses		–
Overhead to underground conversion		245
Research and development		–
Cybersecurity (Commission only)		–
6a(iii): Consumer Connection		
<i>Consumer types defined by EDB*</i>		
Commercial	2,810	
HV alterations	450	
Irrigation	511	
LV alterations	47	
Residential	2,701	
Subdivision	637	
<i>* include additional rows if needed</i>		
Consumer connection expenditure		7,156
less Capital contributions funding consumer connection expenditure	6,685	
Consumer connection less capital contributions		471
6a(iv): System Growth and Asset Replacement and Renewal		
	System Growth	Asset Replacement and Renewal
	(\$000)	(\$000)
Subtransmission	1,137	417
Zone substations	186	1,552
Distribution and LV lines	–	7,661
Distribution and LV cables	–	2,256
Distribution substations and transformers	11	877
Distribution switchgear	2,108	994
Other network assets	44	719
System growth and asset replacement and renewal expenditure	3,485	14,477
less Capital contributions funding system growth and asset replacement and renewal	250	–
System growth and asset replacement and renewal less capital contributions	3,235	14,477
6a(v): Asset Relocations		
<i>Project or programme*</i>		
James Street, Timaru Relocate L23	1	
	–	
	–	
	–	
<i>* include additional rows if needed</i>		
All other projects or programmes - asset relocations	–	
Asset relocations expenditure		1
less Capital contributions funding asset relocations	–	
Asset relocations less capital contributions		1

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

68				
69	6a(vi): Quality of Supply			
70	Project or programme*	(\$000)	(\$000)	
71	N/a	-		
72		-		
73		-		
74		-		
75		-		
76	* include additional rows if needed			
77	All other projects programmes - quality of supply	-		
78	Quality of supply expenditure			-
79	less Capital contributions funding quality of supply	-		
80	Quality of supply less capital contributions			-
81	6a(vii): Legislative and Regulatory			
82	Project or programme*	(\$000)	(\$000)	
83	N/a	-		
84		-		
85		-		
86		-		
87		-		
88	* include additional rows if needed			
89	All other projects or programmes - legislative and regulatory	-		
90	Legislative and regulatory expenditure			-
91	less Capital contributions funding legislative and regulatory	-		
92	Legislative and regulatory less capital contributions			-
93	6a(viii): Other Reliability, Safety and Environment			
94	Project or programme*	(\$000)	(\$000)	
95	Communication	144		
96	Reliability - Waimate	1,073		
97		-		
98		-		
99		-		
100	* include additional rows if needed			
101	All other projects or programmes - other reliability, safety and environment	133		
102	Other reliability, safety and environment expenditure			1,350
103	less Capital contributions funding other reliability, safety and environment	-		
104	Other reliability, safety and environment less capital contributions			1,350
105				
106	6a(ix): Non-Network Assets			
107	Routine expenditure			
108	Project or programme*	(\$000)	(\$000)	
109	Computers and software	1,049		
110	Plant and equipment	38		
111	Land and buildings	44		
112		-		
113		-		
114	* include additional rows if needed			
115	All other projects or programmes - routine expenditure	-		
116	Routine expenditure			1,131
117	Atypical expenditure			
118	Project or programme*	(\$000)	(\$000)	
119	Purchase of artwork	8		
120		-		
121		-		
122		-		
123		-		
124	* include additional rows if needed			
125	All other projects or programmes - atypical expenditure	-		
126	Atypical expenditure			8
127				
128	Expenditure on non-network assets			1,139

Company Name

Alpine Energy Limited

For Year Ended

31 March 2023

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 this 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	2,113	
9	Vegetation management	707	
10	Routine and corrective maintenance and inspection	2,550	
11	Asset replacement and renewal	168	
12	Network opex		5,538
13	System operations and network support	8,912	
14	Business support	10,444	
15	Non-network opex		19,356
16			
17	Operational expenditure		24,894
18	6b(ii): Subcomponents of Operational Expenditure (where known)		
19	<i>EDBs' must disclose both a public version of this Schedule (excluding cybersecurity cost data) and a confidential version of this Schedule (including cybersecurity costs)</i>		
20	Energy efficiency and demand side management, reduction of energy losses		—
21	Direct billing*		—
22	Research and development		—
23	Insurance		284
24	Cybersecurity (Commission only)		73
25	<i>* Direct billing expenditure by suppliers that directly bill the majority of their consumers</i>		

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 this 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	57,408	56,404	(2%)
9	7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
10	Consumer connection	4,598	7,156	56%
11	System growth	2,999	3,485	16%
12	Asset replacement and renewal	13,433	14,477	8%
13	Asset relocations	1,463	1	(100%)
14	Reliability, safety and environment:			
15	Quality of supply	–	–	–
16	Legislative and regulatory	–	–	–
17	Other reliability, safety and environment	1,024	1,350	32%
18	Total reliability, safety and environment	1,024	1,350	32%
19	Expenditure on network assets	23,517	26,469	13%
20	Expenditure on non-network assets	2,536	1,139	(55%)
21	Expenditure on assets	26,053	27,608	6%
22	7(iii): Operational Expenditure			
23	Service interruptions and emergencies	2,137	2,113	(1%)
24	Vegetation management	857	707	(17%)
25	Routine and corrective maintenance and inspection	3,480	2,550	(27%)
26	Asset replacement and renewal	303	168	(44%)
27	Network opex	6,777	5,539	(18%)
28	System operations and network support	6,333	8,912	41%
29	Business support	16,179	10,444	(35%)
30	Non-network opex	22,512	19,356	(14%)
31	Operational expenditure	29,289	24,895	(15%)
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	1,400	245	(82%)
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	315	284	(10%)

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)

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

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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)
LOWHCA	Low Charge	Standard	2,247	14,400
LOWLCA	Low Charge	Standard	10,997	64,414
LOWUHCA	Low Uncontrolled	Standard	16	116
LOWULCA	Low Uncontrolled	Standard	42	270
015HCA	015	Standard	5,793	57,507
015LCA	015	Standard	11,213	100,554
015UHCA	015 Uncontrolled	Standard	37	548
015ULCA	015 Uncontrolled	Standard	39	340
360HCA	360	Standard	529	10,954
360LCA	360	Standard	741	21,855
360UHCA	360 Uncontrolled	Standard	14	587
360ULCA	360 Uncontrolled	Standard	15	442
ASSHCA	Assessed	Standard	1,294	119,476
ASSLCA	Assessed	Standard	407	40,243
TOU400HCA	TOU 400V	Standard	36	22,582
TOU400LCA	TOU 400V	Standard	99	102,329
TOU11HCA	TOU 11kV	Standard	4	24,270
TOU11LCA	TOU 11kV	Standard	4	13,116
Individual Direct Billed	IND	Non-standard	12	218,160
<i>Add extra rows for additional consumer groups or price category codes as necessary</i>				
Standard consumer totals			33,527	594,002
Non-standard consumer totals			12	218,160
Total for all consumers			33,539	812,163

Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)

Billed quantities by price component

Price component

Distribution Fixed	Distribution Variable Day	Distribution Variable Night	Distribution Demand	Transmission Fixed	Transmission Variable Day	Transmission Variable Night	Transmission Demand
Number of ICP's	MWh	MWh	MW	Number of ICP's	MWh	MWh	MW
2,247	10,080	4,320		2,247	10,080	4,320	
10,997	45,090	19,324		10,997	45,090	19,324	
16	81	35		16	81	35	
42	189	81		42	189	81	
5,793	40,255	17,252		5,793	40,255	17,252	
11,213	70,388	30,166		11,213	70,388	30,166	
37	164	164		37	384	164	
39	238	102		39	238	102	
529	7,668	3,286		529	7,668	3,286	
741	15,298	6,556		741	15,298	6,556	
14	411	176		14	411	176	
15	309	132		15	309	132	
1,294	83,633	35,843	111	1,294	83,633	35,843	111
407	28,170	12,073	38	407	28,170	12,073	38
36	15,401	7,181	7	36	15,401	7,181	7
99	69,788	32,541	23	99	69,788	32,541	23
4	16,552	7,718	6	4	16,552	7,718	6
4	8,945	4,171	4	4	8,945	4,171	4
12				12			
33,527	412,880	181,122	189	33,527	412,880	181,122	189
12	-	-	-	12	-	-	-
33,539	412,880	181,122	189	33,539	412,880	181,122	189

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

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

Price component

Distribution fixed	Distribution variable day	Distribution variable night	Distribution demand	Transmission Fixed	Transmission Variable day	Transmission Variable night	Transmission demand
\$/annum	\$/MWh	\$/MWh	\$(MWh*annum)	\$/annum	\$/MWh	\$/MWh	\$(MWh*annum)
247	738	303			230	37	
1,207	3,052	1,248			1,028	166	
2	6	3			4	1	
5	14	6			10	3	
3,178	1,002	376			918	148	
5,581	1,753	658			1,605	259	
20	10	4		8	9	1	
19	6	2		8	5	1	
1,193	191	72			175	28	
1,217	381	143			349	56	
31	10	4		3	9	2	
24	8	3		3	7	1	
975	2,231	811	4,878		2,022	330	1,062
212	777	275	853		701	112	471
19	164	31	787		96	18	341
43	1,292	254	1,579		341	68	729
3	345	59	355		189	33	185
2	117	23	316		107	21	261
2,967				2,158			
\$13,975	\$12,098	\$4,275	\$8,767	\$23	\$7,805	\$1,285	\$3,049
\$2,967	-	-	-	\$2,158	-	-	-
\$16,943	\$12,098	\$4,275	\$8,767	\$2,181	\$7,805	\$1,285	\$3,049

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

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)
LOWHCA	Low Charge	Standard	\$1,555	
LOWLCA	Low Charge	Standard	\$6,701	
LOWUHCA	Low Uncontrolled	Standard	\$16	
LOWULCA	Low Uncontrolled	Standard	\$38	
015HCA	015	Standard	\$5,622	
015LCA	015	Standard	\$9,856	
015UHCA	015 Uncontrolled	Standard	\$51	
015ULCA	015 Uncontrolled	Standard	\$42	
360HCA	360	Standard	\$1,658	
360LCA	360	Standard	\$2,146	
360UHCA	360 Uncontrolled	Standard	\$59	
360ULCA	360 Uncontrolled	Standard	\$46	
ASSHCA	Assessed	Standard	\$12,309	
ASSLCA	Assessed	Standard	\$3,401	
TOU400HCA	TOU 400V	Standard	\$1,456	
TOU400LCA	TOU 400V	Standard	\$4,306	
TOU11HCA	TOU 11kV	Standard	\$1,169	
TOU11LCA	TOU 11kV	Standard	\$846	
Individual Direct Billed	IND	Non-standard	\$5,126	
Standard consumer totals			\$51,278	-
Non-standard consumer totals			\$5,126	-
Total for all consumers			\$56,404	-

Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$ per day, \$ per kWh, etc.)
1,289	267	
5,507	1,194	
11	5	
25	13	
4,557	1,066	
7,992	1,864	
33	18	
27	15	
1,455	203	
1,741	405	
45	14	
34	11	
8,895	3,414	
2,117	1,284	
1,002	455	
3,168	1,138	
762	407	
457	389	
2,967	2,158	
\$39,116	\$12,163	
\$2,967	\$2,158	
\$42,083	\$14,321	

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

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end

Check

Company Name	Alpine Energy Limited
For Year Ended	31 March 2023
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

	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	25,192	25,430	238	3
9	All	Overhead Line	Wood poles	No.	19,393	19,074	(319)	3
10	All	Overhead Line	Other pole types	No.	233	229	(4)	3
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	250	248	(2)	3
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	34	32	(2)	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	N/A
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	N/A
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	23	25	2	4
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	2	-	(2)	4
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	2	2	-	4
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	6	6	-	4
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	114	117	3	4
28	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	N/A
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	7	7	-	4
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	22	25	3	4
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	163	165	2	4
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	8	8	-	4
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	27	27	-	4
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,887	2,888	1	3
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	N/A
36	HV	Distribution Line	SWER conductor	km	7	7	0	4
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	298	327	29	2
38	HV	Distribution Cable	Distribution UG PILC	km	136	135	(1)	2
39	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	N/A
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	69	70	1	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	-	N/A
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	7,076	7,085	9	2
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	44	56	12	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	462	482	20	4
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	5,017	5,036	19	4
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	1,098	1,119	21	4
47	HV	Distribution Transformer	Voltage regulators	No.	68	68	-	4
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	N/A
49	LV	LV Line	LV OH Conductor	km	353	350	(3)	3
50	LV	LV Cable	LV UG Cable	km	367	374	7	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	-	-	-	N/A
52	LV	Connections	OH/UG consumer service connections	No.	34,096	34,346	250	4
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	458	449	(9)	3
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	355	359	4	3
55	All	Capacitor Banks	Capacitors including controls	No.	9	10	1	4
56	All	Load Control	Centralised plant	Lot	6	6	-	4
57	All	Load Control	Relays	No.	-	-	-	N/A
58	All	Civils	Cable Tunnels	km	-	-	-	N/A

Historic data from last year's submission.

Company Name	Alpine Energy Limited
For Year Ended	31 March 2023
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.

sch ref	Disclosure Year (year ended)	Asset class	Number of assets at disclosure year end by installation date																																				No. with age unknown	Items at end of year	No. with default dates	Data accuracy [1-4]	
			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								
9	Voltage	Asset category	Units																																								
10	All	Overhead Line	Concrete poles / steel structure	No.	202	3,360	5,479	3,777	2,428	1,570	140	226	252	438	450	817	306	312	309	339	321	141	381	481	378	314	370	231	284	321	482	443	772	--	--	--	106	25,430	--	3			
11	All	Overhead Line	Wood poles	No.	--	7	2,602	1,782	2,172	1,784	1,855	174	207	459	484	402	571	353	514	709	632	853	234	389	346	485	280	241	150	127	161	203	190	255	265	--	--	597	19,074	--	3		
12	All	Overhead Line	Other pole types	No.	--	40	52	36	22	15	7	--	--	3	2	--	--	1	1	2	2	2	6	1	--	--	--	--	--	--	--	--	--	--	--	34	229	--	3				
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	--	3	38	43	11	50	5	--	8	14	--	1	--	--	--	1	--	--	21	29	--	12	--	4	3	--	--	--	--	--	--	288	--	N/A					
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	--	--	--	--	--	1	--	--	--	2	--	21	--	--	--	--	--	--	--	--	--	--	2	3	1	--	--	3	--	--	--	--	32	--	4				
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XPLE)	km	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	N/A				
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	N/A				
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	N/A				
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	N/A				
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XPLE)	km	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	N/A				
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	N/A				
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	N/A				
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	N/A				
23	HV	Subtransmission Cable	Subtransmission submarine cable	km	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	N/A				
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	--	3	1	2	5	1	--	--	--	2	1	--	--	--	--	--	1	4	1	--	--	--	1	2	--	1	--	--	--	--	25	--	3						
25	HV	Zone substation Buildings	Zone substations 110kV+	No.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	N/A				
26	HV	Zone substation switchgear	50/64/110kV CB (Indoor)	No.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	N/A				
27	HV	Zone substation switchgear	50/64/110kV CB (Outdoor)	No.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	2	--	1					
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6	--	--	--	--	--	--	--	--	--	--	--	--	--	--	6	--	3				
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	--	--	11	13	12	7	--	--	--	--	--	--	--	1	--	1	3	6	11	8	6	1	12	--	7	3	1	6	--	--	8	117	--	3					
30	HV	Zone substation switchgear	33kV RMU	No.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	N/A				
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	4	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7	--	3				
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	--	--	1	--	3	3	--	--	--	2	--	--	--	--	--	--	1	--	2	1	3	2	--	1	1	--	--	--	--	--	1	25	--	3					
33	HV	Zone substation switchgear	3.3/6.6/11/23kV CB (ground mounted)	No.	--	--	8	--	--	24	15	--	--	12	14	14	--	--	--	8	5	--	24	24	8	3	--	2	4	--	--	--	--	--	--	165	--	3					
34	HV	Zone substation switchgear	3.3/6.6/11/23kV CB (pole mounted)	No.	--	--	--	--	--	--	--	--	--	--	--	--	--	4	--	--	--	--	--	--	--	2	--	--	--	--	1	1	--	--	--	8	--	3					
35	HV	Zone Substation Transformer	Zone Substation Transformers	No.	--	--	--	4	--	2	--	--	3	--	2	--	2	--	2	1	2	3	--	1	1	--	2	--	--	--	1	2	--	--	27	--	3						
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km	--	887	679	380	286	150	2	27	16	72	62	184	85	49	53	59	30	16	29	39	38	29	27	42	9	10	14	20	28	6	--	2,888	--	3					
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	N/A				
38	HV	Distribution Line	SWER conductor	km	--	--	--	7	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	7	--	3					
39	HV	Distribution Line	Distribution UG XLPE or PVC	km	--	1	1	3	7	8	1	5	15	10	6	11	19	14	19	13	11	11	18	15	8	16	12	17	23	9	6	13	15	20	--	327	--	3					
40	HV	Distribution Line	Distribution UG PILC	km	--	--	8	40	52	30	2	1	--	--	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	135	--	3					
41	HV	Distribution Cable	Distribution Submarine Cable	km	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	N/A				
42	HV	Distribution switchgear	3.3/6.6/11/23kV CB (pole mounted) - reclosers and sectionaliser	No.	--	--	--	--	4	2	4	--	5	2	1	3	1	6	2	8	--	4	5	8	--	4	7	4	2	6	--	4	2	--	6	--	70	--	3				
43	HV	Distribution switchgear	3.3/6.6/11/23kV CB (Indoor)	No.	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	N/A				
44	HV	Distribution switchgear	3.3/6.6/11/23kV Switches and fuses (pole-mounted)	No.	--	1	377	468	394	313	313	27	63	82	154	119	170	130	163	297	275	209	179	275	273	275	346	229	590	339	225	257	198	213	175	--	6	7,085	--	3			
45	HV	Distribution switchgear	3.3/6.6/11/23kV Switch (ground mounted) - except RMU	No.	--	--	1	--	1	1	1	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	1	2	7	8	6	4	10	--	11	56	--	3					
46	HV	Distribution switchgear	3.3/6.6/11/23kV RMU	No.	--	--	6	50	29	32	2	12	11	8	11	14	13	12	14	10	10	7	7	6	11	25	30	23	38	8	16	20	18	28	--	--	482	--	3				
47	HV	Distribution Transformer	Pole Mounted Transformer	No.	4	25	376	642	553	398	507	63	130	133	143	143	76	136	149	111	236	91	75	106	76	163	128	91	73	114	60	61	74	78	34	--	5,036	--	3				
48	HV	Distribution Transformer	Ground Mounted Transformer	No.	--	1	10	46	143	104	30	6	20	36	46	34	52	33	41	63	56	5	10	28	19	32	46	47	38	35	23	14	31	29	11	--	1,119	--	3				
49	HV	Distribution Transformer	Voltage regulators	No.	--	--	--	--	--	--	--	--	--	3	2	--	--	4	10	21	3	5	--	4	6	--	4	--	2	4	2	--	--	--	--	--	68	--	3				
50	HV	Distribution Substations	Ground Mounted Substation Housing	No.</																																							

Company Name **Alpine Energy Limited**

For Year Ended **31 March 2023**

Network / Sub-network Name

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)
11	> 66kV	–	–
12	50kV & 66kV	–	–
13	33kV	250	34
14	SWER (all SWER voltages)	–	7
15	22kV (other than SWER)	145	15
16	6.6kV to 11kV (inclusive—other than SWER)	2,745	454
17	Low voltage (< 1kV)	349	375
18	Total circuit length (for supply)	3,489	885
19			
20	Dedicated street lighting circuit length (km)	–	–
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		36
22			
23	Overhead circuit length by terrain (at year end)	Circuit length (km)	(% of total overhead length)
24	Urban	304	9%
25	Rural	3,089	89%
26	Remote only	–	–
27	Rugged only	96	3%
28	Remote and rugged	–	–
29	Unallocated overhead lines	–	–
30	Total overhead length	3,489	100%
31			
32		Circuit length (km)	(% of total circuit length)
33	Length of circuit within 10km of coastline or geothermal areas (where known)	1,780	41%
34		Circuit length (km)	(% of total overhead length)
35	Overhead circuit requiring vegetation management	755	22%

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 *	Average number or ICPs in disclosure year	Line charge revenue (\$000)
8			
9	N/A		
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

* 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	Alpine Energy Limited
For Year Ended	31 March 2023
Network / Sub-network Name	Alpine Energy Limited

SCHEDULE 9e: REPORT ON NETWORK DEMAND

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

sch ref

9e(i): Consumer Connections and Decommissionings

Number of ICPs connected during year by consumer type

Consumer types defined by EDB*

Consumer types defined by EDB*	Number of connections (ICPs)
Low Charge	18
Low Uncontrolled	-
15	275
015 Uncontrolled	-
360	18
360 Uncontrolled	-
Assessed	18
TOU 400V	-
TOU 11kV	-
IND	-

* include additional rows if needed

Connections total 329

Number of ICPs decommissioned during year by consumer type

Consumer types defined by EDB*

Consumer types defined by EDB*	Number of decommissionings
Low Charge	14
Low Uncontrolled	-
15	41
015 Uncontrolled	-
360	3
360 Uncontrolled	-
Assessed	3
TOU 400V	-
TOU 11kV	-
IND	-

* include additional rows if needed

Decommissionings total 61

Distributed generation

Number of connections made in year	115	connections
Capacity of distributed generation installed in year	0.84	MVA

9e(ii): System Demand

	Demand at time of maximum coincident demand (MW)
Maximum coincident system demand	
GXP demand	135
plus Distributed generation output at HV and above	7
Maximum coincident system demand	142
less Net transfers to (from) other EDBs at HV and above	-
Demand on system for supply to consumers' connection points	142

Electricity volumes carried

	Energy (GWh)	
Electricity supplied from GXPs	817	
less Electricity exports to GXPs	19	
plus Electricity supplied from distributed generation	33	
less Net electricity supplied to (from) other EDBs	-	
Electricity entering system for supply to consumers' connection points	832	
less Total energy delivered to ICPs	812	
Electricity losses (loss ratio)	19	2.3%

Load factor 0.67

9e(iii): Transformer Capacity

	(MVA)
Distribution transformer capacity (EDB owned)	654
Distribution transformer capacity (Non-EDB owned, estimated)	15
Total distribution transformer capacity	669
Zone substation transformer capacity	368

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 this ID determination), and so is subject to the assurance report required by section 2.8.

sch ref

10(i): Interruptions

Interruptions by class

	Number of interruptions
Class A (planned interruptions by Transpower)	26
Class B (planned interruptions on the network)	567
Class C (unplanned interruptions on the network)	447
Class D (unplanned interruptions by Transpower)	58
Class E (unplanned interruptions of EDB owned generation)	-
Class F (unplanned interruptions of generation owned by others)	-
Class G (unplanned interruptions caused by another disclosing entity)	-
Class H (planned interruptions caused by another disclosing entity)	-
Class I (interruptions caused by parties not included above)	2
Total	1,100

Interruption restoration

	≤3Hrs	>3hrs
Class C interruptions restored within	279	168

SAIFI and SAIDI by class

	SAIFI	SAIDI
Class A (planned interruptions by Transpower)	0.0788	30.03
Class B (planned interruptions on the network)	0.3165	89.50
Class C (unplanned interruptions on the network)	0.8807	104.66
Class D (unplanned interruptions by Transpower)	0.2231	17.20
Class E (unplanned interruptions of EDB owned generation)	-	-
Class F (unplanned interruptions of generation owned by others)	-	-
Class G (unplanned interruptions caused by another disclosing entity)	-	-
Class H (planned interruptions caused by another disclosing entity)	-	-
Class I (interruptions caused by parties not included above)	0.0003	0.11
Total	1.4994	241.50

Normalised SAIFI and SAIDI

	Normalised SAIFI	Normalised SAIDI
Classes B & C (interruptions on the network)	1.1972	194.16

Transitional SAIDI and SAIDI (previous method)

Where EDBs do not currently record their SAIFI and SAIDI values using the 'multi-count' approach, they shall continue to record their SAIFI and SAIDI values on the same basis that they employed as at 31 March 2023 as 'Transitional SAIFI' and 'Transitional SAIDI' values, in addition to their SAIFI and SAIDI values (Classes B & C) using the 'multi-count approach'. This is a transitional reporting requirement that shall be in place for the 2024, 2025, and 2026 disclosure years.

	SAIFI	SAIDI
Class B (planned interruptions on the network)	N/a for FY23	N/a for FY23
Class C (unplanned interruptions on the network)	N/a for FY23	N/a for FY23

Company Name **Alpine Energy Limited**For Year Ended **31 March 2023**

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 this 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**

Lightning
Vegetation
Adverse weather
Adverse environment
Third party interference
Wildlife
Human error
Defective equipment
Cause unknown

SAIFI	SAIDI
0.0279	2.44
0.0337	2.57
0.1378	23.96
0.0005	0.00
0.2804	33.85
0.0328	2.96
–	–
0.2555	31.39
0.1121	7.48

Breakdown of third party interference

Dig-in
Overhead contact
Vandalism
Vehicle damage
Other

SAIFI	SAIDI
N/a for FY23	N/a for FY23
N/a for FY23	N/a for FY23
N/a for FY23	N/a for FY23
N/a for FY23	N/a for FY23
N/a for FY23	N/a for FY23

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

Subtransmission lines
Subtransmission cables
Subtransmission other
Distribution lines (excluding LV)
Distribution cables (excluding LV)
Distribution other (excluding LV)

SAIFI	SAIDI
–	–
0.0000	0.01
–	–
0.2756	72.92
0.0366	14.75
0.0042	1.82

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

Subtransmission lines
Subtransmission cables
Subtransmission other
Distribution lines (excluding LV)
Distribution cables (excluding LV)
Distribution other (excluding LV)

SAIFI	SAIDI
–	–
–	–
–	–
0.7928	88.90
0.0852	15.12
0.0000	0.01

10(v): Fault Rate**Main equipment involved**

Subtransmission lines
Subtransmission cables
Subtransmission other
Distribution lines (excluding LV)
Distribution cables (excluding LV)
Distribution other (excluding LV)

Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
2	248	0.81
1	32	3.13
–	–	–
953	2,889	32.99
126	462	27.27
13	–	–
1,095	–	–

Total