



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

Company Name	Alpine Energy Limited
Disclosure Date	30 November 2023
Disclosure Year (year ended)	31 March 2022

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

Table of Contents

Schedule	Schedule name
1	<u>ANALYTICAL RATIOS</u>
2	<u>REPORT ON RETURN ON INVESTMENT</u>
3	<u>REPORT ON REGULATORY PROFIT</u>
4	<u>REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)</u>
5a	<u>REPORT ON REGULATORY TAX ALLOWANCE</u>
5b	<u>REPORT ON RELATED PARTY TRANSACTIONS</u>
5c	<u>REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE</u>
5d	<u>REPORT ON COST ALLOCATIONS</u>
5e	<u>REPORT ON ASSET ALLOCATIONS</u>
6a	<u>REPORT ON CAPITAL EXPENDITURE FOR THE DISCLOSURE YEAR</u>
6b	<u>REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR</u>
7	<u>COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE</u>
8	<u>REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES</u>
9a	<u>ASSET REGISTER</u>
9b	<u>ASSET AGE PROFILE</u>
9c	<u>REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES</u>
9d	<u>REPORT ON EMBEDDED NETWORKS</u>
9e	<u>REPORT ON NETWORK DEMAND</u>
10	<u>REPORT ON NETWORK RELIABILITY</u>

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	Alpine Energy Limited
For Year Ended	31 March 2022

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	28,800	669	165,370	5,143	37,076
Network	8,976	208	51,540	1,603	11,555
Non-network	19,824	460	113,830	3,540	25,521
Expenditure on assets	31,194	724	179,114	5,570	40,157
Network	29,366	682	168,618	5,244	37,804
Non-network	1,828	42	10,497	326	2,353

17 **1(ii): Revenue metrics**

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
Total consumer line charge revenue	68,091	1,581
Standard consumer line charge revenue	84,297	1,440
Non-standard consumer line charge revenue	22,972	390,736

23 **1(iii): Service intensity measures**

Demand density	31	Maximum coincident system demand per km of circuit length (for supply) (kW/km)
Volume density	179	Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
Connection point density	8	Average number of ICPs per km of circuit length (for supply) (ICPs/km)
Energy intensity	23,217	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

30 **1(iv): Composition of regulatory income**

	(\$000)	% of revenue
Operational expenditure	22,245	42.28%
Pass-through and recoverable costs excluding financial incentives and wash-ups	14,039	26.68%
Total depreciation	9,610	18.27%
Total revaluations	16,319	31.02%
Regulatory tax allowance	2,348	4.46%
Regulatory profit/(loss) including financial incentives and wash-ups	20,690	39.32%
Total regulatory income	52,614	

40 **1(v): Reliability**

Interruption rate	26.12	Interruptions per 100 circuit km
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Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2022**

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(i): Return on Investment		CY-2	CY-1	Current Year CY
		31 Mar 20	31 Mar 21	31 Mar 22
		%	%	%
7	ROI – comparable to a post tax WACC			
8				
9	Reflecting all revenue earned	12.61%	6.50%	8.82%
10	Excluding revenue earned from financial incentives	12.50%	6.45%	8.44%
11	Excluding revenue earned from financial incentives and wash-ups	9.97%	6.45%	8.48%
12				
13				
14	Mid-point estimate of post tax WACC	4.27%	3.72%	3.52%
15	25th percentile estimate	3.59%	3.04%	2.84%
16	75th percentile estimate	4.95%	4.40%	4.20%
17				
18				
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	13.04%	6.83%	9.12%
21	Excluding revenue earned from financial incentives	12.92%	6.78%	8.74%
22	Excluding revenue earned from financial incentives and wash-ups	10.40%	6.78%	8.78%
23				
24	WACC rate used to set regulatory price path	7.19%	4.57%	4.57%
25				
26	Mid-point estimate of vanilla WACC	4.69%	4.05%	3.82%
27	25th percentile estimate	4.01%	3.37%	3.14%
28	75th percentile estimate	5.37%	4.73%	4.50%
29				
30	2(ii): Information Supporting the ROI			
31				
32	Total opening RAB value	236,905		
33	plus Opening deferred tax	(16,340)		
34	Opening RIV		220,564	
35				
36	Line charge revenue		52,594	
37				
38	Expenses cash outflow	36,285		
39	add Assets commissioned	18,554		
40	less Asset disposals	54		
41	add Tax payments	862		
42	less Other regulated income	20		
43	Mid-year net cash outflows		55,627	
44				
45	Term credit spread differential allowance		–	
46				
47	Total closing RAB value	267,127		
48	less Adjustment resulting from asset allocation	5,012		
49	less Lost and found assets adjustment	–		
50	plus Closing deferred tax	(17,826)		
51	Closing RIV		244,289	
52				
53	ROI – comparable to a vanilla WACC			9.12%
54				
55	Leverage (%)			42%
56	Cost of debt assumption (%)			2.55%
57	Corporate tax rate (%)			28%
58				
59	ROI – comparable to a post tax WACC			8.82%
60				

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2022**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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

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

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sch ref

2(iii): Information Supporting the Monthly ROI

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		8.56%
95			
96	Year-end ROI – comparable to a post tax WACC		8.26%
97			
98	<i>* 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.</i>		
99			

2(v): Financial Incentives and Wash-Ups

100			
101			
102	Net recoverable costs allowed under incremental rolling incentive scheme	898	
103	Purchased assets – avoided transmission charge	-	
104	Energy efficiency and demand incentive allowance	-	
105	Quality incentive adjustment	251	
106	Other financial incentives	-	
107	Financial incentives		1,149
108			
109	Impact of financial incentives on ROI		0.38%
110			
111	Input methodology claw-back	-	
112	CPP application recoverable costs	-	
113	Catastrophic event allowance	-	
114	Capex wash-up adjustment	(130)	
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		(130)
120			
121	Impact of wash-up costs on ROI		-0.04%

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2022**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

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

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

sch ref

7 3(i): Regulatory Profit		(\$000)
8	Income	
9	Line charge revenue	52,594
10	plus Gains / (losses) on asset disposals	20
11	plus Other regulated income (other than gains / (losses) on asset disposals)	-
12		
13	Total regulatory income	52,614
14	Expenses	
15	less Operational expenditure	22,245
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	14,039
18		
19	Operating surplus / (deficit)	16,329
20		
21	less Total depreciation	9,610
22		
23	plus Total revaluations	16,319
24		
25	Regulatory profit / (loss) before tax	23,038
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	2,348
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	20,690
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	115
36	Commerce Act levies	106
37	Industry levies	163
38	CPP specified pass through costs	-
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	12,308
41	Transpower new investment contract charges	1,337
42	System operator services	10
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	14,039
47		

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2022**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

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

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sch ref

		(\$000)	
		CY-1	CY
		31 Mar 21	31 Mar 22
48	3(iii): Incremental Rolling Incentive Scheme		
49			
50			
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			
57	CY-5 31 Mar 17	-	-
58	CY-4 31 Mar 18	-	-
59	CY-3 31 Mar 19	-	-
60	CY-2 31 Mar 20	-	-
61	CY-1 31 Mar 21	-	-
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		-

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2022**

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

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

	for year ended	RAB 31 Mar 18 (\$000)	RAB 31 Mar 19 (\$000)	RAB 31 Mar 20 (\$000)	RAB 31 Mar 21 (\$000)	RAB 31 Mar 22 (\$000)
Total opening RAB value		190,264	214,359	218,988	227,918	236,905
<i>less</i> Total depreciation		9,046	9,135	8,967	9,319	9,610
<i>plus</i> Total revaluations		2,093	3,180	5,549	3,466	16,319
<i>plus</i> Assets commissioned		31,047	17,450	11,929	14,839	18,554
<i>less</i> Asset disposals		-	-	4	-	54
<i>plus</i> Lost and found assets adjustment		-	-	424	-	-
<i>plus</i> Adjustment resulting from asset allocation		-	(6,867)	-	-	5,012
Total closing RAB value		214,359	218,988	227,918	236,905	267,127

4(ii): Unallocated Regulatory Asset Base

	Unallocated RAB *	RAB
	(\$000)	(\$000)
Total opening RAB value	242,185	236,905
<i>less</i> Total depreciation	9,634	9,610
<i>plus</i> Total revaluations	16,685	16,319
<i>plus</i> Assets commissioned (other than below)	9,192	9,193
<i>plus</i> Assets acquired from a regulated supplier	-	-
<i>plus</i> Assets acquired from a related party	9,360	9,360
Assets commissioned	18,553	18,554
<i>less</i> Asset disposals (other than below)	54	54
<i>less</i> Asset disposals to a regulated supplier	-	-
<i>less</i> Asset disposals to a related party	-	-
Asset disposals	54	54
<i>plus</i> Lost and found assets adjustment	-	-
<i>plus</i> Adjustment resulting from asset allocation	-	5,012
Total closing RAB value	267,735	267,127

* 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 **Alpine Energy Limited**
 For Year Ended **31 March 2022**

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

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

CPI _t	1,142
CPI _{t-4}	1,068
Revaluation rate (%)	6.93%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	242,185		236,905	
less Opening value of fully depreciated, disposed and lost assets	1,381		1,381	
Total opening RAB value subject to revaluation	240,804		235,524	
Total revaluations		16,685		16,319

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction		Allocated works under construction	
Works under construction—preceding disclosure year		3,546		3,544
plus Capital expenditure	20,641		20,614	
less Assets commissioned	18,553		18,554	
plus Adjustment resulting from asset allocation			-	
Works under construction - current disclosure year		5,634		5,605
Highest rate of capitalised finance applied				-

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2022**

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

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

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
79 Depreciation - standard	8,263		8,263	
80 Depreciation - no standard life assets	1,372		1,347	
81 Depreciation - modified life assets	--		--	
82 Depreciation - alternative depreciation in accordance with CPP	--		--	
83 Total depreciation		9,634		9,610

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
87 N/a	N/a	N/a	N/a	N/a
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
99 Total opening RAB value	12,741	5,297	54,756	53,080	52,845	22,821	15,050	9,154	11,160	236,905
100 less Total depreciation	640.0	95	1,926	1,949	1,695	1,131	435	392	1,347	9,610
101 plus Total revaluations	883.0	248	3,610	3,703	3,662	1,771	1,035	634	773	16,319
102 plus Assets commissioned	0	8	3,422	4,648	5,362	1,051	2,177	425	1,461	18,554
103 less Asset disposals	0.0	0	4	0	0	0	0	46	4	54
104 plus Lost and found assets adjustment	0.0	0	0	0	0	0	0	0	0	0
105 plus Adjustment resulting from asset allocation	0.0	0	0	0	0	0	0	0	5,012	5,012
106 plus Asset category transfers	0.0	0	0	0	0	0	0	0	0	0
107 Total closing RAB value	12,984	5,458	59,858	59,482	60,174	24,512	17,827	9,775	17,055	267,127
109 Asset Life										
110 Weighted average remaining asset life	33	39	34	34	40	26	35	31	24	(years)
111 Weighted average expected total asset life	51	45	43	53	56	45	41	41	26	(years)

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2022**

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 100.

sch ref

		(\$000)	
7	5a(i): Regulatory Tax Allowance		
8	Regulatory profit / (loss) before tax		23,038
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	20	*
12	Amortisation of initial differences in asset values	2,718	
13	Amortisation of revaluations	1,262	
14			3,999
15			
16	<i>less</i> Total revaluations	16,319	
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	2,333	
21			18,652
22			
23	Regulatory taxable income		8,385
24			
25	<i>less</i> Utilised tax losses	-	
26	Regulatory net taxable income		8,385
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		2,348

* 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)

35			
36	Opening unamortised initial differences in asset values	37,201	
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		34,483
41			
42	Opening weighted average remaining useful life of relevant assets (years)		13.7
43			

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2022**

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 100.

sch ref

44	5a(iv): Amortisation of Revaluations		(\$000)
45			
46	Opening sum of RAB values without revaluations	213,664	
47			
48	Adjusted depreciation	8,348	
49	Total depreciation	9,610	
50	Amortisation of revaluations		1,262
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	(16,340)	
61			
62	plus Tax effect of adjusted depreciation	2,338	
63			
64	less Tax effect of tax depreciation	3,191	
65			
66	plus Tax effect of other temporary differences*	129	
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	-	
75			
76	Closing deferred tax		(17,826)
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	119,222	
84	less Tax depreciation	11,397	
85	plus Regulatory tax asset value of assets commissioned	18,554	
86	less Regulatory tax asset value of asset disposals	54	
87	plus Lost and found assets adjustment	-	
88	plus Adjustment resulting from asset allocation	5,012	
89	plus Other adjustments to the RAB tax value	-	
90	Closing sum of regulatory tax asset values		131,337

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2022**

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

5b(i): Summary—Related Party Transactions		(\$000)	(\$000)
7	Total regulatory income		–
8			
9			
10	Market value of asset disposals		–
11			
12	Service interruptions and emergencies	1,869	
13	Vegetation management	354	
14	Routine and corrective maintenance and inspection	2,773	
15	Asset replacement and renewal (opex)	92	
16	Network opex		5,088
17	Business support	–	
18	System operations and network support	888	
19	Operational expenditure		5,976
20	Consumer connection	1,596	
21	System growth	376	
22	Asset replacement and renewal (capex)	8,616	
23	Asset relocations	84	
24	Quality of supply	–	
25	Legislative and regulatory	–	
26	Other reliability, safety and environment	148	
27	Expenditure on non-network assets		18
28	Expenditure on assets		10,838
29	Cost of financing		–
30	Value of capital contributions		–
31	Value of vested assets		–
32	Capital Expenditure		10,838
33	Total expenditure		16,814
34			
35	Other related party transactions		117

5b(iii): Total Opex and Capex Related Party Transactions		
Name of related party	Nature of opex or capex service provided	Total value of transactions (\$000)
NETcon - Capex	Consumer connection	1,596
NETcon - Capex	Asset replacement and renewal (capex)	8,616
NETcon - Capex	System growth	376
NETcon - Capex	Asset relocations	84
NETcon - Capex	Other reliability, safety and environment	148
NETcon - Capex	Expenditure on non-network assets	18
NETcon - Opex	Service interruptions and emergencies	1,869
NETcon - Opex	Vegetation management	354
NETcon - Opex	Routine and corrective maintenance and inspection	2,773
NETcon - Opex	Asset replacement and renewal (opex)	92
NETcon - Opex	System operations and network support	888
Total value of related party transactions		16,814

* include additional rows if needed

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2022**

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

7
8
9

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								

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2022**

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

		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		2,084			
12	Not directly attributable	-	-	-	-	-
13	Total attributable to regulated service		2,084			
14	Vegetation management					
15	Directly attributable		831			
16	Not directly attributable	-	-	-	-	-
17	Total attributable to regulated service		831			
18	Routine and corrective maintenance and inspection					
19	Directly attributable		3,843			
20	Not directly attributable	-	-	-	-	-
21	Total attributable to regulated service		3,843			
22	Asset replacement and renewal					
23	Directly attributable		175			
24	Not directly attributable	-	-	-	-	-
25	Total attributable to regulated service		175			
26	System operations and network support					
27	Directly attributable		7,563			
28	Not directly attributable	-	-	-	-	-
29	Total attributable to regulated service		7,563			
30	Business support					
31	Directly attributable		402			
32	Not directly attributable	-	7,348	1,038	8,385	-
33	Total attributable to regulated service		7,750			
34						
35	Operating costs directly attributable		14,898			
36	Operating costs not directly attributable	-	7,348	1,038	8,385	-
37	Operational expenditure		22,245			
38						

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2022**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

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

	(\$000)
40 Pass through and recoverable costs	
41 Pass through costs	
42 Directly attributable	384
43 Not directly attributable	-
44 Total attributable to regulated service	384
45 Recoverable costs	
46 Directly attributable	13,655
47 Not directly attributable	-
48 Total attributable to regulated service	13,655

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

		(\$000)	
		CY-1	Current Year (CY)
51 Change in cost allocation 1			
52 Cost category	Business Support Costs		
53 Original allocator or line items	Timesheets	8,594	8,184
54 New allocator or line items	Revenue	7,716	7,348
55		878	836
56			
57 Rationale for change	Revenue from regulated versus non-regulated activities is deemed to be a more accurate representation of the cost allocation than timesheet allocations as it reflects the output of the activities (and therefore the costs associated with it) more accurately.		

		(\$000)	
		CY-1	Current Year (CY)
60 Change in cost allocation 2			
61 Cost category	N/a		
62 Original allocator or line items			
63 New allocator or line items		-	-
64			
65 Rationale for change	N/a		

		(\$000)	
		CY-1	Current Year (CY)
69 Change in cost allocation 3			
70 Cost category	N/a		
71 Original allocator or line items			
72 New allocator or line items		-	-
73			
74 Rationale for change	N/a		

* 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 **Alpine Energy Limited**
 For Year Ended **31 March 2022**

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

5e(i): Regulated Service Asset Values

	Value allocated (\$000s) Electricity distribution services
Subtransmission lines	
Directly attributable	12,984
Not directly attributable	-
Total attributable to regulated service	12,984
Subtransmission cables	
Directly attributable	5,458
Not directly attributable	-
Total attributable to regulated service	5,458
Zone substations	
Directly attributable	59,858
Not directly attributable	-
Total attributable to regulated service	59,858
Distribution and LV lines	
Directly attributable	59,482
Not directly attributable	-
Total attributable to regulated service	59,482
Distribution and LV cables	
Directly attributable	60,174
Not directly attributable	-
Total attributable to regulated service	60,174
Distribution substations and transformers	
Directly attributable	24,512
Not directly attributable	-
Total attributable to regulated service	24,512
Distribution switchgear	
Directly attributable	17,827
Not directly attributable	-
Total attributable to regulated service	17,827
Other network assets	
Directly attributable	9,775
Not directly attributable	-
Total attributable to regulated service	9,775
Non-network assets	
Directly attributable	608
Not directly attributable	16,447
Total attributable to regulated service	17,055
Regulated service asset value directly attributable	250,680
Regulated service asset value not directly attributable	16,447
Total closing RAB value	267,127

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

		(\$000)		
		CY-1	Current Year (CY)	
Change in asset value allocation 1				
Asset category	Land and Buildings	Original allocation	5,638	7,609
Original allocator or line items	Headcount	New allocation	10,717	12,663
New allocator or line items	Expenditure	Difference	(5,079)	(5,054)
Rationale for change	The expenditure ratio between allocated and unallocated spending is a more accurate reflection of the use of the spending than the headcount ratio. The headcount ratio was previously determined based on the Alpine House being occupied by Alpine Energy Limited and NETcon and Infratec employees. However, Alpine house was occupied only by Alpine Energy Limited employees in the current disclosure year and headcount is therefore no longer an accurate proxy.			
Change in asset value allocation 2				
Asset category	Computers and Software	Original allocation	5,117	3,515
Original allocator or line items	Fully allocated	New allocation	5,071	3,483
New allocator or line items	Expenditure	Difference	46	32
Rationale for change	The expenditure ratio between allocated and unallocated spending is a more accurate reflection of the use of the spending than full allocation.			
Change in asset value allocation 3				
Asset category	Motor Vehicles	Original allocation	155	310
Original allocator or line items	Fully allocated	New allocation	150	300
New allocator or line items	Expenditure	Difference	5	10
Rationale for change	The expenditure ratio between allocated and unallocated spending is a more accurate reflection of the use of the spending than full allocation.			

* a change in asset allocation must be completed for each allocator or component change that has occurred in the disclosure year. A movement in an allocator metric is not a change in allocator or component.
 † include additional rows if needed

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2022**

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

	(\$000)	(\$000)
6a(i): Expenditure on Assets		
Consumer connection		5,198
System growth		3,296
Asset replacement and renewal		13,201
Asset relocations		140
Reliability, safety and environment:		
Quality of supply	–	
Legislative and regulatory	–	
Other reliability, safety and environment	848	
Total reliability, safety and environment		848
Expenditure on network assets		22,682
Expenditure on non-network assets		1,412
Expenditure on assets		24,094
plus Cost of financing		–
less Value of capital contributions		3,480
plus Value of vested assets		–
Capital expenditure		20,614
6a(ii): Subcomponents of Expenditure on Assets (where known)		(\$000)
Energy efficiency and demand side management, reduction of energy losses		–
Overhead to underground conversion		326
Research and development		–
6a(iii): Consumer Connection		
<i>Consumer types defined by EDB*</i>	(\$000)	(\$000)
Commercial	1,936	
HV alterations	299	
Irrigation	486	
LV alterations	60	
Residential	1,410	
Subdivision	1,007	
<i>* include additional rows if needed</i>		
Consumer connection expenditure		5,198
less Capital contributions funding consumer connection expenditure	3,219	
Consumer connection less capital contributions		1,979
6a(iv): System Growth and Asset Replacement and Renewal		
	System Growth (\$000)	Asset Replacement and Renewal (\$000)
Subtransmission	198	376
Zone substations	901	329
Distribution and LV lines	–	6,165
Distribution and LV cables	1,724	1,900
Distribution substations and transformers	1	680
Distribution switchgear	467	3,136
Other network assets	5	615
System growth and asset replacement and renewal expenditure	3,296	13,201
less Capital contributions funding system growth and asset replacement and renewal	–	214
System growth and asset replacement and renewal less capital contributions	3,296	12,987
6a(v): Asset Relocations		
<i>Project or programme*</i>	(\$000)	(\$000)
FLE Relocate D/Box 1219 Fairlie	8	
Forth Street 11 kV OHUG	52	
James Street, Timaru Relocate L23	15	
Lilybank Rd, Tek #25486 move for MDC	1	
Morris Rd Morven	31	
TIM Branscombe Street new connection x 4	4	
TIM Dawson Street OHUG	28	
TIM Mahoneys Hill Pole relocate	0	
<i>* include additional rows if needed</i>		
All other projects or programmes - asset relocations	–	
Asset relocations expenditure		140
less Capital contributions funding asset relocations	47	
Asset relocations less capital contributions		92

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2022**

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

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

sch ref

68				
69	6a(vi): Quality of Supply			
70	<i>Project or programme*</i>		(\$000)	(\$000)
71	N/a		-	
72			-	
73			-	
74			-	
75			-	
76	<i>* include additional rows if needed</i>			
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	<i>Project or programme*</i>		(\$000)	(\$000)
83	N/a		-	
84			-	
85			-	
86			-	
87			-	
88	<i>* include additional rows if needed</i>			
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	<i>Project or programme*</i>		(\$000)	(\$000)
95	Automation		71	
96	Communications		196	
97	Reclosers		581	
98				
99				
100	<i>* include additional rows if needed</i>			
101	All other projects or programmes - other reliability, safety and environment		-	
102	Other reliability, safety and environment expenditure			848
103	less Capital contributions funding other reliability, safety and environment		-	
104	Other reliability, safety and environment less capital contributions			848
105				
106	6a(ix): Non-Network Assets			
107	Routine expenditure			
108	<i>Project or programme*</i>		(\$000)	(\$000)
109	Plant and Equipment		37	
110	Software and IT		915	
111	Land and buildings		172	
112				
113				
114	<i>* include additional rows if needed</i>			
115	All other projects or programmes - routine expenditure		-	
116	Routine expenditure			1,124
117	Atypical expenditure			
118	<i>Project or programme*</i>		(\$000)	(\$000)
119	Land and Buildings		72	
120	Software and IT		216	
121				
122				
123				
124	<i>* include additional rows if needed</i>			
125	All other projects or programmes - atypical expenditure		-	
126	Atypical expenditure			288
127				
128	Expenditure on non-network assets			1,412

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2022**

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	2,084	
9	Vegetation management	831	
10	Routine and corrective maintenance and inspection	3,843	
11	Asset replacement and renewal	175	
12	Network opex		6,933
13	System operations and network support	7,563	
14	Business support	7,750	
15	Non-network opex		15,312
16			
17	Operational expenditure		22,245
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		297
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name **Alpine Energy Limited**
For Year Ended **31 March 2022**

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(i): Revenue		Target (\$000) ¹	Actual (\$000)	% variance
7				
8	Line charge revenue	54,104	52,594	(3%)
7(ii): Expenditure on Assets		Forecast (\$000) ²	Actual (\$000)	% variance
9				
10	Consumer connection	2,400	5,198	117%
11	System growth	2,921	3,296	13%
12	Asset replacement and renewal	10,297	13,201	28%
13	Asset relocations	500	140	(72%)
14	Reliability, safety and environment:			
15	Quality of supply	–	–	–
16	Legislative and regulatory	–	–	–
17	Other reliability, safety and environment	1,210	848	(30%)
18	Total reliability, safety and environment	1,210	848	(30%)
19	Expenditure on network assets	17,328	22,682	31%
20	Expenditure on non-network assets	1,837	1,412	(23%)
21	Expenditure on assets	19,165	24,094	26%
7(iii): Operational Expenditure				
22				
23	Service interruptions and emergencies	2,045	2,084	2%
24	Vegetation management	820	831	1%
25	Routine and corrective maintenance and inspection	3,330	3,843	15%
26	Asset replacement and renewal	290	175	(40%)
27	Network opex	6,485	6,933	7%
28	System operations and network support	4,886	7,563	55%
29	Business support	9,038	7,750	(14%)
30	Non-network opex	13,924	15,312	10%
31	Operational expenditure	20,409	22,245	9%
7(iv): Subcomponents of Expenditure on Assets (where known)				
32				
33	Energy efficiency and demand side management, reduction of energy losses	–	–	–
34	Overhead to underground conversion	500	326	(35%)
35	Research and development	–	–	–
36				
7(v): Subcomponents of Operational Expenditure (where known)				
37				
38	Energy efficiency and demand side management, reduction of energy losses	–	–	–
39	Direct billing	–	–	–
40	Research and development	–	–	–
41	Insurance	250	297	19%

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 **Alpine Energy Limited**
 For Year Ended **31 March 2022**
 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)	
LOWHCA	Low Charge	Standard	2,097	13,307	
LOWLCA	Low Charge	Standard	10,683	63,164	
LOWUHCA	Low Uncontrolled	Standard	16	99	
LOWULCA	Low Uncontrolled	Standard	41	240	
015HCA	015	Standard	5,825	56,213	
015LCA	015	Standard	11,410	99,746	
015UHCA	015 Uncontrolled	Standard	35	510	
015ULCA	015 Uncontrolled	Standard	39	344	
360HCA	360	Standard	519	10,297	
360LCA	360	Standard	733	20,884	
360UHCA	360 Uncontrolled	Standard	14	634	
360ULCA	360 Uncontrolled	Standard	15	363	
ASSHCA	Assessed	Standard	1,283	105,313	
ASSLCA	Assessed	Standard	402	37,080	
TOU400HCA	TOU 400V	Standard	37	22,251	
TOU400LCA	TOU 400V	Standard	100	100,324	
TOU11HCA	TOU 11kV	Standard	4	23,950	
TOU11LCA	TOU 11kV	Standard	4	13,569	
Individual Direct Billed	IND	Non-standard	12	204,114	
Standard consumer totals				33,257	568,288
Non-standard consumer totals				12	204,114
Total for all consumers				33,269	772,401

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

Price component	Billed quantities by price component							
	Distribution Fixed	Distribution Variable Day	Distribution Variable Night	Distribution Demand	Transmission Fixed	Transmission Variable Day	Transmission Variable Night	Transmission Demand
Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	Number of ICP's	MWh	MWh	MW	Number of ICP's	MWh	MWh	MW
	2,097	9,652	3,655	-	-	9,652	3,655	-
	10,683	45,817	17,347	-	-	45,817	17,347	-
	16	72	27	-	-	72	27	-
	41	174	66	-	-	174	66	-
	5,825	40,775	15,438	-	-	40,775	15,438	-
	11,410	72,352	27,394	-	-	72,352	27,394	-
	35	370	140	-	35	370	140	-
	39	250	95	-	39	250	95	-
	519	7,469	2,828	-	-	7,469	2,828	-
	733	15,149	5,736	-	-	15,149	5,736	-
	14	460	174	-	14	460	174	-
	15	263	100	-	15	263	100	-
	1,283	76,186	29,128	109	-	76,186	29,128	109
	402	26,948	10,131	37	-	26,948	10,131	37
	37	15,594	6,657	8	-	15,594	6,657	8
	100	68,762	31,562	22	-	68,762	31,562	22
	4	17,184	6,766	7	-	17,184	6,766	7
	4	9,370	4,198	4	-	9,370	4,198	4
	12	137,408	66,705	-	-	137,408	66,705	-
	33,257	406,848	161,440	187	103	406,848	161,440	187
	12	137,408	66,705	-	-	137,408	66,705	-
	33,269	544,256	228,145	187	103	544,256	228,145	187

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

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2022**
 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)
LOWHCA	Low Charge	Standard	\$1,392	-
LOWLCA	Low Charge	Standard	\$6,297	-
LOWUHCA	Low Uncontrolled	Standard	\$13	-
LOWULCA	Low Uncontrolled	Standard	\$29	-
015HCA	015	Standard	\$5,440	-
015LCA	015	Standard	\$9,660	-
015UHCA	015 Uncontrolled	Standard	\$47	-
015ULCA	015 Uncontrolled	Standard	\$41	-
360HCA	360	Standard	\$1,559	-
360LCA	360	Standard	\$2,050	-
360UHCA	360 Uncontrolled	Standard	\$60	-
360ULCA	360 Uncontrolled	Standard	\$43	-
ASSHCA	Assessed	Standard	\$10,947	-
ASSLCA	Assessed	Standard	\$3,054	-
TOU400HCA	TOU 400V	Standard	\$1,456	-
TOU400LCA	TOU 400V	Standard	\$3,932	-
TOU11HCA	TOU 11kV	Standard	\$1,122	-
TOU11LCA	TOU 11kV	Standard	\$764	-
Individual Direct Billed	IND	Non-standard	\$4,689	-
Standard consumer totals			\$47,905	-
Non-standard consumer totals			\$4,689	-
Total for all consumers			\$52,594	-

Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$ per day, \$ per kWh, etc.)
\$1,134	\$258	
\$5,071	\$1,226	
\$9	\$4	
\$19	\$10	
\$4,349	\$1,091	
\$7,724	\$1,935	
\$30	\$17	
\$26	\$15	
\$1,359	\$200	
\$1,644	\$405	
\$44	\$15	
\$33	\$10	
\$7,830	\$3,117	
\$1,878	\$1,176	
\$978	\$478	
\$2,862	\$1,070	
\$728	\$394	
\$427	\$338	
\$3,453	\$1,236	
\$36,146	\$11,759	
\$3,453	\$1,236	
\$39,599	\$12,995	

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)
\$103	\$792	\$238	-	-	\$222	\$36	-
\$539	\$3,500	\$1,032	-	-	\$1,054	\$172	-
\$1	\$6	\$2	-	-	\$3	\$1	-
\$2	\$13	\$4	-	-	\$8	\$2	-
\$2,942	\$1,211	\$196	-	-	\$938	\$153	-
\$5,228	\$2,149	\$348	-	-	\$1,664	\$271	-
\$17	\$11	\$2	-	\$7	\$9	\$1	-
\$18	\$7	\$1	-	\$8	\$6	\$1	-
\$1,101	\$222	\$36	-	-	\$172	\$28	-
\$1,122	\$450	\$73	-	-	\$348	\$57	-
\$29	\$14	\$2	-	\$3	\$11	\$2	-
\$24	\$8	\$1	-	\$3	\$6	\$1	-
\$887	\$2,263	\$370	\$4,310	-	\$1,752	\$288	\$1,077
\$188	\$800	\$129	\$761	-	\$620	\$100	\$455
\$18	\$176	\$32	\$752	-	\$97	\$17	\$364
\$38	\$963	\$189	\$1,672	-	\$316	\$63	\$691
\$2	\$335	\$57	\$334	-	\$175	\$30	\$189
\$2	\$128	\$25	\$272	-	\$99	\$19	\$219
\$3,453	-	-	-	\$1,236	-	-	-
\$12,259	\$13,049	\$2,737	\$8,101	\$22	\$7,500	\$1,243	\$2,994
\$3,453	-	-	-	\$1,236	-	-	-
\$15,712	\$13,049	\$2,737	\$8,101	\$1,257	\$7,500	\$1,243	\$2,994

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

Check

Company Name	Alpine Energy Limited
For Year Ended	31 March 2022
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

sch ref	Voltage	Asset category	Asset class	Units	Items at start of	Items at end of	Net change	Data accuracy
					year (quantity)	year (quantity)		(1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	25,049	25,192	143	3
9	All	Overhead Line	Wood poles	No.	19,813	19,393	(420)	3
10	All	Overhead Line	Other pole types	No.	244	233	(11)	3
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	250	250	-	3
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	34	34	-	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	23	-	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.	119	114	(5)	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.	25	22	(3)	4
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	168	163	(5)	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	2,903	2,887	(16)	3
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	N/A
36	HV	Distribution Line	SWER conductor	km	7	7	-	4
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	296	298	2	2
38	HV	Distribution Cable	Distribution UG PILC	km	143	136	(7)	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.	62	69	7	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.	6,892	7,076	184	2
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	36	44	8	4
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	444	462	18	4
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	4,991	5,017	26	4
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	1,063	1,098	35	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	354	353	(1)	3
50	LV	LV Cable	LV UG Cable	km	360	367	7	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	-	-	-	N/A
52	LV	Connections	OH/UG consumer service connections	No.	33,805	34,096	291	4
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	449	458	9	3
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	352	355	3	3
55	All	Capacitor Banks	Capacitors including controls	No.	9	9	-	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

Company Name	Alpine Energy Limited
For Year Ended	31 March 2022
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)	2,741	419
17	Low voltage (< 1kV)	352	361
18	Total circuit length (for supply)	3,489	837
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)	1,748	40%
34		Circuit length (km)	(% of total overhead length)
35	Overhead circuit requiring vegetation management	734	21%

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2022**

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	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 2022
Network / Sub-network Name	

SCHEDULE 9e: REPORT ON NETWORK DEMAND

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

sch ref

8	9e(i): Consumer Connections		
9	Number of ICPs connected in year by consumer type		
10	Consumer types defined by EDB*	Number of connections (ICPs)	
11	Low Charge	25	
12	Low Uncontrolled	0	
	15	272	
	015 Uncontrolled	0	
	360	16	
	360 Uncontrolled	0	
	Assessed	10	
13	TOU 400V	1	
14	TOU 11kV	0	
15	IND	0	
16	* include additional rows if needed		
17	Connections total	324	
18			
19	Distributed generation		
20	Number of connections made in year	56	connections
21	Capacity of distributed generation installed in year	0.35	MVA
22	9e(ii): System Demand		
23			
24		Demand at time of maximum coincident demand (MW)	
25	Maximum coincident system demand		
26	GXP demand	128	
27	plus Distributed generation output at HV and above	7	
28	Maximum coincident system demand	135	
29	less Net transfers to (from) other EDBs at HV and above	-	
30	Demand on system for supply to consumers' connection points	135	
31	Electricity volumes carried	Energy (GWh)	
32	Electricity supplied from GXPs	784	
33	less Electricity exports to GXPs	23	
34	plus Electricity supplied from distributed generation	39	
35	less Net electricity supplied to (from) other EDBs	-	
36	Electricity entering system for supply to consumers' connection points	801	
37	less Total energy delivered to ICPs	772	
38	Electricity losses (loss ratio)	29	3.6%
39			
40	Load factor	0.68	
41	9e(iii): Transformer Capacity		
42		(MVA)	
43	Distribution transformer capacity (EDB owned)	600	
44	Distribution transformer capacity (Non-EDB owned, estimated)	20	
45	Total distribution transformer capacity	620	
46			
47	Zone substation transformer capacity	368	

Company Name	Alpine Energy Limited
For Year Ended	31 March 2022
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

10(i): Interruptions

		Number of interruptions	
8	10(i): Interruptions		
9	Interruptions by class		
10	Class A (planned interruptions by Transpower)	2	
11	Class B (planned interruptions on the network)	597	
12	Class C (unplanned interruptions on the network)	525	
13	Class D (unplanned interruptions by Transpower)	4	
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)	2	
19	Total	1,130	
20			
21	Interruption restoration		
22	Class C interruptions restored within	≤3Hrs	>3hrs
23		276	249
24			
24	SAIFI and SAIDI by class	SAIFI	SAIDI
25	Class A (planned interruptions by Transpower)	0.0007	0.25
26	Class B (planned interruptions on the network)	0.2437	85.36
27	Class C (unplanned interruptions on the network)	0.8626	211.73
28	Class D (unplanned interruptions by Transpower)	0.0337	1.38
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)	0.0031	1.11
34	Total	1.1438	299.83
35			
36			
36	Normalised SAIFI and SAIDI		
37	Classes B & C (interruptions on the network)	Normalised SAIFI	Normalised SAIDI
38		1.1022	232.53

Company Name	Alpine Energy Limited
For Year Ended	31 March 2022
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	0.0010	0.06
Vegetation	0.0428	4.30
Adverse weather	0.2391	129.27
Adverse environment	-	-
Third party interference	0.1601	18.39
Wildlife	0.1313	9.21
Human error	0.0002	0.00
Defective equipment	0.2052	38.74
Cause unknown	0.0829	11.75

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	-	-
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	0.2150	75.31
Distribution cables (excluding LV)	0.0286	10.05
Distribution other (excluding LV)	-	-

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.0037	0.41
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	0.8451	209.66
Distribution cables (excluding LV)	0.0134	1.64
Distribution other (excluding LV)	0.0005	0.03

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	1	250	0.40
Subtransmission cables	-	34	-
Subtransmission other	-	-	-
Distribution lines (excluding LV)	1,053	2,887	36.48
Distribution cables (excluding LV)	81	442	18.33
Distribution other (excluding LV)	4	-	-
Total	1,139		