



**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 2021

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

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Disclosure Template Instructions

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

Company Name and Dates

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

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

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

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

Data Entry Cells and Calculated Cells

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

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

Validation Settings on Data Entry Cells

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

Conditional Formatting Settings on Data Entry Cells

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

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

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

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

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

Inserting Additional Rows and Columns

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

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

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

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

Disclosures by Sub-Network

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

Schedule References

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

Description of Calculation References

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

Worksheet Completion Sequence

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

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

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2021**

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	24,929	592	138,309	4,589	33,360
Network	7,644	182	42,412	1,407	10,230
Non-network	17,284	411	95,897	3,182	23,130
Expenditure on assets	24,402	580	135,389	4,492	32,656
Network	23,698	563	131,478	4,362	31,713
Non-network	705	17	3,911	130	943

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	74,134	1,761
Standard consumer line charge revenue	91,637	1,616
Non-standard consumer line charge revenue	23,716	407,717

23 1(iii): Service intensity measures

Demand density	33	Maximum coincident system demand per km of circuit length (for supply) (kW/km)
Volume density	184	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	23,755	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

30 1(iv): Composition of regulatory income

	(\$000)	% of revenue
Operational expenditure	19,957	33.63%
Pass-through and recoverable costs excluding financial incentives and wash-ups	13,823	23.29%
Total depreciation	9,319	15.70%
Total revaluations	3,466	5.84%
Regulatory tax allowance	4,997	8.42%
Regulatory profit/(loss) including financial incentives and wash-ups	14,719	24.80%
Total regulatory income	59,347	

40 1(v): Reliability

Interruption rate	25.48	Interruptions per 100 circuit km
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Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2021**

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 19	31 Mar 20	31 Mar 21
		%	%	%
7	ROI – comparable to a post tax WACC			
8				
9	Reflecting all revenue earned	8.81%	12.61%	6.50%
10	Excluding revenue earned from financial incentives	8.75%	12.50%	6.45%
11	Excluding revenue earned from financial incentives and wash-ups	6.42%	9.97%	6.45%
12				
13				
14	Mid-point estimate of post tax WACC	4.75%	4.27%	3.72%
15	25th percentile estimate	4.07%	3.59%	3.04%
16	75th percentile estimate	5.43%	4.95%	4.40%
17				
18				
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	9.32%	13.04%	6.83%
21	Excluding revenue earned from financial incentives	9.26%	12.92%	6.78%
22	Excluding revenue earned from financial incentives and wash-ups	6.92%	10.40%	6.78%
23				
24	WACC rate used to set regulatory price path	7.19%	7.19%	4.57%
25				
26	Mid-point estimate of vanilla WACC	5.26%	4.69%	4.05%
27	25th percentile estimate	4.58%	4.01%	3.37%
28	75th percentile estimate	5.94%	5.37%	4.73%
29				
30	2(ii): Information Supporting the ROI			
31				
32	Total opening RAB value	227,918		
33	plus Opening deferred tax	(13,946)		
34	Opening RIV		213,972	
35				
36	Line charge revenue		59,347	
37				
38	Expenses cash outflow	33,779		
39	add Assets commissioned	14,839		
40	less Asset disposals	–		
41	add Tax payments	2,603		
42	less Other regulated income	–		
43	Mid-year net cash outflows		51,221	
44				
45	Term credit spread differential allowance		–	
46				
47	Total closing RAB value	236,905		
48	less Adjustment resulting from asset allocation	–		
49	less Lost and found assets adjustment	–		
50	plus Closing deferred tax	(16,340)		
51	Closing RIV		220,565	
52				
53	ROI – comparable to a vanilla WACC			0
54				
55	Leverage (%)			42%
56	Cost of debt assumption (%)			2.82%
57	Corporate tax rate (%)			28%
58				
59	ROI – comparable to a post tax WACC			6%
60				

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2021**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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

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sch ref

2(iii): Information Supporting the Monthly ROI

Opening RIV N/A

	Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
April	-	-	-	-	-	-
May	-	-	-	-	-	-
June	-	-	-	-	-	-
July	-	-	-	-	-	-
August	-	-	-	-	-	-
September	-	-	-	-	-	-
October	-	-	-	-	-	-
November	-	-	-	-	-	-
December	-	-	-	-	-	-
January	-	-	-	-	-	-
February	-	-	-	-	-	-
March	-	-	-	-	-	-
Total	-	-	-	-	-	-

Tax payments N/A

Term credit spread differential allowance N/A

Closing RIV N/A

Monthly ROI – comparable to a vanilla WACC N/A

Monthly ROI – comparable to a post tax WACC N/A

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

Year-end ROI – comparable to a vanilla WACC 6.58%

Year-end ROI – comparable to a post tax WACC 6.25%

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

2(v): Financial Incentives and Wash-Ups

Net recoverable costs allowed under incremental rolling incentive scheme	-
Purchased assets – avoided transmission charge	-
Energy efficiency and demand incentive allowance	-
Quality incentive adjustment	140
Other financial incentives	-
Financial incentives	140

Impact of financial incentives on ROI 0.05%

Input methodology claw-back	-
CPP application recoverable costs	-
Catastrophic event allowance	-
Capex wash-up adjustment	-
Transmission asset wash-up adjustment	-
2013–15 NPV wash-up allowance	-
Reconsideration event allowance	-
Other wash-ups	-

Wash-up costs -

Impact of wash-up costs on ROI -

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2021**

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	59,347
10	plus Gains / (losses) on asset disposals	-
11	plus Other regulated income (other than gains / (losses) on asset disposals)	-
12		
13	Total regulatory income	59,347
14	Expenses	
15	less Operational expenditure	19,957
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	13,823
18		
19	Operating surplus / (deficit)	25,568
20		
21	less Total depreciation	9,319
22		
23	plus Total revaluations	3,466
24		
25	Regulatory profit / (loss) before tax	19,716
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	4,997
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	14,719
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	112
36	Commerce Act levies	66
37	Industry levies	165
38	CPP specified pass through costs	-
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	12,121
41	Transpower new investment contract charges	1,349
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	13,823
47		

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2021**

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

		(\$000)	
		CY-1	CY
		31 Mar 20	31 Mar 21
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 16	-	-
58	CY-4 31 Mar 17	-	-
59	CY-3 31 Mar 18	-	-
60	CY-2 31 Mar 19	-	-
61	CY-1 31 Mar 20	-	-
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 2021**

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 17 (\$000)	RAB 31 Mar 18 (\$000)	RAB 31 Mar 19 (\$000)	RAB 31 Mar 20 (\$000)	RAB 31 Mar 21 (\$000)
Total opening RAB value		175,913	190,264	214,359	218,988	227,918
less Total depreciation		7,463	9,046	9,135	8,967	9,319
plus Total revaluations		3,805	2,093	3,180	5,549	3,466
plus Assets commissioned		18,589	31,047	17,450	11,929	14,839
less Asset disposals		306	-	-	4	-
plus Lost and found assets adjustment		(274)	-	-	424	-
plus Adjustment resulting from asset allocation		1	-	(6,867)	-	-
Total closing RAB value		190,264	214,359	218,988	227,918	236,905

4(ii): Unallocated Regulatory Asset Base

	Unallocated RAB *	RAB
	(\$000)	(\$000)
Total opening RAB value	233,596	227,918
less Total depreciation	9,802	9,319
plus Total revaluations	3,553	3,466
plus Assets commissioned (other than below)	3,350	3,350
Assets acquired from a regulated supplier	-	-
Assets acquired from a related party	11,489	11,489
Assets commissioned	14,839	14,839
less Asset disposals (other than below)	-	-
Asset disposals to a regulated supplier	-	-
Asset disposals to a related party	-	-
Asset disposals	-	-
plus Lost and found assets adjustment	-	-
plus Adjustment resulting from asset allocation	-	-
Total closing RAB value	242,185	236,905

* 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 2021**

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	1,068
CPI _{t-4}	1,052
Revaluation rate (%)	1.52%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	233,596		227,918	
less Opening value of fully depreciated, disposed and lost assets	-		-	
Total opening RAB value subject to revaluation	233,596		227,918	
Total revaluations		3,553		3,466

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction		Allocated works under construction	
Works under construction—preceding disclosure year		2,837		2,836
plus Capital expenditure	15,547		15,547	
less Assets commissioned	14,839		14,839	
plus Adjustment resulting from asset allocation			-	
Works under construction - current disclosure year		3,546		3,544
Highest rate of capitalised finance applied				-

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2021**

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	7,879		7,879	
80 Depreciation - no standard life assets	1,923		1,439	
81 Depreciation - modified life assets	-		-	
82 Depreciation - alternative depreciation in accordance with CPP	-		-	
83 Total depreciation		9,802		9,319

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

(\$000 unless otherwise specified)

86 Asset or assets with changes to depreciation*	Reason for non-standard depreciation (text entry)	Closing RAB value		
		87 Depreciation charge for the period (RAB)	88 under 'non-standard' depreciation	89 Closing RAB value under 'standard' depreciation
None	Not applicable	Not applicable	Not applicable	Not applicable

* 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	13,170	4,819	52,564	50,223	51,045	22,596	13,737	7,655	12,111	227,918
100 less Total depreciation	630	82	1,867	1,825	1,619	1,092	389	374	1,439	9,319
101 plus Total revaluations	200	47	779	770	776	387	207	116	184	3,466
102 plus Assets commissioned	1	513	3,281	3,911	2,643	932	1,495	1,758	305	14,839
103 less Asset disposals	-	-	-	-	-	-	-	-	-	-
104 plus Lost and found assets adjustment	-	-	-	-	-	-	-	-	-	-
105 plus Adjustment resulting from asset allocation	-	-	-	-	-	-	-	-	-	-
106 plus Asset category transfers	-	-	-	-	-	-	-	-	-	-
107 Total closing RAB value	12,741	5,297	54,756	53,080	52,845	22,821	15,050	9,154	11,160	236,905
109 Asset Life										
110 Weighted average remaining asset life	34	40	35	33	39	26	35	31	25	(years)
111 Weighted average expected total asset life	51	45	43	53	56	45	41	39	27	(years)

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2021**

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		19,716
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	510	*
12	Amortisation of initial differences in asset values	2,718	
13	Amortisation of revaluations	870	
14			4,097
15			
16	<i>less</i> Total revaluations	3,466	
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	2,499	
21			5,966
22			
23	Regulatory taxable income		17,847
24			
25	<i>less</i> Utilised tax losses	-	
26	Regulatory net taxable income		17,847
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		4,997

* 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	39,919	
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		37,201
41			
42	Opening weighted average remaining useful life of relevant assets (years)		14.7

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2021**

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	207,528	
47			
48	Adjusted depreciation	8,449	
49	Total depreciation	9,319	
50	Amortisation of revaluations		870
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	(13,946)	
61			
62	plus Tax effect of adjusted depreciation	2,366	
63			
64	less Tax effect of tax depreciation	3,847	
65			
66	plus Tax effect of other temporary differences*	(152)	
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		(16,340)
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	118,123	
84	less Tax depreciation	13,740	
85	plus Regulatory tax asset value of assets commissioned	14,839	
86	less Regulatory tax asset value of asset disposals	-	
87	plus Lost and found assets adjustment	-	
88	plus Adjustment resulting from asset allocation	-	
89	plus Other adjustments to the RAB tax value	-	
90	Closing sum of regulatory tax asset values		119,222

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2021**

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

	(\$000)	(\$000)
5b(i): Summary—Related Party Transactions		
Total regulatory income		–
Market value of asset disposals		–
Service interruptions and emergencies	2,240	
Vegetation management	516	
Routine and corrective maintenance and inspection	1,970	
Asset replacement and renewal (opex)	61	
Network opex		4,787
Business support	–	
System operations and network support	579	
Operational expenditure		5,366
Consumer connection	2,596	
System growth	147	
Asset replacement and renewal (capex)	7,030	
Asset relocations	1,311	
Quality of supply	–	
Legislative and regulatory	–	
Other reliability, safety and environment	391	
Expenditure on non-network assets		14
Expenditure on assets		11,489
Cost of financing	–	
Value of capital contributions	–	
Value of vested assets	–	
Capital Expenditure		11,489
Total expenditure		16,855
Other related party transactions		71

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	2,596
Netcon - Capex	Asset replacement and renewal (capex)	7,030
Netcon - Capex	System growth	147
Netcon - Capex	Asset relocations	1,311
Netcon - Capex	Quality of supply	–
Netcon - Capex	Legislative and regulatory	–
Netcon - Capex	Other reliability, safety and environment	391
Netcon - Capex	Expenditure on non-network assets	14
Netcon - Opex	Service interruptions and emergencies	2,240
Netcon - Opex	Vegetation management	516
Netcon - Opex	Routine and corrective maintenance and inspection	1,970
Netcon - Opex	Asset replacement and renewal (opex)	61
Netcon - Opex	Business support	–
Netcon - Opex	System operations and network support	579
Total value of related party transactions		16,855

* include additional rows if needed

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2021**

SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE

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

sch ref

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

Issuing party	Issue date	Pricing date	Original tenor (in years)	Coupon rate (%)	Book value at issue date (NZD)	Book value at date of financial statements (NZD)	Term Credit Spread Difference	Debt issue cost readjustment
None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
* include additional rows if needed						-	-	-

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

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

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2021**

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		2,328			
12	Not directly attributable	-	-	-	-	Not Applicable
13	Total attributable to regulated service		2,328			
14	Vegetation management					
15	Directly attributable		742			
16	Not directly attributable	-	-	-	-	Not Applicable
17	Total attributable to regulated service		742			
18	Routine and corrective maintenance and inspection					
19	Directly attributable		2,765			
20	Not directly attributable	-	-	-	-	Not Applicable
21	Total attributable to regulated service		2,765			
22	Asset replacement and renewal					
23	Directly attributable		285			
24	Not directly attributable	-	-	-	-	Not Applicable
25	Total attributable to regulated service		285			
26	System operations and network support					
27	Directly attributable		5,243			
28	Not directly attributable	-	-	-	-	Not Applicable
29	Total attributable to regulated service		5,243			
30	Business support					
31	Directly attributable		-			
32	Not directly attributable	-	8,594	211	8,805	Not Applicable
33	Total attributable to regulated service		8,594			
34						
35	Operating costs directly attributable		11,363			
36	Operating costs not directly attributable	-	8,594	211	8,805	-
37	Operational expenditure		19,957			
38						

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2021**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

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5d(ii): Other Cost Allocations

	(\$000)
Pass through and recoverable costs	
Pass through costs	
Directly attributable	343
Not directly attributable	-
Total attributable to regulated service	343
Recoverable costs	
Directly attributable	13,480
Not directly attributable	-
Total attributable to regulated service	13,480

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

		(\$000)	
		CY-1	Current Year (CY)
Change in cost allocation 1			
Cost category			
Original allocator or line items		-	-
New allocator or line items		-	-
		-	-
Rationale for change			

		(\$000)	
		CY-1	Current Year (CY)
Change in cost allocation 2			
Cost category			
Original allocator or line items			
New allocator or line items		-	-
		-	-
Rationale for change			

		(\$000)	
		CY-1	Current Year (CY)
Change in cost allocation 3			
Cost category			
Original allocator or line items			
New allocator or line items		-	-
		-	-
Rationale for change			

* 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 2021**

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	12,741
Not directly attributable	-
Total attributable to regulated service	12,741
Subtransmission cables	
Directly attributable	5,297
Not directly attributable	-
Total attributable to regulated service	5,297
Zone substations	
Directly attributable	54,756
Not directly attributable	-
Total attributable to regulated service	54,756
Distribution and LV lines	
Directly attributable	53,080
Not directly attributable	-
Total attributable to regulated service	53,080
Distribution and LV cables	
Directly attributable	52,845
Not directly attributable	-
Total attributable to regulated service	52,845
Distribution substations and transformers	
Directly attributable	22,821
Not directly attributable	-
Total attributable to regulated service	22,821
Distribution switchgear	
Directly attributable	15,050
Not directly attributable	-
Total attributable to regulated service	15,050
Other network assets	
Directly attributable	9,154
Not directly attributable	-
Total attributable to regulated service	9,154
Non-network assets	
Directly attributable	4,950
Not directly attributable	6,210
Total attributable to regulated service	11,160
Regulated service asset value directly attributable	230,695
Regulated service asset value not directly attributable	6,210
Total closing RAB value	236,905

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

			(\$000)	
			CY-1	Current Year (CY)
Change in asset value allocation 1				
Asset category	NA	Original allocation	-	-
Original allocator or line items	NA	New allocation	-	-
New allocator or line items	NA	Difference	-	-
Rationale for change	Not required			
Change in asset value allocation 2				
Asset category	NA	Original allocation	-	-
Original allocator or line items	NA	New allocation	-	-
New allocator or line items	NA	Difference	-	-
Rationale for change	Not required			
Change in asset value allocation 3				
Asset category	NA	Original allocation	-	-
Original allocator or line items	NA	New allocation	-	-
New allocator or line items	NA	Difference	-	-
Rationale for change	Not required			

* 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 compone
 † include additional rows if needed

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2021**

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		5,343
System growth		240
Asset replacement and renewal		10,881
Asset relocations		1,606
Reliability, safety and environment:		
Quality of supply	–	
Legislative and regulatory	–	
Other reliability, safety and environment	902	
Total reliability, safety and environment		902
Expenditure on network assets		18,971
Expenditure on non-network assets		564
Expenditure on assets		19,535
plus Cost of financing		–
less Value of capital contributions		3,988
plus Value of vested assets		–
Capital expenditure		15,547
6a(ii): Subcomponents of Expenditure on Assets (where known)		(\$000)
Energy efficiency and demand side management, reduction of energy losses		–
Overhead to underground conversion		448
Research and development		–
6a(iii): Consumer Connection		
<i>Consumer types defined by EDB*</i>		
Commercial	1,989	
HV alterations	901	
Irrigation	415	
LV alterations	76	
Residential	712	
Subdivision	1,250	
<i>* include additional rows if needed</i>		
Consumer connection expenditure		5,343
less Capital contributions funding consumer connection expenditure	3,855	
Consumer connection less capital contributions		1,488
6a(iv): System Growth and Asset Replacement and Renewal		
		Asset Replacement and Renewal
	System Growth	(\$000)
Subtransmission	67	1,026
Zone substations	–	1,633
Distribution and LV lines	–	4,467
Distribution and LV cables	72	1,100
Distribution substations and transformers	6	686
Distribution switchgear	29	1,311
Other network assets	66	658
System growth and asset replacement and renewal expenditure	240	10,881
less Capital contributions funding system growth and asset replacement and renewal		94
System growth and asset replacement and renewal less capital contributions	240	10,787
6a(v): Asset Relocations		
<i>Project or programme*</i>		
Burdon Rd ERapid 26 Woodbury DB4121	3	
Forth Street 11 kV OHUG	36	
PLP Arowhenua Road Bridge Replacement	4	
TIM 39 Grasmere str	9	
TIM Dawson Street OHUG	1,491	
Wallingford Rd TKM DB1138 TDC Relocate	7	
Morris/McLeay's Rd OH to UG conversion	1	
TIM Mahoneys Hill Pole	12	
Lilybank Rd, Tek #25486 move for MDC	13	
Fraser & Brockley Road Timaru	31	
<i>* include additional rows if needed</i>		
All other projects or programmes - asset relocations	–	
Asset relocations expenditure		1,606
less Capital contributions funding asset relocations	39	
Asset relocations less capital contributions		1,567

Company Name **Alpine Energy Limited**

For Year Ended **31 March 2021**

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

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6a(vi): Quality of Supply

Project or programme*	(\$000)	(\$000)
	-	
	-	
	-	
	-	
	-	
<i>* include additional rows if needed</i>		
All other projects programmes - quality of supply	-	-
Quality of supply expenditure		-
less Capital contributions funding quality of supply	-	
Quality of supply less capital contributions		-

6a(vii): Legislative and Regulatory

Project or programme*	(\$000)	(\$000)
	-	
	-	
	-	
	-	
	-	
<i>* include additional rows if needed</i>		
All other projects or programmes - legislative and regulatory	-	-
Legislative and regulatory expenditure		-
less Capital contributions funding legislative and regulatory	-	
Legislative and regulatory less capital contributions		-

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

Project or programme*	(\$000)	(\$000)
Automation	310	
Communications	180	
Reclosers	412	
	-	
	-	
<i>* include additional rows if needed</i>		
All other projects or programmes - other reliability, safety and environment	-	-
Other reliability, safety and environment expenditure		902
less Capital contributions funding other reliability, safety and environment		
Other reliability, safety and environment less capital contributions		902

6a(ix): Non-Network Assets

Routine expenditure

Project or programme*	(\$000)	(\$000)
Plant and Equipment	91	
Software and IT	393	
System Operations & Network Support	41	
Land and Buildings	34	
	-	
	-	
<i>* include additional rows if needed</i>		
All other projects or programmes - routine expenditure	4	-
Routine expenditure		563

Atypical expenditure

Project or programme*	(\$000)	(\$000)
Painting	1	
	-	
	-	
	-	
	-	
<i>* include additional rows if needed</i>		
All other projects or programmes - atypical expenditure	-	-
Atypical expenditure		1

Expenditure on non-network assets

564



Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2021**

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	2,328	
9	Vegetation management	742	
10	Routine and corrective maintenance and inspection	2,765	
11	Asset replacement and renewal	285	
12	Network opex		6,120
13	System operations and network support	5,243	
14	Business support	8,594	
15	Non-network opex		13,837
16			
17	Operational expenditure		19,957
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		274
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name **Alpine Energy Limited**
For Year Ended **31 March 2021**

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	58,778	59,347	1%
7(ii): Expenditure on Assets		Forecast (\$000) ²	Actual (\$000)	% variance
9				
10	Consumer connection	2,000	5,343	167%
11	System growth	1,557	240	(85%)
12	Asset replacement and renewal	10,992	10,881	(1%)
13	Asset relocations	620	1,606	159%
14	Reliability, safety and environment:			
15	Quality of supply	580	–	(100%)
16	Legislative and regulatory	–	–	–
17	Other reliability, safety and environment	835	902	8%
18	Total reliability, safety and environment	1,415	902	(36%)
19	Expenditure on network assets	16,584	18,971	14%
20	Expenditure on non-network assets	1,539	564	(63%)
21	Expenditure on assets	18,123	19,535	8%
7(iii): Operational Expenditure				
22				
23	Service interruptions and emergencies	2,142	2,328	9%
24	Vegetation management	849	742	(13%)
25	Routine and corrective maintenance and inspection	3,060	2,765	(10%)
26	Asset replacement and renewal	306	285	(7%)
27	Network opex	6,357	6,120	(4%)
28	System operations and network support	4,254	5,243	23%
29	Business support	8,172	8,594	5%
30	Non-network opex	12,426	13,837	11%
31	Operational expenditure	18,783	19,957	6%
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	–	448	–
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	249	274	10%
42				

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 2021
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	2,016	12,803
LOWLCA	Low Charge	Standard	10,569	61,687
LOWUHCA	Low Uncontrolled	Standard	18	122
LOWULCA	Low Uncontrolled	Standard	41	295
015HCA	015	Standard	5,996	56,519
015LCA	015	Standard	11,810	99,559
015UHCA	015 Uncontrolled	Standard	36	489
015ULCA	015 Uncontrolled	Standard	41	391
360HCA	360	Standard	529	11,320
360LCA	360	Standard	746	20,153
360UHCA	360 Uncontrolled	Standard	14	655
360ULCA	360 Uncontrolled	Standard	16	338
ASSHCA	Assessed	Standard	1,305	132,799
ASSLCA	Assessed	Standard	405	35,057
TOU400HCA	TOU 400V	Standard	37	23,522
TOU400LCA	TOU 400V	Standard	102	98,392
TOU11HCA	TOU 11kV	Standard	6	26,433
TOU11LCA	TOU 11kV	Standard	4	13,710
Individual Direct Billed	IND	Non-standard	12	206,301
<i>Add extra rows for additional consumer groups or price category codes as necessary</i>				
Standard consumer totals			33,688	594,244
Non-standard consumer totals			12	206,301
Total for all consumers			33,700	800,546

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
	2,016	9,279	3,524	-	-	9,279	3,524	-
	10,569	44,708	16,979	-	-	44,708	16,979	-
	18	88	34	-	-	88	34	-
	41	213	81	-	-	213	81	-
	5,996	40,962	15,557	-	-	40,962	15,557	-
	11,810	72,155	27,403	-	-	72,155	27,403	-
	36	354	135	-	36	354	135	-
	41	283	108	-	41	283	108	-
	529	8,204	3,116	-	-	8,204	3,116	-
	746	14,606	5,547	-	-	14,606	5,547	-
	14	475	180	-	14	475	180	-
	16	245	93	-	16	245	93	-
	1,305	95,938	36,861	108	-	95,938	36,861	108
	405	25,465	9,592	37	-	25,465	9,592	37
	37	16,341	7,181	7	-	16,341	7,181	7
	102	67,569	30,824	23	-	67,569	30,824	23
	6	19,000	7,434	6	-	19,000	7,434	6
	4	9,443	4,267	4	-	9,443	4,267	4
	12	-	-	-	-	10,340	4,138	-
	33,688	425,330	168,914	186	106	425,330	168,914	186
	12	-	-	-	-	10,340	4,138	-
	33,700	425,330	168,914	186	106	435,670	173,052	186

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

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2021**
 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)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$ per day, \$ per kWh, etc.)	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)
LOWHCA	Low Charge	Standard	\$809	-	\$640	\$169		\$111	\$456	\$73	-	-	\$145	\$24	-
LOWLCA	Low Charge	Standard	\$4,488	-	\$3,571	\$917		\$577	\$2,581	\$413	-	-	\$789	\$128	-
LOWUHCA	Low Uncontrolled	Standard	\$10	-	\$6	\$4		\$1	\$4	\$1	-	-	\$4	\$1	-
LOWULCA	Low Uncontrolled	Standard	\$16	-	\$10	\$6		\$2	\$7	\$1	-	-	\$5	\$1	-
015HCA	015	Standard	\$7,077	-	\$5,973	\$1,104		\$3,048	\$2,516	\$410	-	-	\$949	\$154	-
015LCA	015	Standard	\$14,459	-	\$12,200	\$2,260		\$5,473	\$5,784	\$942	-	-	\$1,944	\$316	-
015UHCA	015 Uncontrolled	Standard	\$32	-	\$19	\$13		\$18	\$1	\$0	-	\$6	\$6	\$1	-
015ULCA	015 Uncontrolled	Standard	\$34	-	\$19	\$16		\$19	\$0	\$0	-	\$8	\$7	\$1	-
360HCA	360	Standard	\$1,835	-	\$1,633	\$203		\$1,138	\$426	\$69	-	-	\$174	\$28	-
360LCA	360	Standard	\$2,470	-	\$2,001	\$469		\$1,171	\$714	\$116	-	-	\$403	\$66	-
360UHCA	360 Uncontrolled	Standard	\$57	-	\$45	\$12		\$30	\$13	\$2	-	\$3	\$8	\$1	-
360ULCA	360 Uncontrolled	Standard	\$40	-	\$33	\$7		\$24	\$8	\$1	-	\$3	\$4	\$1	-
ASSHCA	Assessed	Standard	\$11,971	-	\$9,175	\$2,796		\$928	\$4,254	\$702	\$3,292	-	\$1,750	\$289	\$757
ASSLCA	Assessed	Standard	\$3,529	-	\$2,405	\$1,124		\$199	\$1,142	\$184	\$880	-	\$631	\$102	\$390
TOU400HCA	TOU 400V	Standard	\$1,560	-	\$1,090	\$470		\$19	\$248	\$47	\$776	-	\$105	\$19	\$346
TOU400LCA	TOU 400V	Standard	\$3,974	-	\$3,010	\$964		\$41	\$1,013	\$199	\$1,758	-	\$286	\$56	\$622
TOU11HCA	TOU 11kV	Standard	\$1,379	-	\$939	\$440		\$3	\$418	\$70	\$448	-	\$206	\$34	\$199
TOU11LCA	TOU 11kV	Standard	\$712	-	\$428	\$284		\$2	\$132	\$26	\$269	-	\$85	\$17	\$182
Individual Direct Billed	IND	Non-standard	\$4,893	-	\$3,308	\$1,584		\$3,308	-	-	-	\$1,584	-	-	-
Standard consumer totals			\$54,455	-	\$43,198	\$11,257		\$12,803	\$19,716	\$3,258	\$7,422	\$20	\$7,502	\$1,239	\$2,496
Non-standard consumer totals			\$4,893	-	\$3,308	\$1,584		\$3,308	-	-	-	\$1,584	-	-	-
Total for all consumers			\$59,347	-	\$46,507	\$12,841		\$16,111	\$19,716	\$3,258	\$7,422	\$1,604	\$7,502	\$1,239	\$2,496

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 2021
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.	24,697	25,049	352	3
9	All	Overhead Line	Wood poles	No.	19,629	19,813	184	3
10	All	Overhead Line	Other pole types	No.	244	244	-	3
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	250	250	-	3
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	0	0	-	4
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	31	34	3	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.	117	119	2	4
28	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	4
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	7	7	-	4
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	25	25	-	4
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	168	168	-	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.	25	27	2	4
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,879	2,903	24	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	283	296	12	2
38	HV	Distribution Cable	Distribution UG PILC	km	143	143	-	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.	55	62	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.	6,717	6,892	175	2
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	32	36	4	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	424	444	20	3
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	4,941	4,991	50	2
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	1,048	1,063	15	2
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	354	0	3
50	LV	LV Cable	LV UG Cable	km	354	360	6	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	-	-	-	N/A
52	LV	Connections	OH/UG consumer service connections	No.	33,493	33,805	312	4
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	449	449	-	3
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	283	352	69	3
55	All	Capacitor Banks	Capacitors including controls	No.	8	9	1	4
56	All	Load Control	Centralised plant	Lot	6	6	-	4
57	All	Load Control	Relays	No.	-	-	-	2
58	All	Civils	Cable Tunnels	km	-	-	-	N/A

Company Name	Alpine Energy Limited
For Year Ended	31 March 2021
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	0	–
12	50kV & 66kV	–	–
13	33kV	250	34
14	SWER (all SWER voltages)	–	7
15	22kV (other than SWER)	145	14
16	6.6kV to 11kV (inclusive—other than SWER)	2,758	425
17	Low voltage (< 1kV)	355	360
18	Total circuit length (for supply)	3,508	841
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	305	9%
25	Rural	3,107	89%
26	Remote only	–	–
27	Rugged only	96	3%
28	Remote and rugged	–	–
29	Unallocated overhead lines	–	–
30	Total overhead length	3,508	100%
31			
32		Circuit length (km)	(% of total circuit length)
33	Length of circuit within 10km of coastline or geothermal areas (where known)	1,764	41%
34		Circuit length (km)	(% of total overhead length)
35	Overhead circuit requiring vegetation management	682	19%

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2021**

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	None		
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 2021
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		30
	Low Uncontrolled		-
	015		338
	015 Uncontrolled		-
	360		25
	360 Uncontrolled		-
12	Assessed		24
13	TOU 400V		1
14	TOU 11kV		-
15	IND		-
16	* include additional rows if needed		
17	Connections total		418
18			
19	Distributed generation		
20	Number of connections made in year		65 connections
21	Capacity of distributed generation installed in year		0.44 MVA
22	9e(ii): System Demand		
23			
24			Demand at time of maximum coincident demand (MW)
25	Maximum coincident system demand		
26	GXP demand		144
27	plus Distributed generation output at HV and above		-
28	Maximum coincident system demand		144
29	less Net transfers to (from) other EDBs at HV and above		-
30	Demand on system for supply to consumers' connection points		144
31	Electricity volumes carried		Energy (GWh)
32	Electricity supplied from GXPs		827
33	less Electricity exports to GXPs		10
34	plus Electricity supplied from distributed generation		18
35	less Net electricity supplied to (from) other EDBs		-
36	Electricity entering system for supply to consumers' connection points		836
37	less Total energy delivered to ICPs		801
38	Electricity losses (loss ratio)		36 4.3%
39			
40	Load factor		0.66
41	9e(iii): Transformer Capacity		
42			(MVA)
43	Distribution transformer capacity (EDB owned)		598
44	Distribution transformer capacity (Non-EDB owned, estimated)		20
45	Total distribution transformer capacity		618
46			
47	Zone substation transformer capacity		371

Company Name **Alpine Energy Limited**

For Year Ended **31 March 2021**

Network / Sub-network Name

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

sch ref

8 10(i): Interruptions

9 Interruptions by class

	Number of interruptions
10 Class A (planned interruptions by Transpower)	1
11 Class B (planned interruptions on the network)	530
12 Class C (unplanned interruptions on the network)	570
13 Class D (unplanned interruptions by Transpower)	7
14 Class E (unplanned interruptions of EDB owned generation)	-
15 Class F (unplanned interruptions of generation owned by others)	-
16 Class G (unplanned interruptions caused by another disclosing entity)	-
17 Class H (planned interruptions caused by another disclosing entity)	-
18 Class I (interruptions caused by parties not included above)	-
19 Total	1,108

21 Interruption restoration

	≤3Hrs	>3hrs
22 Class C interruptions restored within	370	200

24 SAIFI and SAIDI by class

	SAIFI	SAIDI
25 Class A (planned interruptions by Transpower)	0.0000	0.02
26 Class B (planned interruptions on the network)	0.2582	87.55
27 Class C (unplanned interruptions on the network)	0.9715	108.68
28 Class D (unplanned interruptions by Transpower)	0.0269	2.26
29 Class E (unplanned interruptions of EDB owned generation)	-	-
30 Class F (unplanned interruptions of generation owned by others)	-	-
31 Class G (unplanned interruptions caused by another disclosing entity)	-	-
32 Class H (planned interruptions caused by another disclosing entity)	-	-
33 Class I (interruptions caused by parties not included above)	-	-
34 Total	1.2567	198.51

36 Normalised SAIFI and SAIDI

	Normalised SAIFI	Normalised SAIDI
37 Classes B & C (interruptions on the network)	1.2297	196.23

Company Name **Alpine Energy Limited**

For Year Ended **31 March 2021**

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	0.0157	1.09
Vegetation	0.0044	0.21
Adverse weather	0.0420	8.75
Adverse environment	0.0005	1.35
Third party interference	0.1218	14.65
Wildlife	0.0450	5.63
Human error	-	-
Defective equipment	0.5125	47.44
Cause unknown	0.2296	29.56

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)	0.2318	82.72
Distribution cables (excluding LV)	0.0015	0.61
Distribution other (excluding LV)	0.0236	3.82

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	-	-
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	0.8110	93.25
Distribution cables (excluding LV)	0.0055	1.11
Distribution other (excluding LV)	0.1534	14.21

10(v): Fault Rate

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	-	250	-
Subtransmission cables	-	34	-
Subtransmission other	-	-	-
Distribution lines (excluding LV)	950	2,910	32.64
Distribution cables (excluding LV)	33	439	7.52
Distribution other (excluding LV)	112	-	-
Total	1,095		