COMMERCE COMMISSION
NEW ZEALAND

EDB Information Disclosure Requirements
Information Templates
for
Schedules 1–10

Company Name	Alpine Energy Limited
Disclosure Date	30 August 2021
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

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

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

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)*

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	12,731	21.45%
Total revaluations	3,127	5.27%
Regulatory tax allowance	4,236	7.14%
Regulatory profit/(loss) including financial incentives and wash-ups	11,728	19.76%
Total regulatory income	59,347	

1(v): Reliability

Interruption rate	25.48	*Interruptions per 100 circuit km*

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				
7	**2(i): Return on Investment**	**CY-2**	**CY-1**	**Current Year CY**
8		**31 Mar 19**	**31 Mar 20**	**31 Mar 21**
9	**ROI – comparable to a post tax WACC**	**%**	**%**	**%**
10	Reflecting all revenue earned	7.85%	11.66%	5.64%
11	Excluding revenue earned from financial incentives	7.79%	11.54%	5.59%
12	Excluding revenue earned from financial incentives and wash-ups	5.31%	8.82%	5.59%
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	8.36%	12.08%	5.97%
21	Excluding revenue earned from financial incentives	8.30%	11.96%	5.92%
22	Excluding revenue earned from financial incentives and wash-ups	5.82%	9.25%	5.92%
23				
24	**WACC rate used to set regulatory price path**	5.60%	7.19%	4.56%
25				
26	**Mid-point estimate of vanilla WACC**	5.26%	4.69%	4.05%
27	25th percentile estimate	4.92%	4.01%	3.37%
28	75th percentile estimate	6.29%	5.37%	4.73%
29				
30	**2(ii): Information Supporting the ROI**		**($000)**	
31				
32	Total opening RAB value	205,600		
33	*plus* Opening deferred tax	(10,548)		
34	**Opening RIV**		195,052	
35				
36	**Line charge revenue**		59,347	
37				
38	Expenses cash outflow	33,779		
39	*add* Assets commissioned	14,585		
40	*less* Asset disposals	–		
41	*add* Tax payments	2,616		
42	*less* Other regulated income	–		
43	**Mid-year net cash outflows**		50,980	
44				
45	**Term credit spread differential allowance**		–	
46				
47	Total closing RAB value	210,581		
48	*less* Adjustment resulting from asset allocation	(0)		
49	*less* Lost and found assets adjustment	–		
50	*plus* Closing deferred tax	(12,167)		
51	**Closing RIV**		198,414	
52				
53	**ROI – comparable to a vanilla WACC**			5.97%
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**			5.64%
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	5.73%
Year-end ROI – comparable to a post tax WACC	5.40%

** 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		12,731
22				
23	*plus*	Total revaluations		3,127
24				
25		**Regulatory profit / (loss) before tax**		15,964
26				
27	*less*	Term credit spread differential allowance		–
28				
29	*less*	Regulatory tax allowance		4,236
30				
31		**Regulatory profit/(loss) including financial incentives and wash-ups**		11,728
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				
48	**3(iii): Incremental Rolling Incentive Scheme**		**($000)**	
49			**CY-1**	**CY**
50			**31 Mar 20**	**31 Mar 21**
51	Allowed controllable opex		–	–
52	Actual controllable opex		–	–
53				
54	Incremental change in year			–
55				
56			**Previous years' incremental change**	**Previous years' incremental change adjusted for inflation**
57	CY-5	31 Mar 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	*Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)*			
69	**3(v): Other Disclosures**			
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

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

sch ref			RAB	RAB	RAB	RAB	RAB
8		for year ended	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21
9			($000)	($000)	($000)	($000)	($000)
10		**Total opening RAB value**	166,972	178,990	199,621	201,495	205,600
11							
12	*less*	**Total depreciation**	10,242	12,244	12,793	13,167	12,731
13							
14	*plus*	**Total revaluations**	3,611	1,969	2,962	5,104	3,127
15							
16	*plus*	**Assets commissioned**	18,955	30,906	17,962	11,810	14,585
17							
18	*less*	**Asset disposals**	306	–	–	65	–
19							
20	*plus*	**Lost and found assets adjustment**	–	–	–	424	–
21							
22	*plus*	**Adjustment resulting from asset allocation**	–	–	(6,257)	(0)	(0)
23							
24		**Total closing RAB value**	178,990	199,621	201,495	205,600	210,581
25							

26 4(ii): Unallocated Regulatory Asset Base

sch ref			Unallocated RAB *		RAB	
28			($000)	($000)	($000)	($000)
29		**Total opening RAB value**		211,852		205,600
30	*less*					
31		**Total depreciation**		13,054		12,731
32	*plus*					
33		**Total revaluations**		3,222		3,127
34	*plus*					
35		Assets commissioned (other than below)	3,096		3,096	
36		Assets acquired from a regulated supplier	–		–	
37		Assets acquired from a related party	11,489		11,489	
38		**Assets commissioned**		14,585		14,585
39	*less*					
40		Asset disposals (other than below)	–		–	
41		Asset disposals to a regulated supplier	–		–	
42		Asset disposals to a related party	–		–	
43		**Asset disposals**		–		–
44						
45	*plus*	**Lost and found assets adjustment**		–		–
46						
47	*plus*	**Adjustment resulting from asset allocation**				(0)
48						
49		**Total closing RAB value**		216,605		210,581

** 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.*

50

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							
51							
52		**4(iii): Calculation of Revaluation Rate and Revaluation of Assets**					
53							
54		CPI_4					1,068
55		CPI_4^{-4}					1,052
56		Revaluation rate (%)					1.52%
57							
58			**Unallocated RAB ***		**RAB**		
59			**($000)**	**($000)**	**($000)**	**($000)**	
60		Total opening RAB value	211,852		205,600		
61	*less*	Opening value of fully depreciated, disposed and lost assets	–		–		
62							
63		Total opening RAB value subject to revaluation	211,852		205,600		
64		**Total revaluations**		3,222		3,127	
65							
66		**4(iv): Roll Forward of Works Under Construction**					
67			**Unallocated works under construction**		**Allocated works under construction**		
68		**Works under construction—preceding disclosure year**		2,100		2,220	
69	*plus*	Capital expenditure	15,547		15,547		
70	*less*	Assets commissioned	14,585		14,585		
71	*plus*	Adjustment resulting from asset allocation			–		
72		**Works under construction - current disclosure year**		3,062		3,182	
73							
74		Highest rate of capitalised finance applied				–	
75							

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SCHEDULE 4: REPORT ON VALUE OF THE REGULATORY ASSET BASE (ROLLED FORWARD)

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

sch ref

4(v): Regulatory Depreciation

sch ref		Unallocated RAB * ($000)	($000)	RAB ($000)	($000)
79	Depreciation - standard	11,131		11,131	
80	Depreciation - no standard life assets	1,923		1,600	
81	Depreciation - modified life assets	–		–	
82	Depreciation - alternative depreciation in accordance with CPP	–		–	
83	**Total depreciation**		13,054		12,731

4(vi): Disclosure of Changes to Depreciation Profiles

($000 unless otherwise specified)

sch ref	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	None	Not applicable	Not applicable	Not applicable	Not applicable
88					
89					
90					
91					
92					
93					
94					

** include additional rows if needed*

4(vii): Disclosure by Asset Category

($000 unless otherwise specified)

sch ref			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**	13,416	4,655	50,138	37,115	49,313	17,165	14,115	7,643	12,040	205,600
100	*less*	Total depreciation	494	61	1,365	4,715	1,734	2,101	380	281	1,600	12,731
101	*plus*	Total revaluations	204	71	763	564	750	261	215	116	183	3,127
102	*plus*	Assets commissioned	1	513	3,281	3,911	2,643	932	1,495	1,758	51	14,585
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**	13,127	5,178	52,817	36,875	50,972	16,257	15,445	9,236	10,674	210,581
109		**Asset Life**										
110		Weighted average remaining asset life	33.8	38.8	35.0	34.6	38.8	27.7	35.6	28.6	25.4	(years)
111		Weighted average expected total asset life	51.0	45.0	42.9	53.3	55.5	45.0	41.2	36.9	27.3	(years)

Company Name	**Alpine Energy Limited**
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SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

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

sch ref					
7		**5a(i): Regulatory Tax Allowance**			**($000)**
8		**Regulatory profit / (loss) before tax**			15,964
9					
10	*plus*	Income not included in regulatory profit / (loss) before tax but taxable	–	*	
11		Expenditure or loss in regulatory profit / (loss) before tax but not deductible	508	*	
12		Amortisation of initial differences in asset values	2,756		
13		Amortisation of revaluations	1,304		
14					4,568
15					
16	*less*	Total revaluations	3,127		
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	2,278		
21					5,405
22					
23		**Regulatory taxable income**			15,127
24					
25	*less*	Utilised tax losses	–		
26		Regulatory net taxable income			15,127
27					
28		Corporate tax rate (%)	28%		
29		**Regulatory tax allowance**			4,236
30					
31	*	Workings to be provided in Schedule 14			
32		**5a(ii): Disclosure of Permanent Differences**			
33		In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).			
34		**5a(iii): Amortisation of Initial Difference in Asset Values**			**($000)**
35					
36		Opening unamortised initial differences in asset values	38,586		
37	*less*	Amortisation of initial differences in asset values	2,756		
38	*plus*	Adjustment for unamortised initial differences in assets acquired	–		
39	*less*	Adjustment for unamortised initial differences in assets disposed	–		
40		Closing unamortised initial differences in asset values			35,830
41					
42		Opening weighted average remaining useful life of relevant assets (years)			14
43					

		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

sch ref				
44	**5a(iv): Amortisation of Revaluations**			**($000)**
45				
46		Opening sum of RAB values without revaluations	168,359	
47				
48		Adjusted depreciation	11,427	
49		Total depreciation	12,731	
50		Amortisation of revaluations		1,304
51				
52	**5a(v): Reconciliation of Tax Losses**			**($000)**
53				
54		**Opening tax losses**	–	
55	*plus*	Current period tax losses	–	
56	*less*	Utilised tax losses	–	
57		**Closing tax losses**		–
58	**5a(vi): Calculation of Deferred Tax Balance**			**($000)**
59				
60		**Opening deferred tax**	(10,548)	
61				
62	*plus*	Tax effect of adjusted depreciation	3,200	
63				
64	*less*	Tax effect of tax depreciation	4,045	
65				
66	*plus*	Tax effect of other temporary differences*	(3)	
67				
68	*less*	Tax effect of amortisation of initial differences in asset values	772	
69				
70	*plus*	Deferred tax balance relating to assets acquired in the disclosure year	–	
71				
72	*less*	Deferred tax balance relating to assets disposed in the disclosure year	–	
73				
74	*plus*	Deferred tax cost allocation adjustment	0	
75				
76		**Closing deferred tax**		(12,167)
77				
78	**5a(vii): Disclosure of Temporary Differences**			
79		*In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).*		
80				
81	**5a(viii): Regulatory Tax Asset Base Roll-Forward**			
82				**($000)**
83		**Opening sum of regulatory tax asset values**	115,340	
84	*less*	Tax depreciation	14,445	
85	*plus*	Regulatory tax asset value of assets commissioned	14,896	
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**		115,791

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			
7	**5b(i): Summary—Related Party Transactions**	**($000)**	**($000)**
8	**Total regulatory income**		–
9			
10	**Market value of asset disposals**		–
11			
12	Service interruptions and emergencies	2,240	
13	Vegetation management	516	
14	Routine and corrective maintenance and inspection	1,970	
15	Asset replacement and renewal (opex)	61	
16	**Network opex**		4,787
17	Business support	–	
18	System operations and network support	579	
19	**Operational expenditure**		5,366
20	Consumer connection	2,596	
21	System growth	147	
22	Asset replacement and renewal (capex)	7,030	
23	Asset relocations	1,311	
24	Quality of supply	–	
25	Legislative and regulatory	–	
26	Other reliability, safety and environment	391	
27	**Expenditure on non-network assets**		14
28	**Expenditure on assets**		11,489
29	Cost of financing		–
30	Value of capital contributions		–
31	Value of vested assets		–
32	**Capital Expenditure**		11,489
33	**Total expenditure**		16,855
34			
35	**Other related party transactions**		71

36 5b(iii): Total Opex and Capex Related Party Transactions

37	**Name of related party**	**Nature of opex or capex service provided**	**Total value of transactions ($000)**
38	Netcon - Capex	Consumer connection	2,596
39	Netcon - Capex	Asset replacement and renewal (capex)	7,030
40	Netcon - Capex	System growth	147
41	Netcon - Capex	Asset relocations	1,311
42	Netcon - Capex	Quality of supply	–
43	Netcon - Capex	Legislative and regulatory	–
44	Netcon - Capex	Other reliability, safety and environment	391
45	Netcon - Capex	Expenditure on non-network assets	14
46	Netcon - Opex	Service interruptions and emergencies	2,240
47	Netcon - Opex	Vegetation management	516
48	Netcon - Opex	Routine and corrective maintenance and inspection	1,970
49	Netcon - Opex	Asset replacement and renewal (opex)	61
50	Netcon - Opex	Business support	–
51	Netcon - Opex	System operations and network support	579
52			
53	**Total value of related party transactions**		16,855
54	** include additional rows if needed*		
55			

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

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

sch ref	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
11	None	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable	Not Applicable
12									
13									
14									
15									
16	** include additional rows if needed*						–	–	–

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

sch ref			
20	**Gross term credit spread differential**		–
22	Total book value of interest bearing debt		
23	Leverage	42%	
24	Average opening and closing RAB values		
25	**Attribution Rate (%)**		–
27	**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

sch ref		Value allocated ($000s)				
7	**5d(i): Operating Cost Allocations**					
8						
9		**Arm's length deduction**	**Electricity distribution services**	**Non-electricity distribution services**	**Total**	**OVABAA allocation increase ($000s)**
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

sch ref		($000)
39	**5d(ii): Other Cost Allocations**	
40	**Pass through and recoverable costs**	($000)
41	**Pass through costs**	
42	Directly attributable	343
43	Not directly attributable	–
44	**Total attributable to regulated service**	343
45	**Recoverable costs**	
46	Directly attributable	13,480
47	Not directly attributable	–
48	**Total attributable to regulated service**	13,480
49		

sch ref				CY-1	Current Year (CY)
50	**5d(iii): Changes in Cost Allocations* †**				
51				($000)	
52	**Change in cost allocation 1**			CY-1	Current Year (CY)
53	Cost category		Original allocation	–	–
54	Original allocator or line items		New allocation	–	–
55	New allocator or line items		Difference	–	–
56					
57	Rationale for change				
58					
59					
60				($000)	
61	**Change in cost allocation 2**			CY-1	Current Year (CY)
62	Cost category		Original allocation		
63	Original allocator or line items		New allocation		
64	New allocator or line items		Difference	–	–
65					
66	Rationale for change				
67					
68					
69				($000)	
70	**Change in cost allocation 3**			CY-1	Current Year (CY)
71	Cost category		Original allocation		
72	Original allocator or line items		New allocation		
73	New allocator or line items		Difference	–	–
74					
75	Rationale for change				
76					
77					

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

Company Name	**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	13,127
Not directly attributable	–
Total attributable to regulated service	13,127
Subtransmission cables	
Directly attributable	5,178
Not directly attributable	–
Total attributable to regulated service	5,178
Zone substations	
Directly attributable	52,817
Not directly attributable	–
Total attributable to regulated service	52,817
Distribution and LV lines	
Directly attributable	36,875
Not directly attributable	–
Total attributable to regulated service	36,875
Distribution and LV cables	
Directly attributable	50,972
Not directly attributable	–
Total attributable to regulated service	50,972
Distribution substations and transformers	
Directly attributable	16,257
Not directly attributable	–
Total attributable to regulated service	16,257
Distribution switchgear	
Directly attributable	15,445
Not directly attributable	–
Total attributable to regulated service	15,445
Other network assets	
Directly attributable	9,236
Not directly attributable	–
Total attributable to regulated service	9,236
Non-network assets	
Directly attributable	5,036
Not directly attributable	5,638
Total attributable to regulated service	10,674
Regulated service asset value directly attributable	204,943
Regulated service asset value not directly attributable	5,638
Total closing RAB value	210,581

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

Change in asset value allocation 1			($000) CY-1	Current Year (CY)
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			($000) CY-1	Current Year (CY)
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			($000) CY-1	Current Year (CY)
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 component.*
† 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

sch ref			($000)	($000)
7		**6a(i): Expenditure on Assets**		
8		Consumer connection		5,343
9		System growth		240
10		Asset replacement and renewal		10,881
11		Asset relocations		1,606
12		Reliability, safety and environment:		
13		Quality of supply	–	
14		Legislative and regulatory	–	
15		Other reliability, safety and environment	902	
16		**Total reliability, safety and environment**		902
17		**Expenditure on network assets**		18,971
18		Expenditure on non-network assets		564
19				
20		**Expenditure on assets**		19,535
21	*plus*	Cost of financing		–
22	*less*	Value of capital contributions		3,988
23	*plus*	Value of vested assets		–
24				
25		**Capital expenditure**		15,547

sch ref		($000)
26	**6a(ii): Subcomponents of Expenditure on Assets (where known)**	
27	Energy efficiency and demand side management, reduction of energy losses	–
28	Overhead to underground conversion	448
29	Research and development	–

sch ref			($000)	($000)
30		**6a(iii): Consumer Connection**		
31		*Consumer types defined by EDB**		
32		Commercial	1,989	
33		HV alterations	901	
		Irrigation	415	
34		LV alterations	76	
35		Residential	712	
36		Subdivision	1,250	
37		** include additional rows if needed*		
38		**Consumer connection expenditure**		5,343
39				
40	*less*	Capital contributions funding consumer connection expenditure	3,855	
41		**Consumer connection less capital contributions**		1,488

sch ref			System Growth ($000)	Asset Replacement and Renewal ($000)
42		**6a(iv): System Growth and Asset Replacement and Renewal**		
43				
44				
45		Subtransmission	67	1,026
46		Zone substations	–	1,633
47		Distribution and LV lines	–	4,467
48		Distribution and LV cables	72	1,100
49		Distribution substations and transformers	6	686
50		Distribution switchgear	29	1,311
51		Other network assets	66	658
52		**System growth and asset replacement and renewal expenditure**	240	10,881
53	*less*	Capital contributions funding system growth and asset replacement and renewal		94
54		**System growth and asset replacement and renewal less capital contributions**	240	10,787
55				

sch ref			($000)	($000)
56		**6a(v): Asset Relocations**		
57		*Project or programme**		
58		Burdon Rd ERapid 26 Woodbury DB4121	3	
59		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	
60				
61				
62				
63		** include additional rows if needed*		
64		All other projects or programmes - asset relocations	–	
65		**Asset relocations expenditure**		1,606
66	*less*	Capital contributions funding asset relocations	39	
67		**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				
68				
69	**6a(vi): Quality of Supply**			
70		*Project or programme**	**($000)**	**($000)**
71			–	
72			–	
73			–	
74			–	
75			–	
76		** include additional rows if needed*		
77		All other projects programmes - quality of supply	–	
78		**Quality of supply expenditure**		–
79	*less*	Capital contributions funding quality of supply	–	
80		**Quality of supply less capital contributions**		–
81	**6a(vii): Legislative and Regulatory**			
82		*Project or programme**	**($000)**	**($000)**
83			–	
84			–	
85			–	
86			–	
87			–	
88		** include additional rows if needed*		
89		All other projects or programmes - legislative and regulatory	–	
90		**Legislative and regulatory expenditure**		–
91	*less*	Capital contributions funding legislative and regulatory	–	
92		**Legislative and regulatory less capital contributions**		–
93	**6a(viii): Other Reliability, Safety and Environment**			
94		*Project or programme**	**($000)**	**($000)**
95		Automation	310	
96		Communications	180	
97		Reclosers	412	
98				
99			–	
100		** include additional rows if needed*		
101		All other projects or programmes - other reliability, safety and environment	–	
102		**Other reliability, safety and environment expenditure**		902
103	*less*	Capital contributions funding other reliability, safety and environment		
104		**Other reliability, safety and environment less capital contributions**		902
105				
106	**6a(ix): Non-Network Assets**			
107	**Routine expenditure**			
108		*Project or programme**	**($000)**	**($000)**
109		Plant and Equipment	91	
110		Software and IT	393	
111		System Operations & Network Support	41	
112		Land and Buildings	34	
113				
114		** include additional rows if needed*		
115		All other projects or programmes - routine expenditure	4	
116		**Routine expenditure**		563
117	**Atypical expenditure**			
118		*Project or programme**	**($000)**	**($000)**
119		Painting	1	
120			–	
121			–	
122			–	
123			–	
124		** include additional rows if needed*		
125		All other projects or programmes - atypical expenditure	–	
126		**Atypical expenditure**		1
127				
128		**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			
7	**6b(i): Operational Expenditure**	**($000)**	**($000)**
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	**7(i): Revenue**	**Target ($000) [1]**	**Actual ($000)**	**% variance**
8	Line charge revenue	58,778	59,347	1%
9	**7(ii): Expenditure on Assets**	**Forecast ($000) [2]**	**Actual ($000)**	**% variance**
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%
22	**7(iii): Operational Expenditure**			
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%
32	**7(iv): Subcomponents of Expenditure on Assets (where known)**			
33	Energy efficiency and demand side management, reduction of energy losses	–	–	–
34	Overhead to underground conversion	–	448	–
35	Research and development	–	–	–
36				
37	**7(v): Subcomponents of Operational Expenditure (where known)**			
38	Energy efficiency and demand side management, reduction of energy losses	–	–	–
39	Direct billing	–	–	–
40	Research and development	–	–	–
41	Insurance	249	274	10%
42				

43 *1 From the nominal dollar target revenue for the disclosure year disclosed under clause 2.4.3(3) of this determination*

44 *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)	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
					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
LOWHCA	Low Charge	Standard	2,016	12,803		2,016	9,279	3,524	–	–	9,279	3,524	–
LOWLCA	Low Charge	Standard	10,569	61,687		10,569	44,708	16,979	–	–	44,708	16,979	–
LOWUHCA	Low Uncontrolled	Standard	18	122		18	88	34	–	–	88	34	–
LOWULCA	Low Uncontrolled	Standard	41	295		41	213	81	–	–	213	81	–
015HCA	015	Standard	5,996	56,519		5,996	40,962	15,557	–	–	40,962	15,557	–
015LCA	015	Standard	11,810	99,559		11,810	72,155	27,403	–	–	72,155	27,403	–
015UHCA	015 Uncontrolled	Standard	36	489		36	354	135	–	36	354	135	–
015ULCA	015 Uncontrolled	Standard	41	391		41	283	108	–	41	283	108	–
360HCA	360	Standard	529	11,320		529	8,204	3,116	–	–	8,204	3,116	–
360LCA	360	Standard	746	20,153		746	14,606	5,547	–	–	14,606	5,547	–
360UHCA	360 Uncontrolled	Standard	14	655		14	475	180	–	14	475	180	–
360ULCA	360 Uncontrolled	Standard	16	338		16	245	93	–	16	245	93	–
ASSHCA	Assessed	Standard	1,305	132,799		1,305	95,938	36,861	108	–	95,938	36,861	108
ASSLCA	Assessed	Standard	405	35,057		405	25,465	9,592	37	–	25,465	9,592	37
TOU400HCA	TOU 400V	Standard	37	23,522		37	16,341	7,181	7	–	16,341	7,181	7
TOU400LCA	TOU 400V	Standard	102	98,392		102	67,569	30,824	23	–	67,569	30,824	23
TOU11HCA	TOU 11kV	Standard	6	26,433		6	19,000	7,434	6	–	19,000	7,434	6
TOU11LCA	TOU 11kV	Standard	4	13,710		4	9,443	4,267	4	–	9,443	4,267	4
Individual Direct Billed	IND	Non-standard	12	206,301		12	–	–	–	–	10,340	4,138	–
Add extra rows for additional consumer groups or price category codes as necessary													
		Standard consumer totals	33,688	594,244		33,688	425,330	168,914	186	106	425,330	168,914	186
		Non-standard consumer totals	12	206,301		12	–	–	–	–	10,340	4,138	–
		Total for all consumers	33,700	800,546		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

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)	Line charge revenues ($000) by price component — Price component	Distribution fixed	Distribution variable day	Distribution variable night	Distribution demand	Transmission Fixed	Transmission Variable day	Transmission Variable night	Transmission demand
							Rate (eg, $ per day, $ per kWh, etc.)	$/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	–	–	–
Add extra rows for additional consumer groups or price category codes as necessary															
		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

Check: OK

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end	12

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

8	Voltage	Asset category	Asset class	Units	Items at start of year (quantity)	Items at end of year (quantity)	Net change	Data accuracy (1–4)
9	All	Overhead Line	Concrete poles / steel structure	No.	24,697	25,049	352	3
10	All	Overhead Line	Wood poles	No.	19,629	19,813	184	3
11	All	Overhead Line	Other pole types	No.	244	244	–	3
12	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	250	250	–	3
13	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	0	0	–	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	31	34	3	4
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	–	–	–	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	–	–	–	N/A
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	–	–	–	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	–	–	–	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	–	–	–	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	–	–	–	N/A
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	–	–	–	N/A
22	HV	Subtransmission Cable	Subtransmission submarine cable	km	–	–	–	N/A
23	HV	Zone substation Buildings	Zone substations up to 66kV	No.	23	23	–	4
24	HV	Zone substation Buildings	Zone substations 110kV+	No.	2	2	–	4
25	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	–	–	–	N/A
26	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	2	2	–	4
27	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	6	6	–	4
28	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	117	119	2	4
29	HV	Zone substation switchgear	33kV RMU	No.	–	–	–	4
30	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	7	7	–	4
31	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	25	25	–	4
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	168	168	–	4
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	8	8	–	4
34	HV	Zone Substation Transformer	Zone Substation Transformers	No.	25	27	2	4
35	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,879	2,903	24	3
36	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	–	–	–	N/A
37	HV	Distribution Line	SWER conductor	km	7	7	–	4
38	HV	Distribution Cable	Distribution UG XLPE or PVC	km	283	296	12	2
39	HV	Distribution Cable	Distribution UG PILC	km	143	143	–	2
40	HV	Distribution Cable	Distribution Submarine Cable	km	–	–	–	N/A
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	55	62	7	4
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	–	–	–	N/A
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	6,717	6,892	175	2
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	32	36	4	3
45	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	424	444	20	3
46	HV	Distribution Transformer	Pole Mounted Transformer	No.	4,941	4,991	50	2
47	HV	Distribution Transformer	Ground Mounted Transformer	No.	1,048	1,063	15	2
48	HV	Distribution Transformer	Voltage regulators	No.	68	68	–	4
49	HV	Distribution Substations	Ground Mounted Substation Housing	No.	–	–	–	N/A
50	LV	LV Line	LV OH Conductor	km	354	354	0	3
51	LV	LV Cable	LV UG Cable	km	354	360	6	3
52	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	–	–	–	N/A
53	LV	Connections	OH/UG consumer service connections	No.	33,493	33,805	312	4
54	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	449	449	–	3
55	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	283	352	69	3
56	All	Capacitor Banks	Capacitors including controls	No	8	9	1	4
57	All	Load Control	Centralised plant	Lot	6	6	–	4
58	All	Load Control	Relays	No	–	–	–	2
59	All	Civils	Cable Tunnels	km	–	–	–	N/A

Company Name	Alpine Energy Limited
For Year Ended	31 March 2021
Network / Sub-network Name	

SCHEDULE 9b: ASSET AGE PROFILE

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

sch ref

8 Disclosure Year (year ended): 31 March 2021

Number of assets at disclosure year end by installation date

sch ref	Voltage	Asset category	Asset class	Units	pre-1940	1940 –1949	1950 –1959	1960 –1969	1970 –1979	1980 –1989	1990 –1999	2000	2001	2002	2003	2004	2005	2006
10	All	Overhead Line	Concrete poles / steel structure	No.		207	3,441	5,636	3,841	2,459	1,604	140	229	259	473	461	833	310
11	All	Overhead Line	Wood poles	No.		7	2,970	1,997	2,363	1,910	2,020	177	210	463	546	424	607	371
12	All	Overhead Line	Other pole types	No.			48	54	36	22	17	6			3	2		
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km			4	36	44	11	55	5		8	14	0	–	1
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km														
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km					0	0	1				0	0	23	
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km														
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km														
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km														
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km														
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km														
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km														
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km														
23	HV	Subtransmission Cable	Subtransmission submarine cable	km														
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.			3	1	2	5	1					2	1	
25	HV	Zone substation Buildings	Zone substations 110kV+	No.														
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.														
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.														
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.														
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.			1	11	18	12	11							
30	HV	Zone substation switchgear	33kV RMU	No.														
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.														
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.			1			4	3					2		
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.			8			24	15					12	14	14
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.														
35	HV	Zone Substation Transformer	Zone Substation Transformers	No.					6		2					2		2
36	HV	Distribution Line	Distribution OH Open Wire Conductor	km	6		844	490	345	241	154	2	27	34	78	63	135	35
37	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km														
38	HV	Distribution Line	SWER conductor	km					7									
39	HV	Distribution Cable	Distribution UG XLPE or PVC	km			1	1	3	8	9	1	5	14	12	6	11	19
40	HV	Distribution Cable	Distribution UG PILC	km				9	41	57	31	2	1	–	0	1	0	0
41	HV	Distribution Cable	Distribution Submarine Cable	km														
42	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.							2	2	2				5	2
43	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.														
44	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	2	1	421	501	421	340	327	27	64	82	164	127	184	135
45	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.				1		2	1	1						1
46	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.				6	57	34	32	2	12	11	9	12	16	13
47	HV	Distribution Transformer	Pole Mounted Transformer	No.	5	28	402	665	578	410	509	63	130	133	144	144	77	138
48	HV	Distribution Transformer	Ground Mounted Transformer	No.		1	11	45	151	109	36	6	20	37	44	24	52	50
49	HV	Distribution Transformer	Voltage regulators	No.										2	2			
50	HV	Distribution Substations	Ground Mounted Substation Housing	No.														
51	LV	LV Line	LV OH Conductor	km	0		57	122	102	40	18	1	1	1	1	1	0	1
52	LV	LV Cable	LV UG Cable	km	0		0	13	73	89	67	3	4	4	5	7	7	9
53	LV	LV Street lighting	LV OH/UG Streetlight circuit	km														
54	LV	Connections	OH/UG consumer service connections	No.								26,414	251	280	326	340	448	458
55	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.					2	8				12		22	17	10
56	All	SCADA and communications	SCADA and communications equipment operating as a single sys	Lot						5	12							
57	All	Capacitor Banks	Capacitors including controls	No														
58	All	Load Control	Centralised plant	Lot					1						1		1	
59	All	Load Control	Relays	No														
60	All	Civils	Cable Tunnels	km														

sch ref	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	No. with age unknown	Items at end of year	No. with default dates	Data accuracy (1–4)
10	316	311	340	328	141	383	484	381	312	371	229	299	317	486	352					106	25,049		3
11	531	721	640	360	234	385	350	489	280	241	150	129	162	208	183					685	19,813		3
12		3	1	3	2	4	6	1				1		1						34	244		3
13				1	0	0	21	31	0	12	0	0	4	3							250		3
14				0								0									0		4
15					0	0		0		2	3	1	0	0	3						34		4
16																					–		N/A
17																					–		N/A
18																					–		N/A
19																					–		N/A
20																					–		N/A
21																					–		N/A
22																					–		N/A
23																					–		N/A
24					4	1					1	1		1							23		4
25				1								1									2		4
26																					–		N/A
27				1								1									2		4
28						6															6		4
29		1	1	1	4	6	11	8	8	2	12		7	3	2						119		4
30																					–		4
31						6			1												7		4
32				1		1	2	3	1	2	2		1	2							25		4
33			8	5		24	24	8	5		2	5									168		4
34		4							2					2							8		4
35		2	1	3	3		1	1				2			2						27		4
36	52	53	59	37	16	29	39	38	29	29	12	9	11	14	24						2,903		3
37																					–		N/A
38																					7		4
39	14	19	13	11	12	18	15	8	16	12	15	22	13	6	12						296		2
40	0	0	0	0		0															143		2
41																					–		N/A
42	2		1	9	2	3		7	5	1	2	6	3	1	7						62		4
43																					–		N/A
44	168	262	280	213	180	276	267	272	345	230	593	349	223	260	175					3	6,892		2
45						1				1	2	7	9	6	4						36		3
46	12	14	10	15	6	7	6	11	27	30	24	38	8	12	20						444		3
47	151	109	227	91	77	108	78	163	129	93	72	112	57	48	50						4,991		2
48	41	62	58	9	10	27	19	34	47	47	38	31	28	11	15						1,063		2
49	4	10	21	2	5		4	6		4		2	4	2							68		4
50																					–		N/A
51	0	1	1	1	1	0	1	0	1	0	1	1	1	0	0					0	354		3
52	8	6	7	8	5	3	3	3	3	8	3	6	7	3	6					0	360		3
53																					–		N/A
54	409	452	442	363	258	314	328	395	354	359	342	311	303	346	312						33,805		4
55	1	9	4	14	134	36	54	35	7	45	23	7	4	5							449		3
56					5	66	25	9	36	36	21	38	19	7	54					19	352		3
57		1	1	4		2									1						9		4
58												2		1							6		4
59																					–		2
60																					–		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

sch ref		Overhead (km)	Underground (km)	Total circuit length (km)
9				
10	**Circuit length by operating voltage (at year end)**	**Overhead (km)**	**Underground (km)**	**Total circuit length (km)**
11	> 66kV	0	–	0
12	50kV & 66kV	–	–	–
13	33kV	250	34	285
14	SWER (all SWER voltages)	–	7	7
15	22kV (other than SWER)	145	14	159
16	6.6kV to 11kV (inclusive—other than SWER)	2,758	425	3,183
17	Low voltage (< 1kV)	355	360	715
18	**Total circuit length (for supply)**	3,508	841	4,349
19				
20	Dedicated street lighting circuit length (km)			–
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			36
22				

sch ref		Circuit length (km)	(% of total overhead length)
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			

26 ** Extend embedded distribution networks table as necessary to disclose each embedded network owned by the EDB which is embedded in another EDB's network or in another embedded network*

Company Name	**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				
25	**Maximum coincident system demand**		**Demand at time of maximum coincident demand (MW)**	
26	GXP demand		144	
27	Distributed generation output at HV and above	*plus*	–	
28	**Maximum coincident system demand**		144	
29	Net transfers to (from) other EDBs at HV and above	*less*	–	
30	**Demand on system for supply to consumers' connection points**		144	
31	**Electricity volumes carried**		**Energy (GWh)**	
32	Electricity supplied from GXPs		827	
33	Electricity exports to GXPs	*less*	10	
34	Electricity supplied from distributed generation	*plus*	18	
35	Net electricity supplied to (from) other EDBs	*less*	–	
36	**Electricity entering system for supply to consumers' connection points**		836	
37	Total energy delivered to ICPs	*less*	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	
20			
21	**Interruption restoration**	**≤3Hrs**	**>3hrs**
22	Class C interruptions restored within	370	200
23			
24	**SAIFI and SAIDI by class**	**SAIFI**	**SAIDI**
25	Class A (planned interruptions by Transpower)	0.00	0.02
26	Class B (planned interruptions on the network)	0.26	87.55
27	Class C (unplanned interruptions on the network)	0.97	108.68
28	Class D (unplanned interruptions by Transpower)	0.03	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**	1.26	198.51
35			
36	**Normalised SAIFI and SAIDI**	**Normalised SAIFI**	**Normalised SAIDI**
37	Classes B & C (interruptions on the network)	1.23	196.23
38			

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	0.02	1.09
Vegetation	0.00	0.21
Adverse weather	0.04	8.75
Adverse environment	0.00	1.35
Third party interference	0.12	14.65
Wildlife	0.05	5.63
Human error	–	–
Defective equipment	0.51	47.44
Cause unknown	0.23	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)	0.23	82.72
Distribution cables (excluding LV)	0.00	0.61
Distribution other (excluding LV)	0.02	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)	0.81	93.25
Distribution cables (excluding LV)	0.01	1.11
Distribution other (excluding LV)	0.15	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		

COMMERCE COMMISSION
NEW ZEALAND

EDB Information Disclosure Requirements
Information Templates
for
Schedules 5f & 5g

Con	Alpine Energy Limited
Dis	30 August 2021
Dis	31 March 2021

Templates for Schedules 5f & 5g
Template Version 4.1. Prepared 21 December 2017

Table of Contents

30-Aug-21

Disclosure Template Instructions

These templates have been prepared for use by EDBs when making disclosures under subclause 2.3.2 of the Electricity Distribution Information Disclosure Determination 2012.

Instructions for completing schedules 5f & 5g

When completing schedules 5f & 5g, EDBs are only required to report on cost or asset values that are not directly attributable. If EDBs do not have any cost or asset values that are not directly attributable, they should indicate this on the first "Insert cost description" input box.
EDBs are required to submit schedules 5f & 5g to the Commission even if they do not have any cost or asset values that are not directly attributable.

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 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.

Inserting Additional Rows

The templates for schedules 5f and 5g may require additional rows to be inserted in tables.
Additional rows 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. Column A schedule references should not be entered in additional rows.

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.

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

SCHEDULE 5f: REPORT SUPPORTING COST ALLOCATIONS

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5d (Cost allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission.
This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref	#	Line Item*	Allocation methodology type	Cost allocator	Allocator type	Allocator Metric (%)		Value allocated ($000)				OVABAA allocation increase ($000)
						Electricity distribution services	Non-electricity distribution services	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	
11	Service interruptions and emergencies											
12											-	
13											-	
14											-	
15											-	
16	Not directly attributable							-	-	-	-	-
17	Vegetation management											
18											-	
19											-	
20											-	
21											-	
22	Not directly attributable							-	-	-	-	-
23	Routine and corrective maintenance and inspection											
24											-	
25											-	
26											-	
27											-	
28	Not directly attributable							-	-	-	-	-
29	Asset replacement and renewal											
30											-	
31											-	
32											-	
33											-	
34	Not directly attributable							-	-	-	-	-

36	**System operations and network support**											
37											-	
38											-	
39											-	
40											-	
41	**Not directly attributable**							-	-	-	-	-
42	**Business support**											
43		Business Support Costs	ABAA	Timesheets	Proxy	97.60%	2.40%		8,594	211	8,805	
44											-	
45											-	
46											-	
47	**Not directly attributable**							-	8,594	211	8,805	-
48												
49	**Operating costs not directly attributable**							-	8,594	211	8,805	-
50												
51	**Pass through and recoverable costs**											
52	**Pass through costs**											
53											-	
54											-	
55											-	
56											-	
57	**Not directly attributable**							-	-	-	-	-
58	**Recoverable costs**											
59											-	
60											-	
61											-	
62											-	
63	**Not directly attributable**							-	-	-	-	-
64	** include additional rows if needed*											

pwc

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

SCHEDULE 5g: REPORT SUPPORTING ASSET ALLOCATIONS

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5e (Report on Asset Allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission. This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8.

sch ref						Allocator Metric (%)		Value allocated ($000)				
10	##	Line Item*	Allocation methodology type	Allocator	Allocator type	Electricity distribution services	Non-electricity distribution services	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase ($000)
11	Subtransmission lines											
12											-	
13											-	
14											-	
15											-	
16	Not directly attributable							-	-	-	-	-
17	Subtransmission cables											
18											-	
19											-	
20											-	
21											-	
22	Not directly attributable							-	-	-	-	-
23	Zone substations											
24											-	
25											-	
26											-	
27											-	
28	Not directly attributable							-	-	-	-	-
29	Distribution and LV lines											
30											-	
31											-	
32											-	
33											-	
34	Not directly attributable							-	-	-	-	-

35	**Distribution and LV cables**											
36											-	
37											-	
38											-	
39											-	
40	**Not directly attributable**							-	-	-	-	-
41												
42	**Distribution substations and transformers**											
43											-	
44											-	
45											-	
46											-	
47	**Not directly attributable**							-	-	-	-	-
48												
49	**Distribution switchgear**											
50											-	
51											-	
52											-	
53											-	
54	**Not directly attributable**							-	-	-	-	-
55	**Other network assets**											
56											-	
57											-	
58											-	
59											-	
60	**Not directly attributable**							-	-	-	-	-
61	**Non-network assets**											
62		Land and Buildings	ABAA	Headcount	Proxy	48.15%	51.85%		5,638	6,071	11,709	
63											-	
64											-	
65											-	
66	**Not directly attributable**							-	5,638	6,071	11,709	-
67												
68	**Regulated service asset value not directly attributable**							-	5,638	6,071	11,709	-
69	** include additional rows if needed*											

pwc

Company Name	Alpine Energy
For Year Ended	31 March 2021

Schedule 14 Mandatory Explanatory Notes

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

1. This schedule requires EDBs to provide explanatory notes to information provided in accordance with clauses 2.3.1, 2.4.21, 2.4.22, and subclauses 2.5.1(1)(f),and 2.5.2(1)(e).

2. This schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.7.1. Information provided in boxes 1 to 11 of this schedule is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.

3. Schedule 15 (Voluntary Explanatory Notes to Schedules) provides for EDBs to give additional explanation of disclosed information should they elect to do so.

Return on Investment (Schedule 2)

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

Box 1: Explanatory comment on return on investment

The 2021 ROI-comparable to a post-tax WACC is 5.64%, a decrease from 11.66% in the prior year. The resulting year-end ROI comparable to a post-tax WACC is 5.40%.

The decrease in ROI is due to the decrease in revenue to $59.3 million compared to $78.4 million in 2020.

Regulatory Profit (Schedule 3)

5. In the box below, comment on regulatory profit for the disclosure year as disclosed in Schedule 3. This comment must include-

   5.1 a description of material items included in other regulated income (other than gains / (losses) on asset disposals), as disclosed in 3(i) of Schedule 3

   5.2 information on reclassified items in accordance with subclause 2.7.1(2).

Box 2: Explanatory comment on regulatory profit

Our regulated income for 2021 is $59.3 million which is a decrease of $19.1 million compared to regulated income for the previous year.

No items were reclassified.

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

6. If the EDB incurred merger and acquisitions expenditure during the disclosure year, provide the following information in the box below-

   6.1 information on reclassified items in accordance with subclause 2.7.1(2)

   6.2 any other commentary on the benefits of the merger and acquisition expenditure to the EDB.

Box 3: Explanatory comment on merger and acquisition expenditure

Not applicable. Alpine Energy did not merge with nor acquire another regulated business.

Value of the Regulatory Asset Base (Schedule 4)

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

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

Our RAB increased in value from $206 million to $211 million during the disclosure year.

For 2021 we had more assets commissioned than we had in 2020 ($15 million in 2021 compared to $12 million in 2020).

Major projects for the year included:

- Fourth Street11kV OHUG
- TIM Dawson Street OHUG
- Lilybank Road, Tek#25486 move for MDC
- Fraser & Brockley Road Timaru
- TIM Mahoney’s Hill Pole

There were no regulatory disposals during the year.

Alpine has continued to review the categorisation of RAB assets into Information Disclosure headings as part of a change to a new asset management system.

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

8. In the box below, provide descriptions and workings of the material items recorded in the following asterisked categories of 5a(i) of Schedule 5a-

    8.1 Income not included in regulatory profit / (loss) before tax but taxable;

    8.2 Expenditure or loss in regulatory profit / (loss) before tax but not deductible;

    8.3 Income included in regulatory profit / (loss) before tax but not taxable;

    8.4 Expenditure or loss deductible but not in regulatory profit / (loss) before tax.

Box 5: Regulatory tax allowance: permanent differences

- Income not included in regulatory profit / (loss) before tax but taxable: $nil
- Expenditure or loss in regulatory profit / (loss) before tax but not deductible:
    - Non-deductible Consultancy Fees $249,101
    - Non- deductible Entertainment $ 29,119
- Income included in regulatory profit / (loss) before tax but not taxable:
    - Revaluation of Investment Property was $nil in 2021

Expenditure or loss deductible but not in regulatory profit / (loss) before tax: $nil

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

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

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

- Closing 2021 temporary differences comprise:
  - Employee entitlements: $119,167
  - ACC: $1,716
  - Sponsorship: $350
  - Interest rate swaps: $132,535
  - Doubtful Debts: $24,202
- Opening 2021 temporary differences comprise:
  - Employee entitlements: $165,357
  - ACC: $7,603
  - Sponsorship: $700
  - Interest rate swaps: $65,839
  - Doubtful Debts: $41,271

Cost allocation (Schedule 5d)

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

Box 7: Cost allocation

This is the third year that Alpine applied activity based cost allocations to their operating expenditure.

A proxy allocator was used based on the percentage of time attributed to non-regulated versus regulated business. The value of costs totalling $8,594k (98%) was allocated to electricity distribution services that is not directly attributable.

Asset allocation (Schedule 5e)

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

Box 8: Commentary on asset allocation

This is the third year that Alpine applied activity based asset allocations to the regulatory asset base.

A head count proxy allocator has been used to allocate between Electricity Distribution Services and Non Electricity distribution services. The value of $5,638k (48%) was allocated as an Electricity Distribution Service that is not directly attributable.

All other assets were allocated as directly attributable.

Capital Expenditure for the Disclosure Year (Schedule 6a)

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

    12.1 a description of the materiality threshold applied to identify material projects and programmes described in Schedule 6a;

    12.2 information on reclassified items in accordance with subclause 2.7.1(2).

Box 9: Explanation of capital expenditure for the disclosure year

Capital expenditure for this period was $15.5 million in Schedule 6a, compared to $13.2 million during 2020.

We do not apply a materiality threshold to identify material CAPEX projects and programmes. All of our CAPEX spend is given a project number within our accounting system, Technology One, against which forecast expenditure and actual expenditure is set. The materiality of our CAPEX projects is based on impact of the project on the network, resource availability, etc. not a monetary threshold.

No items have been reclassified during the period.

Operational Expenditure for the Disclosure Year (Schedule 6b)

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

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

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

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

Box 10: Explanation of operational expenditure for the disclosure year

OPEX for this period is $20.0 million (in Schedule 6b), compared to the OPEX spend in 2020 of $21.3 million.

- **service interruptions and emergencies** $2.3 million
- **vegetation management** $742 thousand
- **routine and corrective maintenance and inspection** $2.8 million
- **asset replacement and renewal** $285 thousand
- **non-network** $13.8 million

No items have been reclassified this period.

2021 Information Disclosure data was captured against activities in TechOne against tasks.

No material atypical expenditure occurred during this period.

Variance between forecast and actual expenditure (Schedule 7)

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

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

Revenue

Our actual revenue at $59.3 million was $0.6m (or 1%) more than our target revenue of $58.8 million.

Capital Expenditure

The forecast values reported in Schedule 7 are based on the Forecast at nominal prices in Schedule 11 to 13 for 2020-2030.

Figure 1: Variance between the forecast CAPEX and actual CAPEX

7(ii): Expenditure on Assets	Forecast ($000) [2]	Actual ($000)	% variance
Consumer connection	2,000	5,343	167%
System growth	1,557	240	(85%)
Asset replacement and renewal	10,992	10,881	(1%)
Asset relocations	620	1,606	159%
Reliability, safety and environment:			
Quality of supply	580	–	(100%)
Legislative and regulatory	–	–	–
Other reliability, safety and environment	835	902	8%
Total reliability, safety and environment	1,415	902	(36%)
Expenditure on network assets	16,584	18,971	14%
Expenditure on non-network assets	1,539	564	(63%)
Expenditure on assets	18,123	19,535	8%

This budget is an estimate as it is dependent on the number of consumer connection applications, as well as the quantum of work associated with these applications. As detailed below, in a number of cases where expenditure was planned under different expenditure categories, large Customer Connection applications on the same part of the network resulted in a change in expenditure category due to a change in the primary driver for the expenditure.

System Growth – There are several reasons why this category was under spent as listed below:

- Required changes in the working circumstances under the various levels of COVID, leading to project delays
- $300k of underground cable upgrades was deferred to the following financial year to be included in a much larger project
- $200k relates to the ripple cell upgrade at Studholme GXP which is dependent on a Transpower upgrade now planned for 2025/26
- $500k relates to overhead line projects which forms part of larger overhead line Replacement & Renewal expenditure
- $150k relates to new RMU installations that became part of large Customer Connection projects

Asset Relocations – per definition is expenditure where third parties have requested that we re-locate assets. The budget was based on the undergrounding of Dawson Street in the Port. However, this project was delayed due to additional Customer work to enable a supply to the area in the Port where the timber is stored ready for export. The design had implications for the Dawson Street undergrounding and was subsequently delayed until an

agreement and contract with the Port had been finalised.
Quality of Supply – Expenditure in this area was planned around the automation of field reclosers and the installation of new ring main units (RMU) to allow more network flexibility and allow remote control capability. Before we could expend any money we have been researching the industry and consulting with various suppliers before a decision could be made on a specific type of plant. This process was delayed due to higher priorities on other projects that were competing for the same resources. A few RMU projects were completed on units earmarked for Quality of Supply expenditure, but since the primary driver changed to Asset Replacement & Renewal, the expenditure was captured under the latter rather than under Quality of Supply.

Vegetation Management – Vegetation and the impact this has on our network reliability continues to be a high focus area for us. Increased costs related to traffic management based on increased requirements by NZTA and Regional Councils for the management of work along roads is the main contributor to this over expenditure.

System Operations & Network Support – The over expenditure in this category is mainly contributable to the changes in the work environment under the various levels of COVID lockdown. Working from home had its initial challenges which affected productivity and the fact that less time was spent on capital projects resulted in a higher operational cost.

The variance for Expenditure on network assets is 14% or $2,387 and the variance on Expenditure on non-network assets is 63 % or ($975k) This is due to there being more of an emphasis on system growth and Asset replacement and renewal over the year.

The overall expenditure is within expectations and has moved between the categories as we adapt to the changing priorities throughout the period.

Operational Expenditure

Figure 2: Variance in OPEX spending

7(iii): Operational Expenditure

Service interruptions and emergencies	2,142	2,328	9%
Vegetation management	849	742	(13%)
Routine and corrective maintenance and inspection	3,060	2,765	(10%)
Asset replacement and renewal	306	285	(7%)
Network opex	6,357	6,120	(4%)
System operations and network support	4,254	5,243	23%
Business support	8,172	8,594	5%
Non-network opex	12,426	13,837	11%
Operational expenditure	18,783	19,957	6%

Again, the expenditure has moved between the categories due to change of priorities throughout the disclosure year.

There were no re-classified items for either OPEX or CAPEX

Information relating to revenues and quantities for the disclosure year

15. In the box below provide-

15.1 a comparison of the target revenue disclosed before the start of the disclosure year, in accordance with clause 2.4.1 and subclause 2.4.3(3) to total billed line charge revenue for the disclosure year, as disclosed in Schedule 8; and

15.2 explanatory comment on reasons for any material differences between target revenue and total billed line charge revenue.

Box 12: Explanatory comment relating to revenue for the disclosure year
Actual line charge revenue 1% above budget.

Network Reliability for the Disclosure Year (Schedule 10)

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

Box 13: Commentary on network reliability for the disclosure year

Alpine Energy's Class B SAIDI performance was 87.55 SAIDI minutes, the limit for the 5 year Default Price Quality Path (DPP) period ending 2025 is 824.87.

Class C SAIDI performance was 108.68 SAIDI minutes, above the unplanned target of 91.88 and below the unplanned SAIDI limit of 124.71.

Alpine Energy's Class B SAIFI performance was 0.26, the limit for the 5 year Default Price Quality Path (DPP) period ending 2025 is 3.4930.

Class C SAIFI performance was 0.97, below the unplanned SAIFI limit of 1.1970.

It is important to note that:

(i) the difference between the target and actual does not amount to the SAIDI limit under Default Price Quality Path (DPP)

(ii) the normalisation methodology used here is as per the Input Methodologies and is inconsistent with the methodology employed in DPP.

Insurance cover

17. In the box below, provide details of any insurance cover for the assets used to provide electricity distribution services, including-

17.1 The EDB's approaches and practices in regard to the insurance of assets used to provide electricity distribution services, including the level of insurance;

17.2 In respect of any self-insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

Box 14: Explanation of insurance cover
Alpine takes out insurance cover for its vehicles and buildings (including substations) and has public liability insurance. The Company does not insure our network, for example poles and lines as the premiums are prohibitive.

Amendments to previously disclosed information

18. In the box below, provide information about amendments to previously disclosed information disclosed in accordance with clause 2.12.1 in the last 7 years, including:

18.1 a description of each error; and

18.2 for each error, reference to the web address where the disclosure made in accordance with clause 2.12.1 is publicly disclosed.

Box 15: Disclosure of amendment to previously disclosed information
There were no amendments to previously disclosed information during the 2020/21 Disclosure year. The published IDs can be found at http://www.alpineenergy.co.nz/disclosures

Company Name	Alpine Energy
For Year Ended	31 March 2021

Schedule 14a Mandatory Explanatory Notes on Forecast Information

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

1. This Schedule requires EDBs to provide explanatory notes to reports prepared in accordance with clause 2.6.6.

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

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

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

Box 1: Commentary on difference between nominal and constant price capital expenditure forecasts

To derive the capital expenditure in nominal dollar terms the constant price forecasts were inflated by approximately 1.5% per annum, on a straight-line basis, to derive the 10–year forecast,1.5% was selected as a conservative inflationary rate based on New Zealand Treasury 10-year outlook. Therefore the difference between nominal and constant expenditure forecasts is an inflationary impact of 1.5% per year.

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

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

Box 2: Commentary on difference between nominal and constant price operational expenditure forecasts

To derive the operational expenditure in nominal dollar terms the constant price forecasts were deflated by approximately 1.5% per annum, on a straight-line basis, to derive the 10–year forecast. The expenditure is reducing to reflect the expected efficiency gains per annum that will be found by improvements to our processes and practices. We expect to share these benefits with customers by reducing our operating expenditure, in real terms, over the next 10 years. Therefore the difference between nominal and constant operational expenditure forecasts is a reduction of 1.5% per year.

Company Name Alpine Energy

For Year Ended 31 March 2021

Schedule 15 Voluntary Explanatory Notes

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

1. This schedule enables EDBs to provide, should they wish to-

    1.1 additional explanatory comment to reports prepared in accordance with clauses 2.3.1, 2.4.21, 2.4.22, 2.5.1 and 2.5.2;

    1.2 information on any substantial changes to information disclosed in relation to a prior disclosure year, as a result of final wash-ups.

2. Information in this schedule is not part of the audited disclosure information, and so is not subject to the assurance requirements specified in section 2.8.

3. Provide additional explanatory comment in the box below.

Box 1: Voluntary explanatory comment on disclosed information

We have a significantly higher level of confidence in the figures reported in 2021 than we have had at previous reported years. This is due to the implementation of Technology One in 2017 and continued data cleansing to derive schedules 9a and 9b. This relates specifically to the quality of information rather than the physical change of assets.

Network reliability is compliant with quality requirements under the default price-quality path, however there are inherent limitations in the ability of Alpine Energy to collect and record the network reliability information required to be disclosed in Schedule 10(i) to 10(iv). Consequently there is no independent evidence available to support the accuracy of recorded faults and control over the accuracy of installation control point ('ICP') data included in the SAIDI and SAIFI calculations is limited throughout the year.

Alpine treats successive interruptions in the following way:

a. Relates directly to that initial interruption. These would usually be reported as a separate outage, if however the original outage was classed as unknown it is updated as if the following fault can be confirmed to have caused the original.
b. Occurs as part of the process of restoring supply of electricity lines services following that initial interruption. - In this situation the outage would be recorded as part of the original fault, the cause would be the same for both, but where ICP's go off more than once they would be reported as such to keep the SAIFI correct.

Exemption related to Schedule 10 - Network reliability and note on director certification

On 17 May 2021, the Commission Commerce released a document:
To: All suppliers of electricity distribution services as regulated under Part 4 of the Commerce Act 1986: titled, Information Disclosure exemption: Disclosure and auditing of reliability information within Schedule 10.

The Commission granted all EDBs an exemption for the 2021 disclosure year, subject to the condition at paragraph 7 of the letter, from:

- the requirement that the assurance report required to be procured by clause 2.8.1(1) of the ID determination in respect of the information in Schedule 10 of the ID determination must take into account any issues arising out of the EDB's recording of SAIDI, SAIFI and number of interruptions due to successive interruptions.

The Directors of Alpine Energy Limited note that they have not been provided a comparable exemption from:

- the requirement that the certificate required by clause 2.9.2 of the ID determination in respect of clause 2.5.1(1)(f), the information in Schedule 10 of the ID determination, must take into account any issues arising out of the EDB's recording of SAIDI, SAIFI and number of interruptions due to successive interruptions.

The Directors of Alpine Energy Limited certify that:

Alpine Energy Limited has continued to treat successive interruptions in the same way for the 2021 disclosure year as they were for the 2019 disclosure year.