



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

Company Name	Alpine Energy Limited
Disclosure Date	30 November 2023
Disclosure Year (year ended)	31 March 2019

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 2019**

SCHEDULE 1: ANALYTICAL RATIOS

This schedule calculates expenditure, revenue and service ratios from the information disclosed. The disclosed ratios may vary for reasons that are company specific and, as a result, must be interpreted with care. The Commerce Commission will publish a summary and analysis of information disclosed in accordance with the ID determination. This will include information disclosed in accordance with this and other schedules, and information disclosed under the other requirements of the determination.

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

sch ref

7 1(i): Expenditure metrics

	Expenditure per GWh energy delivered to ICPs (\$/GWh)	Expenditure per average no. of ICPs (\$/ICP)	Expenditure per MW maximum coincident system demand (\$/MW)	Expenditure per km circuit length (\$/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers (\$/MVA)
Operational expenditure	22,613	551	130,756	4,238	30,232
Network	6,769	165	39,142	1,269	9,050
Non-network	15,844	386	91,614	2,969	21,182
Expenditure on assets	22,848	557	132,114	4,282	30,545
Network	22,066	538	127,590	4,136	29,500
Non-network	782	19	4,524	147	1,046

17 1(ii): Revenue metrics

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
Total consumer line charge revenue	81,568	1,987
Standard consumer line charge revenue	104,674	1,836
Non-standard consumer line charge revenue	22,221	419,851

23 1(iii): Service intensity measures

Demand density	32	Maximum coincident system demand per km of circuit length (for supply) (kW/km)
Volume density	187	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	24,361	Total energy delivered to ICPs per average number of ICPs (kWh/ICP)

30 1(iv): Composition of regulatory income

	(\$000)	% of revenue
Operational expenditure	18,296	27.72%
Pass-through and recoverable costs excluding financial incentives and wash-ups	16,219	24.58%
Total depreciation	9,135	13.84%
Total revaluations	3,180	4.82%
Regulatory tax allowance	6,292	9.53%
Regulatory profit/(loss) including financial incentives and wash-ups	19,233	29.14%
Total regulatory income	65,994	

40 1(v): Reliability

Interruption rate	11.74	Interruptions per 100 circuit km
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Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2019**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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

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

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

sch ref

2(i): Return on Investment		CY-2	CY-1	Current Year CY
		31 Mar 17	31 Mar 18	31 Mar 19
		%	%	%
7	ROI – comparable to a post tax WACC			
8				
9	Reflecting all revenue earned	8.10%	6.64%	8.81%
10	Excluding revenue earned from financial incentives	8.10%	6.66%	8.75%
11	Excluding revenue earned from financial incentives and wash-ups	5.65%	4.32%	6.42%
12				
13				
14	Mid-point estimate of post tax WACC	4.77%	5.04%	4.75%
15	25th percentile estimate	4.05%	4.36%	4.07%
16	75th percentile estimate	5.48%	5.72%	5.43%
17				
18				
19	ROI – comparable to a vanilla WACC			
20	Reflecting all revenue earned	8.65%	7.23%	9.32%
21	Excluding revenue earned from financial incentives	8.65%	7.26%	9.26%
22	Excluding revenue earned from financial incentives and wash-ups	6.19%	4.91%	6.92%
23				
24	WACC rate used to set regulatory price path	7.19%	7.19%	7.19%
25				
26	Mid-point estimate of vanilla WACC	5.31%	5.60%	5.26%
27	25th percentile estimate	4.59%	4.92%	4.58%
28	75th percentile estimate	6.03%	6.29%	5.94%
29				
30	2(ii): Information Supporting the ROI	(\$000)		
31				
32	Total opening RAB value	214,359		
33	plus Opening deferred tax	(9,435)		
34	Opening RIV		204,924	
35				
36	Line charge revenue		65,994	
37				
38	Expenses cash outflow	34,515		
39	add Assets commissioned	17,450		
40	less Asset disposals	–		
41	add Tax payments	4,270		
42	less Other regulated income	–		
43	Mid-year net cash outflows		56,236	
44				
45	Term credit spread differential allowance		–	
46				
47	Total closing RAB value	218,988		
48	less Adjustment resulting from asset allocation	(6,867)		
49	less Lost and found assets adjustment	–		
50	plus Closing deferred tax	(11,456)		
51	Closing RIV		214,399	
52				
53	ROI – comparable to a vanilla WACC			9.32%
54				
55	Leverage (%)			42%
56	Cost of debt assumption (%)			4.33%
57	Corporate tax rate (%)			28%
58				
59	ROI – comparable to a post tax WACC			8.81%
60				

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2019**

SCHEDULE 2: REPORT ON RETURN ON INVESTMENT

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

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

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

sch ref

2(iii): Information Supporting the Monthly ROI

Opening RIV 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 5.86%

Year-end ROI – comparable to a post tax WACC 5.35%

** 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	166
Other financial incentives	-
Financial incentives	166

Impact of financial incentives on ROI 0.06%

Input methodology claw-back	2,875
CPP application recoverable costs	-
Catastrophic event allowance	-
Capex wash-up adjustment	590
Transmission asset wash-up adjustment	-
2013–15 NPV wash-up allowance	3,076
Reconsideration event allowance	-
Other wash-ups	-
Wash-up costs	6,541

Impact of wash-up costs on ROI 2.34%

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2019**

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	65,994
10	plus Gains / (losses) on asset disposals	-
11	plus Other regulated income (other than gains / (losses) on asset disposals)	-
12		
13	Total regulatory income	65,994
14	Expenses	
15	less Operational expenditure	18,296
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	16,219
18		
19	Operating surplus / (deficit)	31,479
20		
21	less Total depreciation	9,135
22		
23	plus Total revaluations	3,180
24		
25	Regulatory profit / (loss) before tax	25,525
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	6,292
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	19,233
32		
33	3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups	(\$000)
34	Pass through costs	
35	Rates	95
36	Commerce Act levies	99
37	Industry levies	157
38	CPP specified pass through costs	-
39	Recoverable costs excluding financial incentives and wash-ups	
40	Electricity lines service charge payable to Transpower	14,041
41	Transpower new investment contract charges	1,827
42	System operator services	-
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	16,219
47		

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2019**

SCHEDULE 3: REPORT ON REGULATORY PROFIT

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

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

sch ref

		(\$000)	
		CY-1	CY
		31 Mar 18	31 Mar 19
48	3(iii): Incremental Rolling Incentive Scheme		
49			
50			
51	Allowed controllable opex	N/A	N/A
52	Actual controllable opex	N/A	N/A
53			
54	Incremental change in year		N/A
55			
56		Previous years' incremental change	Previous years' incremental change adjusted for inflation
57	CY-5 31 Mar 14	N/A	N/A
58	CY-4 31 Mar 15	N/A	N/A
59	CY-3 31 Mar 16	N/A	N/A
60	CY-2 31 Mar 17	N/A	N/A
61	CY-1 31 Mar 18	N/A	N/A
62	Net incremental rolling incentive scheme		-
63			
64	Net recoverable costs allowed under incremental rolling incentive scheme		-
65	3(iv): Merger and Acquisition Expenditure		
66			(\$000)
67	Merger and acquisition expenditure		N/A
68	<i>Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)</i>		
69	3(v): Other Disclosures		
70			(\$000)
71	Self-insurance allowance		N/A

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2019**

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

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

sch ref

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

	for year ended				
	RAB 31 Mar 15 (\$000)	RAB 31 Mar 16 (\$000)	RAB 31 Mar 17 (\$000)	RAB 31 Mar 18 (\$000)	RAB 31 Mar 19 (\$000)
Total opening RAB value	159,366	172,594	175,913	190,264	214,359
less Total depreciation	6,204	7,000	7,463	9,046	9,135
plus Total revaluations	134	715	3,805	2,093	3,180
plus Assets commissioned	18,705	11,857	18,589	31,047	17,450
less Asset disposals	225	87	306	-	-
plus Lost and found assets adjustment	817	(2,166)	(274)	-	-
plus Adjustment resulting from asset allocation	1.0	(0)	1	-	(6,867)
Total closing RAB value	172,594	175,913	190,264	214,359	218,988

4(ii): Unallocated Regulatory Asset Base

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value		214,359		214,359
less Total depreciation		9,135		9,135
plus Total revaluations		3,180		3,180
plus Assets commissioned (other than below)	2,068		2,068	
Assets acquired from a regulated supplier	-		-	
Assets acquired from a related party	15,382		15,382	
Assets commissioned		17,450		17,450
less Asset disposals (other than below)	-		-	
Asset disposals to a regulated supplier	-		-	
Asset disposals to a related party	-		-	
Asset disposals		-		-
plus Lost and found assets adjustment		-		-
plus Adjustment resulting from asset allocation				(6,867)
Total closing RAB value		225,855		218,988

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



Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2019**

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

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

sch ref

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

CPI _t	1,026
CPI _{t-4}	1,011
Revaluation rate (%)	1.48%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	214,359		214,359	
less Opening value of fully depreciated, disposed and lost assets	-		-	
Total opening RAB value subject to revaluation	214,359		214,359	
Total revaluations		3,180		3,180

4(iv): Roll Forward of Works Under Construction

	Unallocated works under construction		Allocated works under construction	
Works under construction—preceding disclosure year		4,482		4,482
plus Capital expenditure	14,499		14,499	
less Assets commissioned	17,450		17,450	
plus Adjustment resulting from asset allocation		-		-
Works under construction - current disclosure year		1,531		1,531

Highest rate of capitalised finance applied -



Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2019**

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

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

sch ref

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

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
77 Depreciation - standard	7,470		7,470	
78 Depreciation - no standard life assets	1,664		1,664	
79 Depreciation - modified life assets	-		-	
80 Depreciation - alternative depreciation in accordance with CPP	-		-	
81 Total depreciation		9,135		9,135

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

(\$000 unless otherwise specified)

Asset or assets with changes to depreciation*	Reason for non-standard depreciation (text entry)	Closing RAB value		
		Depreciation charge for the period (RAB)	under 'non-standard' depreciation	Closing RAB value under 'standard' depreciation
86 None	87 Not Applicable	88 Not Applicable	89 Not Applicable	90 Not Applicable
91				
92				
93				
94				

* include additional rows if needed

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

(\$000 unless otherwise specified)

	Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
97 Total opening RAB value	12,850	3,130	42,125	45,712	48,664	25,102	10,398	6,135	20,242	214,359
98 less Total depreciation	585	79	1,538	2,097	1,493	1,019	288	371	1,664	9,135
99 plus Total revaluations	191	46	625	678	722	372	154	90	300	3,180
100 plus Assets commissioned	836	0	9,374	2,514	1,943	0	1,485	1,102	197	17,450
101 less Asset disposals	-	-	-	-	-	-	-	-	-	-
102 plus Lost and found assets adjustment										
103 plus Adjustment resulting from asset allocation									(6,867)	(6,867)
104 plus Asset category transfers		1,681	1,066			(2,747)				
105 Total closing RAB value	13,291	4,778	51,651	46,807	49,836	21,709	11,750	6,957	12,208	218,988
106 Asset Life										
107 Weighted average remaining asset life	35	41	35	31	39	27	36	28	28	(years)
108 Weighted average expected total asset life	51	45	44	53	55	45	42	37	31	(years)

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2019**

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 100.

sch ref

		(\$000)	
7	5a(i): Regulatory Tax Allowance		
8	Regulatory profit / (loss) before tax		25,525
9			
10	<i>plus</i> Income not included in regulatory profit / (loss) before tax but taxable	-	*
11	Expenditure or loss in regulatory profit / (loss) before tax but not deductible	388	*
12	Amortisation of initial differences in asset values	2,722	
13	Amortisation of revaluations	664	
14			3,775
15			
16	<i>less</i> Total revaluations	3,180	
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	3,649	
21			6,829
22			
23	Regulatory taxable income		22,471
24			
25	<i>less</i> Utilised tax losses	-	
26	Regulatory net taxable income		22,471
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		6,292

* Workings to be provided in Schedule 14

5a(ii): Disclosure of Permanent Differences

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

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

(\$000)

36	Opening unamortised initial differences in asset values	45,429	
37	<i>less</i> Amortisation of initial differences in asset values	2,722	
38	<i>plus</i> Adjustment for unamortised initial differences in assets acquired	-	
39	<i>less</i> Adjustment for unamortised initial differences in assets disposed	-	
40	Closing unamortised initial differences in asset values		42,707
41			
42	Opening weighted average remaining useful life of relevant assets (years)		16.7
43			

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2019**

SCHEDULE 5a: REPORT ON REGULATORY TAX ALLOWANCE

This schedule requires information on the calculation of the regulatory tax allowance. This information is used to calculate regulatory profit/loss in Schedule 3 (regulatory profit). EDBs must provide explanatory commentary on the information disclosed in this schedule, in Schedule 14 (Mandatory Explanatory Notes). This information is part of audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 100.

sch ref

44	5a(iv): Amortisation of Revaluations		(\$000)
45			
46	Opening sum of RAB values without revaluations	200,737	
47			
48	Adjusted depreciation	8,470	
49	Total depreciation	9,135	
50	Amortisation of revaluations		664
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	(9,435)	
61			
62	plus Tax effect of adjusted depreciation	2,372	
63			
64	less Tax effect of tax depreciation	3,638	
65			
66	plus Tax effect of other temporary differences*	7	
67			
68	less Tax effect of amortisation of initial differences in asset values	762	
69			
70	plus Deferred tax balance relating to assets acquired in the disclosure year	-	
71			
72	less Deferred tax balance relating to assets disposed in the disclosure year	-	
73			
74	plus Deferred tax cost allocation adjustment	-	
75			
76	Closing deferred tax		(11,456)
77			
78	5a(vii): Disclosure of Temporary Differences		
79	<i>In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).</i>		
80			
81	5a(viii): Regulatory Tax Asset Base Roll-Forward		(\$000)
82			
83	Opening sum of regulatory tax asset values	122,667	
84	less Tax depreciation	12,993	
85	plus Regulatory tax asset value of assets commissioned	17,450	
86	less Regulatory tax asset value of asset disposals	-	
87	plus Lost and found assets adjustment	-	
88	plus Adjustment resulting from asset allocation	(6,867)	
89	plus Other adjustments to the RAB tax value	-	
90	Closing sum of regulatory tax asset values		120,257

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2019**

SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS

This schedule provides information on the valuation of related party transactions, in accordance with clause 2.3.6 of the ID determination. This information is part of audited disclosure information (as defined in clause 1.4 of the ID determination), and so is subject to the assurance report required by clause 2.8.

sch ref

5b(i): Summary—Related Party Transactions		(\$000)	(\$000)
7	Total regulatory income		–
8			
9			
10	Market value of asset disposals		–
11			
12	Service interruptions and emergencies	2,217	
13	Vegetation management	443	
14	Routine and corrective maintenance and inspection	2,249	
15	Asset replacement and renewal (opex)	88	
16	Network opex		4,997
17	Business support	–	
18	System operations and network support	96	
19	Operational expenditure		5,093
20	Consumer connection	3,624	
21	System growth	824	
22	Asset replacement and renewal (capex)	5,633	
23	Asset relocations	309	
24	Quality of supply	102	
25	Legislative and regulatory	1	
26	Other reliability, safety and environment	456	
27	Expenditure on non-network assets		3
28	Expenditure on assets		10,952
29	Cost of financing		–
30	Value of capital contributions		–
31	Value of vested assets		–
32	Capital Expenditure		10,952
33	Total expenditure		16,045
34			
35	Other related party transactions		63

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

Name of related party	Nature of opex or capex service provided	Total value of transactions (\$000)
38 Netcon	Consumer connection	3,624
39 Netcon	Asset replacement and renewal (capex)	5,633
40 Netcon	System growth	824
41 Netcon	Asset relocations	309
42 Netcon	Quality of supply	102
43 Netcon	Legislative and regulatory	1
44 Netcon	Other reliability, safety and environment	456
45 Netcon	Expenditure on non-network assets	3
46 Netcon	Service interruptions and emergencies	2,217
47 Netcon	Vegetation management	443
48 Netcon	Routine and corrective maintenance and inspection	2,249
49 Netcon	Asset replacement and renewal (opex)	88
50 Netcon	System operations and network support	96
51		
52		
53	Total value of related party transactions	16,045

* include additional rows if needed



Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2019**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

		Value allocated (\$000s)				
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000s)
7	5d(i): Operating Cost Allocations					
8						
9						
10	Service interruptions and emergencies					
11	Directly attributable		2,340			
12	Not directly attributable	-	-	-	-	Not Applicable
13	Total attributable to regulated service		2,340			
14	Vegetation management					
15	Directly attributable		562			
16	Not directly attributable	-	-	-	-	Not Applicable
17	Total attributable to regulated service		562			
18	Routine and corrective maintenance and inspection					
19	Directly attributable		2,482			
20	Not directly attributable	-	-	-	-	Not Applicable
21	Total attributable to regulated service		2,482			
22	Asset replacement and renewal					
23	Directly attributable		93			
24	Not directly attributable	-	-	-	-	Not Applicable
25	Total attributable to regulated service		93			
26	System operations and network support					
27	Directly attributable		5,205			
28	Not directly attributable	-	-	-	-	Not Applicable
29	Total attributable to regulated service		5,205			
30	Business support					
31	Directly attributable		-			
32	Not directly attributable	-	6,717	897	7,614	Not Applicable
33	Total attributable to regulated service		6,717			
34						
35	Operating costs directly attributable		10,682			
36	Operating costs not directly attributable	-	6,717	897	7,614	-
37	Operational expenditure		17,399			
38						

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2019**

SCHEDULE 5d: REPORT ON COST ALLOCATIONS

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

sch ref

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

	(\$000)
40 Pass through and recoverable costs	
41 Pass through costs	
42 Directly attributable	351
43 Not directly attributable	-
44 Total attributable to regulated service	351
45 Recoverable costs	
46 Directly attributable	15,869
47 Not directly attributable	-
48 Total attributable to regulated service	15,869

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

		(\$000)	
		CY-1	Current Year (CY)
51 Change in cost allocation 1			
52 Cost category	Business Support		
53 Original allocator or line items	Directly Attributable	7,295	7,614
54 New allocator or line items	Revenue	6,436	6,717
55 Rationale for change	Costs apportioned on a proxy of percentage revenue earned on non-electricity distribution services versus the regulated business, under the change from ACAM to ABAA in the current year under the current year's determination.		
56 Difference		859	897

		(\$000)	
		CY-1	Current Year (CY)
60 Change in cost allocation 2			
61 Cost category	None		
62 Original allocator or line items	None	-	-
63 New allocator or line items	None	-	-
64 Rationale for change	Not Applicable		
65 Difference		-	-

		(\$000)	
		CY-1	Current Year (CY)
69 Change in cost allocation 3			
70 Cost category	None		
71 Original allocator or line items	None	-	-
72 New allocator or line items	None	-	-
73 Rationale for change	Not Applicable		
74 Difference		-	-

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 2019**

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		13,291
Not directly attributable		-
Total attributable to regulated service		13,291
Subtransmission cables		
Directly attributable		4,778
Not directly attributable		-
Total attributable to regulated service		4,778
Zone substations		
Directly attributable		51,651
Not directly attributable		-
Total attributable to regulated service		51,651
Distribution and LV lines		
Directly attributable		46,807
Not directly attributable		-
Total attributable to regulated service		46,807
Distribution and LV cables		
Directly attributable		49,836
Not directly attributable		-
Total attributable to regulated service		49,836
Distribution substations and transformers		
Directly attributable		21,709
Not directly attributable		-
Total attributable to regulated service		21,709
Distribution switchgear		
Directly attributable		11,750
Not directly attributable		-
Total attributable to regulated service		11,750
Other network assets		
Directly attributable		6,957
Not directly attributable		-
Total attributable to regulated service		6,957
Non-network assets		
Directly attributable		6,222
Not directly attributable		5,987
Total attributable to regulated service		12,209
Regulated service asset value directly attributable		213,001
Regulated service asset value not directly attributable		5,987
Total closing RAB value		218,988

5e(ii): Changes in Asset Allocations* †		(\$000)	
		CY-1	Current Year (CY)
Change in asset value allocation 1			
Asset category	Land and buildings	Original allocation	11,926
Original allocator or line items	Directly Attributable	New allocation	5,455
New allocator or line items	Revenue	Difference	6,370
Rationale for change	The non-directly attributable asset includes the portion of buildings not directly attributable to the network. This is based on a headcount of regulated and non-regulated, network and support services. The change was only applied to Land and Buildings and not the entire value of Non-Network assets, under the change from ACAM to ABAA in the current year under the current year's determination.		
Change in asset value allocation 2			
Asset category	Not Applicable	Original allocation	-
Original allocator or line items	Not Applicable	New allocation	-
New allocator or line items	Not Applicable	Difference	-
Rationale for change	Not Applicable		
Change in asset value allocation 3			
Asset category	Not Applicable	Original allocation	-
Original allocator or line items	Not Applicable	New allocation	-
New allocator or line items	Not Applicable	Difference	-
Rationale for change	Not Applicable		

* 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 2019**

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

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

sch ref

7	6a(i): Expenditure on Assets		(\$000)	(\$000)
8	Consumer connection			4,239
9	System growth			1,625
10	Asset replacement and renewal			7,450
11	Asset relocations			3,171
12	Reliability, safety and environment:			
13	Quality of supply	147		
14	Legislative and regulatory	-		
15	Other reliability, safety and environment	1,221		
16	Total reliability, safety and environment			1,368
17	Expenditure on network assets			17,853
18	Expenditure on non-network assets			633
19				
20	Expenditure on assets			18,486
21	plus Cost of financing			-
22	less Value of capital contributions			3,987
23	plus Value of vested assets			-
24				
25	Capital expenditure			14,499
26	6a(ii): Subcomponents of Expenditure on Assets (where known)			(\$000)
27	Energy efficiency and demand side management, reduction of energy losses			-
28	Overhead to underground conversion			3,171
29	Research and development			-
30	6a(iii): Consumer Connection			
31	<i>Consumer types defined by EDB*</i>		(\$000)	(\$000)
32	Commercial		2	
33	Subdivision		1,770	
34	HV Alterations		263	
35	Irrigation		1,044	
36	LV Alterations		149	
37	Residential		1,012	
38	<i>* include additional rows if needed</i>			
39	Consumer connection expenditure			4,239
40	less Capital contributions funding consumer connection expenditure		3,755	
41	Consumer connection less capital contributions			484
42	6a(iv): System Growth and Asset Replacement and Renewal			
43			System Growth	Asset Replacement and Renewal
44			(\$000)	(\$000)
45	Subtransmission		19	332
46	Zone substations		1,316	1,498
47	Distribution and LV lines		58	3,909
48	Distribution and LV cables		127	222
49	Distribution substations and transformers		11	827
50	Distribution switchgear		93	624
51	Other network assets		-	38
52	System growth and asset replacement and renewal expenditure		1,625	7,450
53	less Capital contributions funding system growth and asset replacement and renewal		77	122
54	System growth and asset replacement and renewal less capital contributions		1,549	7,328
55				
56	6a(v): Asset Relocations			
57	<i>Project or programme*</i>		(\$000)	(\$000)
58	O/H to Underground Relocations		3,171	
59				
60				
61				
62				
63	<i>* include additional rows if needed</i>			
64	All other projects or programmes - asset relocations		-	
65	Asset relocations expenditure			3,171
66	less Capital contributions funding asset relocations		-	
67	Asset relocations less capital contributions			3,171

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2019**

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	Reclosers	147		
72				
73				
74				
75				
76	* include additional rows if needed			
77	All other projects programmes - quality of supply	-		
78	Quality of supply expenditure		147	
79	less Capital contributions funding quality of supply	-		
80	Quality of supply less capital contributions		147	
81	6a(vii): Legislative and Regulatory			
82	Project or programme*	(\$000)	(\$000)	
83	None	-		
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	Reclosers	500		
96	Automation	255		
97	Ablay Locks	139		
98	Communications	327		
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		1,221	
103	less Capital contributions funding other reliability, safety and environment	33		
104	Other reliability, safety and environment less capital contributions		1,188	
105				
106	6a(ix): Non-Network Assets			
107	Routine expenditure			
108	Project or programme*	(\$000)	(\$000)	
109	Land and Building	302		
110	Plant and Equipment	143		
111	Software and IT	185		
112	Vehicles	3		
113				
114	* include additional rows if needed			
115	All other projects or programmes - routine expenditure	-		
116	Routine expenditure		633	
117	Atypical expenditure			
118	Project or programme*	(\$000)	(\$000)	
119	None	-		
120				
121				
122				
123				
124	* include additional rows if needed			
125	All other projects or programmes - atypical expenditure	-		
126	Atypical expenditure		-	
127				
128	Expenditure on non-network assets		633	

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2019**

SCHEDULE 6b: REPORT ON OPERATIONAL EXPENDITURE FOR THE DISCLOSURE YEAR

This schedule requires a breakdown of operational expenditure incurred in the disclosure year.

EDBs must provide explanatory comment on their operational expenditure in Schedule 14 (Explanatory notes to templates). This includes explanatory comment on any atypical operational expenditure and assets replaced or renewed as part of asset replacement and renewal operational expenditure, and additional information on insurance.

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

sch ref

		(\$000)	(\$000)
7	6b(i): Operational Expenditure		
8	Service interruptions and emergencies	2,340	
9	Vegetation management	562	
10	Routine and corrective maintenance and inspection	2,482	
11	Asset replacement and renewal	93	
12	Network opex		5,477
13	System operations and network support	5,205	
14	Business support	7,614	
15	Non-network opex		12,819
16			
17	Operational expenditure		18,296
18	6b(ii): Subcomponents of Operational Expenditure (where known)		
19	Energy efficiency and demand side management, reduction of energy losses		4
20	Direct billing*		-
21	Research and development		-
22	Insurance		264
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

Company Name **Alpine Energy Limited**
For Year Ended **31 March 2019**

SCHEDULE 7: COMPARISON OF FORECASTS TO ACTUAL EXPENDITURE

This schedule compares actual revenue and expenditure to the previous forecasts that were made for the disclosure year. Accordingly, this schedule requires the forecast revenue and expenditure information from previous disclosures to be inserted.

EDBs must provide explanatory comment on the variance between actual and target revenue and forecast expenditure in Schedule 14 (Mandatory Explanatory Notes). This information is part of the audited disclosure information (as defined in section 1.4 of the ID determination), and so is subject to the assurance report required by section 2.8. For the purpose of this audit, target revenue and forecast expenditures only need to be verified back to previous disclosures.

sch ref

7(i): Revenue		Target (\$000) ¹	Actual (\$000)	% variance
7				
8	Line charge revenue	69,703	65,994	(5%)
7(ii): Expenditure on Assets		Forecast (\$000) ²	Actual (\$000)	% variance
9				
10	Consumer connection	2,040	4,239	108%
11	System growth	2,414	1,625	(33%)
12	Asset replacement and renewal	8,629	7,450	(14%)
13	Asset relocations	632	3,171	402%
14	Reliability, safety and environment:			
15	Quality of supply	995	147	(85%)
16	Legislative and regulatory	–	–	–
17	Other reliability, safety and environment	597	1,221	105%
18	Total reliability, safety and environment	1,592	1,368	(14%)
19	Expenditure on network assets	15,307	17,853	17%
20	Expenditure on non-network assets	1,615	633	(61%)
21	Expenditure on assets	16,922	18,486	9%
7(iii): Operational Expenditure				
22				
23	Service interruptions and emergencies	1,436	2,340	63%
24	Vegetation management	610	562	(8%)
25	Routine and corrective maintenance and inspection	3,165	2,482	(22%)
26	Asset replacement and renewal	307	93	(70%)
27	Network opex	5,518	5,477	(1%)
28	System operations and network support	4,129	5,205	26%
29	Business support	7,810	7,614	(3%)
30	Non-network opex	11,939	12,819	7%
31	Operational expenditure	17,457	18,296	5%
7(iv): Subcomponents of Expenditure on Assets (where known)				
32				
33	Energy efficiency and demand side management, reduction of energy losses	–	–	–
34	Overhead to underground conversion	620	3,171	411%
35	Research and development	–	–	–
36				
7(v): Subcomponents of Operational Expenditure (where known)				
37				
38	Energy efficiency and demand side management, reduction of energy losses	–	4	–
39	Direct billing	–	–	–
40	Research and development	–	–	–
41	Insurance	214	264	24%

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

2 From the CY+1 nominal dollar expenditure forecasts disclosed in accordance with clause 2.6.6 for the forecast period starting at the beginning of the disclosure year (the second to last disclosure of Schedules 11a and 11b)

Company Name	Alpine Energy Limited
For Year Ended	31 March 2019
Network / Sub-Network Name	

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

This schedule requires the billed quantities and associated line charge revenues for each price category code used by the EDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

sch ref

8(i): Billed Quantities by Price Component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Average no. of ICPs in disclosure year	Energy delivered to ICPs in disclosure year (MWh)
LOWHCA	Low Charge	Standard	1,685	10,097
LOWLCA	Low Charge	Standard	9,464	53,961
LOWUHCA	Low Uncontrolled	Standard	16	95
LOWULCA	Low Uncontrolled	Standard	30	155
015HCA	015	Standard	6,120	56,089
015LCA	015	Standard	12,707	111,078
015UHCA	015 Uncontrolled	Standard	32	339
015ULCA	015 Uncontrolled	Standard	44	368
360HCA	360	Standard	515	10,719
360LCA	360	Standard	733	21,971
360UHCA	360 Uncontrolled	Standard	14	630
360ULCA	360 Uncontrolled	Standard	15	355
ASSHCA	Assessed	Standard	1,286	108,989
ASSLCA	Assessed	Standard	393	37,958
TOU400HCA	TOU 400V	Standard	39	24,459
TOU400LCA	TOU 400V	Standard	102	103,386
TOU11HCA	TOU 11kV	Standard	6	26,728
TOU11LCA	TOU 11kV	Standard	4	14,968
Individual Direct Billed	IND	Non-standard	12	226,731
<i>Add extra rows for additional consumer groups or price category codes as necessary</i>				
Standard consumer totals			33,200	582,345
Non-standard consumer totals			12	226,731
Total for all consumers			33,212	809,076

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

Billed quantities by price component

Price component	Distribution Fixed	Distribution Variable Day	Distribution Variable Night	Distribution Demand	Transmission Fixed	Transmission Variable Day	Transmission Variable Night	Transmission Demand
	Number of ICP's	MWH	MWH	MW	Number of ICP's	MWH	MWH	MW
	1,685	7,068	3,029	-	-	7,068	3,029	-
	9,464	37,773	16,188	-	-	37,773	16,188	-
	16	66	28	-	-	66	28	-
	30	108	46	-	-	108	46	-
	6,120	39,263	16,827	-	-	39,263	16,827	-
	12,707	77,754	33,323	-	-	77,754	33,323	-
	32	238	102	-	32	238	102	-
	44	258	110	-	44	258	110	-
	515	7,504	3,216	-	-	7,504	3,216	-
	733	15,380	6,591	-	-	15,380	6,591	-
	14	441	189	-	14	441	189	-
	15	249	107	-	15	249	107	-
	1,286	76,132	32,857	110	-	76,132	32,857	110
	393	26,186	11,771	37	-	26,186	11,771	37
	39	17,053	7,405	9	-	17,053	7,405	9
	102	71,011	32,375	23	-	71,011	32,375	23
	6	19,370	7,359	6	-	19,370	7,359	6
	4	10,433	4,535	4	-	10,433	4,535	4
	12	-	-	-	-	9,760	3,970	-
	33,200			188	105	406,286	176,059	188
	12			-	-	9,760	3,970	-
	33,212			188	105	416,046	180,029	188

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

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2019**
 Network / Sub-Network Name

SCHEDULE 8: REPORT ON BILLED QUANTITIES AND LINE CHARGE REVENUES

This schedule requires the billed quantities and associated line charge revenues for each price category code used by the EDB in its pricing schedules. Information is also required on the number of ICPs that are included in each consumer group or price category code, and the energy delivered to these ICPs.

8(ii): Line Charge Revenues (\$000) by Price Component

Line charge revenues (\$000) by price component

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone from posted discounts (if applicable)
LOWHCA	Low Charge	Standard	\$609	-
LOWLCA	Low Charge	Standard	\$3,410	-
LOWUHCA	Low Uncontrolled	Standard	\$8	-
LOWULCA	Low Uncontrolled	Standard	\$13	-
015HCA	015	Standard	\$7,155	-
015LCA	015	Standard	\$15,105	-
015UHCA	015 Uncontrolled	Standard	\$29	-
015ULCA	015 Uncontrolled	Standard	\$35	-
360HCA	360	Standard	\$1,726	-
360LCA	360	Standard	\$2,427	-
360UHCA	360 Uncontrolled	Standard	\$56	-
360ULCA	360 Uncontrolled	Standard	\$40	-
ASSHCA	Assessed	Standard	\$15,672	-
ASSLCA	Assessed	Standard	\$4,387	-
TOU400HCA	TOU 400V	Standard	\$2,107	-
TOU400LCA	TOU 400V	Standard	\$5,483	-
TOU11HCA	TOU 11kV	Standard	\$1,718	-
TOU11LCA	TOU 11kV	Standard	\$975	-
Individual Direct Billed	IND	Non-standard	\$5,038	-
Standard consumer totals			\$60,956	-
Non-standard consumer totals			\$5,038	-
Total for all consumers			\$65,994	-

Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$ per day, \$ per kWh, etc.)
\$458	\$151	
\$2,592	\$819	
\$4	\$4	
\$7	\$6	
\$6,054	\$1,101	
\$12,851	\$2,254	
\$15	\$14	
\$17	\$18	
\$1,524	\$202	
\$1,960	\$468	
\$44	\$13	
\$32	\$8	
\$12,098	\$3,574	
\$3,073	\$1,314	
\$1,457	\$650	
\$3,390	\$2,093	
\$1,118	\$600	
\$574	\$402	
\$3,697	\$1,341	
\$47,266	\$13,690	
\$3,697	\$1,341	
\$50,963	\$15,031	

Price component	Distribution fixed	Distribution variable day	Distribution variable night	Distribution demand	Transmission Fixed	Transmission Variable day	Transmission Variable night	Transmission demand
	\$/annum	\$/MWh	\$/MWh	\$(MWh*annum)	\$/annum	\$/MWh	\$/MWh	\$(MWh*annum)
\$89	\$321	\$48	-	-	\$130	\$20	-	
\$507	\$1,815	\$270	-	-	\$708	\$111	-	
\$1	\$3	\$0	-	-	\$3	\$1	-	
\$2	\$5	\$1	-	-	\$5	\$1	-	
\$2,679	\$2,912	\$462	-	-	\$950	\$151	-	
\$5,092	\$6,696	\$1,069	-	-	\$1,944	\$310	-	
\$14	\$1	\$0	-	\$7	\$6	\$1	-	
\$16	\$0	\$0	-	\$10	\$7	\$1	-	
\$953	\$493	\$78	-	-	\$174	\$28	-	
\$1,001	\$827	\$131	-	-	\$403	\$64	-	
\$27	\$15	\$2	-	\$3	\$8	\$1	-	
\$21	\$9	\$1	-	\$4	\$4	\$1	-	
\$789	\$4,927	\$797	\$5,584	-	\$1,751	\$285	\$1,538	
\$162	\$1,420	\$250	\$1,242	(\$0)	\$672	\$116	\$526	
\$17	\$342	\$63	\$1,035	-	\$150	\$27	\$473	
\$35	\$1,160	\$226	\$1,970	-	\$663	\$129	\$1,301	
\$1	\$545	\$89	\$483	-	\$284	\$46	\$270	
\$1	\$207	\$38	\$328	-	\$141	\$26	\$235	
\$3,697	-	-	-	\$1,341	-	-	-	
\$11,406			\$10,642	\$24	\$8,004	\$1,319	\$4,342	
\$3,697			-	\$1,341	-	-	-	
\$15,103			\$10,642	\$1,366	\$8,004	\$1,319	\$4,342	

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

8(iii): Number of ICPs directly billed

Number of directly billed ICPs at year end

Check

Company Name	Alpine Energy Limited
For Year Ended	31 March 2019
Network / Sub-network Name	

SCHEDULE 9a: ASSET REGISTER

This schedule requires a summary of the quantity of assets that make up the network, by asset category and asset class. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref

sch ref	Voltage	Asset category	Asset class	Units	Items at start of	Items at end of	Net change	Data accuracy
					year (quantity)	year (quantity)		(1-4)
8	All	Overhead Line	Concrete poles / steel structure	No.	24,769	24,783	14	3
9	All	Overhead Line	Wood poles	No.	21,602	20,933	(669)	3
10	All	Overhead Line	Other pole types	No.	329	387	58	3
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	250	249	(1)	3
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	0	0	0	4
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	30	31	1	4
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	-	-	N/A
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	-	-	-	N/A
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	-	-	N/A
17	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	N/A
18	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	N/A
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	N/A
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	N/A
21	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	N/A
22	HV	Zone substation Buildings	Zone substations up to 66kV	No.	20	20	-	4
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	2	2	-	N/A
24	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	N/A
25	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	1	2	1	4
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	6	6	4
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	119	112	(7)	4
28	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	N/A
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	6	7	1	4
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	28	27	(1)	4
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	170	171	1	4
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	7	6	(1)	N/A
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	27	29	2	4
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,909	2,911	2	3
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	-	-	-	N/A
36	HV	Distribution Line	SWER conductor	km	7	7	0	4
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	247	268	22	2
38	HV	Distribution Cable	Distribution UG PILC	km	135	144	9	2
39	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	N/A
40	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	45	47	2	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	-	-	-	N/A
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	7,565	6,859	(706)	2
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	12	13	1	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	386	415	29	3
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	5,346	4,962	(384)	2
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	901	997	96	2
47	HV	Distribution Transformer	Voltage regulators	No.	31	63	32	4
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	-	-	-	N/A
49	LV	LV Line	LV OH Conductor	km	363	362	(1)	3
50	LV	LV Cable	LV UG Cable	km	341	344	3	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	-	-	-	N/A
52	LV	Connections	OH/UG consumer service connections	No.	33,071	33,247	176	4
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	424	443	19	3
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	816	231	(585)	4
55	All	Capacitor Banks	Capacitors including controls	No.	16	20	4	4
56	All	Load Control	Centralised plant	Lot	7	7	-	4
57	All	Load Control	Relays	No.	20,200	20,200	-	2
58	All	Civils	Cable Tunnels	km	0	0	-	2

Company Name	Alpine Energy Limited
For Year Ended	31 March 2019
Network / Sub-network Name	

SCHEDULE 9c: REPORT ON OVERHEAD LINES AND UNDERGROUND CABLES

This schedule requires a summary of the key characteristics of the overhead line and underground cable network. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref

9			
10	Circuit length by operating voltage (at year end)	Overhead (km)	Underground (km)
11	> 66kV	0	0
12	50kV & 66kV		
13	33kV	249	31
14	SWER (all SWER voltages)		7
15	22kV (other than SWER)	146	7
16	6.6kV to 11kV (inclusive—other than SWER)	2,766	405
17	Low voltage (< 1kV)	362	344
18	Total circuit length (for supply)	3,522	795
19			
20	Dedicated street lighting circuit length (km)		
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		
22			
23	Overhead circuit length by terrain (at year end)	Circuit length (km)	(% of total overhead length)
24	Urban	309	9%
25	Rural	3,117	89%
26	Remote only	—	—
27	Rugged only	96	3%
28	Remote and rugged	—	—
29	Unallocated overhead lines	—	—
30	Total overhead length	3,522	100%
31			
32		Circuit length (km)	(% of total circuit length)
33	Length of circuit within 10km of coastline or geothermal areas (where known)	1,756	41%
34		Circuit length (km)	(% of total overhead length)
35	Overhead circuit requiring vegetation management	528	15%

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 2019**

SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS

This schedule requires information concerning embedded networks owned by an EDB that are embedded in another EDB's network or in another embedded network.

sch ref

	Location *	Number of ICPs served	Line charge revenue (\$000)
8			
9	None	-	-
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

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

Company Name	Alpine Energy Limited
For Year Ended	31 March 2019
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		Number of	
11	<i>Consumer types defined by EDB*</i>	connections (ICPs)	
	Low Charge	22	
	Low Uncontrolled	-	
	015	247	
	015 Uncontrolled	1	
	360	14	
	360 Uncontrolled	-	
12	Assessed	25	
13	TOU 400V	-	
14	TOU 11kV	-	
15	IND	-	
16	* include additional rows if needed		
17	Connections total	309	
18			
19	Distributed generation		
20	Number of connections made in year	52	connections
21	Capacity of distributed generation installed in year	0.36	MVA
22	9e(ii): System Demand		
23			
24		Demand at time	
		of maximum	
		coincident	
		demand (MW)	
25	Maximum coincident system demand		
26	GXP demand	138	
27	plus Distributed generation output at HV and above	2	
28	Maximum coincident system demand	140	
29	less Net transfers to (from) other EDBs at HV and above	-	
30	Demand on system for supply to consumers' connection points	140	
31	Electricity volumes carried	Energy (GWh)	
32	Electricity supplied from GXPs	805	
33	less Electricity exports to GXPs	16	
34	plus Electricity supplied from distributed generation	29	
35	less Net electricity supplied to (from) other EDBs	-	
36	Electricity entering system for supply to consumers' connection points	817	
37	less Total energy delivered to ICPs	809	
38	Electricity losses (loss ratio)	8	1.0%
39			
40	Load factor	0.67	
41	9e(iii): Transformer Capacity		
42		(MVA)	
43	Distribution transformer capacity (EDB owned)	605	
44	Distribution transformer capacity (Non-EDB owned, estimated)	20	
45	Total distribution transformer capacity	625	
46			
47	Zone substation transformer capacity	377	

Company Name	Alpine Energy Limited
For Year Ended	31 March 2019
Network / Sub-network Name	

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

sch ref

8 **10(i): Interruptions**

9 **Interruptions by class**

	Number of interruptions
10 Class A (planned interruptions by Transpower)	-
11 Class B (planned interruptions on the network)	272
12 Class C (unplanned interruptions on the network)	232
13 Class D (unplanned interruptions by Transpower)	3
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	507

21 **Interruption restoration**

	≤3Hrs	>3hrs
22 Class C interruptions restored within	172	60

24 **SAIFI and SAIDI by class**

	SAIFI	SAIDI
25 Class A (planned interruptions by Transpower)	-	-
26 Class B (planned interruptions on the network)	0.2177	60.09
27 Class C (unplanned interruptions on the network)	0.8976	116.44
28 Class D (unplanned interruptions by Transpower)	0.1746	27.55
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	1.2898	204.08

36 **Normalised SAIFI and SAIDI**

	Normalised SAIFI	Normalised SAIDI
37 Classes B & C (interruptions on the network)	0.9900	136.77

Company Name **Alpine Energy Limited**

For Year Ended **31 March 2019**

Network / Sub-network Name

SCHEDULE 10: REPORT ON NETWORK RELIABILITY

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

10(ii): Class C Interruptions and Duration by Cause

Cause	SAIFI	SAIDI
Lightning	0.0010	0.09
Vegetation	0.0415	4.59
Adverse weather	0.1406	19.24
Adverse environment	0.0036	1.16
Third party interference	0.1533	22.93
Wildlife	0.2036	14.66
Human error	-	-
Defective equipment	0.2585	35.81
Cause unknown	0.0888	8.25

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.0327	0.71
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	0.1564	52.33
Distribution cables (excluding LV)	0.0142	2.72
Distribution other (excluding LV)	0.0159	4.32

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.2907	37.27
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	0.4294	53.14
Distribution cables (excluding LV)	0.1380	20.66
Distribution other (excluding LV)	0.0458	5.36

10(v): Fault Rate

Main equipment involved	Circuit length (km)		Fault rate (faults per 100km)
	Number of Faults		
Subtransmission lines	13	249	5.23
Subtransmission cables	-	31	-
Subtransmission other	-	-	-
Distribution lines (excluding LV)	170	2,919	5.82
Distribution cables (excluding LV)	5	413	1.21
Distribution other (excluding LV)	44	-	-
Total	232		