



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

Company Name	Alpine Energy Limited
Disclosure Date	31 August 2019
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

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

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

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)

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	12,793	19.39%
Total revaluations	2,962	4.49%
Regulatory tax allowance	5,403	8.19%
Regulatory profit/(loss) including financial incentives and wash-ups	16,245	24.62%
Total regulatory income	65,994	

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

	CY-2	CY-1	Current Year CY
	31 Mar 17	31 Mar 18	31 Mar 19
	%	%	%
2(i): Return on Investment			
ROI – comparable to a post tax WACC			
Reflecting all revenue earned	7.12%	5.61%	7.85%
Excluding revenue earned from financial incentives	7.12%	5.64%	7.79%
Excluding revenue earned from financial incentives and wash-ups	4.57%	3.18%	5.31%
Mid-point estimate of post tax WACC	4.77%	5.04%	4.75%
25th percentile estimate	4.05%	4.36%	4.07%
75th percentile estimate	5.48%	5.72%	5.43%
ROI – comparable to a vanilla WACC			
Reflecting all revenue earned	7.66%	6.20%	8.36%
Excluding revenue earned from financial incentives	7.66%	6.23%	8.30%
Excluding revenue earned from financial incentives and wash-ups	5.11%	3.77%	5.82%
WACC rate used to set regulatory price path	7.19%	7.19%	7.19%
Mid-point estimate of vanilla WACC	5.31%	5.60%	5.26%
25th percentile estimate	4.59%	4.92%	4.58%
75th percentile estimate	6.03%	6.29%	5.94%
2(ii): Information Supporting the ROI			
			(\$000)
Total opening RAB value	199,621		
plus Opening deferred tax	(6,546)		
Opening RIV		193,075	
Line charge revenue		65,994	
Expenses cash outflow	34,515		
add Assets commissioned	17,962		
less Asset disposals	–		
add Tax payments	3,478		
less Other regulated income	–		
Mid-year net cash outflows		55,955	
Term credit spread differential allowance		–	
Total closing RAB value	201,495		
less Adjustment resulting from asset allocation	(6,257)		
less Lost and found assets adjustment	–		
plus Closing deferred tax	(8,471)		
Closing RIV		199,280	
ROI – comparable to a vanilla WACC			8.36%
Leverage (%)			42%
Cost of debt assumption (%)			4.33%
Corporate tax rate (%)			28%
ROI – comparable to a post tax WACC			7.85%



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

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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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 4.72%

Year-end ROI – comparable to a post tax WACC 4.21%

** 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 2.47%

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)
7	3(i): Regulatory Profit	
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	12,793
22		
23	plus Total revaluations	2,962
24		
25	Regulatory profit / (loss) before tax	21,648
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	5,403
30		
31	Regulatory profit/(loss) including financial incentives and wash-ups	16,245
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).
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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			
		Previous years' incremental change	Previous years' incremental change adjusted for inflation
56			
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		
70			(\$000)
66	Merger and acquisition expenditure		N/A
67			
68	<i>Provide commentary on the benefits of merger and acquisition expenditure to the electricity distribution business, including required disclosures in accordance with section 2.7, in Schedule 14 (Mandatory Explanatory Notes)</i>		
69	3(v): Other Disclosures		
70			(\$000)
71	Self-insurance allowance		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)

	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	156,778	166,321	166,972	178,990	199,621
less: Total depreciation	9,885	9,916	10,242	12,244	12,793
plus: Total revaluations	131	963	3,611	1,969	2,962
plus: Assets commissioned	18,705	11,857	18,955	30,306	17,962
less: Asset disposals	225	87	306	-	-
plus: Lost and found assets adjustment	817	(2,166)	-	-	-
plus: Adjustment resulting from asset allocation	-	-	-	-	(6,257)
Total closing RAB value	166,321	166,972	178,990	199,621	201,495

4(ii): Unallocated Regulatory Asset Base

	Unallocated RAB + (\$000)	RAB (\$000)
Total opening RAB value	199,621	199,621
less: Total depreciation	12,793	12,793
plus: Total revaluations	2,962	2,962
plus: Assets commissioned (other than below)	2,579	2,579
less: Assets acquired from a regulated supplier	-	-
Assets acquired from a related party	15,382	15,382
Assets commissioned	17,962	17,962
less: Asset disposals (other than below)	-	-
Asset disposals to a regulated supplier	NA	NA
Asset disposals to a related party	NA	NA
Asset disposals	-	-
plus: Lost and found assets adjustment	-	-
plus: Adjustment resulting from asset allocation	-	(6,257)
Total closing RAB value	207,751	201,495

* 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.

51	sch ref								
52									
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74									
75									

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

CPI _t	1.026
CPI _{t-4}	1.011
Revaluation rate (%)	1.48%
Total opening RAB value	
Opening value of fully depreciated, disposed and lost assets	
less	
Total opening RAB value subject to revaluation	
Total revaluations	

Unallocated RAB * (\$'000)	199,621	Unallocated RAB (\$'000)	199,621
	—	RAB (\$'000)	199,621
	199,621		—
	2,962		2,962

Unallocated works under construction	4,258	Allocated works under construction	4,258
Capital expenditure	14,499		14,499
Assets commissioned	17,962		17,962
Adjustment resulting from asset allocation	—		—
Works under construction - current disclosure year	796		796
Highest rate of capitalised finance applied	—		—

4(iv): Roll Forward of Works Under Construction

Works under construction—preceding disclosure year	
plus	
Capital expenditure	
less	
Assets commissioned	
plus	
Adjustment resulting from asset allocation	
Works under construction - current disclosure year	
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. ED&Bs 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

76	Depreciation - standard	10,365	10,365
77	Depreciation - no standard life assets	2,428	2,428
78	Depreciation - modified life assets	-	-
79	Depreciation - alternative depreciation in accordance with CPP	-	-
80	Total depreciation	12,793	12,793

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 under 'non-standard' depreciation	Closing RAB value under 'standard' depreciation
	Not Applicable	Distribution and LV lines	Distribution and LV cables	Distribution and transformers		
86	None				Not Applicable	Not Applicable
87						
88						
89						
90						
91						
92						
93						
94						
95						

* include additional rows if needed

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 and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
96	Total opening RAB value	12,944	3,117	41,562	35,532	47,357	21,245	10,809	5,994	21,062
97	less Total depreciation	496	192	2,212	3,285	1,632	1,868	287	394	2,428
98	plus Total revaluations	192	46	617	527	703	315	160	89	313
99	plus Assets commissioned	836	0	9,374	2,514	1,943	0	1,485	1,102	708
100	less Asset disposals									
101	plus Lost and found assets adjustment									
102	plus Adjustment resulting from asset allocation									
103	plus Asset category transfers									
104	Total closing RAB value	13,476	4,653	50,407	35,288	48,371	16,945	12,166	6,791	13,398
105	Asset Life									
106	Weighted average remaining asset life	34.8	44.0	34.5	32.6	39.5	28.3	35.8	25.5	28.2
107	Weighted average expected total asset life	51.0	45.0	43.0	53.1	55.3	45.0	42.6	34.3	30.6



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 10

sch ref

		(\$000)	
7	5a(i): Regulatory Tax Allowance		
8	Regulatory profit / (loss) before tax		21,648
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	54	*
12	Amortisation of initial differences in asset values	2,756	
13	Amortisation of revaluations	2,158	
14			4,968
15			
16	less Total revaluations	2,962	
17	Income included in regulatory profit / (loss) before tax but not taxable	920	*
18	Discretionary discounts and customer rebates	-	
19	Expenditure or loss deductible but not in regulatory profit / (loss) before tax	-	*
20	Notional deductible interest	3,438	
21			7,319
22			
23	Regulatory taxable income		19,297
24			
25	less Utilised tax losses	-	
26	Regulatory net taxable income		19,297
27			
28	Corporate tax rate (%)	28%	
29	Regulatory tax allowance		5,403

* 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	44,099	
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		41,343
41			
42	Opening weighted average remaining useful life of relevant assets (years)		16

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 130.

sch ref

44	5a(iv): Amortisation of Revaluations		(\$000)
45			
46	Opening sum of RAB values without revaluations	170,446	
47			
48	Adjusted depreciation	10,635	
49	Total depreciation	12,793	
50	Amortisation of revaluations		2,158
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	(6,546)	
61			
62	plus Tax effect of adjusted depreciation	2,978	
63			
64	less Tax effect of tax depreciation	4,139	
65			
66	plus Tax effect of other temporary differences*	8	
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		(8,471)
77			
78	5a(vii): Disclosure of Temporary Differences		
79	<i>In Schedule 14, Box 6, provide descriptions and workings of items recorded in the asterisked category in Schedule 5a(vi) (Tax effect of other temporary differences).</i>		
80			
81	5a(viii): Regulatory Tax Asset Base Roll-Forward		
82			(\$000)
83	Opening sum of regulatory tax asset values	122,940	
84	less Tax depreciation	14,783	
85	plus Regulatory tax asset value of assets commissioned	17,962	
86	less Regulatory tax asset value of asset disposals	-	
87	plus Lost and found assets adjustment	-	
88	plus Adjustment resulting from asset allocation	(6,257)	
89	plus Other adjustments to the RAB tax value	-	
90	Closing sum of regulatory tax asset values		119,862

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.

Company Name
Alpine Energy Limited
For Year Ended
31 March 2019

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

5d(ii): Other Cost Allocations

Pass through and recoverable costs

Pass through costs

Directly attributable	351
Not directly attributable	-

Total attributable to regulated service

	351
--	-----

Recoverable costs

Directly attributable	15,869
Not directly attributable	-

Total attributable to regulated service

	15,869
--	--------

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

Change in cost allocation 1

Cost category	
Original allocator or line items	
New allocator or line items	

(\$'000)

	CY-1	Current Year (CY)
Business Support	7,295	7,614
Directly Attributable	6,436	6,717
Revenue	859	897

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.

Change in cost allocation 2

Cost category	
Original allocator or line items	
New allocator or line items	

(\$'000)

	CY-1	Current Year (CY)
Original allocation	-	-
New allocation	-	-
Difference	-	-

Not Applicable

Change in cost allocation 3

Cost category	
Original allocator or line items	
New allocator or line items	

(\$'000)

	CY-1	Current Year (CY)
Original allocation	-	-
New allocation	-	-
Difference	-	-

Not Applicable

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

Company Name **Alpine Energy Limited**
 For Year Ended **31 March 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	13,476
Not directly attributable	-
Total attributable to regulated service	13,476
Subtransmission cables	
Directly attributable	4,653
Not directly attributable	-
Total attributable to regulated service	4,653
Zone substations	
Directly attributable	50,407
Not directly attributable	-
Total attributable to regulated service	50,407
Distribution and LV lines	
Directly attributable	35,288
Not directly attributable	-
Total attributable to regulated service	35,288
Distribution and LV cables	
Directly attributable	48,371
Not directly attributable	-
Total attributable to regulated service	48,371
Distribution substations and transformers	
Directly attributable	16,945
Not directly attributable	-
Total attributable to regulated service	16,945
Distribution switchgear	
Directly attributable	12,166
Not directly attributable	-
Total attributable to regulated service	12,166
Other network assets	
Directly attributable	6,791
Not directly attributable	-
Total attributable to regulated service	6,791
Non-network assets	
Directly attributable	7,943
Not directly attributable	5,455
Total attributable to regulated service	13,398
Regulated service asset value directly attributable	196,040
Regulated service asset value not directly attributable	5,455
Total closing RAB value	201,495

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

		(\$000)	
		CY-1	Current Year (CY)
Change in asset value allocation 1			
Asset category	Business Support	11,926	11,712
Original allocator or line items	Directly Attributable	5,556	5,455
New allocator or line items	Revenue	6,370	6,257
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 allocator or line items	Not Applicable	-	-
New allocator or line items	Not Applicable	-	-
Rationale for change	Not Applicable		
Change in asset value allocation 3			
Asset category	Not Applicable	-	-
Original allocator or line items	Not Applicable	-	-
New allocator or line items	Not Applicable	-	-
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

	(\$000)	(\$000)
6a(i): Expenditure on Assets		
Consumer connection		4,239
System growth		1,625
Asset replacement and renewal		7,450
Asset relocations		3,171
Reliability, safety and environment:		
Quality of supply	147	
Legislative and regulatory	-	
Other reliability, safety and environment	1,221	
Total reliability, safety and environment		1,368
Expenditure on network assets		17,853
Expenditure on non-network assets		633
Expenditure on assets		18,486
plus Cost of financing		-
less Value of capital contributions		3,987
plus Value of vested assets		-
Capital expenditure		14,499
6a(ii): Subcomponents of Expenditure on Assets (where known)		(\$000)
Energy efficiency and demand side management, reduction of energy losses		-
Overhead to underground conversion		3,171
Research and development		-
6a(iii): Consumer Connection		
<i>Consumer types defined by EDB*</i>	(\$000)	(\$000)
Commercial	2	
Subdivision	1,770	
HV Alternations	263	
Irrigation	1,044	
LV Alterations	149	
Residential	1,012	
<i>* include additional rows if needed</i>		
Consumer connection expenditure		4,239
less Capital contributions funding consumer connection expenditure	3,755	
Consumer connection less capital contributions		484
6a(iv): System Growth and Asset Replacement and Renewal		
	System Growth (\$000)	Asset Replacement and Renewal (\$000)
Subtransmission	19	332
Zone substations	1,316	1,498
Distribution and LV lines	58	3,909
Distribution and LV cables	127	222
Distribution substations and transformers	11	827
Distribution switchgear	93	624
Other network assets	-	38
System growth and asset replacement and renewal expenditure	1,625	7,450
less Capital contributions funding system growth and asset replacement and renewal	77	122
System growth and asset replacement and renewal less capital contributions	1,549	7,328
6a(v): Asset Relocations		
<i>Project or programme*</i>	(\$000)	(\$000)
O/H to Underground Relocations	3,171	
<i>* include additional rows if needed</i>		
All other projects or programmes - asset relocations	-	
Asset relocations expenditure		3,171
less Capital contributions funding asset relocations	-	
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	<i>Project or programme*</i>		(\$000)	(\$000)
71	Reclosers		147	
72				
73				
74				
75				
76	<i>* include additional rows if needed</i>			
77	All other projects programmes - quality of supply		-	
78	Quality of supply expenditure			147
79	less Capital contributions funding quality of supply		-	
80	Quality of supply less capital contributions			147
81	6a(vii): Legislative and Regulatory			
82	<i>Project or programme*</i>		(\$000)	(\$000)
83	None		-	
84				
85				
86				
87				
88	<i>* include additional rows if needed</i>			
89	All other projects or programmes - legislative and regulatory		-	
90	Legislative and regulatory expenditure			-
91	less Capital contributions funding legislative and regulatory		-	
92	Legislative and regulatory less capital contributions			-
93	6a(viii): Other Reliability, Safety and Environment			
94	<i>Project or programme*</i>		(\$000)	(\$000)
95	Reclosers		500	
96	Automation		255	
97	Abloy Locks		139	
98	Communications		327	
99				
100	<i>* include additional rows if needed</i>			
101	All other projects or programmes - other reliability, safety and environment		-	
102	Other reliability, safety and environment expenditure			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	<i>Project or programme*</i>		(\$000)	(\$000)
109	Land and Building		302	
110	Plant and Equipment		143	
111	Software and IT		185	
112	Vehicles		3	
113				
114	<i>* include additional rows if needed</i>			
115	All other projects or programmes - routine expenditure		-	
116	Routine expenditure			633
117	Atypical expenditure			
118	<i>Project or programme*</i>		(\$000)	(\$000)
119	None		-	
120				
121				
122				
123				
124	<i>* include additional rows if needed</i>			
125	All other projects or programmes - atypical expenditure		-	
126	Atypical expenditure			-
127				
128	Expenditure on non-network assets			633



Company Name
For Year Ended

Alpine Energy Limited
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

6b(i): Operational Expenditure

7			
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	

Network opex

12			5,477
13	System operations and network support	5,205	
14	Business support	7,614	

Non-network opex

15			12,819
16			
17	Operational expenditure		18,296

6b(ii): Subcomponents of Operational Expenditure (where known)

18			
19	Energy efficiency and demand side management, reduction of energy losses		4
20	Direct billing*	N/A	
21	Research and development		-
22	Insurance		264

* 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	7(i): Revenue	Target (\$000) ¹	Actual (\$000)	% variance
8	Line charge revenue	69,703	65,994	(5%)

9	7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
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%

22	7(iii): Operational Expenditure			
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%

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	620	3,171	411%
35	Research and development	–	–	–

37	7(v): Subcomponents of Operational Expenditure (where known)			
38	Energy efficiency and demand side management, reduction of energy losses	–	4	–
39	Direct billing	–	N/A	–
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.

sets of

8(i): Billed Quantities by Price Component

	Consumer group name or price category code	Consumer type or type (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						Add extra rows for additional consumer groups or price category codes as necessary			
						Distribution Fined	Distribution Variable Day	Distribution Variable Night	Distribution Demand	Transmission Fined	Transmission Variable Day	Transmission Variable Night	Transmission Demand		
						Number of ICPs	MWh	MWh	MW	Number of ICPs	MWh	MWh	MW		
15	LOWHCA	Low Charge	Standard	1,685	10,097		7,068	3,029			7,068	3,029			
16	LOWLCA	Low Charge	Standard	9,464	51,961		37,773	16,188			37,773	16,188			
17	LOWUJCA	Low Uncontrolled	Standard	16	95		66	28			66	28			
18	LOWULCA	Low Uncontrolled	Standard	30	155		108	46			108	46			
19	O15HCA	O15	Standard	6,120	56,089		39,263	16,827			39,263	16,827			
20	O15LCA	O15	Standard	12,707	111,078		77,754	33,323			77,754	33,323			
21	O15UHCA	O15 Uncontrolled	Standard	37	339		238	102			238	102			
22	O15ULCA	O15 Uncontrolled	Standard	44	368		258	110			258	110			
23	360HCA	360	Standard	515	10,719		7,504	3,216			7,504	3,216			
24	360LCA	360	Standard	733	21,971		15,380	6,591			15,380	6,591			
25	360UHCA	360 Uncontrolled	Standard	14	630		441	189			441	189			
26	360ULCA	360 Uncontrolled	Standard	15	355		249	107			249	107			
27	ASSHCA	Assessed	Standard	1,286	108,989		76,132	32,857	110		76,132	32,857	110		
28	ASSLCA	Assessed	Standard	893	37,958		26,186	11,771	37		26,186	11,771	37		
29	TOU400HCA	TOU 400V	Standard	39	24,459		17,053	7,405	9		17,053	7,405	9		
30	TOU400LCA	TOU 400V	Standard	102	103,386		71,011	32,375	23		71,011	32,375	23		
31	TOU11HCA	TOU 11kV	Standard	6	26,728		19,370	7,359	6		19,370	7,359	6		
32	TOU11LCA	TOU 11kV	Standard	4	14,968		10,433	4,535	4		10,433	4,535	4		
33	Individual Direct Billed	IND	Non-standard	12	2,262,231										
34															
35															
36															
37															
38															
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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 EDN in its pricing schedules. Information is also required on the number of ICs that are included in each consumer group or price category code, and the energy delivered to these ICs.

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

Consumer group name or price category code	Consumer type or uses (eg residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	National revenue for revenue from nested discounts (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$ per day, \$ per kWh, etc)	Line charge revenues (\$000) by price component							Add extra columns for additional line charge revenues by price component as necessary		
								Distribution fixed \$/annum	Distribution variable day \$/MWh	Distribution variable night \$/MWh	Distribution demand \$(/MWh*annum)	Transmission fixed \$/annum	Transmission variable day \$/MWh	Transmission variable night \$/MWh		Transmission demand \$(/MWh*annum)	
LOWHCA	Low Charge	Standard	\$609	—	\$492	\$151	—	\$89	\$231	\$48	—	—	\$130	—	—	—	—
LOWHCA	Low Charge	Standard	\$3,410	—	\$2,692	\$819	—	\$507	\$1,215	\$270	—	—	\$708	\$111	—	—	
LOWHCA	Low Uncontrolled	Standard	\$8	—	\$4	\$4	—	\$1	\$3	\$0	—	—	\$3	\$1	—	—	
LOWHCA	Low Uncontrolled	Standard	\$8	—	\$4	\$4	—	\$2	\$5	\$1	—	—	\$5	\$1	—	—	
OTSHCA	OT15	Standard	\$2,135	—	\$6,054	\$1,101	—	\$2,679	\$2,312	\$462	—	—	\$990	\$151	—	—	
OTSHCA	OT15	Standard	\$15,105	—	\$12,851	\$2,254	—	\$5,092	\$6,096	\$1,063	—	—	\$1,984	\$10	—	—	
OTSHCA	OT15 Uncontrolled	Standard	\$29	—	\$15	\$14	—	\$14	\$1	\$0	—	—	\$7	\$6	—	—	
OTSHCA	OT15 Uncontrolled	Standard	\$35	—	\$17	\$18	—	\$953	\$493	\$78	—	—	\$10	\$7	—	—	
IBGHCA	300	Standard	\$1,276	—	\$1,294	\$202	—	\$1,001	\$827	\$131	—	—	\$403	\$174	—	—	
IBGHCA	300	Standard	\$2,427	—	\$1,960	\$468	—	\$77	\$15	\$3	—	—	\$8	\$64	—	—	
IBGHCA	300 Uncontrolled	Standard	\$56	—	\$44	\$13	—	\$21	\$9	\$1	—	—	\$4	\$1	—	—	
IBGHCA	300 Uncontrolled	Standard	\$40	—	\$32	\$8	—	\$789	\$4,927	\$797	—	—	\$1,751	\$985	—	—	
IBGHCA	Assess	Standard	\$15,672	—	\$12,098	\$3,574	—	\$182	\$4,420	\$250	—	—	\$672	\$516	—	—	
IBGHCA	Assess	Standard	\$4,387	—	\$3,073	\$1,314	—	\$162	\$1,242	\$242	—	—	\$50	\$27	—	—	
IBGHCA	Assess	Standard	\$2,107	—	\$1,457	\$650	—	\$17	\$82	\$63	—	—	\$150	\$129	—	—	
TDDBHCA	TDU400V	Standard	\$5,483	—	\$3,390	\$2,093	—	\$35	\$1,160	\$226	—	—	\$663	\$129	—	—	
TDDBHCA	TDU400V	Standard	\$1,718	—	\$1,118	\$600	—	\$1	\$545	\$89	—	—	\$284	\$46	—	—	
TDDBHCA	TDU11kV	Standard	\$975	—	\$574	\$402	—	\$1	\$207	\$38	—	—	\$141	\$26	—	—	
TDDBHCA	TDU11kV	Standard	\$5,038	—	\$3,697	\$1,341	—	\$3,697	—	—	—	—	\$1,341	—	—	—	
Individual Direct Billed	IBD	Non-standard	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
Standard consumer totals			\$60,956	—	\$47,266	\$13,690	—	\$11,406	\$10,642	\$24	—	—	\$8,004	\$1,319	—	—	
Non-standard consumer totals			\$5,038	—	\$3,697	\$1,341	—	\$3,697	—	—	—	—	\$1,341	—	—	—	
Total for all consumers			\$66,994	—	\$50,963	\$15,031	—	\$15,103	\$10,642	\$1,366	—	—	\$8,004	\$1,319	—	—	

8(iii): Number of ICs directly billed
 Number of directly billed ICs at year end

Check OK

12

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	Data accuracy	
					year (quantity)	year (quantity)	Net change	(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	17	(3)	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

9e(i): Consumer Connections

Number of ICPs connected in year by consumer type

Consumer types defined by EDB*

Consumer types defined by EDB*	Number of connections (ICPs)
Low Charge	22
Low Uncontrolled	-
015	247
015 Uncontrolled	1
360	14
360 Uncontrolled	-
Assessed	25
TOU 400V	-
TOU 11kV	-
IND	-

* include additional rows if needed

Connections total **309**

Distributed generation

Number of connections made in year	52	connections
Capacity of distributed generation installed in year	0.36	MVA

9e(ii): System Demand

Maximum coincident system demand

	Demand at time of maximum coincident demand (MW)
GXP demand	138
plus Distributed generation output at HV and above	2
Maximum coincident system demand	140
less Net transfers to (from) other EDBs at HV and above	-
Demand on system for supply to consumers' connection points	140

Electricity volumes carried

	Energy (GWh)	
Electricity supplied from GXPs	805	
less Electricity exports to GXPs	16	
plus Electricity supplied from distributed generation	29	
less Net electricity supplied to (from) other EDBs	-	
Electricity entering system for supply to consumers' connection points	817	
less Total energy delivered to ICPs	809	
Electricity losses (loss ratio)	8	1.0%

Load factor **0.67**

9e(iii): Transformer Capacity

	(MVA)
Distribution transformer capacity (EDB owned)	605
Distribution transformer capacity (Non-EDB owned, estimated)	20
Total distribution transformer capacity	625
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)	0.22	60.1
27 Class C (unplanned interruptions on the network)	0.90	116.4
28 Class D (unplanned interruptions by Transpower)	0.17	27.5
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	1.29	204.1

36 **Normalised SAIFI and SAIDI**

	Normalised SAIFI	Normalised SAIDI
37 Classes B & C (interruptions on the network)	0.99	136.8

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

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Cause	SAIFI	SAIDI
Lightning	0.00	0.1
Vegetation	0.04	4.6
Adverse weather	0.14	19.2
Adverse environment	0.00	1.2
Third party interference	0.15	22.9
Wildlife	0.20	14.7
Human error	–	–
Defective equipment	0.26	35.8
Cause unknown	0.09	8.2

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

52
53
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55
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57
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59
60

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.03	0.4
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	0.16	26.2
Distribution cables (excluding LV)	0.01	1.4
Distribution other (excluding LV)	0.02	2.1

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

61
62
63
64
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69

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.29	33.9
Subtransmission cables	–	–
Subtransmission other	–	–
Distribution lines (excluding LV)	0.43	49.1
Distribution cables (excluding LV)	0.14	18.8
Distribution other (excluding LV)	0.05	4.9

10(v): Fault Rate

70
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75
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78

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
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		

Company Name	<u>Alpine Energy</u>
For Year Ended	<u>31 March 2019</u>

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

Our 2019 ROI-comparable to a post-tax WACC is 7.85%, an increase from 5.61% last year. Our resulting ROI is 0.66% above the WACC rate used to set regulatory price path of 7.19%.

The result is as expected given that we have had an asset allocation adjustment in the value of the RAB for related party use of \$6,257k. The average WACC for the past 3 years is below 7.19%

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 2019 is \$66m which is an increase of \$6m 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 \$200M to \$201M during the disclosure year.

For 2019 we had less assets commissioned than we had in 2018 (\$18M in 2019 compared to \$31M in 2018).

Major projects for the year included:

- The replacement (procurement and installation) of the Balmoral substation.
- The replacement and renewal of the Waihaorunga to Elephant Hill overhead line.
- Makhikihi to Jacksons Bush line refurbishment.

There were no regulatory disposals during the year.

Items have been reclassified in accordance with subclause 2.7.1(2).

Alpine reviewed the categorisation of RAB assets into Information Disclosure headings as part of a change to a new asset management system. This review has highlighted a small number of assets which required re-categorisation within the RAB. The reclassification of these assets has been disclosed within the asset category transfers in line 106 of schedule 4, and has no impact on the closing RAB value.

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 \$35,511
 - Non- deductible Entertainment \$18,927
- Income included in regulatory profit / (loss) before tax but not taxable:
 - Revaluation of Investment Property – Land Portion (\$920k)

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 2019 temporary differences comprise:
 - Employee entitlements \$194,759
 - ACC \$6,666
 - Sponsorship \$8,416
- Opening 2018 temporary differences comprise:
 - Employee entitlements \$208,506
 - ACC \$4,700
 - Sponsorship \$4,653

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 first year that Alpine applied cost allocations to their operating expenditure.

A proxy allocator was used based on the percentage revenue attributed to non-regulated businesses to regulated income. The value of costs totalling \$897K (11.78%) was allocated to non-electricity distribution services.

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 first year that Alpine has applied asset allocations to the regulatory asset base.

A proxy allocator was used based on a head count of staff utilising regulatory Land and Buildings in South Canterbury. The value amounted to \$6,257K which was attributed to non-electricity distribution services.

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 \$14.5M compared to \$27.4M during 2018.

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 2019 is \$18.3M, compared to the OPEX spend in 2018 of \$17.2M.

- **service interruptions and emergencies \$2.3M**
- **vegetation management \$562k**
- **routine and corrective maintenance and inspection \$2.5M**
- **asset replacement and renewal \$93k**
- **non-network \$12.8M**

No items have been reclassified this period.

2019 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 \$66M was \$3.7M (or 5%) less than our target revenue of \$69.7M. This result was predominately due to a wetter than average summer with reduced irrigation pumping load resulting in decreased energy usage.

Capital Expenditure

The forecast values reported in Schedule 7 are based on the Forecast at constant prices in Schedule 11 to 13 for 2018-2028.

Figure 1: Variance between the forecast CAPEX and actual CAPEX

7(ii): Expenditure on Assets	Forecast (\$000) ²	Actual (\$000)	% variance
Consumer connection	2,040	4,239	108%
System growth	2,414	1,625	(33%)
Asset replacement and renewal	8,629	7,450	(14%)
Asset relocations	632	3,171	402%
Reliability, safety and environment:			
Quality of supply	995	147	(85%)
Legislative and regulatory	–	–	–
Other reliability, safety and environment	597	1,221	105%
Total reliability, safety and environment	1,592	1,368	(14%)
Expenditure on network assets	15,307	17,853	17%
Expenditure on non-network assets	1,615	633	(61%)
Expenditure on assets	16,922	18,486	9%

The variance for Expenditure on network assets is 17% or \$2,546K and the variance on Expenditure on non-network assets is 61% or (\$982k). This was due to increased Labour and Sub-contractor costs for network assets operational expenditure.

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	Forecast (\$000)	Actual (\$000)	% variance
Service interruptions and emergencies	1,436	2,340	63%
Vegetation management	610	562	(8%)
Routine and corrective maintenance and inspection	3,165	2,482	(22%)
Asset replacement and renewal	307	93	(70%)
Network opex	5,518	5,477	(1%)
System operations and network support	4,129	5,205	26%
Business support	7,810	7,614	(3%)
Non-network opex	11,939	12,819	7%
Operational expenditure	17,457	18,296	5%

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 5% below budget due to weather and irrigation consumption being less than expected.

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 SAIDI performance (class B + class C) was 204.1 SAIDI minutes (and 176.5 after normalisation), which exceeded the target of 154.2 SAIDI minutes by 22.3 SAIDI minutes.

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.

Our SAIFI performance (class B + class C) was 1.29 SAIFI interruptions with 0.17 change after normalisation, interruptions were on target to the SAIFI limit.

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 insure our vehicles and buildings (including substations) and have public liability insurance. We do not insure our network, for example poles and lines as the premiums are prohibitive and do not self-insure.

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 18/19 Disclosure year.

The published IDs can be found at <http://www.alpineenergy.co.nz/disclosures>

Company Name Alpine Energy
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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 2% per annum, on a straight-line basis, to derive the 10-year forecast. 2% 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 2% 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 2% 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 2% per year.

Company Name Alpine Energy
For Year Ended 31 march 2019

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

During 2017, Technology One was implemented during 2017, over the past 2 year's staff have continued to cleanse the data used to derive schedules 9a and 9b. Accordingly, the figures for schedule 9a *are now a lot more accurate than we reported* in 2017.

We have a significantly higher level of confidence in the figures reported in 2018 than we have had at previous reported years.

For this reason, the significant net change for some asset classes is within our expectations and it is due to the change of quality of information rather than the physical change of assets.