



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

<b>Company Name</b>	Alpine Energy Ltd
<b>Disclosure Date</b>	30 November 2023
<b>Disclosure Year (year ended)</b>	31 March 2015

Templates for Schedules 1–10 excluding 5f–5g  
Template Version 4.1. Prepared 24 March 2015

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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 24 March 2015). 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 Ltd
For Year Ended	31 March 2015

**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	<b>1(i): Expenditure metrics</b>				
8					
9		<b>Expenditure per GWh energy delivered to ICPs (\$/GWh)</b>	<b>Expenditure per average no. of ICPs (\$/ICP)</b>	<b>Expenditure per MW maximum coincident system demand (\$/MW)</b>	<b>Expenditure per MVA of capacity from EDB-owned distribution transformers (\$/MVA)</b>
10	Operational expenditure	17,791	436	105,248	3,307
11	Network	5,485	135	32,447	1,019
12	Non-network	12,306	302	72,801	2,287
13	Expenditure on assets	22,501	552	133,111	4,182
14	Network	20,274	497	119,936	3,768
15	Non-network	2,227	55	13,175	414
16					
17	<b>1(ii): Revenue metrics</b>				
18					
19		<b>Revenue per GWh energy delivered to ICPs (\$/GWh)</b>	<b>Revenue per average no. of ICPs (\$/ICP)</b>		
20	Total consumer line charge revenue	65,817	1,614		
21	Standard consumer line charge revenue	75,438	1,456		
22	Non-standard consumer line charge revenue	30,283	1,002,546		
23					
24	<b>1(iii): Service intensity measures</b>				
25	Demand density	31			Maximum coincident system demand per km of circuit length (for supply) (kW/km)
26	Volume density	186			Total energy delivered to ICPs per km of circuit length (for supply) (MWh/km)
27	Connection point density	8			Average number of ICPs per km of circuit length (for supply) (ICPs/km)
28	Energy intensity	24,530			Total energy delivered to ICPs per average number of ICPs (kWh/ICP)
29					
30	<b>1(iv): Composition of regulatory income</b>				
31					
32				<b>(\$000)</b>	<b>% of revenue</b>
33	Operational expenditure			13,822	27.15%
34	Pass-through and recoverable costs excluding financial incentives and wash-ups			14,704	28.88%
35	Total depreciation			6,204	12.19%
36	Total revaluations			134	0.26%
37	Regulatory tax allowance			4,198	8.25%
38	Regulatory profit/(loss) including financial incentives and wash-ups			12,118	23.80%
39	<b>Total regulatory income</b>			<b>50,913</b>	
40					
41	<b>1(v): Reliability</b>				
42	Interruption rate			9.57	Interruptions per 100 circuit km



Company Name **Alpine Energy Ltd**  
 For Year Ended **31 March 2015**

**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 13	31 Mar 14	31 Mar 15
		%	%	%
7	<b>ROI – comparable to a post tax WACC</b>			
8				
9	Reflecting all revenue earned	2.33%	3.30%	6.72%
10	Excluding revenue earned from financial incentives	2.33%	3.30%	6.72%
11	Excluding revenue earned from financial incentives and wash-ups	2.33%	3.30%	6.72%
12				
13				
14	<b>Mid-point estimate of post tax WACC</b>	5.85%	5.43%	6.10%
15	25th percentile estimate	5.13%	4.71%	5.39%
16	75th percentile estimate	6.56%	6.14%	6.82%
17				
18				
19	<b>ROI – comparable to a vanilla WACC</b>			
20	Reflecting all revenue earned	3.11%	3.99%	7.50%
21	Excluding revenue earned from financial incentives	3.11%	3.99%	7.50%
22	Excluding revenue earned from financial incentives and wash-ups	3.11%	3.99%	7.50%
23				
24	<b>WACC rate used to set regulatory price path</b>	8.77%	8.77%	8.77%
25				
26	<b>Mid-point estimate of vanilla WACC</b>	6.62%	6.11%	6.89%
27	25th percentile estimate	5.91%	5.39%	6.17%
28	75th percentile estimate	7.34%	6.83%	7.60%
29				
30	<b>2(ii): Information Supporting the ROI</b>	(\$000)		
31				
32	Total opening RAB value	159,366		
33	plus Opening deferred tax	(1,863)		
34	<b>Opening RIV</b>		157,503	
35				
36	<b>Line charge revenue</b>		51,134	
37				
38	Expenses cash outflow	28,526		
39	add Assets commissioned	18,705		
40	less Asset disposals	225		
41	add Tax payments	2,325		
42	less Other regulated income	(221)		
43	<b>Mid-year net cash outflows</b>		49,552	
44				
45	<b>Term credit spread differential allowance</b>		-	
46				
47	Total closing RAB value	172,594		
48	less Adjustment resulting from asset allocation	1		
49	less Lost and found assets adjustment	817		
50	plus Closing deferred tax	(3,737)		
51	<b>Closing RIV</b>		168,039	
52				
53	<b>ROI – comparable to a vanilla WACC</b>			7.50%
54				
55	Leverage (%)			44%
56	Cost of debt assumption (%)			6.36%
57	Corporate tax rate (%)			28%
58				
59	<b>ROI – comparable to a post tax WACC</b>			6.72%
60				



Company Name **Alpine Energy Ltd**  
 For Year Ended **31 March 2015**

## 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 157,503

	Line charge revenue	Expenses cash outflow	Assets commissioned	Asset disposals	Other regulated income	Monthly net cash outflows
April	4,130	2,458	447	-		2,905
May	3,710	2,335	686	(5)	5	3,021
June	3,685	2,238	557	-		2,795
July	4,164	2,642	3,940	-		6,582
August	4,145	2,508	22	-		2,531
September	4,114	2,666	218	-		2,884
October	4,193	2,621	612	-		3,232
November	4,159	1,872	457	-		2,330
December	4,692	2,409	3,578	(2)	7	5,983
January	4,910	2,208	722	-		2,930
February	4,530	2,066	1,220	-		3,286
March	4,702	2,502	6,246	232	(232)	8,748
<b>Total</b>	<b>51,134</b>	<b>28,526</b>	<b>18,705</b>	<b>225</b>	<b>(221)</b>	<b>47,227</b>

Tax payments 2,325

Term credit spread differential allowance -

Closing RIV 168,039

Monthly ROI – comparable to a vanilla WACC 7.57%

Monthly ROI – comparable to a post tax WACC 6.79%

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

Year-end ROI – comparable to a vanilla WACC 7.26%

Year-end ROI – comparable to a post tax WACC 6.48%

\* 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	-
Other financial incentives	-
<b>Financial incentives</b>	<b>-</b>

Impact of financial incentives on ROI -

Input methodology claw-back	-
Recoverable customised price-quality path costs	-
Catastrophic event allowance	-
Capex wash-up adjustment	-
Transmission asset wash-up adjustment	-
2013–2015 NPV wash-up allowance	-
Reconsideration event allowance	-
Other wash-ups	-
<b>Wash-up costs</b>	<b>-</b>

Impact of wash-up costs on ROI -

Company Name **Alpine Energy Ltd**  
 For Year Ended **31 March 2015**

### 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

3(i): Regulatory Profit		(\$000)
7	<b>Income</b>	
8	Line charge revenue	51,134
9		
10	plus Gains / (losses) on asset disposals	(225)
11	plus Other regulated income (other than gains / (losses) on asset disposals)	4
12		
13	<b>Total regulatory income</b>	<b>50,913</b>
14	<b>Expenses</b>	
15	less Operational expenditure	13,822
16		
17	less Pass-through and recoverable costs excluding financial incentives and wash-ups	14,704
18		
19	<b>Operating surplus / (deficit)</b>	<b>22,387</b>
20		
21	less Total depreciation	6,204
22		
23	plus Total revaluations	134
24		
25	<b>Regulatory profit / (loss) before tax</b>	<b>16,316</b>
26		
27	less Term credit spread differential allowance	-
28		
29	less Regulatory tax allowance	4,198
30		
31	<b>Regulatory profit/(loss) including financial incentives and wash-ups</b>	<b>12,118</b>
32		
33	<b>3(ii): Pass-through and Recoverable Costs excluding Financial Incentives and Wash-Ups</b>	<b>(\$000)</b>
34	<b>Pass through costs</b>	
35	Rates	60
36	Commerce Act levies	102
37	Industry levies	147
38	CPP specified pass through costs	-
39	<b>Recoverable costs excluding financial incentives and wash-ups</b>	
40	Electricity lines service charge payable to Transpower	13,998
41	Transpower new investment contract charges	396
42	System operator services	-
43	Distributed generation allowance	-
44	Extended reserves allowance	-
45	Other recoverable costs excluding financial incentives and wash-ups	-
46	<b>Pass-through and recoverable costs excluding financial incentives and wash-ups</b>	<b>14,704</b>
47		



Company Name **Alpine Energy Ltd**  
 For Year Ended **31 March 2015**

**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 14	31 Mar 15
48	<b>3(iii): Incremental Rolling Incentive Scheme</b>		
49			
50			
51	Allowed controllable opex	NA	NA
52	Actual controllable opex	NA	NA
53			
54	Incremental change in year		NA
55			
56		Previous years' incremental change	Previous years' incremental change adjusted for inflation
57	CY-5 31 Mar 10	NA	NA
58	CY-4 31 Mar 11	NA	NA
59	CY-3 31 Mar 12	NA	NA
60	CY-2 31 Mar 13	NA	NA
61	CY-1 31 Mar 14	NA	NA
62	<b>Net incremental rolling incentive scheme</b>		-
63			
64	<b>Net recoverable costs allowed under incremental rolling incentive scheme</b>		-
65	<b>3(iv): Merger and Acquisition Expenditure</b>		
66			(\$000)
67	Merger and acquisition expenditure		NA
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	<b>3(v): Other Disclosures</b>		
70			(\$000)
71	Self-insurance allowance		NA



Company Name **Alpine Energy Ltd**  
 For Year Ended **31 March 2015**

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

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

sch ref

7 8 9	10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25	4(i): Regulatory Asset Base Value (Rolled Forward)	for year ended				
			RAB 31 Mar 11 (\$000)	RAB 31 Mar 12 (\$000)	RAB 31 Mar 13 (\$000)	RAB 31 Mar 14 (\$000)	RAB 31 Mar 15 (\$000)
		Total opening RAB value	126,136	130,854	131,651	153,233	159,366
		less Total depreciation	8,318	8,949	8,059	7,197	6,204
		plus Total revaluations	3,044	2,052	1,126	2,347	134
		plus Assets commissioned	10,258	7,907	29,132	11,152	18,705
		less Asset disposals	267	213	617	168	225
		plus Lost and found assets adjustment	-	-	-	-	817
		plus Adjustment resulting from asset allocation	-	-	-	-	1
		Total closing RAB value	130,854	131,651	153,233	159,366	172,594

26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49	50	4(ii): Unallocated Regulatory Asset Base	Unallocated RAB *		RAB	
			(\$000)	(\$000)	(\$000)	(\$000)
		Total opening RAB value		159,366		159,366
		less Total depreciation		6,204		6,204
		plus Total revaluations		134		134
		plus Assets commissioned (other than below)	7,241		7,239	
		Assets acquired from a regulated supplier	-		-	
		Assets acquired from a related party	11,466		11,466	
		Assets commissioned		18,707		18,705
		less Asset disposals (other than below)	225		225	
		Asset disposals to a regulated supplier	-		-	
		Asset disposals to a related party	-		-	
		Asset disposals		225		225
		plus Lost and found assets adjustment		817		817
		plus Adjustment resulting from asset allocation				1
		Total closing RAB value		172,594		172,594

\* 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 Ltd**  
 For Year Ended **31 March 2015**

**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 <sub>t</sub>	1,193
CPI <sub>t-4</sub>	1,192
Revaluation rate (%)	0.08%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Total opening RAB value	159,366		159,366	
less Opening value of fully depreciated, disposed and lost assets	225		225	
Total opening RAB value subject to revaluation	159,141		159,141	
<b>Total revaluations</b>		134		134

**4(iv): Roll Forward of Works Under Construction**

	Unallocated works under construction		Allocated works under construction	
<b>Works under construction—preceding disclosure year</b>		7,122		7,122
plus Capital expenditure	14,012		14,012	
less Assets commissioned	18,707		18,705	
plus Adjustment resulting from asset allocation			-	
<b>Works under construction - current disclosure year</b>		2,426		2,428
Highest rate of capitalised finance applied				-

Company Name **Alpine Energy Ltd**  
 For Year Ended **31 March 2015**

**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.

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

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
77 Depreciation - standard	5,692		5,692	
78 Depreciation - no standard life assets	512		512	
79 Depreciation - modified life assets	-		-	
80 Depreciation - alternative depreciation in accordance with CPP	-		-	
81 <b>Total depreciation</b>		6,204		6,204

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

(\$000 unless otherwise specified)

Asset or assets with changes to depreciation*	Reason for non-standard depreciation (text entry)	Depreciation charge for the period (RAB)	Closing RAB value under 'non-standard' depreciation	Closing RAB value under 'standard' depreciation
87 N/A	N/A	N/A		
88				
89				
90				
91				
92				
93				
94				

\* include additional rows if needed

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

(\$000 unless otherwise specified)

	Subtransmission lines	Subtransmission cables	Zone substations	Distribution and LV lines	Distribution and LV cables	Distribution substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
98 <b>Total opening RAB value</b>	11,644	602	27,425	41,840	45,480	22,453	3,989	4,247	1,685	159,366
99 <i>less</i> Total depreciation	506	20	945	1,558	1,312	857	185	309	512	6,204
100 <i>plus</i> Total revaluations	10	1	23	35	38	19	3	4	1	134
101 <i>plus</i> Assets commissioned	878	88	6,367	1,662	1,667	1,171	1,052	2,735	3,085	18,705
102 <i>less</i> Asset disposals	10	1	-	127	-	95	-	-	(7)	225
103 <i>plus</i> Lost and found assets adjustment	-	-	-	-	-	-	-	-	817	817
104 <i>plus</i> Adjustment resulting from asset allocation	-	-	-	-	-	-	-	-	1	1
105 <i>plus</i> Asset category transfers	-	-	-	-	-	-	-	-	-	-
106 <b>Total closing RAB value</b>	12,015	670	32,870	41,853	45,874	22,691	4,859	6,678	5,084	172,594
107										
108										
109 <b>Asset Life</b>										
110 Weighted average remaining asset life	36	32	36	30	41	27	37	25	8	(years)
111 Weighted average expected total asset life	51	45	44	53	55	45	44	29	10	(years)



Company Name **Alpine Energy Ltd**  
 For Year Ended **31 March 2015**

**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	<b>5a(i): Regulatory Tax Allowance</b>		
8	<b>Regulatory profit / (loss) before tax</b>		16,316
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	25	*
12	Amortisation of initial differences in asset values	2,711	
13	Amortisation of revaluations	348	
14			3,084
15			
16	<i>less</i> Total revaluations	134	
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	4,274	
21			4,407
22			
23	<b>Regulatory taxable income</b>		14,993
24			
25	<i>less</i> Utilised tax losses	-	
26	Regulatory net taxable income		14,993
27			
28	Corporate tax rate (%)	28%	
29	<b>Regulatory tax allowance</b>		4,198

\* 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	56,087	
37	<i>less</i> Amortisation of initial differences in asset values	2,711	
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		53,376
41			
42	Opening weighted average remaining useful life of relevant assets (years)		20.7
43			



Company Name **Alpine Energy Ltd**  
 For Year Ended **31 March 2015**

**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	<b>5a(iv): Amortisation of Revaluations</b>		(\$000)
45			
46	Opening sum of RAB values without revaluations	150,059	
47			
48	Adjusted depreciation	5,857	
49	Total depreciation	6,204	
50	Amortisation of revaluations		348
51			
52	<b>5a(v): Reconciliation of Tax Losses</b>		(\$000)
53			
54	Opening tax losses	-	
55	plus Current period tax losses	-	
56	less Utilised tax losses	-	
57	Closing tax losses		-
58	<b>5a(vi): Calculation of Deferred Tax Balance</b>		(\$000)
59			
60	Opening deferred tax	(1,863)	
61			
62	plus Tax effect of adjusted depreciation	1,640	
63			
64	less Tax effect of tax depreciation	2,751	
65			
66	plus Tax effect of other temporary differences*	(5)	
67			
68	less Tax effect of amortisation of initial differences in asset values	759	
69			
70	plus Deferred tax balance relating to assets acquired in the disclosure year	2	
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		(3,737)
77			
78	<b>5a(vii): Disclosure of Temporary Differences</b>		
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	<b>5a(viii): Regulatory Tax Asset Base Roll-Forward</b>		
82			(\$000)
83	Opening sum of regulatory tax asset values	88,942	
84	less Tax depreciation	9,824	
85	plus Regulatory tax asset value of assets commissioned	18,705	
86	less Regulatory tax asset value of asset disposals	225	
87	plus Lost and found assets adjustment	817	
88	plus Adjustment resulting from asset allocation	1	
89	plus Other adjustments to the RAB tax value	-	
90	Closing sum of regulatory tax asset values		98,416

Company Name **Alpine Energy Ltd**  
 For Year Ended **31 March 2015**

**SCHEDULE 5b: REPORT ON RELATED PARTY TRANSACTIONS**

This schedule provides information on the valuation of related party transactions, in accordance with section 2.3.6 and 2.3.7 of the ID 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.

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**5b(i): Summary—Related Party Transactions**

	(\$000)
Total regulatory income	-
Operational expenditure	5,601
Capital expenditure	9,350
Market value of asset disposals	-
Other related party transactions	-

**5b(ii): Entities Involved in Related Party Transactions**

Name of related party	Related party relationship
Netcon Ltd	Wholly owned subsidiary and contractor

*\* include additional rows if needed*

**5b(iii): Related Party Transactions**

Name of related party	Related party transaction type	Description of transaction	Value of transaction (\$000)	Basis for determining value
Netcon Ltd	Opex	Maintenance of Assets	5,150	ID clause 2.3.6(1)(b)
Netcon Ltd	Opex	Misc uncategorised Opex	452	ID clause 2.3.6(1)(b)
Netcon Ltd	Capex	Subtransmission assets	230	ID clause 2.3.6(1)(b)
Netcon Ltd	Capex	Zone Substations	5,098	ID clause 2.3.6(1)(b)
Netcon Ltd	Capex	Distribution and LV Lines	1,062	ID clause 2.3.6(1)(b)
Netcon Ltd	Capex	Distribution and LV Cables	2,664	ID clause 2.3.6(1)(b)
Netcon Ltd	Capex	Distribution Substations and Transformers	62	ID clause 2.3.6(1)(b)
Netcon Ltd	Capex	Distribution Switchgear	234	ID clause 2.3.6(1)(b)

*\* include additional rows if needed*



Company Name **Alpine Energy Ltd**  
 For Year Ended **31 March 2015**

**SCHEDULE 5c: REPORT ON TERM CREDIT SPREAD DIFFERENTIAL ALLOWANCE**

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

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

Issuing party	Issue date	Pricing date	Original tenor (in years)	Coupon rate (%)	Book value at issue date (NZD)	Book value at date of financial statements (NZD)	Term Credit Spread Difference	Cost of executing an interest rate swap	Debt issue cost readjustment
N/a									
* include additional rows if needed						-	-	-	-

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

Gross term credit spread differential		-
Total book value of interest bearing debt		
Leverage	44%	
Average opening and closing RAB values		
Attribution Rate (%)		-
Term credit spread differential allowance		-





Company Name **Alpine Energy Ltd**  
 For Year Ended **31 March 2015**

**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

7 **5d(i): Operating Cost Allocations**

		Value allocated (\$000s)				
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000s)
10	<b>Service interruptions and emergencies</b>					
11	Directly attributable		656			
12	Not directly attributable	-	-	-	-	-
13	<b>Total attributable to regulated service</b>		656			
14	<b>Vegetation management</b>					
15	Directly attributable		172			
16	Not directly attributable	-	-	-	-	-
17	<b>Total attributable to regulated service</b>		172			
18	<b>Routine and corrective maintenance and inspection</b>					
19	Directly attributable		3,178			
20	Not directly attributable	-	-	-	-	-
21	<b>Total attributable to regulated service</b>		3,178			
22	<b>Asset replacement and renewal</b>					
23	Directly attributable		256			
24	Not directly attributable	-	-	-	-	-
25	<b>Total attributable to regulated service</b>		256			
26	<b>System operations and network support</b>					
27	Directly attributable		5,155			
28	Not directly attributable	-	-	-	-	-
29	<b>Total attributable to regulated service</b>		5,155			
30	<b>Business support</b>					
31	Directly attributable		4,406			
32	Not directly attributable	-	-	-	-	-
33	<b>Total attributable to regulated service</b>		4,406			
34						
35	<b>Operating costs directly attributable</b>		13,822			
36	<b>Operating costs not directly attributable</b>	-	-	-	-	-
37	<b>Operational expenditure</b>		13,822			



Company Name **Alpine Energy Ltd**  
 For Year Ended **31 March 2015**

**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 <b>Pass through and recoverable costs</b>	
41 <b>Pass through costs</b>	
42     Directly attributable	310
43     Not directly attributable	-
44 <b>Total attributable to regulated service</b>	310
45 <b>Recoverable costs</b>	
46     Directly attributable	14,394
47     Not directly attributable	-
48 <b>Total attributable to regulated service</b>	14,394

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

		(\$000)	
		CY-1	Current Year (CY)
51 <b>Change in cost allocation 1</b>			
52 Cost category	N/A		
53 Original allocator or line items	N/A	N/A	N/A
54 New allocator or line items	N/A	N/A	N/A
55			
56			
57 Rationale for change			

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

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

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 Ltd**  
 For Year Ended **31 March 2015**

**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
<b>Subtransmission lines</b>		
Directly attributable		12,015
Not directly attributable		-
<b>Total attributable to regulated service</b>		12,015
<b>Subtransmission cables</b>		
Directly attributable		670
Not directly attributable		-
<b>Total attributable to regulated service</b>		670
<b>Zone substations</b>		
Directly attributable		32,870
Not directly attributable		-
<b>Total attributable to regulated service</b>		32,870
<b>Distribution and LV lines</b>		
Directly attributable		41,853
Not directly attributable		-
<b>Total attributable to regulated service</b>		41,853
<b>Distribution and LV cables</b>		
Directly attributable		45,874
Not directly attributable		-
<b>Total attributable to regulated service</b>		45,874
<b>Distribution substations and transformers</b>		
Directly attributable		22,691
Not directly attributable		-
<b>Total attributable to regulated service</b>		22,691
<b>Distribution switchgear</b>		
Directly attributable		4,859
Not directly attributable		-
<b>Total attributable to regulated service</b>		4,859
<b>Other network assets</b>		
Directly attributable		6,678
Not directly attributable		-
<b>Total attributable to regulated service</b>		6,678
<b>Non-network assets</b>		
Directly attributable		5,084
Not directly attributable		-
<b>Total attributable to regulated service</b>		5,084
<b>Regulated service asset value directly attributable</b>		172,594
<b>Regulated service asset value not directly attributable</b>		-
<b>Total closing RAB value</b>		172,594

5e(ii): Changes in Asset Allocations* †		(\$000)	
		CY-1	Current Year (CY)
<b>Change in asset value allocation 1</b>			
Asset category	N/A	Original allocation	N/A
Original allocator or line items	N/A	New allocation	N/A
New allocator or line items	N/A	Difference	
Rationale for change			
<b>Change in asset value allocation 2</b>			
Asset category	N/A	Original allocation	N/A
Original allocator or line items	N/A	New allocation	N/A
New allocator or line items	N/A	Difference	
Rationale for change			
<b>Change in asset value allocation 3</b>			
Asset category	N/A	Original allocation	N/A
Original allocator or line items	N/A	New allocation	N/A
New allocator or line items	N/A	Difference	
Rationale for change			

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



Company Name **Alpine Energy Ltd**  
For Year Ended **31 March 2015**

**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)
7	<b>6a(i): Expenditure on Assets</b>		
8	Consumer connection		4,760
9	System growth		2,869
10	Asset replacement and renewal		3,440
11	Asset relocations		952
12	Reliability, safety and environment:		
13	Quality of supply	149	
14	Legislative and regulatory	4	
15	Other reliability, safety and environment	3,577	
16	<b>Total reliability, safety and environment</b>		3,730
17	<b>Expenditure on network assets</b>		15,751
18	Expenditure on non-network assets		1,730
19			
20	<b>Expenditure on assets</b>		17,481
21	plus Cost of financing		-
22	less Value of capital contributions		3,470
23	plus Value of vested assets		-
24			
25	<b>Capital expenditure</b>		14,012
26	<b>6a(ii): Subcomponents of Expenditure on Assets (where known)</b>		(\$000)
27	Energy efficiency and demand side management, reduction of energy losses		-
28	Overhead to underground conversion		325
29	Research and development		0.28
30	<b>6a(iii): Consumer Connection</b>		
31	<i>Consumer types defined by EDB*</i>	(\$000)	(\$000)
32	Residential	501	
33	Subdivision	740	
34	Commercial	2,173	
35	Irrigation	1,093	
36	LV alterations	236	
37	HV alterations	17	
38	<i>* include additional rows if needed</i>		
39	<b>Consumer connection expenditure</b>		4,760
40	less Capital contributions funding consumer connection expenditure	1,049	
41	<b>Consumer connection less capital contributions</b>		3,712
42	<b>6a(iv): System Growth and Asset Replacement and Renewal</b>		
43		System Growth	Asset Replacement and Renewal
44		(\$000)	(\$000)
45	Subtransmission	264	277
46	Zone substations	654	677
47	Distribution and LV lines	628	943
48	Distribution and LV cables	181	413
49	Distribution substations and transformers	1,042	454
50	Distribution switchgear	96	548
51	Other network assets	3	128
52	<b>System growth and asset replacement and renewal expenditure</b>	2,869	3,440
53	less Capital contributions funding system growth and asset replacement and renewal	632	758
54	<b>System growth and asset replacement and renewal less capital contributions</b>	2,237	2,682
55			
56	<b>6a(v): Asset Relocations</b>		
57	<i>Project or programme*</i>	(\$000)	(\$000)
58	ABY - Motukaika Rd - Cave Fdr upgrade	136	
	BPD- Waihao River crossing	74	
	Equipment	0.50	
	Network - ABS replacements	1	
	Network - New Connections & Subdivisions	43	
	Network - Underground Cable Upgrades	17	
59	Network - Various O/H new builds & upgrades	192	
60	PAR - Sub transmission lines reconductor to Iodine	399	
61	STU - Morven Fdr re-route at Leighbank	89	
62			
63	<i>* include additional rows if needed</i>		
64	All other projects or programmes - asset relocations	-	

Company Name **Alpine Energy Ltd**  
 For Year Ended **31 March 2015**

**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.

<i>sch ref</i>			
65	<b>Asset relocations expenditure</b>		<b>952</b>
66	<i>less</i> Capital contributions funding asset relocations	210	
67	<b>Asset relocations less capital contributions</b>		<b>742</b>



Company Name **Alpine Energy Ltd**  
 For Year Ended **31 March 2015**

**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)
68			
69	<b>6a(vi): Quality of Supply</b>		
70	<i>Project or programme*</i>		
71	BPD - Waihuna feeder & regulator	4	
72	Network - Mobile sub site preparations	3	
	Network - New ABS's	16	
	Network - New Connections & Subdivisions	4	
73	Network - Reclosers New	91	
74	Network - Various O/H new builds & upgrades	5	
75	NETWORK - New RMU's	27	
76	<i>* include additional rows if needed</i>		
77	All other projects programmes - quality of supply		
78	<b>Quality of supply expenditure</b>		149
79	less Capital contributions funding quality of supply	33	
80	<b>Quality of supply less capital contributions</b>		116
81	<b>6a(vii): Legislative and Regulatory</b>		
82	<i>Project or programme*</i>		
83	Legal and Regulatory	4	
84			
85			
86			
87			
88	<i>* include additional rows if needed</i>		
89	All other projects or programmes - legislative and regulatory		
90	<b>Legislative and regulatory expenditure</b>		4
91	less Capital contributions funding legislative and regulatory	1	
92	<b>Legislative and regulatory less capital contributions</b>		3
93	<b>6a(viii): Other Reliability, Safety and Environment</b>		
94	<i>Project or programme*</i>		
95	SCADA	180	
	Equipment/New Equipment	169	
	Fairlie 6.25 MVA Transformer (PAR 1)	17	
	FLE - Substation upgrade	135	
	HNT - 11 kV protection/control replacement (17 CBs)	15	
	Line Reclosers	200	
	Mobile 33/11 kV substation, 5/8 MVA Dyn11	823	
	Network - ABS replacements	24	
	Network - Comms & RTU	51	
	Network - Consultants Reports	51	
	Network - Deep driven earths/Earthing	359	
	Network - Diesel Generators / Step-up Tx	274	
	Network - Distribution Sub refurbishment	211	
	Network - Mobile sub site preparations	456	
	Network - New Subdivisions & extensions for new services	14	
	Network - New Ring Main unit & replacements	32	
	Network - Underground Cable Upgrades	33	
	Network - Various O/H new builds & upgrades	343	
96	Network - Zone Substation Protection replacement	176	
97	TEK - Change-out oil CBs for LMVP	14	
98			
99			
100	<i>* include additional rows if needed</i>		
101	All other projects or programmes - other reliability, safety and environment		
102	<b>Other reliability, safety and environment expenditure</b>		3,577
103	less Capital contributions funding other reliability, safety and environment	788	
104	<b>Other reliability, safety and environment less capital contributions</b>		2,789
105			
106	<b>6a(ix): Non-Network Assets</b>		
107	<b>Routine expenditure</b>		
108	<i>Project or programme*</i>		
109	Land and Buildings	1,234	
110	Plant and equipment	20	
111	Software and IT	306	
112	Vehicles	169	



Company Name **Alpine Energy Ltd**  
 For Year Ended **31 March 2015**

**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			
113			
114	<i>* include additional rows if needed</i>		
115	All other projects or programmes - routine expenditure		
116	<b>Routine expenditure</b>		1,730
117	<b>Atypical expenditure</b>		
118	<i>Project or programme*</i>	(\$000)	(\$000)
119			
120			
121			
122			
123			
124	<i>* include additional rows if needed</i>		
125	All other projects or programmes - atypical expenditure		
126	<b>Atypical expenditure</b>		-
127			
128	<b>Expenditure on non-network assets</b>		1,730



Company Name **Alpine Energy Ltd**  
 For Year Ended **31 March 2015**

**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	<b>6b(i): Operational Expenditure</b>		
8	Service interruptions and emergencies	656	
9	Vegetation management	172	
10	Routine and corrective maintenance and inspection	3,178	
11	Asset replacement and renewal	256	
12	<b>Network opex</b>		4,261
13	System operations and network support	5,155	
14	Business support	4,406	
15	<b>Non-network opex</b>		9,561
16			
17	<b>Operational expenditure</b>		13,822
18	<b>6b(ii): Subcomponents of Operational Expenditure (where known)</b>		
19	Energy efficiency and demand side management, reduction of energy losses		-
20	Direct billing*		-
21	Research and development		-
22	Insurance		190
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		



Company Name	Alpine Energy Ltd
For Year Ended	31 March 2015

## 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) <sup>1</sup>	Actual (\$000)	% variance
7				
8	Line charge revenue	49,100	51,134	4%
7(ii): Expenditure on Assets		Forecast (\$000) <sup>2</sup>	Actual (\$000)	% variance
9				
10	Consumer connection	2,890	4,760	65%
11	System growth	1,390	2,869	106%
12	Asset replacement and renewal	3,920	3,440	(12%)
13	Asset relocations	–	952	–
14	Reliability, safety and environment:			
15	Quality of supply	830	149	(82%)
16	Legislative and regulatory	–	4	–
17	Other reliability, safety and environment	910	3,577	293%
18	<b>Total reliability, safety and environment</b>	<b>1,740</b>	<b>3,730</b>	<b>114%</b>
19	<b>Expenditure on network assets</b>	<b>9,940</b>	<b>15,751</b>	<b>58%</b>
20	Expenditure on non-network assets	942	1,730	84%
21	Expenditure on assets	10,882	17,481	61%
7(iii): Operational Expenditure				
22				
23	Service interruptions and emergencies	1,895	656	(65%)
24	Vegetation management	94	172	82%
25	Routine and corrective maintenance and inspection	2,764	3,178	15%
26	Asset replacement and renewal	595	256	(57%)
27	<b>Network opex</b>	<b>5,348</b>	<b>4,261</b>	<b>(20%)</b>
28	System operations and network support	3,872	5,155	33%
29	Business support	5,207	4,406	(15%)
30	<b>Non-network opex</b>	<b>9,079</b>	<b>9,561</b>	<b>5%</b>
31	<b>Operational expenditure</b>	<b>14,427</b>	<b>13,822</b>	<b>(4%)</b>
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	650	325	(50%)
35	Research and development	–	0.28	–
36				
7(v): Subcomponents of Operational Expenditure (where known)				
37				
38	Energy efficiency and demand side management, reduction of energy losses	–	–	–
39	Direct billing	–	–	–
40	Research and development	–	–	–
41	Insurance	89	190	115%

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 Ltd
For Year Ended	31 March 2015
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	1,311	6,287
LOWLCA	Low Charge	Standard	7,360	39,589
LOWUHCA	Low Uncontrolled	Standard	9	41
LOWULCA	Low Uncontrolled	Standard	23	75
015HCA	015	Standard	5,984	61,195
015LCA	015	Standard	14,047	127,032
015UHCA	015 Uncontrolled	Standard	35	455
015ULCA	015 Uncontrolled	Standard	46	464
360HCA	360	Standard	453	11,572
360LCA	360	Standard	696	23,386
360UHCA	360 Uncontrolled	Standard	13	444
360ULCA	360 Uncontrolled	Standard	8	175
ASSHCA	Assessed	Standard	1,180	148,640
ASSLCA	Assessed	Standard	354	37,561
TOU400HCA	TOU 400V	Standard	35	21,070
TOU400LCA	TOU 400V	Standard	103	94,499
TOU11HCA	TOU 11kV	Standard	6	23,240
TOU11LCA	TOU 11kV	Standard	4	15,658
IND	IND	Non-standard	5	165,530
<i>Add extra rows for additional consumer groups or price category codes as necessary</i>				
Standard consumer totals			31,667	611,382
Non-standard consumer totals			5	165,530
Total for all consumers			31,672	776,912

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
No. of ICPs	kWh	kWh	kW	No. of ICPs	kWh	kWh	kW	
1,311	4,715,155	1,571,718	-	1,311	4,715,155	1,571,718	-	
7,360	29,691,437	9,897,146	-	7,360	29,691,437	9,897,146	-	
9	30,549	10,183	-	9	30,549	10,183	-	
23	56,017	18,672	-	23	56,017	18,672	-	
5,984	45,896,439	15,298,813	-	5,984	45,896,439	15,298,813	-	
14,047	95,273,758	31,757,919	-	14,047	95,273,758	31,757,919	-	
35	341,517	113,839	-	35	341,517	113,839	-	
46	348,175	116,058	-	46	348,175	116,058	-	
453	8,679,055	2,893,018	-	453	8,679,055	2,893,018	-	
696	17,539,597	5,846,532	-	696	17,539,597	5,846,532	-	
13	332,843	110,948	-	13	332,843	110,948	-	
8	131,020	43,673	-	8	131,020	43,673	-	
1,180	111,479,943	37,159,981	93,306	1,180	111,479,943	37,159,981	93,306	
354	28,170,523	9,390,174	33,549	354	28,170,523	9,390,174	33,549	
35	14,819,576	6,250,904	7,349	35	14,819,576	6,250,904	7,349	
103	65,209,532	29,289,567	22,257	103	65,209,532	29,289,567	22,257	
6	16,864,189	6,375,484	5,920	6	16,864,189	6,375,484	5,920	
4	10,944,513	4,713,467	4,050	4	10,944,513	4,713,467	4,050	
5	110,913,842	54,616,049	-	5	110,913,842	54,616,049	-	
<i>Add extra columns for additional billed quantities by price component as necessary</i>								
31,667	450,523,838	160,858,099	166,431	31,667	450,523,838	160,858,099	166,431	
5	110,913,842	54,616,049	-	5	110,913,842	54,616,049	-	
31,672	561,437,679	215,474,147	166,431	31,672	561,437,679	215,474,147	166,431	

Company Name	Alpine Energy Ltd
For Year Ended	31 March 2015
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

Price component

Distribution fixed	Distribution variable day	Distribution variable night	Distribution demand	Transmission Fixed	Transmission Variable day	Transmission Variable night	Transmission demand
\$/annum	\$/kWh	\$/kWh	\$(kWh*annum)	\$/annum	\$/kWh	\$/kWh	\$(kWh*annum)
\$61	\$308	\$60	-	-	\$102	\$7	-
\$345	\$1,776	\$325	-	-	\$641	\$44	-
\$0	\$2	\$0	-	-	\$2	\$0	-
\$1	\$3	\$1	-	-	\$3	\$1	-
\$1,827	\$1,682	\$147	-	-	\$990	\$68	-
\$3,376	\$3,492	\$306	-	-	\$2,056	\$1	-
\$11	\$13	\$1	-	\$10	\$7	\$1	-
\$12	\$13	\$1	-	\$14	\$8	\$0	-
\$565	\$318	\$28	-	-	\$187	\$0	-
\$725	\$643	\$56	-	-	\$379	\$26	-
\$16	\$12	\$28	-	\$4	\$7	\$0	-
\$8	\$5	\$0	-	\$2	\$3	\$0	-
\$233	\$4,086	\$357	\$2,141	-	\$2,406	\$164	\$4,024
\$57	\$1,032	\$90	\$670	-	\$608	\$41	\$1,419
\$4	\$234	\$17	\$518	-	\$52	\$13	\$592
\$12	\$1,030	\$80	\$1,310	-	\$230	\$63	\$1,793
\$1	\$266	\$18	\$320	-	\$60	\$14	\$477
\$0	\$173	\$13	\$196	-	\$39	\$10	\$326
\$2,891	-	-	-	\$2,122	-	-	-
\$7,456	\$15,089	\$1,528	\$5,155	\$30	\$7,780	\$453	\$8,631
\$2,891	-	-	-	\$2,122	-	-	-
\$10,347	\$15,089	\$1,528	\$5,155	\$2,152	\$7,780	\$453	\$8,631

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

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	\$539	N/A
LOWLCA	Low Charge	Standard	\$3,131	N/A
LOWUHCA	Low Uncontrolled	Standard	\$5	N/A
LOWULCA	Low Uncontrolled	Standard	\$9	N/A
015HCA	015	Standard	\$4,715	N/A
015LCA	015	Standard	\$9,430	N/A
015UHCA	015 Uncontrolled	Standard	\$43	N/A
015ULCA	015 Uncontrolled	Standard	\$47	N/A
360HCA	360	Standard	\$1,099	N/A
360LCA	360	Standard	\$1,828	N/A
360UHCA	360 Uncontrolled	Standard	\$68	N/A
360ULCA	360 Uncontrolled	Standard	\$19	N/A
ASSHCA	Assessed	Standard	\$13,411	N/A
ASSLCA	Assessed	Standard	\$3,918	N/A
TOU400HCA	TOU 400V	Standard	\$1,431	N/A
TOU400LCA	TOU 400V	Standard	\$4,518	N/A
TOU11HCA	TOU 11kV	Standard	\$1,155	N/A
TOU11LCA	TOU 11kV	Standard	\$757	N/A
IND	IND	Non-standard	\$5,013	N/A
Standard consumer totals			\$46,121	-
Non-standard consumer totals			\$5,013	-
Total for all consumers			\$51,134	-

Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$ per day, \$ per kWh, etc.)
\$430	\$109	
\$2,446	\$684	
\$3	\$2	
\$5	\$4	
\$3,657	\$1,058	
\$7,374	\$2,057	
\$24	\$18	
\$26	\$21	
\$911	\$187	
\$1,424	\$404	
\$56	\$12	
\$14	\$5	
\$6,816	\$6,594	
\$1,850	\$2,068	
\$773	\$658	
\$2,432	\$2,086	
\$605	\$550	
\$382	\$375	
\$2,891	\$2,122	
\$29,228	\$16,893	
\$2,891	\$2,122	
\$32,119	\$19,015	

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

**8(iii): Number of ICPs directly billed**

Number of directly billed ICPs at year end

Check

Company Name	Alpine Energy Ltd
For Year Ended	31 March 2015
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.	27,145	27,191	46	3
9	All	Overhead Line	Wood poles	No.	21,627	21,629	2	3
10	All	Overhead Line	Other pole types	No.	704	706	2	3
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	241	241	(0)	3
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	0	-	(0)	4
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	27	27	0	3
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.	-	-	-	N/A
23	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	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	1	-	4
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	32	32	-	1
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	41	43	2	2
28	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	N/A
29	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	-	-	N/A
30	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	34	36	2	2
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	200	208	8	2
32	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	N/A
33	HV	Zone Substation Transformer	Zone Substation Transformers	No.	20	20	-	3
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	2,913	2,914	2	3
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	0	0	0	2
36	HV	Distribution Line	SWER conductor	km	7	7	-	3
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	128	137	9	2
38	HV	Distribution Cable	Distribution UG PILC	km	130	130	-	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.	227	231	4	1
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	43	48	5	1
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	6,542	6,710	168	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	86	86	-	1
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	499	502	3	3
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	4,775	4,870	95	2
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	886	910	24	2
47	HV	Distribution Transformer	Voltage regulators	No.	-	-	-	N/A
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	865	879	14	1
49	LV	LV Line	LV OH Conductor	km	2,913	2,915	2	3
50	LV	LV Cable	LV UG Cable	km	316	326	10	3
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	-	-	-	N/A
52	LV	Connections	OH/UG consumer service connections	No.	31,413	32,213	800	4
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	-	-	-	N/A
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	1	1	-	1
55	All	Capacitor Banks	Capacitors including controls	No.	16	16	-	3
56	All	Load Control	Centralised plant	Lot	6	6	-	3
57	All	Load Control	Relays	No.	9,894	9,785	(109)	2
58	All	Civils	Cable Tunnels	km	1	1	-	1



Company Name	Alpine Energy Ltd
For Year Ended	31 March 2015
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	<b>Circuit length by operating voltage (at year end)</b>	<b>Overhead (km)</b>	<b>Underground (km)</b>
11	> 66kV	—	—
12	50kV & 66kV	—	—
13	33kV	241	27
14	SWER (all SWER voltages)	—	7
15	22kV (other than SWER)	144	1
16	6.6kV to 11kV (inclusive—other than SWER)	2,766	325
17	Low voltage (< 1kV)	373	296
18	<b>Total circuit length (for supply)</b>	<b>3,524</b>	<b>656</b>
19			
20	Dedicated street lighting circuit length (km)	—	—
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)		38
22			
23	<b>Overhead circuit length by terrain (at year end)</b>	<b>Circuit length (km)</b>	<b>(% of total overhead length)</b>
24	Urban	315	9%
25	Rural	3,112	88%
26	Remote only	—	—
27	Rugged only	97	3%
28	Remote and rugged	—	—
29	Unallocated overhead lines	—	—
30	<b>Total overhead length</b>	<b>3,524</b>	<b>100%</b>
31			
32		<b>Circuit length (km)</b>	<b>(% of total circuit length)</b>
33	Length of circuit within 10km of coastline or geothermal areas (where known)	1,674	40%
34		<b>Circuit length (km)</b>	<b>(% of total overhead length)</b>
35	Overhead circuit requiring vegetation management	2,452	70%

Company Name **Alpine Energy Ltd**  
 For Year Ended **31 March 2015**

**SCHEDULE 9d: REPORT ON EMBEDDED NETWORKS**

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

sch ref

	Location *	Number of ICPs served	Line charge revenue (\$000)
8			
9	N/A	N/A	N/A
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			
20			
21			
22			
23			
24			
25			

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

Company Name	Alpine Energy Ltd
For Year Ended	31 March 2015
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	<b>9e(i): Consumer Connections</b>		
9	Number of ICPs connected in year by consumer type		
10		<b>Number of</b>	
11	<i>Consumer types defined by EDB*</i>	<b>connections (ICPs)</b>	
	Low Charge		-
	Low Uncontrolled		-
	015		278
	015 Uncontrolled		-
	360		35
	360 Uncontrolled		-
12	Assessed		51
13	TOU 400V		3
14	TOU 11kV		-
15	IND		1
16	* include additional rows if needed		
17	<b>Connections total</b>		<b>368</b>
18			
19	<b>Distributed generation</b>		
20	Number of connections made in year		56 connections
21	Capacity of distributed generation installed in year		0.29 MVA
22	<b>9e(ii): System Demand</b>		
23			
24		<b>Demand at time</b>	
		<b>of maximum</b>	
		<b>coincident</b>	
		<b>demand (MW)</b>	
25	<b>Maximum coincident system demand</b>		
26	GXP demand		131
27	plus Distributed generation output at HV and above		-
28	<b>Maximum coincident system demand</b>		<b>131</b>
29	less Net transfers to (from) other EDBs at HV and above		-
30	<b>Demand on system for supply to consumers' connection points</b>		<b>131</b>
31	<b>Electricity volumes carried</b>	<b>Energy (GWh)</b>	
32	Electricity supplied from GXPs		794
33	less Electricity exports to GXPs		13
34	plus Electricity supplied from distributed generation		25
35	less Net electricity supplied to (from) other EDBs		-
36	<b>Electricity entering system for supply to consumers' connection points</b>		<b>806</b>
37	less Total energy delivered to ICPs		777
38	<b>Electricity losses (loss ratio)</b>		<b>29 3.6%</b>
39			
40	<b>Load factor</b>		<b>0.70</b>
41	<b>9e(iii): Transformer Capacity</b>		
42		<b>(MVA)</b>	
43	Distribution transformer capacity (EDB owned)		422
44	Distribution transformer capacity (Non-EDB owned, estimated)		88
45	<b>Total distribution transformer capacity</b>		<b>511</b>
46			
47	<b>Zone substation transformer capacity</b>		<b>320</b>



Company Name	Alpine Energy Ltd
For Year Ended	31 March 2015
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	<b>10(i): Interruptions</b>		
9	<b>Interruptions by class</b>	<b>Number of interruptions</b>	
10	Class A (planned interruptions by Transpower)	-	
11	Class B (planned interruptions on the network)	222	
12	Class C (unplanned interruptions on the network)	171	
13	Class D (unplanned interruptions by Transpower)	7	
14	Class E (unplanned interruptions of EDB owned generation)	-	
15	Class F (unplanned interruptions of generation owned by others)	-	
16	Class G (unplanned interruptions caused by another disclosing entity)	-	
17	Class H (planned interruptions caused by another disclosing entity)	-	
18	Class I (interruptions caused by parties not included above)	-	
19	<b>Total</b>	<b>400</b>	
20			
21	<b>Interruption restoration</b>	<b>≤3Hrs</b>	<b>&gt;3hrs</b>
22	Class C interruptions restored within	100	71
23			
24	<b>SAIFI and SAIDI by class</b>	<b>SAIFI</b>	<b>SAIDI</b>
25	Class A (planned interruptions by Transpower)	-	-
26	Class B (planned interruptions on the network)	0.2853	48.99
27	Class C (unplanned interruptions on the network)	0.8714	91.30
28	Class D (unplanned interruptions by Transpower)	0.2928	21.15
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	<b>Total</b>	<b>1.4494</b>	<b>161.43</b>
35			
36	<b>Normalised SAIFI and SAIDI</b>	<b>Normalised</b>	
37	Classes B & C (interruptions on the network)	<b>Normalised SAIFI</b>	<b>SAIDI</b>
38		1.1566	140.28
39	<b>Quality path normalised reliability limit</b>	<b>SAIFI reliability limit</b>	<b>SAIDI reliability limit</b>
40	SAIFI and SAIDI limits applicable to disclosure year*	1.6937	164.22
41	* not applicable to exempt EDBs		



Company Name	Alpine Energy Ltd
For Year Ended	31 March 2015
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	0.0726	8.00
Vegetation	0.0362	5.22
Adverse weather	0.1337	17.14
Adverse environment	0.0607	1.72
Third party interference	0.0843	11.47
Wildlife	0.0522	2.89
Human error	-	-
Defective equipment	0.3080	35.54
Cause unknown	0.1236	9.31

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	0.0010	1.40
Subtransmission cables	-	-
Subtransmission other	-	1.16
Distribution lines (excluding LV)	0.2773	46.43
Distribution cables (excluding LV)	-	-
Distribution other (excluding LV)	0.0037	-

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

Main equipment involved	SAIFI	SAIDI
Subtransmission lines	-	0.01
Subtransmission cables	-	-
Subtransmission other	0.0500	4.77
Distribution lines (excluding LV)	0.7900	82.12
Distribution cables (excluding LV)	0.0300	4.39
Distribution other (excluding LV)	-	-

**10(v): Fault Rate**

Main equipment involved	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	5	241	2.07
Subtransmission cables	-	27	-
Subtransmission other	-	-	-
Distribution lines (excluding LV)	160	2,910	5.50
Distribution cables (excluding LV)	6	333	1.80
Distribution other (excluding LV)	-	-	-
<b>Total</b>	<b>171</b>		

