

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

<b>Company Name</b>	Wellington Electricity Lines Limited
<b>Disclosure Date</b>	31 August 2013
<b>Disclosure Year (year ended)</b>	31 March 2013

Templates for Schedules 1–10  
Template Version 2.1. Prepared 14 May 2013

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## **Disclosure Template Guidelines for Information Entry**

These templates have been prepared for use by EDBs when making disclosures under subclauses 2.3.1, 2.4.21, 2.4.22, 2.5.1, and 2.5.2 of the Electricity Distribution Information Disclosure Determination 2012. Disclosures must be made available to the public within 5 months after the start of the disclosure year and a copy provided to the Commission within 5 working days of being disclosed to the public.

### ***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. Under no circumstances should the formulas in a calculated cell be overwritten.

### ***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 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 9c cell P30 will change colour if P30 (overhead circuit length by terrain) does not equal P18 (overhead circuit length by operating voltage).

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

### ***Inserting Additional Rows and Columns***

The templates for schedules 4, 5b, 5c, 5d, 5e, 5i, 6a, 8, 9d, and 9e may require additional rows to be inserted in tables marked 'include additional rows if needed' or similar.

Additional rows in schedules 5c, 5i, 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 76 and 79 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 67:74, copy, select Excel row 76, insert copied cells. Similarly, for table 5e(ii): Select Excel rows 70:77, copy, select Excel row 79, then insert copied cells.

The template for schedule 8 may require additional columns to be inserted. To avoid interfering with the title block entries, these should be inserted to the left of column S.

### ***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 subnetwork 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 1 October 2012). They provide a common reference between the rows in the determination and the template. Due to page formatting, the row reference sequences contained in the determination schedules are not necessarily contiguous.

### ***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–5i
3. Schedules 6a and 6b
4. Schedule 8
5. Schedule 3
6. Schedule 4
7. Schedule 2
8. Schedule 7
9. Schedules 9a–9e
10. Schedule 10

### ***Schedule 2: Report on Return on Investment***

The ROI calculations are performed in this template.

All suppliers must complete tables 2(i) Return on Investment and 2(ii) Information Supporting the ROI.

Only suppliers who meet either of the two thresholds set out in subclause 2.3.3 of the Gas Transmission Information Disclosure Determination 2012 need to complete table 2(iii) Information Supporting the Monthly ROI. We expect that most suppliers will generally not meet either threshold. You will need to work out if you met either threshold using your own tools (e.g. Excel) and do not need to disclose these calculations. If you met either threshold you will need to provide a breakdown of five cash flow items on a month by month basis, as well as your opening revenue related working capital. The definitions for these items are the same as for the rest of the schedules. The values for assets commissioned and asset disposals should relate to the RAB (not the unallocated RAB).

The Excel worksheet uses several calculated cells beyond the rightmost edge of the template to calculate the monthly ROIs.

The prior year comparison information in the table 2(i) columns labelled CY-1 and CY-2 should be completed by copying the results from the previous year's disclosure. The CY-1 and CY-2 columns do not need to be completed until the 2013 and 2014 disclosure years respectively.

### ***Schedule 8: Report on Billed Quantities and Line Charge Revenues***

This template should be completed in respect of each consumer groups or price category code (as applicable) that applied in the relevant disclosure year. The 'Average number of ICPs in disclosure year' column entries should be the arithmetic mean of monthly total ICPs (at month end).

**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.

sch ref

**7 1(i): Expenditure metrics**

	Expenditure per GWh energy delivered to ICPs (\$/GWh)	Expenditure per average no. of ICPs (\$/ICP)	Expenditure per MW maximum coincident system demand (\$/MW)	Expenditure per km circuit length (\$/km)	Expenditure per MVA of capacity from EDB-owned distribution transformers (\$/MVA)
<b>Operational expenditure</b>	11,753	172	51,129	6,114	20,962
Network	5,020	73	21,839	2,611	8,954
Non-network	6,733	98	29,290	3,502	12,008
<b>Expenditure on assets</b>	11,583	169	50,389	6,025	20,659
Network	11,377	166	49,491	5,918	20,290
Non-network	206	3	898	107	368

**17 1(ii): Revenue metrics**

	Revenue per GWh energy delivered to ICPs (\$/GWh)	Revenue per average no. of ICPs (\$/ICP)
<b>Total consumer line charge revenue</b>	66,477	971
Standard consumer line charge revenue	65,302	954
Non-standard consumer line charge revenue	1,175	17

**23 1(iii): Service intensity measures**

Demand density	120	Maximum coincident system demand per km circuit length (for supply) (kW/km)
Volume density	520	Total energy delivered to ICPs per km circuit length (for supply) (MWh/km)
Connection point density	36	Average number of ICPs per km circuit length (for supply) (ICPs/km)
Energy intensity	14,609	Total energy delivered to ICPs per Average number of ICPs (kWh/ICP)

**31 1(iv): Composition of regulatory income**

	(\$000)	% of revenue
Operational expenditure	28,298	17.61%
Pass-through and recoverable costs	60,090	37.38%
Total depreciation	26,060	16.21%
Total revaluation	4,742	2.95%
Regulatory tax allowance	12,325	7.67%
Regulatory profit/loss	38,703	24.08%
<b>Total regulatory income</b>	<b>160,734</b>	

**41 1(v): Reliability**

	Interruptions per 100 circuit km
Interruption rate	7.06

**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 11	31 Mar 12	31 Mar 13
		%	%	%
7	<b>2(i): Return on Investment</b>			
8				
9	<b>Post tax WACC</b>			
10	ROI—comparable to a post tax WACC		6.37%	6.01%
11				
12	Mid-point estimate of post tax WACC		6.40%	5.85%
13	25th percentile estimate		5.68%	5.13%
14	75th percentile estimate		7.11%	6.56%
15				
16				
17	<b>Vanilla WACC</b>			
18	ROI—comparable to a vanilla WACC		7.19%	6.79%
19				
20	Mid-point estimate of vanilla WACC		7.22%	6.62%
21	25th percentile estimate		6.51%	5.91%
22	75th percentile estimate		7.94%	7.34%
23				
24	<b>2(ii): Information Supporting the ROI</b>			
25				
26	Total opening RAB value	555,210		
27	plus Opening deferred tax	(14,644)		
28	Opening RIV		540,566	
29				
30	Operating surplus / (deficit)	72,346		
31	less Regulatory tax allowance	12,325		
32	less Assets commissioned	22,099		
33	plus Asset disposals	1		
34	<b>Notional net cash flows</b>		37,923	
35				
36	Total closing RAB value	555,990		
37	less Adjustment resulting from asset allocation	0		
38	less Lost and found assets adjustment	-		
39	plus Closing deferred tax	(17,901)		
40	<b>Closing RIV</b>		538,088	
41				
42	ROI—comparable to a vanilla WACC		0.0679	
43				
44	Leverage (%)		44%	
45	Cost of debt assumption (%)		6.31%	
46	Corporate tax rate (%)		28%	
47				
48	ROI—comparable to a post tax WACC		0.0601	

**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**

Cash flows		(\$000)					Notional net cash flows
		Total regulatory income	Expenses	Tax payments	Assets commissioned	Asset disposals	
56	April						-
57	May						-
58	June						-
59	July						-
60	August						-
61	September						-
62	October						-
63	November						-
64	December						-
65	January						-
66	February						-
67	March						-
68	<b>Total</b>						-

	Opening / closing RAB	Adjustment		Opening / closing deferred tax	Revenue related working capital	Total
		resulting from asset allocation	Lost and found assets adjustment			
74	Monthly ROI - opening RIV	555,210		(14,644)		540,566
75	Monthly ROI -closing RIV	555,990	0	(17,901)		538,088
76	Monthly ROI -closing RIV less term credit spread differential allowance					538,088
77	<b>Monthly ROI—comparable to a vanilla WACC</b>					(0.00)
78	<b>Monthly ROI—comparable to a post-tax WACC</b>					(0.01)

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

84	Year-end ROI—comparable to a vanilla WACC	0.07
85	Year-end ROI—comparable to a post-tax WACC	0.06

\* 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.

### 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 3(i), 3(iv) and 3(v) and must provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).

Non-exempt EDBs must also complete sections 3(ii) and 3(iii).

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

sch ref

sch ref		(\$000)
7	<b>3(i): Regulatory Profit</b>	
8	<b>Income</b>	
9	Line charge revenue	160,056
10	plus Gains / (losses) on asset disposals	-
11	plus Other regulated income (other than gains / (losses) on asset disposals)	678
12		
13	<b>Total regulatory income</b>	<b>160,734</b>
14	<b>Expenses</b>	
15	less Operational expenditure	28,298
17	less Pass-through and recoverable costs	60,090
18		
19	<b>Operating surplus / (deficit)</b>	<b>72,346</b>
20		
21	less Total depreciation	26,060
22		
23	plus Total revaluation	4,742
24		
25	<b>Regulatory profit / (loss) before tax &amp; term credit spread differential allowance</b>	<b>51,028</b>
26		
27	less Term credit spread differential allowance	-
28		
29	<b>Regulatory profit / (loss) before tax</b>	<b>51,028</b>
30		
31	less Regulatory tax allowance	12,325
32		
33	<b>Regulatory profit / (loss)</b>	<b>38,703</b>
34		
35	<b>3(ii): Pass-Through and Recoverable Costs</b>	(\$000)
36	<b>Pass-through costs</b>	
37	Rates	2,100
38	Commerce Act levies	142
39	Electricity Authority levies	378
40	Other specified pass-through costs	-
41	<b>Recoverable costs</b>	
42	Net recoverable costs allowed under incremental rolling incentive scheme	-
43	Non-exempt EDB electricity lines service charge payable to Transpower	55,998
44	Transpower new investment contract charges	1,288
45	System operator services	-
46	Avoided transmission charge	185
47	Input Methodology claw-back	-
48	Recoverable customised price-quality path costs	-
49	<b>Pass-through and recoverable costs</b>	<b>60,090</b>



**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 3(i), 3(iv) and 3(v) and must provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).

Non-exempt EDBs must also complete sections 3(ii) and 3(iii).

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 March 2012	31 March 2013
57	<b>3(iii): Incremental Rolling Incentive Scheme</b>		
58			
59			
60	Allowed controllable opex		
61	Actual controllable opex		
62			
63	Incremental change in year		
64			
		Previous years' incremental change	Previous years' incremental change adjusted for inflation
65			
66	CY-5 31 Mar 08		
67	CY-4 31 Mar 09		
68	CY-3 31 Mar 10		
69	CY-2 31 Mar 11		
70	CY-1 31 Mar 12		
71	<b>Net incremental rolling incentive scheme</b>		-
72			
73	<b>Net recoverable costs allowed under incremental rolling incentive scheme</b>		-
74	<b>3(iv): Merger and Acquisition Expenditure</b>		
75	Merger and acquisition expenses		
76			
77	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)		
78	<b>3(v): Other Disclosures</b>		
79	Self-insurance allowance		

**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

	RAB CY-4 (\$000)	RAB CY-3 (\$000)	RAB CY-2 (\$000)	RAB CY-1 (\$000)	RAB CY (\$000)
<b>4(i): Regulatory Asset Base Value (Rolled Forward)</b>					
Total opening RAB value		528,459	550,586	558,495	555,210
less Total depreciation	-	23,245	27,391	28,041	26,060
plus Total revaluations	-	10,810	13,311	8,769	4,742
plus Assets commissioned	-	34,579	21,185	15,692	22,099
less Asset disposals	-	17	-	-	1
plus Lost and found assets adjustment	-	-	804	295	-
plus Adjustment resulting from asset allocation	-	-	-	-	0
Total closing RAB value	528,459	550,586	558,495	555,210	555,990

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
<b>4(ii): Unallocated Regulatory Asset Base</b>				
Total opening RAB value		555,210		555,210
less Total depreciation		26,060		26,060
plus Total revaluations		4,742		4,742
plus Assets commissioned (other than below)	22,099		22,099	
Assets acquired from a regulated supplier	-		-	
Assets acquired from a related party	-		-	
Assets commissioned		22,099		22,099
less Asset disposals (other than below)	1		1	
Asset disposals to a regulated supplier	-		-	
Asset disposals to a related party	-		-	
Asset disposals		1		1
plus Lost and found assets adjustment		-		-
plus Adjustment resulting from asset allocation				0
Total closing RAB value		555,990		555,990

\* 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 non-regulated services. The RAB value represents the value of these assets after applying this cost allocation. Neither value includes works under construction.

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

58					
59					
60					1,174
61	CPI <sub>t</sub>				1,164
62	Revaluation rate (%)				0.86%

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
66	Total opening RAB value	555,210	555,210	
67	less Opening RAB value of fully depreciated, disposed and lost assets	3,282	3,282	
69	Total opening RAB value subject to revaluation	551,928	551,928	
70	<b>Total revaluations</b>		4,742	4,742

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

	Unallocated works under construction		Allocated works under construction	
74	<b>Works under construction—preceding disclosure year</b>		21,018	21,018
75	plus Capital expenditure	23,397	23,397	
76	less Assets commissioned	22,099	22,099	
77	plus Adjustment resulting from asset allocation			
78	<b>Works under construction - current disclosure year</b>		22,316	22,316
80	Highest rate of capitalised finance applied			6.56%

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

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

sch ref

**4(v): Regulatory Depreciation**

	Unallocated RAB *		RAB	
	(\$000)	(\$000)	(\$000)	(\$000)
Depreciation - standard	21,365		21,365	
Depreciation - no standard life assets	4,695		4,695	
Depreciation - modified life assets				
Depreciation - alternative depreciation in accordance with CPP				
<b>Total depreciation</b>		26,060		26,060

**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

\* 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 substations and transformers	Distribution switchgear	Other network assets	Non-network assets	Total
<b>Total opening RAB value</b>	2,251	53,762	37,685	107,924	224,204	69,874	35,220	7,900	16,389	555,210
less Total depreciation	136	3,159	1,760	2,865	8,344	2,516	1,872	342	5,065	26,060
plus Total revaluations	19	462	323	927	1,925	600	302	68	115	4,742
plus Assets commissioned	-	67	3,873	7,198	4,459	4,793	605	762	343	22,099
less Asset disposals	-	-	-	-	-	-	-	-	1	1
plus Lost and found assets adjustment	-	-	-	-	-	-	-	-	-	-
plus Adjustment resulting from asset allocation	-	-	-	-	-	-	-	-	-	-
plus Asset category transfers	-	-	-	-	-	-	-	-	-	-
<b>Total closing RAB value</b>	2,134	51,131	40,122	113,184	222,244	72,751	34,255	8,388	11,781	555,990
<b>Asset Life</b>										
Weighted average remaining asset life	17	17	21	38	27	28	19	23	3	(years)
Weighted average expected total asset life	49	59	44	53	57	54	41	37	5	(years)

**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 2.8.

sch ref

		(\$000)
7	<b>5a(i): Regulatory Tax Allowance</b>	
8	<b>Regulatory profit / (loss) before tax</b>	51,028
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	168
12	Amortisation of initial differences in asset values	6,457
13	Amortisation of revaluations	1,375
14		7,999
15		
16	<i>less</i> Income included in regulatory profit / (loss) before tax but not taxable	-
17	Discretionary discounts and consumer rebates	-
18	Expenditure or loss deductible but not in regulatory profit / (loss) before tax**	-
19	Notional deductible interest	15,008
20		15,008
21		
22	<b>Regulatory taxable income</b>	44,019
23		
24	<i>less</i> Utilised tax losses	-
25	Regulatory net taxable income	44,019
26		
27	Corporate tax rate (%)	28%
28	<b>Regulatory tax allowance</b>	12,325
29		
30	* Workings to be provided in Schedule 14	
31	** Excluding discretionary discounts and consumer rebates	
32	<b>5a(ii): Disclosure of Permanent Differences</b>	
33	In Schedule 14, Box 5, provide descriptions and workings of items recorded in the asterisked categories in Schedule 5a(i).	
34	<b>5a(iii): Amortisation of Initial Difference in Asset Values</b>	(\$000)
35		
36	Opening unamortised initial differences in asset values	137,562
37	Amortisation of initial differences in asset values	6,457
38	Adjustment for unamortised initial differences in assets acquired	-
39	Adjustment for unamortised initial differences in assets disposed	-
40	Closing unamortised initial differences in asset values	131,105
41		
42	Opening weighted average remaining asset life (years)	21
43	<b>5a(iv): Amortisation of Revaluations</b>	(\$000)
44		
45	Opening Sum of RAB values without revaluations	523,719
46		
47	Adjusted depreciation	24,685
48	Total depreciation	26,060
49	Amortisation of revaluations	1,375

**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 2.8.

sch ref

57	<b>5a(v): Reconciliation of Tax Losses</b>		(\$000)
58			
59	Opening tax losses	-	
60	plus Current period tax losses	-	
61	less Utilised tax losses	-	
62	Closing tax losses		-
63	<b>5a(vi): Calculation of Deferred Tax Balance</b>		(\$000)
64			
65	Opening deferred tax	(14,644)	
66			
67	plus Tax effect of adjusted depreciation	6,912	
68			
69	less Tax effect of total tax depreciation	8,421	
70			
71	plus Tax effect of other temporary differences*	60	
72			
73	less Tax effect of amortisation of initial differences in asset values	1,808	
74			
75	plus Deferred tax balance relating to assets acquired in the disclosure year		
76			
77	less Deferred tax balance relating to assets disposed in the disclosure year	-	
78			
79	plus Deferred tax cost allocation adjustment	-	
80			
81	Closing deferred tax		(17,901)
82			
83	<b>5a(vii): Disclosure of Temporary Differences</b>		
84	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).		
85			
86	<b>5a(viii): Regulatory Tax Asset Base Roll-Forward</b>		(\$000)
87			
88	Opening sum of regulatory tax asset values	353,718	
89	less Tax depreciation	30,075	
90	plus Regulatory tax asset value of assets commissioned	22,243	
91	less Regulatory tax asset value of asset disposals		
92	plus Lost and found assets adjustment	-	
93	plus Other adjustments to the RAB tax value	-	
94	Closing sum of regulatory tax asset values		345,887

Company Name **Wellington Electricity Lines Limited**  
 For Year Ended **31 March 2013**

**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.

sch ref

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

	(\$000)
Total regulatory income	
Operational expenditure	13,249
Capital expenditure	
Market value of asset disposals	
Other related party transactions	

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

Name of related party	Related party relationship
International Infrastructure Services Company Limited - NZ Branch (IISC)	Same ultimate controlling party Cheung Kong Infrastructure Holdings Limited
CHED Services Pty Limited	Same ultimate controlling party Cheung Kong Infrastructure Holdings Limited
Cheung Kong Infrastructure Holdings Limited	Ultimate controlling party
Power Assets Investments Limited	Ultimate controlling party

\* 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
International Infrastructure Services Company Limited - NZ Branch	Opex	Back office and IT support services	11,757	Electricity Distribution Information Disclosure Determination 2012, clause 2.3.6(1)(f) Directors Certification
International Infrastructure Services Company Limited - NZ Branch	Opex	System operations	996	Electricity Distribution Information Disclosure Determination 2012, clause 2.3.6(1) (c) Price paid
CHED Services Pty Limited	Opex	Advertising service	21	Electricity Distribution Information Disclosure Determination 2012, clause 2.3.6(1) (c) Price paid
Cheung Kong Infrastructure Holdings Limited	Opex	Software license	51	Electricity Distribution Information Disclosure Determination 2012, clause 2.3.6(1)(f) Directors Certification
Cheung Kong Infrastructure Holdings Limited	Opex	Professional fees and Directors expenses	339	Electricity Distribution Information Disclosure Determination 2012, clause 2.3.6(1)(f) Directors Certification
Power Assets Investments Limited	Opex	Professional fees	85	Electricity Distribution Information Disclosure Determination 2012, clause 2.3.6(1)(f) Directors Certification

\* include additional rows if needed

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

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

*sch ref*

7			
8	<b>5c(i): Qualifying Debt (may be Commission only)</b>		
17			
18	<b>5c(ii): Attribution of Term Credit Spread Differential</b>		
19			
20	Gross term credit spread differential		(72)
21			
22	Total book value of interest bearing debt	729,500	
23	Leverage	44%	
24	Average opening and closing RAB values	555,600	
25	Attribution Rate (%)		34%
26			
27	Term credit spread differential allowance		-



**SCHEDULE 5d: REPORT ON COST ALLOCATIONS**

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

*sch ref*

		Value allocated (\$000s)			
		Arm's length deduction	Electricity distribution services	Non-electricity distribution services	OVABAA allocation increase (\$000s)
7	<b>5d(i): Operating Cost Allocations</b>				
8					
9					
10	<b>Service interruptions and emergencies</b>				
11	Directly attributable		3,093		
12	Not directly attributable				-
13	<b>Total attributable to regulated service</b>		3,093		
14	<b>Vegetation management</b>				
15	Directly attributable		-		
16	Not directly attributable				-
17	<b>Total attributable to regulated service</b>		-		
18	<b>Routine and corrective maintenance and inspection</b>				
19	Directly attributable		8,380		
20	Not directly attributable				-
21	<b>Total attributable to regulated service</b>		8,380		
22	<b>Asset replacement and renewal</b>				
23	Directly attributable		614		
24	Not directly attributable				-
25	<b>Total attributable to regulated service</b>		614		
26	<b>System operations and network support</b>				
27	Directly attributable		3,617		
28	Not directly attributable				-
29	<b>Total attributable to regulated service</b>		3,617		
30	<b>Business support</b>				
31	Directly attributable		12,594		
32	Not directly attributable				-
33	<b>Total attributable to regulated service</b>		12,594		
34					
35	<b>Operating costs directly attributable</b>		28,298		
36	<b>Operating costs not directly attributable</b>				-
37	<b>Operating expenditure</b>		28,298		

**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

45	<b>5d(ii): Other Cost Allocations</b>		
46	<b>Pass through and recoverable costs</b>		
47	<b>Pass through costs</b>		
48	Directly attributable		2,619
49	Not directly attributable		
50	<b>Total attributable to regulated service</b>		2,619
51	<b>Recoverable costs</b>		
52	Directly attributable		57,470
53	Not directly attributable		
54	<b>Total attributable to regulated service</b>		57,470

		(\$000)	
		CY-1	Current Year (CY)
		31 Mar 12	31 Mar 13
56	<b>5d(iii): Changes in Cost Allocations* †</b>		
57			
58	<b>Change in cost allocation 1</b>		
59	Cost category		
60	Original allocator or line items		
61	New allocator or line items		
62			
63	Rationale for change		
64			
65			
66	<b>Change in cost allocation 2</b>		
67	Cost category		
68	Original allocator or line items		
69	New allocator or line items		
70			
71	Rationale for change		
72			
73			
74	<b>Change in cost allocation 3</b>		
75	Cost category		
76	Original allocator or line items		
77	New allocator or line items		
78			
79	Rationale for change		
80			

\* 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

**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
7		
8		
9		
10	<b>Subtransmission lines</b>	
11	Directly attributable	2,134
12	Not directly attributable	
13	<b>Total attributable to regulated service</b>	2,134
14	<b>Subtransmission cables</b>	
15	Directly attributable	51,131
16	Not directly attributable	
17	<b>Total attributable to regulated service</b>	51,131
18	<b>Zone substations</b>	
19	Directly attributable	40,122
20	Not directly attributable	
21	<b>Total attributable to regulated service</b>	40,122
22	<b>Distribution and LV lines</b>	
23	Directly attributable	113,184
24	Not directly attributable	
25	<b>Total attributable to regulated service</b>	113,184
26	<b>Distribution and LV cables</b>	
27	Directly attributable	222,244
28	Not directly attributable	
29	<b>Total attributable to regulated service</b>	222,244
30	<b>Distribution substations and transformers</b>	
31	Directly attributable	72,751
32	Not directly attributable	
33	<b>Total attributable to regulated service</b>	72,751
34	<b>Distribution switchgear</b>	
35	Directly attributable	34,255
36	Not directly attributable	
37	<b>Total attributable to regulated service</b>	34,255
38	<b>Other network assets</b>	
39	Directly attributable	8,388
40	Not directly attributable	
41	<b>Total attributable to regulated service</b>	8,388
42	<b>Non-network assets</b>	
43	Directly attributable	11,781
44	Not directly attributable	
45	<b>Total attributable to regulated service</b>	11,781
46		
47	Regulated service asset value directly attributable	555,990
48	Regulated service asset value not directly attributable	-
49	<b>Total closing RAB value</b>	555,990

5e(ii): Changes in Asset Allocations* †		(\$000)	
		CY-1 31 Mar 12	Current Year (CY) 31 Mar 13
57			
58			
59			
60	<b>Change in asset value allocation 1</b>		
61	Asset category		
62	Original allocator or line items		
63	New allocator or line items		
64			
65	Rationale for change		
66			
67			
68	<b>Change in asset value allocation 2</b>		
69	Asset category		
70	Original allocator or line items		
71	New allocator or line items		
72			
73	Rationale for change		
74			
75			
76			
77	<b>Change in asset value allocation 3</b>		
78	Asset category		
79	Original allocator or line items		
80	New allocator or line items		
81			
82	Rationale for change		
83			
84			

\* 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

**SCHEDULE 5h: REPORT ON TRANSITIONAL FINANCIAL INFORMATION**

- This schedule requires information on:
- the calculation of the initial RAB value for the EDB, as of 31 March 2009;
  - how the initial RAB value has been rolled forward to 31 March 2011;
  - a summary of revaluations,
  - the value of works under construction, and
  - regulatory tax.

EDBs must complete this schedule in relation to the year ending 31 March 2012, and at that time must provide explanatory comment in Schedule 14b (Explanatory Notes on Transitional Financial Information) on the tax effect of temporary differences disclosed in part 5h(vii) of this schedule.

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>Regulatory Asset Base Value</b>		Unallocated Initial RAB	
		(\$000)	(\$000)
8 <b>5h(i): Establishment of Initial Regulatory Asset Base Value</b>			
11	2009 disclosed assets - 'Total Regulatory Asset Base Value (Excluding FDC)' as of 31 March 2009		456,790
12	2009 modified asset values (adjusted for results of asset adjustment process)		515,953
14	Adjustment to reinstate 2009 modified asset values to unallocated amounts		
15	<b>Unallocated 2009 modified asset values</b>		515,953
17	<i>less (to the extent included in row 13)</i>		
18	Assets not used to supply electricity distribution services		
19	Easement land		
20	Non-qualifying intangible assets		
21	Works under construction		
22	<b>Unallocated asset values excluded from unallocated 2009 modified asset values</b>		-
24	<i>plus</i> FDC allowance of 2.45% (Network assets)		12,506
26	<b>Unallocated initial RAB values</b>		528,459
28 <b>5h(ii): Roll forward of Unallocated Regulatory Asset Base Value - 2010, 2011 and 2012</b>			
		2010	2011
		(\$000)	(\$000)
31	<b>Total opening RAB value</b>	528,459	550,586
32	<i>less</i>		
33	<b>Total depreciation</b>	23,245	27,391
34	<i>plus</i>		
35	<b>Total revaluations</b>	10,810	13,311
36	<i>plus</i>		
37	Assets commissioned (other than below)	20,061	20,131
38	Assets acquired from a regulated supplier		
39	Assets acquired from a related party	14,518	1,054
40	<b>Assets commissioned</b>	34,579	21,185
41	<i>less</i>		
42	Asset disposals (other than below)	17	
43	Assets disposed of to a regulated supplier		
44	Assets disposed of to a related party		
45	<b>Asset disposals</b>	17	-
46	<i>plus</i>		
47	Lost and found assets adjustment		804
48			295
49	<b>Total closing RAB value</b>	550,586	558,495
50			555,210
58 <b>5h(iii): Calculation of Revaluation Rate and Indexed Revaluation</b>			
		(\$000 unless otherwise specified)	
		2010	2011
60	CPI at CPI reference date—preceding disclosure year	1,097	1,119
61	CPI at CPI reference date—current disclosure year	1,119	1,146
62			
63	Revaluation rate (%)	2.05%	2.42%
64			
65			
66	Total opening RAB value	528,459	550,586
67	<i>less</i> Opening RAB value of fully depreciated, disposed and lost assets	232	156
68			
69	Total opening RAB value subject to revaluation	528,227	550,430
70	<b>Total revaluations</b>	10,810	13,311
71			8,768
72 <b>5h(iv): Works Under Construction</b>			
		Unallocated works under construction	
		Allocated works under construction	
74	<b>Works under construction—year ended 2009</b>	20,391	20,391
75	<i>plus</i> Capital expenditure—year ended 2010	28,863	28,863
76	<i>less</i> Assets commissioned—year ended 2010	34,579	34,579
77	<i>plus</i> Adjustment resulting from asset allocation—year ended 2010		
78	<b>Works under construction—year ended 2010</b>	14,675	14,675
79	<i>plus</i> Capital expenditure—year ended 2011	23,901	23,901
80	<i>less</i> Assets commissioned—year ended 2011	21,185	21,185
81	<i>plus</i> Adjustment resulting from asset allocation—year ended 2011		
82	<b>Works under construction—year ended 2011</b>	17,392	17,392
83	<i>plus</i> Capital expenditure—year ended 2012	19,318	19,318
84	<i>less</i> Assets commissioned—year ended 2012	15,692	15,692
85	<i>plus</i> Adjustment resulting from asset allocation—year ended 2012		
86	<b>Works under construction—year ended 2012</b>	21,018	21,018
87			

**SCHEDULE 5h: REPORT ON TRANSITIONAL FINANCIAL INFORMATION**

This schedule requires information on:

- the calculation of the initial RAB value for the EDB, as of 31 March 2009;
- how the initial RAB value has been rolled forward to 31 March 2011;
- a summary of revaluations,
- the value of works under construction, and
- regulatory tax.

EDBs must complete this schedule in relation to the year ending 31 March 2012, and at that time must provide explanatory comment in Schedule 14b (Explanatory Notes on Transitional Financial Information) on the tax effect of temporary differences disclosed in part 5h(vii) of this schedule.

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)		
88				
89	<b>5h(v): Initial Difference in Asset Values and Amortisation</b>	<b>2010</b>		
90	Sum of initial RAB values	528,459		
91	Sum of regulatory tax asset values	369,030		
92	<b>Sum of initial differences in asset values</b>	<b>159,429</b>		
93				
94		<b>2010</b>	<b>2011</b>	<b>2012</b>
95	Opening unamortised initial differences in asset values	159,429	152,416	144,834
96	<i>less</i> Amortisation of initial difference in asset values	7,012	7,583	7,272
97	Adjustment for unamortised initial differences in assets acquired	-	-	-
98	Adjustment for unamortised initial differences in assets disposed	-	-	-
99	<b>Closing unamortised initial differences in asset values</b>	<b>152,416</b>	<b>144,834</b>	<b>137,562</b>
100				
101	Opening weighted average remaining asset life (years)	23	20	20
102				
109	<b>5h(vi): Reconciliation of Tax Losses (EDB Business)</b>	<b>2010</b>		
110	Opening tax losses	-	-	-
111	<i>plus</i> Current period tax losses	-	-	-
112	<i>less</i> Utilised tax losses	-	-	-
113	<b>Closing tax losses</b>	<b>-</b>	<b>-</b>	<b>-</b>
114				
115	<b>5h(vii): Calculation of Deferred Tax Balance</b>	<b>2010</b>		
116	Opening deferred tax	-	(5,544)	(10,955)
117				
118	<i>plus</i> Tax effect of adjusted depreciation	6,974	8,079	7,574
119				
120	<i>plus</i> Tax effect of total tax depreciation	(10,347)	(11,289)	(9,222)
121				
122	<i>plus</i> Tax effect of other temporary differences *	(67)	74	(6)
123				
124	<i>less</i> Tax effect of amortisation of initial differences in asset values	2,104	2,275	2,036
125				
126	<i>plus</i> Deferred tax balance relating to assets acquired in the disclosure year	-	-	-
127				
128	<i>plus</i> Deferred tax cost allocation adjustment	-	-	-
129				
130	<b>Closing deferred tax</b>	<b>(5,544)</b>	<b>(10,955)</b>	<b>(14,644)</b>
131	<b>5h(viii): Disclosure of Temporary Differences</b>			
132	In Schedule 14, provide descriptions and workings of items recorded in the asterisked category in Schedule 5h(vii) (Tax effect of other temporary differences).			
133	<b>5h(ix): Regulatory Tax Asset Base Roll-Forward</b>	<b>(\$000)</b>		
134	Sum of unallocated initial RAB values	528,459		
135	Sum of adjusted tax values	369,030		
136	Sum of tax asset values	369,030		
137	Result of asset allocation ratio	1		
138	<b>Opening Sum of regulatory tax asset values</b>	<b>369,030</b>	<b>371,060</b>	<b>369,277</b>
139	<i>less</i> Regulatory tax depreciation	34,488	37,629	32,936
140	<i>plus</i> Regulatory tax asset value of assets commissioned	36,535	35,846	17,378
141	<i>less</i> Regulatory tax asset value of asset disposals	17		
142	<i>plus</i> Lost and found assets adjustment	-		
143	<i>plus</i> Other adjustments to the RAB tax value	-		
144	<b>Closing sum of regulatory tax asset values</b>	<b>371,060</b>	<b>369,277</b>	<b>353,718</b>

Company Name **Wellington Electricity Lines Limited**

For Year Ended **31 March 2013**

**SCHEDULE 5i: REPORT ON INITIAL RAB ADJUSTMENT**

Under clause 2.2.1 of the IM determination an EDB may undertake an asset adjustment process in setting their initial RAB.

If the EDB has adjusted its RAB in accordance with clause 2.2.1 of the IM determination, it must complete this schedule when disclosing information relating to the year ending 31 March 2012.

sch ref

7	<b>Summary of Engineer's Valuation Adjustments (at time asset enters regulatory asset register)</b>						
8		2004 *	2005	2006	2007	2008	2009
9	<b>Asset adjustment process - adjustments</b>	<b>(\$000)</b>	<b>(\$000)</b>	<b>(\$000)</b>	<b>(\$000)</b>	<b>(\$000)</b>	<b>(\$000)</b>
10	Include load control relays						
11							
12	<b>Correct asset register errors for 2004 ODV assets</b>						
13	Missing substation assets	373					
14	Missing termination Structures	708					
15	Depreciation correction	743					
16		1,824					
17	<b>Correct asset register errors for 2005 – 2009 assets</b>						
18	Intellectual property						4,915
19	Transfer of assets in service from work in progress						15,234
20	[Insert details of asset or similar asset type]						
21							
22	<b>Re-apply an existing multiplier to 2004 ODV assets</b>						
23	Error in Mana 6 CBD Classification	31					
24	Rugged Multiplier Update	138					
25	[Insert details of asset or similar asset type]						
26		169					
27	<b>Re-apply a modified multiplier to 2004 ODV assets</b>						
28	Wellington City CBD multiplier to 2.5	83					
29	Dense urban subtransmission CBD multiplier @ 2.2	4,551					
	Dense urban distribution CBD multiplier @ 1.8	26,795					
	Wellington City The Terrace multiplier	550					
	Frederick & Moore Street CBD multiplier	2,720					
30	Nairn and University CBD multiplier	1,221					
31		35,920					
32	<b>Re-apply optimisation or EV tests to 2004 ODV assets</b>						
33	Zone substations optimisation	178					
34	33kV Optimisation	1,247					
35	11kV Optimisation	128					
36		1,553					
37							
38	<b>Total value of adjustments by disclosure year</b>	<b>39,466</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>20,149</b>

\* Includes assets which first entered the regulatory asset register in a disclosure year prior to 2004.

Company Name **Wellington Electricity Lines Limited**

For Year Ended **31 March 2013**

**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		5,033
9	System growth		3,720
10	Asset replacement and renewal		16,853
11	Asset relocations		952
12	Reliability, safety and environment:		
13	Quality of supply	833	
14	Legislative and regulatory	-	
15	Other reliability, safety and environment	-	
16	<b>Total reliability, safety and environment</b>		833
17	<b>Expenditure on network assets</b>		27,392
18	Non-network assets		497
19			
20	<b>Expenditure on assets</b>		27,889
21	plus Cost of financing		345
22	less Value of capital contributions		4,838
23	plus Value of vested assets		-
24			
25	<b>Capital expenditure</b>		23,397
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		-
29	Research and development		-
30	<b>6a(iii): Consumer Connection</b>		
31	<i>Consumer types defined by EDB*</i>	(\$000)	(\$000)
32	Total Consumer Connection	5,033	
33	[EDB consumer type]		
34	[EDB consumer type]		
35	[EDB consumer type]		
36	[EDB consumer type]		
37	* include additional rows if needed		
38	<b>Consumer connection expenditure</b>		5,033
39			
40	less Capital contributions funding consumer connection expenditure	3,807	
41	<b>Consumer connection less capital contributions</b>		1,226
42	<b>6a(iv): System Growth and Asset Replacement and Renewal</b>		
43		System Growth	Asset Replacement and Renewal
44		(\$000)	(\$000)
45	Subtransmission	-	-
46	Zone substations	-	-
47	Distribution and LV lines	-	-
48	Distribution and LV cables	-	-
49	Distribution substations and transformers	-	-
50	Distribution switchgear	-	-
51	Other network assets	3,720	16,853
52	<b>System growth and asset replacement and renewal expenditure</b>	3,720	16,853
53	less Capital contributions funding system growth and asset replacement and renewal	-	143
54	<b>System growth and asset replacement and renewal less capital contributions</b>	3,720	16,710
55			
56	<b>6a(v): Asset Relocations</b>		
57	<i>Project or programme*</i>	(\$000)	(\$000)
58	Total Asset Relocations	952	
59	[Description of material project or programme]		
60	[Description of material project or programme]		
61	[Description of material project or programme]		
62	[Description of material project or programme]		
63	* include additional rows if needed		
64	All other asset relocations projects or programmes	-	
65	<b>Asset relocations expenditure</b>		952
66	less Capital contributions funding asset relocations	888	
67	<b>Asset relocations less capital contributions</b>		65

**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

75	<b>6a(vi): Quality of Supply</b>			
76	Project or programme*		(\$000)	(\$000)
77	Total Quality of Supply		833	
78	[Description of material project or programme]		-	
79	[Description of material project or programme]		-	
80	[Description of material project or programme]		-	
81	[Description of material project or programme]		-	
82	* include additional rows if needed			
83	All other quality of supply projects or programmes		-	
84	<b>Quality of supply expenditure</b>			833
85	less Capital contributions funding quality of supply		-	
86	<b>Quality of supply less capital contributions</b>			833
87	<b>6a(vii): Legislative and Regulatory</b>			
88	Project or programme*		(\$000)	(\$000)
89	[Description of material project or programme]		-	
90	[Description of material project or programme]		-	
91	[Description of material project or programme]		-	
92	[Description of material project or programme]		-	
93	[Description of material project or programme]		-	
94	* include additional rows if needed			
95	All other legislative and regulatory projects or programmes		-	
96	<b>Legislative and regulatory expenditure</b>			-
97	less Capital contributions funding legislative and regulatory		-	
98	<b>Legislative and regulatory less capital contributions</b>			-
99	<b>6a(viii): Other Reliability, Safety and Environment</b>			
100	Project or programme*		(\$000)	(\$000)
101	[Description of material project or programme]		-	
102	[Description of material project or programme]		-	
103	[Description of material project or programme]		-	
104	[Description of material project or programme]		-	
105	[Description of material project or programme]		-	
106	* include additional rows if needed			
107	All other reliability, safety and environment projects or programmes		-	
108	<b>Other reliability, safety and environment expenditure</b>			-
109	less Capital contributions funding other reliability, safety and environment		-	
110	<b>Other reliability, safety and environment less capital contributions</b>			-
111				
112	<b>6a(ix): Non-Network Assets</b>			
113	<b>Routine expenditure</b>			
114	Project or programme*		(\$000)	(\$000)
115	Total Non-Network Assets		497	
116	[Description of material project or programme]		-	
117	[Description of material project or programme]		-	
118	[Description of material project or programme]		-	
119	[Description of material project or programme]		-	
120	* include additional rows if needed			
121	All other routine expenditure projects or programmes		-	
122	<b>Routine expenditure</b>			497
123	<b>Atypical expenditure</b>			
124	Project or programme*		(\$000)	(\$000)
125	[Description of material project or programme]		-	
126	[Description of material project or programme]		-	
127	[Description of material project or programme]		-	
128	[Description of material project or programme]		-	
129	[Description of material project or programme]		-	
130	* include additional rows if needed			
131	All other atypical expenditure projects or programmes		-	
132	<b>Atypical expenditure</b>			-
133	<b>Non-network assets expenditure</b>			497
134				



Company Name

Wellington Electricity Lines Limited

For Year Ended

31 March 2013

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

This schedule requires a breakdown of operating 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 operating 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	3,093	
9	Vegetation management		
10	Routine and corrective maintenance and inspection	8,380	
11	Asset replacement and renewal	614	
12	<b>Network opex</b>		12,087
13	System operations and network support	3,617	
14	Business support	12,594	
15	<b>Non-network opex</b>		16,211
16			
17	<b>Operational expenditure</b>		28,298
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		1,072
23	* Direct billing expenditure by suppliers that directly bill the majority of their consumers		

## 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	159,908	160,056	0%
7(ii): Expenditure on Assets		Forecast (\$000) <sup>2</sup>	Actual (\$000)	% variance
9				
10	Consumer connection	5,502	5,033	(9%)
11	System growth	5,757	3,720	(35%)
12	Asset replacement and renewal	15,050	16,853	12%
13	Asset relocations	789	952	21%
14	Reliability, safety and environment:			
15	Quality of supply	653	833	28%
16	Legislative and regulatory		-	-
17	Other reliability, safety and environment		-	-
18	<b>Total reliability, safety and environment</b>	<b>653</b>	<b>833</b>	<b>28%</b>
19	<b>Expenditure on network assets</b>	<b>27,751</b>	<b>27,392</b>	<b>(1%)</b>
20	Non-network capex		497	-
21	<b>Expenditure on assets</b>	<b>27,751</b>	<b>27,889</b>	<b>0%</b>
7(iii): Operational Expenditure				
22				
23	Service interruptions and emergencies	5,628	3,093	(45%)
24	Vegetation management		-	-
25	Routine and corrective maintenance and inspection	5,226	8,380	60%
26	Asset replacement and renewal	600	614	2%
27	<b>Network opex</b>	<b>11,454</b>	<b>12,087</b>	<b>6%</b>
28	System operations and network support		3,617	-
29	Business support		12,594	-
30	<b>Non-network opex</b>	<b>-</b>	<b>16,211</b>	<b>-</b>
31	<b>Operational expenditure</b>	<b>11,454</b>	<b>28,298</b>	<b>147%</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		-	-
35	Research and development		-	-
36				
7(v): Subcomponents of Operational Expenditure (where known)				
37				
38	Energy efficiency and demand side management, reduction of energy losses		-	-
39	Direct billing		-	-
40	Research and development		-	-
41	Insurance		1,072	-
42				

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

2 From the nominal dollar expenditure forecast and disclosed in the second to last AMP as the year CY+1 forecast

**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 ED8 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)	Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	Billed quantities by price component									
						Fixed Charge (FIXD) day	Demand (DAMD) kVA/month	Capacity Charge (CAPY) kVA/day	On-Pk Demand Chg (DOPC) kW/mth	Pwr Factor Charge (PWRP) kVAr/mth	Uncontrolled /Var Chg (24 UC) kWh	Night Charge (NITE) kWh	Controlled Charge (CTRL) kWh	All Inclusive Charge (AICO) kWh	Individual Contracts (IC) ea
G100, G101, G102, G103, Rates	Domestic	Standard	147,498	1,094,404	-	53,779,539	-	-	-	-	229,677,962	20,901,208	20,839,224	822,985,238	-
GV30, GX30	Large Commercial	Standard	342	121,321	-	125,097	-	-	-	-	121,110,944	-	-	209,927	-
GC60, GR60, GU60	Large Industrial	Standard	36	161,704	-	13,231	-	1,076,491	410,938	36,246	161,704,470	-	-	-	-
GV14, GX14	Medium Commercial	Standard	399	61,026	-	144,786	-	-	-	-	61,026,325	-	-	-	-
GV02, GV07, GX07	Small Commercial	Standard	15,569	399,541	-	5,636,665	-	-	-	-	399,541,190	-	-	-	-
GV99, GX99	Small Industrial	Standard	523	506,380	-	189,685	1,520,481	1,982,158	-	-	506,380,110	-	-	-	-
G001, G002	Un-metered	Standard	422	22,487	-	15,728,550	-	-	-	-	22,486,754	-	-	396	-
Individual Contracts	Individual Contracts	Non-standard	15	40,809	-	-	-	-	-	-	-	-	-	40,808,837	-
	[Select one]				-	-	-	-	-	-	-	-	-	-	-
	[Select one]				-	-	-	-	-	-	-	-	-	-	-
Add extra rows for additional consumer groups or price category codes as necessary						-	-	-	-	-	-	-	-	-	-
Standard consumer totals			164,789	2,366,864	-	75,617,553	1,520,481	3,058,649	410,938	36,246	1,501,927,755	20,901,208	20,839,224	823,195,561	-
Non-standard consumer totals			15	40,809	-	-	-	-	-	-	-	-	-	40,808,837	-
Total for all consumers			164,804	2,407,673	-	75,617,553	1,520,481	3,058,649	410,938	36,246	1,501,927,755	20,901,208	20,839,224	864,004,398	-

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

**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 ED8 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(ii): Line Charge Revenues (\$000) by Price Component**

						Line charge revenues by price component												
						Price component												
Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$/day, \$/kWh, etc.)	Fixed Charge (FIXD)	Demand (DAMD)	Capacity Charge (CAPY)	On-Pk Demand Chg (DOPC)	Pwr Factor Charge (PWRP)	Uncontrolled /Var Chg (24 UC)	Night Charge (NITE)	Controlled Charge (CTRL)	All Inclusive Charge (AICO)	Individual Contracts (IC)	Add extra columns for additional line charge revenues by price component as necessary
								\$/day	\$/kVA/month	\$/kVA/day	\$/kW/mth	\$/kVAr/mth	\$/kWh	\$/kWh	\$/kWh	\$/kWh	\$	
G100, G101, G102, G103, Rates	Domestic	Standard	\$97,189		\$97,189			\$8,067						\$23,024	\$354	\$975	\$64,768	
GV30, GX30	Large Commercial	Standard	\$3,549		\$3,549			\$1,236						\$2,309			\$4	
GC60, GR60, GU60	Large Industrial	Standard	\$6,239		\$6,239			\$1		\$934	\$4,797	\$297		\$210				
GV14, GX14	Medium Commercial	Standard	\$3,933		\$3,933			\$1,025						\$2,908				
GV02, GV07, GX07	Small Commercial	Standard	\$22,746		\$22,746			\$5,757						\$16,989				
GV99, GX99	Small Industrial	Standard	\$19,906		\$19,906			\$4,375	\$10,640	\$1,008				\$3,883				
G001, G002	Un-metered	Standard	\$3,665		\$3,665			\$568						\$3,100				
Individual Contracts	Individual Contracts	Non-standard	\$2,829		\$2,829													\$2,829
		(Select one)																
		(Select one)																
Standard consumer totals			\$157,227		\$157,227			\$21,025	\$10,640	\$1,942	\$4,797	\$297	\$52,424	\$354	\$975	\$64,772		
Non-standard consumer totals			\$2,829		\$2,829													\$2,829
Total for all consumers			\$160,056		\$160,056			\$21,025	\$10,640	\$1,942	\$4,797	\$297	\$52,424	\$354	\$975	\$64,772		\$2,829

8(iii): Number of ICPs directly billed Check  OK  
 Number of directly billed ICPs at year end

Company Name **Wellington Electricity Lines Limited**

For Year Ended **31 March 2013**

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 year	Net change	Data accuracy
					year (quantity)	(quantity)		1-4
8	All	Overhead Line	Concrete poles / steel structure	No.	25,633	26,030	397	3
9	All	Overhead Line	Wood poles	No.	10,414	10,454	40	3
10	All	Overhead Line	Other pole types	No.	-	-	-	N/A
11	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	58	58	-	3
12	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	N/A
13	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	26	26	-	3
14	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	51	51	-	3
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	62	62	-	3
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	7	7	-	3
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.	31	31	-	4
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.	-	-	-	N/A
26	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	N/A
27	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	-	-	-	N/A
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.	2	2	-	4
31	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	357	368	11	3
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.	54	54	-	4
34	HV	Distribution Line	Distribution OH Open Wire Conductor	km	592	595	3	3
35	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	3	3	-	3
36	HV	Distribution Line	SWER conductor	km	-	-	-	N/A
37	HV	Distribution Cable	Distribution UG XLPE or PVC	km	98	102	4	3
38	HV	Distribution Cable	Distribution UG PILC	km	1,039	1,039	0	3
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.	24	24	-	4
41	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	1,448	1,480	32	3
42	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	2,609	2,633	24	3
43	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	1,015	1,027	12	3
44	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	1,773	1,823	50	3
45	HV	Distribution Transformer	Pole Mounted Transformer	No.	1,792	1,804	12	3
46	HV	Distribution Transformer	Ground Mounted Transformer	No.	2,411	2,452	41	3
47	HV	Distribution Transformer	Voltage regulators	No.	-	-	-	N/A
48	HV	Distribution Substations	Ground Mounted Substation Housing	No.	495	498	3	3
49	LV	LV Line	LV OH Conductor	km	1,094	1,095	1	4
50	LV	LV Cable	LV UG Cable	km	1,584	1,591	7	4
51	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	1,858	1,861	3	3
52	LV	Connections	OH/UG consumer service connections	No.	164,453	165,124	671	3
53	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	1,492	1,492	-	3
54	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	224	231	7	3
55	All	Capacitor Banks	Capacitors including controls	No.	-	-	-	N/A
56	All	Load Control	Centralised plant	Lot	25	25	-	3
57	All	Load Control	Relays	No.	-	-	-	N/A
58	All	Civils	Cable Tunnels	km	1	1	-	4

Company Name	Wellington Electricity Lines Limited
For Year Ended	31 March 2013
Network / Sub-network Name	

**SCHEDULE 9b: ASSET AGE PROFILE**

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

sch ref

No.	Voltage	Asset category	Asset class	Units	Number of assets at disclosure year end by installation date																	No. with Age unknown	Total assets at year end	No. with default dates	Data accuracy (1-4)					
					pre-1940	1940-1949	1950-1959	1960-1969	1970-1979	1980-1989	1990-1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009					2010	2011	2012	2013	
9	All	Overhead Line	Concrete poles / steel structure	No.	75	166	1,489	5,336	3,543	1,775	3,012	494	222	393	502	248	1,348	1,810	2,522	1,293	499	422	384	387	110	26,030	2,383	3		
11	All	Overhead Line	Wood poles	No.	25	53	620	3,849	2,325	1,829	902	30	12	11	28	29	46	182	129	87	68	110	55	51	13	10,454	772	3		
12	All	Overhead Line	Other pole types	No.																										
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km				18	27		12		0						0	0		0	0	0		58	13	3		
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km																										
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km							3		3	0		1		2	0	7				10	0	0	26		3	
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km				21	20	9	1															51		3		
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km			10	42	7	3	0							0	0							62		3		
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km				1	5	0																7		3		
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km																										
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km																										
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km																										
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km																										
23	HV	Subtransmission Cable	Subtransmission submarine cable	km																										
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.			1	15	10	2	2		1													31		4		
25	HV	Zone substation Buildings	Zone substations 110kV+	No.																										
26	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.																										
27	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.																										
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.																										
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.																										
30	HV	Zone substation switchgear	33kV RMU	No.																										
31	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.																										
32	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.				2																		2		4		
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.				165	110	29	28		7						16							13		3		
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.																										
45	HV	Zone Substation Transformer	Zone Substation Transformers	No.			4	28	15	6				1													54		4	
46	HV	Distribution Line	Distribution OH Open Wire Conductor	km			4	233	106	156	57	5	4	4	5	1	3	2	1	1	1	1	2	1	8	0	595	64	3	
47	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km				1	1	1	0							0									3	1	3	
48	HV	Distribution Line	SWER conductor	km																										
49	HV	Distribution Cable	Distribution UG XLPE or PVC	km			1	5	9	0	1	9	16	4	8	3	2	4	8	9	7	3	9	7	0	0	102		3	
50	HV	Distribution Cable	Distribution UG PILC	km	56	22	119	276	245	156	116	11	5	3	5	9	6	5	1	2	0	0	0	0	0	0	1,039		3	
51	HV	Distribution Cable	Distribution Submarine Cable	km																										
52	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.				6	4	3	1	1		1	2			2	1				2		1	24		4		
53	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.		2	33	358	379	274	151	10	21	8	17		2	7	19	24	16	43	68	48		1,480	67	3		
54	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	2		178	877	467	241	233	55	53	82	81	42	41	49	66	37	22	39	31	35	2		2,633	81	3	
55	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.			28	269	282	181	109	5	18	6	12		2	5	17	19		29	28	17		1,027	63	3		
56	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.			25	201	469	269	271	31	27	35	55	42	41	49	37	35	77	42	54	58	5		1,823	4	3	
57	HV	Distribution Transformer	Pole Mounted Transformer	No.	2	4	129	511	246	82	224	72	58	60	50	39	78	48	52	34	20	30	30	29	6		1,804	64	3	
58	HV	Distribution Transformer	Ground Mounted Transformer	No.	4	21	201	493	568	232	232	43	57	44	56	61	67	80	63	49	33	47	52	43	6		2,452	42	3	
59	HV	Distribution Transformer	Voltage regulators	No.																										
60	HV	Distribution Substations	Ground Mounted Substation Housing	No.	4	13	85	130	85	88	35	8	8	13	5	5	3	2	1	3	5	1		4		498	4	3		
61	LV	LV Line	LV OH Conductor	km	6	13	158	498	251	86	59	5	3	2	2	1	3	1	2	2	1	1	2	1	0		1,095	1	4	
62	LV	LV Cable	LV UG Cable	km	7	20	104	317	515	205	206	25	20	14	17	25	19	20	18	15	10	9	6	9	0		1,591		4	
63	LV	LV Street lighting	LV OH/UG Streetlight circuit	km	2	11	114	512	619	207	241	17	11	12	13	16	21	12	10	22	8	4	6	4	0		1,861	757	3	
64	LV	Connections	OH/UG consumer service connections	No.																							29,715	165,124	125,155	3
65	All	Protection	Protection relays (electromechanical, solid state and numerical)	No.																3	7	851	881	1,058	893	179	1,454	1,492	3	
66	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot						67	98	2	2	2	1		3	4	6	1	14	11	13	5	2		231		3	
67	All	Capacitor Banks	Capacitors including controls	Lot																										
68	All	Load Control	Centralised plant	Lot																										
69	All	Load Control	Relays	Lot			5	9	6	3	2																25		3	
70	All	Civils	Cable Tunnels	km																										

Company Name **Wellington Electricity Lines Limited**

For Year Ended **31 March 2013**

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

		Total circuit length		
		Overhead (km)	Underground (km)	(km)
9				
10	<b>Circuit length by operating voltage (at year end)</b>			
11	> 66kV	-	-	-
12	50kV & 66kV	-	-	-
13	33kV	58	146	204
14	SWER (all SWER voltages)	-	-	-
15	22kV (other than SWER)	-	-	-
16	6.6kV to 11kV (inclusive—other than SWER)	598	1,141	1,739
17	Low voltage (< 1kV)	1,095	1,591	2,686
18	<b>Total circuit length (for supply)</b>	<b>1,751</b>	<b>2,878</b>	<b>4,629</b>
19				
20	Dedicated street lighting circuit length (km)	90	296	386
21	Circuit in sensitive areas (conservation areas, iwi territory etc) (km)			
22				
23	<b>Overhead circuit length by terrain (at year end)</b>	(% of total)		
24	Urban	1,356		77%
25	Rural	395		23%
26	Remote only	-		-
27	Rugged only	-		-
28	Remote and rugged	-		-
29	Unallocated overhead lines	-		-
30	<b>Total overhead length</b>	<b>1,751</b>		<b>100%</b>
31				
32		(% of total circuit length)		
33	Length of circuit within 10km of coastline or geothermal areas (where known)	4,440		96%
34		(% of total)		
35	Overhead circuit requiring vegetation management	1,576		90%

Company Name **Limited**  
 For Year Ended **31 March 2013**

**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			
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 **Wellington Electricity Lines Limited**

For Year Ended **31 March 2013**

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\*

Domestic
Small commercial
Medium commercial
Large commercial
Small industrial
Large industrial
Unmetered

\* include additional rows if needed

Number of connections (ICPs)

699
415
19
9
5
1
42

Connections total

1,190
-------

**Distributed generation**

Number of connections made in year

23
----

connections

Capacity of distributed generation installed in year

0.081
-------

MVA

**9e(ii): System Demand**

**Maximum coincident system demand**

GXP demand

552
-----

plus Distributed generation output at HV and above

2
---

Maximum coincident system demand

553
-----

less Net transfers to (from) other EDBs at HV and above

-
---

Demand on system for supply to consumers' connection points

553
-----

Demand at time of maximum coincident demand (MW)

**Electricity volumes carried**

Electricity supplied from GXPs

2,501
-------

less Electricity exports to GXPs

-
---

plus Electricity supplied from distributed generation

10
----

less Net electricity supplied to (from) other EDBs

-
---

Electricity entering system for supply to consumers' connection points

2,511
-------

less Total energy delivered to ICPs

2,408
-------

Electricity losses (loss ratio)

103
-----

4.1%

Load factor

52%
-----

**9e(iii): Transformer Capacity**

Distribution transformer capacity (EDB owned)

1,350
-------

Distribution transformer capacity (Non-EDB owned)

-
---

Total distribution transformer capacity

1,350
-------

Zone substation transformer capacity

1,138
-------

(MVA)

### 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

#### 10(i): Interruptions

##### Interruptions by class

	Number of interruptions
Class A (planned interruptions by Transpower)	-
Class B (planned interruptions on the network)	111
Class C (unplanned interruptions on the network)	216
Class D (unplanned interruptions by Transpower)	-
Class E (unplanned interruptions of EDB owned generation)	-
Class F (unplanned interruptions of generation owned by others)	-
Class G (unplanned interruptions caused by another disclosing entity)	-
Class H (planned interruptions caused by another disclosing entity)	-
Class I (interruptions caused by parties not included above)	-
<b>Total</b>	<b>327</b>

##### Interruption restoration

	≤3Hrs	>3hrs
Class C interruptions restored within	168	48

##### SAIFI and SAIDI by class

	SAIFI	SAIDI
Class A (planned interruptions by Transpower)	-	-
Class B (planned interruptions on the network)	0.01	1.41
Class C (unplanned interruptions on the network)	0.56	41.88
Class D (unplanned interruptions by Transpower)	-	-
Class E (unplanned interruptions of EDB owned generation)	-	-
Class F (unplanned interruptions of generation owned by others)	-	-
Class G (unplanned interruptions caused by another disclosing entity)	-	-
Class H (planned interruptions caused by another disclosing entity)	-	-
Class I (interruptions caused by parties not included above)	-	-
<b>Total</b>	<b>0.57</b>	<b>43.29</b>

##### Normalised SAIFI and SAIDI

	Normalised SAIFI	Normalised SAIDI
Classes B & C (interruptions on the network)	0.52	33.90

##### Quality path normalised reliability limit

	SAIFI reliability limit	SAIDI reliability limit
SAIFI and SAIDI limits applicable to disclosure year*	0.60	40.7

\* not applicable to exempt EDBs

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

##### Cause

	SAIFI	SAIDI
Lightning	0.00	0.10
Vegetation	0.02	1.18
Adverse weather	0.07	9.98
Adverse environment	-	-
Third party interference	0.12	6.97
Wildlife	0.00	0.30
Human error	0.03	0.54
Defective equipment	0.28	19.66
Cause unknown	0.05	3.15

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

##### Main equipment involved

	SAIFI	SAIDI
Subtransmission lines	-	-
Subtransmission cables	-	-
Subtransmission other	-	-
Distribution lines (excluding LV)	0.01	0.77
Distribution cables (excluding LV)	0.01	0.64
Distribution other (excluding LV)	-	-

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

##### Main equipment involved

	SAIFI	SAIDI
Subtransmission lines	0.03	5.16
Subtransmission cables	0.03	1.62
Subtransmission other	-	-
Distribution lines (excluding LV)	0.28	23.49
Distribution cables (excluding LV)	0.22	11.61
Distribution other (excluding LV)	-	-

#### 10(v): Fault Rate

##### Main equipment involved

	Number of Faults	Circuit length (km)	Fault rate (faults per 100km)
Subtransmission lines	1	58	1.72
Subtransmission cables	1	147	0.68
Subtransmission other	-	-	-
Distribution lines (excluding LV)	135	598	22.58
Distribution cables (excluding LV)	79	1,141	6.92
Distribution other (excluding LV)	-	-	-
<b>Total</b>	<b>216</b>		

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

<b>Company Name</b>	<a href="#">Wellington Electricity Lines Limited</a>
<b>Disclosure Date</b>	<a href="#">31 August 2013</a>
<b>Disclosure Year (year ended)</b>	<a href="#">31 March 2013</a>

Templates for Schedules 5f & 5g  
Template Version 2.0. Prepared 21 December 2012

## Table of Contents

Schedule Description

5f [Report Supporting Cost Allocations](#)

5g [Report Supporting Asset Allocations](#)

### **Disclosure Template Guidelines for Information Entry**

These templates have been prepared for use by EDBs when making disclosures under subclause 2.3.2 of the Electricity Distribution Information Disclosure Determination 2012. These disclosures (schedules 5f and 5g) are not required to be publicly disclosed, but must be disclosed to the Commission within 5 months and 5 working days after the start of the disclosure year.

#### ***Company Name and Dates***

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

The cell C12 entry (current year) is used to calculate the 'For year ended' date in the template title blocks (the title blocks are the light green shaded areas at the top of each template).

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

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

#### ***Data Entry Cells and Calculated Cells***

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

In some cases, where the information for disclosure is able to be ascertained from disclosures elsewhere in the workbook, such information is disclosed in a calculated cell. Under no circumstances should the formulas in a calculated cell be overwritten.

#### ***Validation Settings on Data Entry Cells***

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

#### ***Inserting Additional Rows***

The templates for schedules 5f and 5g may require additional rows to be inserted in tables.

Additional rows must not be inserted directly above the first row or below the last row of a table. This is to ensure that entries made in the new row are included in the totals.

#### ***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 1 October 2012). They provide a common reference between the rows in the determination and the template. Due to page formatting, the row reference sequences contained in the determination schedules are not necessarily contiguous.

**SCHEDULE 5f: REPORT SUPPORTING COST ALLOCATIONS**

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5d (Cost allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission.

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

sch ref

7	Have costs been allocated in aggregate using ACAM in accordance with clause 2.1.1(3) of the IM Determination?											
8											Yes	
9												
10					Allocator Metric (%)		Value allocated (\$000)					
11	Line Item*	Allocation methodology type	Cost allocator	Allocator type	Electricity distribution services	Non-electricity distribution services	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000)	
12	<b>Service interruptions and emergencies</b>											
13	Service interruptions and emergencies	ACAM	100%	Causal	100.00%			3,093		3,093		
14	Insert cost description	e.g. ABAA	Allocator 2	[Select one]						-		
15	Insert cost description	e.g. ABAA	Allocator 3	[Select one]						-		
16	Insert cost description	e.g. ABAA	Allocator 4	[Select one]						-		
17	Not directly attributable							-	3,093	-	3,093	-
18	<b>Vegetation management</b>											
19	Vegetation management	ACAM	100%	Causal	100.00%			-		-		
20	Insert cost description	e.g. ABAA	Allocator 2	[Select one]						-		
21	Insert cost description	e.g. ABAA	Allocator 3	[Select one]						-		
22	Insert cost description	e.g. ABAA	Allocator 4	[Select one]						-		
23	Not directly attributable							-	-	-	-	-
24	<b>Routine and corrective maintenance and inspection</b>											
25	Routine and corrective maintenance and inspection	ACAM	100%	Causal	100.00%			8,380		8,380		
26	Insert cost description	e.g. ABAA	Allocator 2	[Select one]						-		
27	Insert cost description	e.g. ABAA	Allocator 3	[Select one]						-		
28	Insert cost description	e.g. ABAA	Allocator 4	[Select one]						-		
29	Not directly attributable							-	8,380	-	8,380	-
30	<b>Asset replacement and renewal</b>											
31	Asset replacement and renewal	ACAM	100%	Causal	100.00%			614		614		
32	Insert cost description	e.g. ABAA	Allocator 2	[Select one]						-		
33	Insert cost description	e.g. ABAA	Allocator 3	[Select one]						-		
34	Insert cost description	e.g. ABAA	Allocator 4	[Select one]						-		
35	Not directly attributable							-	614	-	614	-

Company Name

Wellington Electricity Lines Limited

For Year Ended

31 March 2013

**SCHEDULE 5f: REPORT SUPPORTING COST ALLOCATIONS**

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5d (Cost allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission.

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

*sch ref*

43	<b>System operations and network support</b>											
44	System operations and network support	ACAM	100%	Causal	100.00%			3,617		3,617		
45	Insert cost description	e.g. ABAA	Allocator 2	[Select one]						-		
46	Insert cost description	e.g. ABAA	Allocator 3	[Select one]						-		
47	Insert cost description	e.g. ABAA	Allocator 4	[Select one]						-		
48	<b>Not directly attributable</b>							-	3,617	-	3,617	-
49	<b>Business support</b>											
50	Business support	ACAM	100%	Causal	100.00%			12,594		12,594		
51	Insert cost description	e.g. ABAA	Allocator 2	[Select one]						-		
52	Insert cost description	e.g. ABAA	Allocator 3	[Select one]						-		
53	Insert cost description	e.g. ABAA	Allocator 4	[Select one]						-		
54	<b>Not directly attributable</b>							-	12,594	-	12,594	-
55												
56	<b>Operating costs not directly attributable</b>								28,298		28,298	
57												
58	<b>Pass through and recoverable costs</b>											
59	<b>Pass through costs</b>											
60	Pass through costs	ACAM	100%	Causal				2,619		2,619		
61	Insert cost description	e.g. ABAA	Allocator 2	[Select one]						-		
62	Insert cost description	e.g. ABAA	Allocator 3	[Select one]						-		
63	Insert cost description	e.g. ABAA	Allocator 4	[Select one]						-		
64	<b>Not directly attributable</b>							-	2,619	-	2,619	-
65	<b>Recoverable costs</b>											
66	Recoverable costs	ACAM	100%	Causal				57,470		57,470		
67	Insert cost description	e.g. ABAA	Allocator 2	[Select one]						-		
68	Insert cost description	e.g. ABAA	Allocator 3	[Select one]						-		
69	Insert cost description	e.g. ABAA	Allocator 4	[Select one]						-		
70	<b>Not directly attributable</b>							-	57,470	-	57,470	-

\* include additional rows if needed

**SCHEDULE 5g: REPORT SUPPORTING ASSET ALLOCATIONS**

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5e (Report on Asset Allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission.

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

sch ref

7	Have assets been allocated in aggregate using ACAM in accordance with clause 2.1.1(3) of the IM Determination?										Yes	
8												
9												
10					Allocator Metric (%)		Value allocated (\$000)					
11	Line Item*	Allocation methodology type	Allocator	Allocator type	Electricity distribution services	Non-electricity distribution services	Arm's length deduction	Electricity distribution services	Non-electricity distribution services	Total	OVABAA allocation increase (\$000)	
12	<b>Subtransmission lines</b>											
13	Subtransmission lines	ACAM	100%	Causal	100.00%			2,134		2,134		
14	Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-		
15	Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-		
16	Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-		
17	Not directly attributable							-	2,134	-	2,134	-
18	<b>Subtransmission cables</b>											
19	Subtransmission cables	ACAM	100%	Causal	100.00%			51,131		51,131		
20	Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-		
21	Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-		
22	Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-		
23	Not directly attributable							-	51,131	-	51,131	-
24	<b>Zone substations</b>											
25	Zone substations	ACAM	100%	Causal	100.00%			40,122		40,122		
26	Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-		
27	Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-		
28	Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-		
29	Not directly attributable							-	40,122	-	40,122	-
30	<b>Distribution and LV lines</b>											
31	Distribution and LV lines	ACAM	100%	Causal	100.00%			113,184		113,184		
32	Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-		
33	Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-		
34	Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-		
35	Not directly attributable							-	113,184	-	113,184	-
36	<b>Distribution and LV cables</b>											
37	Distribution and LV cables	ACAM	100%	Causal	100.00%			222,244		222,244		
38	Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-		
39	Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-		
40	Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-		
41	Not directly attributable							-	222,244	-	222,244	-



Company Name  
For Year Ended

<b>Wellington Electricity Lines Limited</b>
<b>31 March 2013</b>

### SCHEDULE 5g: REPORT SUPPORTING ASSET ALLOCATIONS

This schedule requires additional detail on the asset allocation methodology applied in allocating asset values that are not directly attributable, to support the information provided in Schedule 5e (Report on Asset Allocations). This schedule is not required to be publicly disclosed, but must be disclosed to the Commission.

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

sch ref

49	<b>Distribution substations and transformers</b>										
50	Distribution substations and transformers	ACAM	100%	Causal	100.00%			72,751		72,751	
51	Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-	
52	Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-	
53	Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-	
54	<b>Not directly attributable</b>							-	72,751	-	72,751
55											
56	<b>Distribution switchgear</b>										
57	Distribution switchgear	ACAM	100%	Causal	100.00%			34,255		34,255	
58	Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-	
59	Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-	
60	Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-	
61	<b>Not directly attributable</b>							-	34,255	-	34,255
62											
63	<b>Other network assets</b>										
64	Other network assets	ACAM	100%	Causal	100.00%			8,388		8,388	
65	Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-	
66	Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-	
67	Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-	
68	<b>Not directly attributable</b>							-	8,388	-	8,388
69											
70	<b>Non-network assets</b>										
71	Non-network assets	ACAM	100%	Causal	100.00%			11,781		11,781	
72	Insert asset description	e.g. ABAA	Allocator 2	[Select one]						-	
73	Insert asset description	e.g. ABAA	Allocator 3	[Select one]						-	
74	Insert asset description	e.g. ABAA	Allocator 4	[Select one]						-	
75	<b>Not directly attributable</b>							-	11,781	-	11,781
76	<b>Regulated service asset value not directly attributable</b>							-	555,990	-	555,990

\* include additional rows if needed

**EDB Information Disclosure Requirements  
Information Templates  
for  
Transitional Schedules**

**Company Name**

Wellington Electricity Lines Limited

**Disclosure Date**

31 August 2013

**Disclosure Year (year ended)**

31 March 2013

Templates for Schedules 3, 5b, 5e & 8  
Template Version 1.0. Prepared 19 June 2013

### **Disclosure Template Guidelines for Information Entry**

These templates have been prepared for use by EDBs when making transitional disclosures under subclauses 2.12.1 and 2.12.2 of the Electricity Distribution Information Disclosure Determination 2012. These transitional templates only apply for the first disclosure year (year ended 31 March 2013). Disclosures must be made available to the public within 5 months after the end of the disclosure year and a copy provided to the Commission within 5 working days of being disclosed to the public.

The following schedules are required to be disclosed:

Schedule 3: Report on Regulatory Profit for 2012

Schedule 5b: Report on Related Party Transactions for 2012

Schedule 5e: Report on Asset Allocations for 2010, 2011 and 2012

Schedule 8: Report on Billed Quantities and Line Charges for 2012

Transitional schedules 2, 4, 5a, 5c and 6b are not required to be disclosed but have been included to assist calculation for Schedule 3(i):Regulatory Profit.

### ***Company Name***

To prepare the templates for disclosure, the supplier's company name should be entered in cell C8 in the Coversheet.

### ***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.

### ***Inserting Additional Rows and Columns***

Schedule 5e may require new asset category rows to be inserted in allocation change table 5e(ii). Accordingly, cell protection has been removed from rows 76 and 79 of the respective templates to allow blocks of rows to be copied. The four steps to add new asset category rows to table 5e(ii) are: Select Excel rows 70:77, copy, select Excel row 79, then insert copied cells.

The template for schedule 8 may require additional columns to be inserted. To avoid interfering with the title block entries, these should be inserted to the left of column S.

### ***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 1 October 2012). They provide a common reference between the rows in the determination and the template. Due to page formatting, the row reference sequences contained in the determination schedules are not necessarily contiguous.

### ***Schedule 5b: Report on Related Party Transactions***

Under clause 2.12.1(4), schedule 5b for the year ending 2012, EDB's are only required to complete information for assets acquired from a related party. Related party transactions included in operational expenditure disclosed in schedule 3 must be valued in accordance with the ID determination related party valuation rules but the transactions are not required to be disclosed for 2012 in schedule 5b.

### ***Schedule 8: Report on Billed Quantities and Line Charge Revenues***

This template should be completed in respect of each consumer groups or price category code (as applicable) that applied in disclosure year 2012. The 'Average number of ICPs in disclosure year' column entries should be the arithmetic mean of monthly total ICPs (at month end).

### ***Disclosures by Sub-Network***

If the supplier has sub-networks, schedule 8 must be completed for the network and for each sub-network. A copy of the schedule worksheet must be made for each subnetwork and named accordingly.

### 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 3(i), 3(iv) and 3(v) and must provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).

Non-exempt EDBs must also complete sections 3(ii) and 3(iii).

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>3(i): Regulatory Profit</b>	(\$000)
8	<b>Income</b>	
9	Line charge revenue	151,931
10	plus Gains / (losses) on asset disposals	-
11	plus Other regulated income (other than gains / (losses) on asset disposals)	702
12		
13	<b>Total regulatory income</b>	<b>152,633</b>
14	<b>Expenses</b>	
15	less Operational expenditure	28,559
17	less Pass-through and recoverable costs	50,620
18		
19	<b>Operating surplus / (deficit)</b>	<b>73,455</b>
20		
21	less Total depreciation	28,041
22		
23	plus Total revaluation	8,769
24		
25	<b>Regulatory profit / (loss) before tax &amp; term credit spread differential allowance</b>	<b>54,182</b>
26		
27	less Term credit spread differential allowance	-
28		
29	<b>Regulatory profit / (loss) before tax</b>	<b>54,182</b>
30		
31	less Regulatory tax allowance	12,696
32		
33	<b>Regulatory profit / (loss)</b>	<b>41,487</b>
34		
35	<b>3(ii): Pass-Through and Recoverable Costs</b>	(\$000)
36	<b>Pass-through costs</b>	
37	Rates	1,998
38	Commerce Act levies	149
	Electricity Authority levies	409
40	Other specified pass-through costs	-
41	<b>Recoverable costs</b>	
42	Net recoverable costs allowed under incremental rolling incentive scheme	-
43	Non-exempt EDB electricity lines service charge payable to Transpower	46,453
44	Transpower new investment contract charges	1,364
45	System operator services	-
46	Avoided transmission charge	246
47	Input Methodology claw-back	-
48	Recoverable customised price-quality path costs	-
49	<b>Pass-through and recoverable costs</b>	<b>50,620</b>

**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 3(i), 3(iv) and 3(v) and must provide explanatory comment on their regulatory profit in Schedule 14 (Mandatory Explanatory Notes).

Non-exempt EDBs must also complete sections 3(ii) and 3(iii).

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 March 2011	31 March 2012
57	<b>3(iii): Incremental Rolling Incentive Scheme</b>		
58			
59			
60	Allowed controllable opex		
61	Actual controllable opex		
62			
63	Incremental change in year		
64			
		Previous years' incremental change	Previous years' incremental change adjusted for inflation
65			
66	CY-5 31 Mar 07		
67	CY-4 31 Mar 08		
68	CY-3 31 Mar 09		
69	CY-2 31 Mar 10		
70	CY-1 31 Mar 11		
71	<b>Net incremental rolling incentive scheme</b>		-
72			
73	<b>Net recoverable costs allowed under incremental rolling incentive scheme</b>		-
74	<b>3(iv): Merger and Acquisition Expenditure</b>		
75	Merger and acquisition expenses		
76			
77	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)		
78	<b>3(v): Other Disclosures</b>		
79	Self-insurance allowance		

**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.

*sch ref*

	(\$000)
<b>7 5b(i): Summary—Related Party Transactions</b>	
8 Total regulatory income	
9 Operational expenditure	
10 Capital expenditure	
11 Market value of asset disposals	
12 Other related party transactions	

**13 5b(ii): Entities Involved in Related Party Transactions**

Name of related party	Related party relationship

*\* include additional rows if needed*

**21 5b(iii): Related Party Transactions**

Name of related party	Related party transaction type	Description of transaction	Value of transaction (\$000)	Basis for determining value
	[Select one]			
	[Select one]			
	[Select one]			
	[Select one]			
	[Select one]			
	[Select one]			
	[Select one]			
	[Select one]			
	[Select one]			
	[Select one]			
	[Select one]			
	[Select one]			
	[Select one]			
	[Select one]			
	[Select one]			

*\* include additional rows if needed*

**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
7		
8		
9		
10	<b>Subtransmission lines</b>	
11	Directly attributable	1,772
12	Not directly attributable	
13	<b>Total attributable to regulated service</b>	1,772
14	<b>Subtransmission cables</b>	
15	Directly attributable	58,026
16	Not directly attributable	
17	<b>Total attributable to regulated service</b>	58,026
18	<b>Zone substations</b>	
19	Directly attributable	38,423
20	Not directly attributable	
21	<b>Total attributable to regulated service</b>	38,423
22	<b>Distribution and LV lines</b>	
23	Directly attributable	93,229
24	Not directly attributable	
25	<b>Total attributable to regulated service</b>	93,229
26	<b>Distribution and LV cables</b>	
27	Directly attributable	224,718
28	Not directly attributable	
29	<b>Total attributable to regulated service</b>	224,718
30	<b>Distribution substations and transformers</b>	
31	Directly attributable	63,507
32	Not directly attributable	
33	<b>Total attributable to regulated service</b>	63,507
34	<b>Distribution switchgear</b>	
35	Directly attributable	38,282
36	Not directly attributable	
37	<b>Total attributable to regulated service</b>	38,282
38	<b>Other network assets</b>	
39	Directly attributable	9,436
40	Not directly attributable	
41	<b>Total attributable to regulated service</b>	9,436
42	<b>Non-network assets</b>	
43	Directly attributable	23,193
44	Not directly attributable	
45	<b>Total attributable to regulated service</b>	23,193
46		
47	Regulated service asset value directly attributable	550,586
48	Regulated service asset value not directly attributable	-
49	<b>Total closing RAB value</b>	550,586

5e(ii): Changes in Asset Allocations* †		(\$000)	
		CY-1 31 Mar 09	Current Year (CY) 31 Mar 10
57			
58			
59			
60	<b>Change in asset value allocation 1</b>		
61	Asset category		
62	Original allocator or line items		
63	New allocator or line items		
64			
65	Rationale for change		
66			
67			
68	<b>Change in asset value allocation 2</b>		
69	Asset category		
70	Original allocator or line items		
71	New allocator or line items		
72			
73	Rationale for change		
74			
75			
76			
77	<b>Change in asset value allocation 3</b>		
78	Asset category		
79	Original allocator or line items		
80	New allocator or line items		
81			
82	Rationale for change		
83			
84			

\* 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

**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
7		
8		
9		
10	<b>Subtransmission lines</b>	
11	Directly attributable	2,355
12	Not directly attributable	
13	<b>Total attributable to regulated service</b>	2,355
14	<b>Subtransmission cables</b>	
15	Directly attributable	55,977
16	Not directly attributable	
17	<b>Total attributable to regulated service</b>	55,977
18	<b>Zone substations</b>	
19	Directly attributable	38,377
20	Not directly attributable	
21	<b>Total attributable to regulated service</b>	38,377
22	<b>Distribution and LV lines</b>	
23	Directly attributable	101,887
24	Not directly attributable	
25	<b>Total attributable to regulated service</b>	101,887
26	<b>Distribution and LV cables</b>	
27	Directly attributable	227,525
28	Not directly attributable	
29	<b>Total attributable to regulated service</b>	227,525
30	<b>Distribution substations and transformers</b>	
31	Directly attributable	67,834
32	Not directly attributable	
33	<b>Total attributable to regulated service</b>	67,834
34	<b>Distribution switchgear</b>	
35	Directly attributable	36,140
36	Not directly attributable	
37	<b>Total attributable to regulated service</b>	36,140
38	<b>Other network assets</b>	
39	Directly attributable	8,284
40	Not directly attributable	
41	<b>Total attributable to regulated service</b>	8,284
42	<b>Non-network assets</b>	
43	Directly attributable	20,115
44	Not directly attributable	
45	<b>Total attributable to regulated service</b>	20,115
46		
47	Regulated service asset value directly attributable	558,495
48	Regulated service asset value not directly attributable	-
49	<b>Total closing RAB value</b>	558,495

5e(ii): Changes in Asset Allocations* †		(\$000)	
		CY-1 31 Mar 10	Current Year (CY) 31 Mar 11
57			
58			
59			
60	<b>Change in asset value allocation 1</b>		
61	Asset category		
62	Original allocator or line items		
63	New allocator or line items		
64			
65	Rationale for change		
66			
67			
68	<b>Change in asset value allocation 2</b>		
69	Asset category		
70	Original allocator or line items		
71	New allocator or line items		
72			
73	Rationale for change		
74			
75			
76			
77	<b>Change in asset value allocation 3</b>		
78	Asset category		
79	Original allocator or line items		
80	New allocator or line items		
81			
82	Rationale for change		
83			
84			

\* 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



**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
7		
8		
9		
10	<b>Subtransmission lines</b>	
11	Directly attributable	2,251
12	Not directly attributable	
13	<b>Total attributable to regulated service</b>	2,251
14	<b>Subtransmission cables</b>	
15	Directly attributable	53,762
16	Not directly attributable	
17	<b>Total attributable to regulated service</b>	53,762
18	<b>Zone substations</b>	
19	Directly attributable	37,685
20	Not directly attributable	
21	<b>Total attributable to regulated service</b>	37,685
22	<b>Distribution and LV lines</b>	
23	Directly attributable	107,924
24	Not directly attributable	
25	<b>Total attributable to regulated service</b>	107,924
26	<b>Distribution and LV cables</b>	
27	Directly attributable	224,204
28	Not directly attributable	
29	<b>Total attributable to regulated service</b>	224,204
30	<b>Distribution substations and transformers</b>	
31	Directly attributable	69,874
32	Not directly attributable	
33	<b>Total attributable to regulated service</b>	69,874
34	<b>Distribution switchgear</b>	
35	Directly attributable	35,220
36	Not directly attributable	
37	<b>Total attributable to regulated service</b>	35,220
38	<b>Other network assets</b>	
39	Directly attributable	7,900
40	Not directly attributable	
41	<b>Total attributable to regulated service</b>	7,900
42	<b>Non-network assets</b>	
43	Directly attributable	16,389
44	Not directly attributable	
45	<b>Total attributable to regulated service</b>	16,389
46		
47	Regulated service asset value directly attributable	555,210
48	Regulated service asset value not directly attributable	-
49	<b>Total closing RAB value</b>	555,210

5e(ii): Changes in Asset Allocations* †		(\$000)	
		CY-1 31 Mar 11	Current Year (CY) 31 Mar 12
57			
58			
59			
60	<b>Change in asset value allocation 1</b>		
61	Asset category		
62	Original allocator or line items		
63	New allocator or line items		
64			
65	Rationale for change		
66			
67			
68	<b>Change in asset value allocation 2</b>		
69	Asset category		
70	Original allocator or line items		
71	New allocator or line items		
72			
73	Rationale for change		
74			
75			
76			
77	<b>Change in asset value allocation 3</b>		
78	Asset category		
79	Original allocator or line items		
80	New allocator or line items		
81			
82	Rationale for change		
83			
84			

\* 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

**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)	Unit charging basis (eg, days, kW of demand, kVA of capacity, etc.)	Billed quantities by price component									
						Fixed Charge (FXD)	Demand (DAMD)	Capacity Charge (CAPY)	On-Pk Demand Chg (DOPC)	Pwr Factor Charge (PWRP)	Uncontrolled /Var Chg (24 UC)	Night Charge (NITE)	Controlled Charge (CTRL)	All inclusive Charge (AICO)	Individual Contracts (IC)
						day	kVA/month	kVA/day	kW/mth	kVAr/mth	kWh	kWh	kWh	kWh	ea
G100, G101, G102, G103, Rates	Domestic	Standard	147,212	1,128,175		53,605,005					173,033,652	23,931,164	23,247,794	907,962,346	
GV30, GX30	Large Commercial	Standard	309	114,950		112,177					114,949,966				
GC60, GR60, GU60	Large Industrial	Standard	38	168,027		14,053		1,220,968	455,179	39,342	168,026,977				
GV14, GX14	Medium Commercial	Standard	383	64,882		137,800					64,881,609				
GV02, GV07, GX07	Small Commercial	Standard	15,648	419,508		5,609,413					419,508,418				
GV99, GX99	Small Industrial	Standard	527	525,714		188,232	1,487,180	2,127,319			525,713,706				
G001, G002	Un-metered	Standard	314	22,235		15,247,344					22,234,885				
Individual Contracts	Individual Contracts	Non-Standard [Select one]	15	45,396										45,396,163	
		[Select one]													
Add extra rows for additional consumer groups or price category codes as necessary															
Standard consumer totals				164,432	2,443,891	74,914,025	1,487,180	3,348,287	455,179	39,342	1,488,349,213	23,931,164	23,247,794	907,962,346	
Non-standard consumer totals				15	45,396									45,396,163	
Total for all consumers				164,447	2,488,887	74,914,025	1,487,180	3,348,287	455,179	39,342	1,488,349,213	23,931,164	23,247,794	953,358,508	

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

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

Consumer group name or price category code	Consumer type or types (eg, residential, commercial etc.)	Standard or non-standard consumer group (specify)	Total line charge revenue in disclosure year	Notional revenue foregone (if applicable)	Total distribution line charge revenue	Total transmission line charge revenue (if available)	Rate (eg, \$/day, \$/kWh, etc.)	Line charge revenues by price component										
								Fixed Charge (FIXD) \$/day	Demand (DAMD) \$/kVA/month	Capacity Charge (CAPY) \$/kVA/day	On-Pk Demand Chg (DOPC) \$/kWh	Pwr Factor Charge (PWRP) \$/kVA/mth	Uncontrolled /Var Chg (24 UC) \$/kWh	Night Charge (NITE) \$/kWh	Controlled Charge (CTRL) \$/kWh	All inclusive Charge (AICO) \$/kWh	Individual Contracts (IC) \$	
G100, G101, G102, G103, Rates	Domestic	Standard	\$92,030		\$92,030			\$8,041					\$16,132	\$378	\$1,016	\$66,463		
GV30, GX30	Large Commercial	Standard	\$3,067		\$3,067			\$1,029					\$2,038					
GC60, GR60, GU60	Large Industrial	Standard	\$6,435		\$6,435			\$1		\$984	\$4,941	\$308						
GV14, GX14	Medium Commercial	Standard	\$3,774		\$3,774			\$907					\$2,868					
GV02, GV07, GX07	Small Commercial	Standard	\$21,833		\$21,833			\$5,340					\$16,492					
GV99, GX99	Small Industrial	Standard	\$18,513		\$18,513			\$4,041	\$9,702	\$996			\$3,774					
G001, G002	Un-metered	Standard	\$3,357		\$3,357			\$506					\$2,851					
Individual Contracts	Individual Contracts	Non Standard	\$2,922		\$2,922													\$2,922
		(Select one)																
		(Select one)																
Standard consumer totals			\$149,010		\$149,010			\$19,865	\$9,702	\$1,981	\$4,941	\$308	\$44,356	\$378	\$1,016	\$66,463		
Non-standard consumer totals			\$2,922		\$2,922													\$2,922
Total for all consumers			\$151,931		\$151,931			\$19,865	\$9,702	\$1,981	\$4,941	\$308	\$44,356	\$378	\$1,016	\$66,463		\$2,922

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

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  OK

**EDB Information Disclosure Requirements  
Information Templates  
for  
Schedules 11–13**

<b>Company Name</b>	<input type="text" value="Wellington Electricity"/>
<b>Disclosure Date</b>	<input type="text" value="31 March 2013"/>
<b>AMP Planning Period Start Date (first day)</b>	<input type="text" value="1 April 2013"/>

Templates for Schedules 11a–13 (Asset Management Plan)  
Template Version 2.0. Prepared 15 November 2012

## Table of Contents

Schedule Description

**Asset Management Plan Schedule Templates**

- 11a [Report on Forecast Capital Expenditure](#)
- 11b [Report on Forecast Operational Expenditure](#)
- 12a [Report on Asset Condition](#)
- 12b [Report on Forecast Capacity](#)
- 12c [Report on Forecast Demand](#)
- 12d [Report on Forecast Interruptions and Duration](#)
- 13 [Report on Asset Management Maturity](#)

## **Disclosure Template Guidelines for Information Entry**

These templates have been prepared for use by EDBs when making disclosures under subclauses 2.6.1(4), 2.6.1(5) and 2.6.5(5) of the Electricity Distribution Information Disclosure Determination 2012. Disclosures made under subclauses 2.6.1(4) and 2.6.1(5) must be made before the start of each disclosure year. Disclosures made under subclauses 2.6.5(5) must be made within 5 months after the start of the disclosure year. With the exception of Schedule 12b(ii) discussed below, the information disclosed under 2.6.5(5) should be identical to that disclosed under 2.6.1(4) and 2.6.1(5).

### ***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 first day of the 10 year planning period 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 (planning period start date) is used to calculate disclosure years in the column headings that show above some of the tables. It is also used to calculate the AMP planning period dates 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. Under no circumstances should the formulas in a calculated cell be overwritten.

### ***Validation Settings on Data Entry Cells***

To maintain a consistency of format and to guard against errors in data entry, some data entry cells test entries for validity and accept only a limited range of values. For example, entries may be limited to a list of category names or to values between 0% and 100%. Where this occurs, a validation message will appear when data is being entered.

### ***Conditional Formatting Settings on Data Entry Cells***

Schedule 12a columns G to K contains conditional formatting. The cells will change colour if the row totals do not add to 100%.

### ***Inserting Additional Rows***

The templates for schedules 11a, 12b and 12c may require additional rows to be inserted in tables marked 'include'. Additional rows must not be inserted directly above the first row or below the last row of a table. This is to ensure that entries made in the new row are included in the totals.

For schedule 12b the formula for column J will need to be copied into the inserted row(s).

### ***Schedule 12b(ii)***

The purpose of schedule 12b(ii) is to disclose transformer capacity as at the end of the current year. Because the information may not be available in time for disclosures made under subclause 2.6.1(4), but available for disclosures made under 2.6.5(5), the Commission intends to consider issuing an exemption from disclosing schedule 12b(ii) under subclause 2.6.1(4). Accordingly, the Excel template has been modified to allow the value "N/A" to be entered into these input cells.

### ***Schedule 12d Report Forecast Interruptions and Duration sub-network disclosures***

If the supplier has sub-networks, schedule 12d must be completed for the network and for each sub-network. A copy of the schedule 12d worksheet must be made for each sub-network.

### ***Schedule 13 Report on Asset Management Maturity***

The name of the standard applied (eg, 'PAS55') must be entered in cell K4.

**SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE**

This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. Also required is a forecast of the value of commissioned assets (i.e., the value of RAB additions)  
 EDBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes).  
 This information is not part of audited disclosure information.

sch ref		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
		for year ended 31 Mar 13	31 Mar 14	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23
7												
8												
9	<b>11a(i): Expenditure on Assets Forecast</b>	<b>\$000 (in nominal dollars)</b>										
10	Consumer connection	5,318	6,251	6,670	7,417	8,171	7,740	7,602	8,189	8,547	8,974	10,055
11	System growth	3,764	8,174	8,166	7,934	8,661	6,746	6,679	8,290	8,303	8,171	7,961
12	Asset replacement and renewal	17,767	17,798	18,683	18,864	19,491	25,467	27,310	26,230	26,207	27,053	29,417
13	Asset relocations	935	956	1,033	1,171	1,245	1,192	1,207	1,310	1,341	1,388	1,522
14	Reliability, safety and environment:											
15	Quality of supply	481	406	322	25	27	31	31	31	32	33	34
16	Legislative and regulatory	-	-	-	-	-	-	-	-	-	-	-
17	Other reliability, safety and environment	497	432	493	619	668	748	758	763	787	811	833
18	<b>Total reliability, safety and environment</b>	<b>978</b>	<b>838</b>	<b>815</b>	<b>644</b>	<b>695</b>	<b>779</b>	<b>789</b>	<b>794</b>	<b>819</b>	<b>844</b>	<b>867</b>
19	<b>Expenditure on network assets</b>	<b>28,763</b>	<b>34,018</b>	<b>35,367</b>	<b>36,030</b>	<b>38,263</b>	<b>41,924</b>	<b>43,586</b>	<b>44,813</b>	<b>45,217</b>	<b>46,429</b>	<b>49,821</b>
20	Non-network assets	578	1,856	1,630	1,162	1,142	1,113	1,194	1,209	1,225	1,241	1,258
21	<b>Expenditure on assets</b>	<b>29,341</b>	<b>35,874</b>	<b>36,997</b>	<b>37,192</b>	<b>39,405</b>	<b>43,036</b>	<b>44,781</b>	<b>46,023</b>	<b>46,442</b>	<b>47,670</b>	<b>51,079</b>
22												
23	plus Cost of financing	309	368	376	385	394	402	411	421	430	440	450
24	less Value of capital contributions	4,564	4,188	4,184	4,383	4,469	4,594	4,797	4,931	4,975	5,106	5,482
25	plus Value of vested assets	-	-	-	-	-	-	-	-	-	-	-
26												
27	<b>Capital expenditure forecast</b>	<b>25,086</b>	<b>32,054</b>	<b>33,189</b>	<b>33,194</b>	<b>35,330</b>	<b>38,845</b>	<b>40,395</b>	<b>41,513</b>	<b>41,898</b>	<b>43,004</b>	<b>46,047</b>
28												
29	Value of commissioned assets	24,579	34,239	33,189	33,194	35,330	38,845	40,395	41,513	41,898	43,004	46,047
30												
31												
32		<b>\$000 (in constant prices)</b>										
33	Consumer connection	5,318	6,113	6,380	6,938	7,475	6,925	6,652	7,008	7,153	7,346	8,049
34	System growth	3,764	7,994	7,811	7,422	7,924	6,035	5,844	7,095	6,949	6,688	6,373
35	Asset replacement and renewal	17,767	17,407	17,869	17,646	17,831	22,786	23,897	22,447	21,934	22,143	23,548
36	Asset relocations	935	935	988	1,095	1,139	1,067	1,056	1,121	1,123	1,136	1,218
37	Reliability, safety and environment:											
38	Quality of supply	481	397	308	24	25	27	27	27	27	27	27
39	Legislative and regulatory	-	-	-	-	-	-	-	-	-	-	-
40	Other reliability, safety and environment	497	422	472	579	611	670	664	653	658	664	667
41	<b>Total reliability, safety and environment</b>	<b>978</b>	<b>820</b>	<b>780</b>	<b>602</b>	<b>636</b>	<b>697</b>	<b>691</b>	<b>679</b>	<b>685</b>	<b>691</b>	<b>694</b>
42	<b>Expenditure on network assets</b>	<b>28,763</b>	<b>33,269</b>	<b>33,828</b>	<b>33,704</b>	<b>35,004</b>	<b>37,510</b>	<b>38,139</b>	<b>38,350</b>	<b>37,844</b>	<b>38,003</b>	<b>39,882</b>
43	Non-network assets	578	1,815	1,559	1,087	1,045	995	1,045	1,035	1,025	1,016	1,007
44	<b>Expenditure on assets</b>	<b>29,341</b>	<b>35,084</b>	<b>35,387</b>	<b>34,791</b>	<b>36,049</b>	<b>38,505</b>	<b>39,184</b>	<b>39,385</b>	<b>38,869</b>	<b>39,019</b>	<b>40,889</b>
45												
46	<b>Subcomponents of expenditure on assets (where known)</b>											
47	Energy efficiency and demand side management, reduction of energy losses											
48	Overhead to underground conversion											
49	Research and development											

**SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE**

This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. Also required is a forecast of the value of commissioned assets (i.e., the value of RAB additions)  
 EDBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes).  
 This information is not part of audited disclosure information.

sch ref

	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10
for year ended	31 Mar 13	31 Mar 14	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23
<b>Difference between nominal and constant price forecasts</b>	<b>\$000</b>										
Consumer connection	-	138	290	479	696	815	950	1,181	1,394	1,629	2,006
System growth	-	180	355	512	738	710	835	1,196	1,354	1,483	1,588
Asset replacement and renewal	-	392	813	1,218	1,660	2,681	3,413	3,783	4,273	4,909	5,868
Asset relocations	-	21	45	76	106	126	151	189	219	252	304
Reliability, safety and environment:											
Quality of supply	-	9	14	2	2	3	4	4	5	6	7
Legislative and regulatory	-	-	-	-	-	-	-	-	-	-	-
Other reliability, safety and environment	-	10	21	40	57	79	95	110	128	147	166
<b>Total reliability, safety and environment</b>	-	18	35	42	59	82	99	114	134	153	173
<b>Expenditure on network assets</b>		749	1,539	2,327	3,258	4,414	5,447	6,463	7,373	8,426	9,939
Non-network assets	(0)	41	71	75	97	117	149	174	200	225	251
<b>Expenditure on assets</b>	(0)	790	1,610	2,401	3,355	4,531	5,596	6,638	7,573	8,651	10,190

	Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
for year ended	31 Mar 13	31 Mar 14	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18
<b>11a(ii): Consumer Connection</b>	<b>\$000 (in constant prices)</b>					
<i>Consumer types defined by EDB*</i>						
Substation	2,266	3,287	3,175	2,696	2,856	2,419
Subdivision	1,202	1,150	1,449	2,259	2,462	2,407
High Voltage Connection	229	32	24	24	24	24
Residential customers	1,246	1,566	1,674	1,901	2,076	2,018
Generation connections	76	-	-	-	-	-
Public lighting	297	78	57	57	57	57
<i>*include additional rows if needed</i>						
<b>Consumer connection expenditure</b>	5,318	6,113	6,380	6,938	7,475	6,925
less Capital contributions funding consumer connection	3,723	3,317	3,242	3,321	3,311	3,329
<b>Consumer connection less capital contributions</b>	1,595	2,796	3,138	3,617	4,164	3,596

<b>11a(iii): System Growth</b>						
Subtransmission	-	-	-	-	-	-
Zone substations	2,696	5,725	5,594	5,315	5,675	4,322
Distribution and LV lines	-	-	-	-	-	-
Distribution and LV cables	945	2,006	1,960	1,863	1,989	1,515
Distribution substations and transformers	124	263	257	244	260	198
Distribution switchgear	-	-	-	-	-	-
Other network assets	-	-	-	-	-	-
<b>System growth expenditure</b>	3,764	7,994	7,811	7,422	7,924	6,035
less Capital contributions funding system growth	-	-	-	-	-	-
<b>System growth less capital contributions</b>	3,764	7,994	7,811	7,422	7,924	6,035



**SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE**

This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. Also required is a forecast of the value of commissioned assets (i.e., the value of RAB additions)  
 EDBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes).  
 This information is not part of audited disclosure information.

sch ref

	Current Year CY for year ended	CY+1 31 Mar 14	CY+2 31 Mar 15	CY+3 31 Mar 16	CY+4 31 Mar 17	CY+5 31 Mar 18
103						
104						
105	<b>11a(iv): Asset Replacement and Renewal</b>					
106	<b>\$000 (in constant prices)</b>					
107	Subtransmission	582	570	586	578	584
108	Zone substations	2,562	2,510	2,576	2,544	2,571
109	Distribution and LV lines	4,192	4,107	4,216	4,163	4,207
110	Distribution and LV cables	699	684	703	694	701
111	Distribution substations and transformers	1,525	1,494	1,534	1,515	1,531
112	Distribution switchgear	5,857	5,738	5,891	5,817	5,878
113	Other network assets	2,350	2,303	2,364	2,334	2,359
114	<b>Asset replacement and renewal expenditure</b>	<b>17,767</b>	<b>17,407</b>	<b>17,869</b>	<b>17,646</b>	<b>17,831</b>
115	less Capital contributions funding asset replacement and renewal					
	<b>Asset replacement and renewal less capital contributions</b>	<b>17,767</b>	<b>17,407</b>	<b>17,869</b>	<b>17,646</b>	<b>22,786</b>
116	<b>11a(v): Asset Relocations</b>					
117	<i>Project or programme*</i>					
118	Asset relocations	935	935	988	1,095	1,139
119	(Description of material project or programme)					
120	(Description of material project or programme)					
121	(Description of material project or programme)					
122	(Description of material project or programme)					
123	<i>*Include additional rows if needed</i>					
124	All other asset relocations projects or programmes					
125	<b>Asset relocations expenditure</b>	<b>935</b>	<b>935</b>	<b>988</b>	<b>1,095</b>	<b>1,139</b>
126	less Capital contributions funding asset relocations	841	778	760	779	777
127	<b>Asset relocations less capital contributions</b>	<b>94</b>	<b>157</b>	<b>228</b>	<b>316</b>	<b>286</b>
128						
129	<b>11a(vi): Quality of Supply</b>					
130	<i>Project or programme*</i>					
131	Programme - Fault Passage Indicators	22	30	44	24	24
132	Wainuiomata Coast Rd - Upgrade	188	150	199	-	-
133	Karori - Reliability improvement	159	122	37	-	-
134	Ngauranga - Reconductoring	112	72	-	-	-
135	(Description of material project or programme)					
136	<i>*Include additional rows if needed</i>					
137	All other quality of supply projects or programmes		24	28	(0)	0
138	<b>Quality of supply expenditure</b>	<b>481</b>	<b>397</b>	<b>308</b>	<b>24</b>	<b>25</b>
139	less Capital contributions funding quality of supply					
140	<b>Quality of supply less capital contributions</b>	<b>481</b>	<b>397</b>	<b>308</b>	<b>24</b>	<b>27</b>
141						
142	<b>11a(vii): Legislative and Regulatory</b>					
143	<i>Project or programme*</i>					
144	(Description of material project or programme)					
145	(Description of material project or programme)					
146	(Description of material project or programme)					
147	(Description of material project or programme)					
148	(Description of material project or programme)					
149	<i>*Include additional rows if needed</i>					
150	All other legislative and regulatory projects or programmes					
151	<b>Legislative and regulatory expenditure</b>	-	-	-	-	-
152	less Capital contributions funding legislative and regulatory					
153	<b>Legislative and regulatory less capital contributions</b>	-	-	-	-	-

**SCHEDULE 11a: REPORT ON FORECAST CAPITAL EXPENDITURE**

This schedule requires a breakdown of forecast expenditure on assets for the current disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. Also required is a forecast of the value of commissioned assets (i.e., the value of RAB additions)  
 EDBs must provide explanatory comment on the difference between constant price and nominal dollar forecasts of expenditure on assets in Schedule 14a (Mandatory Explanatory Notes).  
 This information is not part of audited disclosure information.

sch ref

	for year ended	Current Year CY 31 Mar 13	CY+1 31 Mar 14	CY+2 31 Mar 15	CY+3 31 Mar 16	CY+4 31 Mar 17	CY+5 31 Mar 18
161							
162							
163	<b>11a(viii): Other Reliability, Safety and Environme</b>						
164	<i>Project or programme*</i>	<b>\$000 (in constant prices)</b>					
165	Programme - Earthing Compliance	299	281	225	225	225	169
166	Programme - Lock Replacements	83	38	-	-	-	-
167	Programme - Asbestos Removal	83	58	83	83	83	63
168	Programme - LV Dennis Panel Covers	33	-	-	-	-	-
169	Programme - Local Authority compliance	-	20	121	270	302	438
170	<i>*include additional rows if needed</i>						
171	All other reliability, safety and environment projects or programmes	-	25	43	-	-	-
172	<b>Other reliability, safety and environment expenditure</b>	497	422	472	579	611	670
173	less Capital contributions funding other reliability, safety and environment						
174	<b>Other reliability, safety and environment less capital contributions</b>	497	422	472	579	611	670
175							
176							
177							
178	<b>11a(ix): Non-Network Assets</b>						
179	<b>Routine expenditure</b>						
180	<i>Project or programme*</i>						
181	Control Room	30	6	-	-	-	-
182	Software	392	904	706	682	724	743
183	Contact Centre	15	-	-	-	-	-
184	Communication Provider	142	866	811	405	320	253
185							
186	<i>*include additional rows if needed</i>						
187	All other routine expenditure projects or programmes	-	39	42	0	0	0
188	<b>Routine expenditure</b>	578	1,815	1,559	1,087	1,045	995
189	<b>Atypical expenditure</b>						
190	<i>Project or programme*</i>						
191	[Description of material project or programme]						
192	[Description of material project or programme]						
193	[Description of material project or programme]						
194	[Description of material project or programme]						
195	[Description of material project or programme]						
196	<i>*include additional rows if needed</i>						
197	All other atypical projects or programmes	-	-	-	-	-	-
198	<b>Atypical expenditure</b>	-	-	-	-	-	-
199							
200	<b>Non-network assets expenditure</b>	578	1,815	1,559	1,087	1,045	995

**SCHEDULE 11b: REPORT ON FORECAST OPERATIONAL EXPENDITURE**

This schedule requires a breakdown of forecast operational expenditure for the disclosure year and a 10 year planning period. The forecasts should be consistent with the supporting information set out in the AMP. The forecast is to be expressed in both constant price and nominal dollar terms. EDBs must provide explanatory comment on the difference between constant price and nominal dollar operational expenditure forecasts in Schedule 14a (Mandatory Explanatory Notes). This information is not part of audited disclosure information.

sch ref		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10	
	for year ended	31 Mar 13	31 Mar 14	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	
9	<b>Operational Expenditure Forecast</b>	<b>\$000 (in nominal dollars)</b>											
10	Service interruptions and emergencies	3,766	3,889	4,116	4,356	4,498	4,646	4,798	4,955	5,117	5,284	5,457	
11	Vegetation management	1,126	1,172	1,249	1,322	1,375	1,431	1,489	1,549	1,611	1,676	1,744	
12	Routine and corrective maintenance and inspection	6,655	6,918	7,368	7,798	8,106	8,426	8,759	9,105	9,465	9,839	10,228	
13	Asset replacement and renewal	625	650	693	734	763	794	826	859	894	930	968	
14	<b>Network Opex</b>	<b>12,173</b>	<b>12,629</b>	<b>13,426</b>	<b>14,209</b>	<b>14,743</b>	<b>15,296</b>	<b>15,871</b>	<b>16,468</b>	<b>17,087</b>	<b>17,730</b>	<b>18,397</b>	
15	System operations and network support	3,968	4,105	4,352	4,613	4,773	4,938	5,109	5,285	5,468	5,658	5,854	
16	Business support	13,013	14,021	15,011	16,087	16,861	17,704	18,628	19,645	20,592	21,609	22,703	
17	<b>Non-network opex</b>	<b>16,981</b>	<b>18,126</b>	<b>19,363</b>	<b>20,700</b>	<b>21,633</b>	<b>22,642</b>	<b>23,737</b>	<b>24,930</b>	<b>26,060</b>	<b>27,267</b>	<b>28,557</b>	
18	<b>Operational expenditure</b>	<b>29,153</b>	<b>30,755</b>	<b>32,789</b>	<b>34,909</b>	<b>36,376</b>	<b>37,939</b>	<b>39,608</b>	<b>41,398</b>	<b>43,148</b>	<b>44,997</b>	<b>46,954</b>	
19		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10	
20	for year ended	31 Mar 13	31 Mar 14	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	
21		<b>\$000 (in constant prices)</b>											
22	Service interruptions and emergencies	3,766	3,804	3,937	4,075	4,115	4,157	4,198	4,240	4,282	4,325	4,369	
23	Vegetation management	1,126	1,146	1,195	1,236	1,258	1,280	1,303	1,325	1,349	1,372	1,396	
24	Routine and corrective maintenance and inspection	6,655	6,766	7,048	7,294	7,415	7,539	7,664	7,792	7,922	8,053	8,188	
25	Asset replacement and renewal	625	636	663	686	698	710	723	735	748	761	775	
26	<b>Network Opex</b>	<b>12,173</b>	<b>12,352</b>	<b>12,842</b>	<b>13,291</b>	<b>13,487</b>	<b>13,686</b>	<b>13,888</b>	<b>14,093</b>	<b>14,301</b>	<b>14,512</b>	<b>14,727</b>	
27	System operations and network support	3,968	4,014	4,162	4,315	4,366	4,418	4,470	4,523	4,577	4,631	4,686	
28	Business support	13,013	13,712	14,358	15,048	15,425	15,840	16,300	16,811	17,234	17,688	18,174	
29	<b>Non-network opex</b>	<b>16,981</b>	<b>17,727</b>	<b>18,520</b>	<b>19,364</b>	<b>19,791</b>	<b>20,258</b>	<b>20,771</b>	<b>21,334</b>	<b>21,811</b>	<b>22,319</b>	<b>22,860</b>	
30	<b>Operational expenditure</b>	<b>29,153</b>	<b>30,078</b>	<b>31,362</b>	<b>32,655</b>	<b>33,278</b>	<b>33,944</b>	<b>34,658</b>	<b>35,427</b>	<b>36,112</b>	<b>36,831</b>	<b>37,587</b>	
31	<b>Subcomponents of operational expenditure (where known)</b>												
32	Energy efficiency and demand side management, reduction of energy losses												
33	Direct billing*												
34	Research and Development												
35	Insurance	1,102	1,267	1,457	1,675	1,927	2,216	2,548	2,930	3,223	3,546	3,900	
37	* Direct billing expenditure by suppliers that direct bill the majority of their consumers												
38		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5	CY+6	CY+7	CY+8	CY+9	CY+10	
39	for year ended	31 Mar 13	31 Mar 14	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18	31 Mar 19	31 Mar 20	31 Mar 21	31 Mar 22	31 Mar 23	
41	<b>Difference between nominal and real forecasts</b>	<b>\$000</b>											
42	Service interruptions and emergencies	-	86	179	281	383	489	600	715	834	959	1,089	
43	Vegetation management	-	26	54	85	117	151	186	223	263	304	348	
44	Routine and corrective maintenance and inspection	-	152	321	504	690	887	1,095	1,313	1,543	1,786	2,040	
45	Asset replacement and renewal	-	14	30	47	65	84	103	124	146	169	193	
46	<b>Network Opex</b>	<b>-</b>	<b>278</b>	<b>584</b>	<b>918</b>	<b>1,255</b>	<b>1,611</b>	<b>1,984</b>	<b>2,375</b>	<b>2,786</b>	<b>3,218</b>	<b>3,670</b>	
47	System operations and network support	-	90	189	298	406	520	638	762	892	1,027	1,168	
48	Business support	-	309	653	1,039	1,436	1,864	2,328	2,833	3,358	3,922	4,529	
49	<b>Non-network opex</b>	<b>-</b>	<b>399</b>	<b>843</b>	<b>1,337</b>	<b>1,842</b>	<b>2,384</b>	<b>2,967</b>	<b>3,596</b>	<b>4,249</b>	<b>4,948</b>	<b>5,697</b>	
50	<b>Operational expenditure</b>	<b>-</b>	<b>677</b>	<b>1,427</b>	<b>2,254</b>	<b>3,098</b>	<b>3,994</b>	<b>4,950</b>	<b>5,971</b>	<b>7,036</b>	<b>8,166</b>	<b>9,367</b>	

### SCHEDULE 12a: REPORT ON ASSET CONDITION

This schedule requires a breakdown of asset condition by asset class as at the start of the forecast year. The data accuracy assessment relates to the percentage values disclosed in the asset condition columns. Also required is a forecast of the percentage of units to be replaced in the next 5 years. All information should be consistent with the information provided in the AMP and the expenditure on assets forecast in Schedule 11a. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref

Asset condition at start of planning period (percentage of units by grade)											
	Voltage	Asset category	Asset class	Units	Grade 1	Grade 2	Grade 3	Grade 4	Grade unknown	Data accuracy (1-4)	% of asset forecast to be replaced in next 5 years
7											
8											
9											
10	All	Overhead Line	Concrete poles / steel structure	No.	1.00%	4.00%	25.00%	50.00%	20.00%	3	5.00%
11	All	Overhead Line	Wood poles	No.	5.00%	15.00%	40.00%	20.00%	20.00%	3	20.00%
12	All	Overhead Line	Other pole types	No.	-	-	-	-	N/A	-	-
13	HV	Subtransmission Line	Subtransmission OH up to 66kV conductor	km	-	1.00%	98.00%	1.00%	-	3	1.00%
14	HV	Subtransmission Line	Subtransmission OH 110kV+ conductor	km	-	-	-	-	N/A	-	-
15	HV	Subtransmission Cable	Subtransmission UG up to 66kV (XLPE)	km	-	-	20.50%	79.50%	-	3	-
16	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Oil pressurised)	km	-	15.00%	85.00%	-	-	3	15.00%
17	HV	Subtransmission Cable	Subtransmission UG up to 66kV (Gas pressurised)	km	10.00%	20.00%	70.00%	-	-	3	30.00%
18	HV	Subtransmission Cable	Subtransmission UG up to 66kV (PILC)	km	-	5.00%	95.00%	-	-	3	2.00%
19	HV	Subtransmission Cable	Subtransmission UG 110kV+ (XLPE)	km	-	-	-	-	N/A	-	-
20	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Oil pressurised)	km	-	-	-	-	N/A	-	-
21	HV	Subtransmission Cable	Subtransmission UG 110kV+ (Gas Pressurised)	km	-	-	-	-	N/A	-	-
22	HV	Subtransmission Cable	Subtransmission UG 110kV+ (PILC)	km	-	-	-	-	N/A	-	-
23	HV	Subtransmission Cable	Subtransmission submarine cable	km	-	-	-	-	N/A	-	-
24	HV	Zone substation Buildings	Zone substations up to 66kV	No.	-	-	75.00%	25.00%	-	3	-
25	HV	Zone substation Buildings	Zone substations 110kV+	No.	-	-	-	-	N/A	-	-
26	HV	Zone substation switchgear	22/33kV CB (Indoor)	No.	-	100.00%	-	-	-	3	100.00%
27	HV	Zone substation switchgear	22/33kV CB (Outdoor)	No.	-	-	-	-	N/A	-	-
28	HV	Zone substation switchgear	33kV Switch (Ground Mounted)	No.	-	-	-	-	N/A	-	-
29	HV	Zone substation switchgear	33kV Switch (Pole Mounted)	No.	-	25.00%	75.00%	-	-	3	10.00%
30	HV	Zone substation switchgear	33kV RMU	No.	-	-	-	-	N/A	-	-
31	HV	Zone substation switchgear	50/66/110kV CB (Indoor)	No.	-	-	-	-	N/A	-	-
32	HV	Zone substation switchgear	50/66/110kV CB (Outdoor)	No.	-	-	-	-	N/A	-	-
33	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (ground mounted)	No.	5.00%	10.00%	70.00%	15.00%	-	3	10.00%
34	HV	Zone substation switchgear	3.3/6.6/11/22kV CB (pole mounted)	No.	-	-	-	-	N/A	-	-

### SCHEDULE 12a: REPORT ON ASSET CONDITION

This schedule requires a breakdown of asset condition by asset class as at the start of the forecast year. The data accuracy assessment relates to the percentage values disclosed in the asset condition columns. Also required is a forecast of the percentage of units to be replaced in the next 5 years. All information should be consistent with the information provided in the AMP and the expenditure on assets forecast in Schedule 11a. All units relating to cable and line assets, that are expressed in km, refer to circuit lengths.

sch ref

		Asset condition at start of planning period (percentage of units by grade)									
	Voltage	Asset category	Asset class	Units	Grade 1	Grade 2	Grade 3	Grade 4	Grade unknown	Data accuracy (1-4)	% of asset forecast to be replaced in next 5 years
42											
43											
44											
45	HV	Zone Substation Transformer	Zone Substation Transformers	No.	5.00%	10.00%	75.00%	10.00%	-	3	4.00%
46	HV	Distribution Line	Distribution OH Open Wire Conductor	km	1.00%	10.00%	84.00%	5.00%		3	1.00%
47	HV	Distribution Line	Distribution OH Aerial Cable Conductor	km	1.00%	10.00%	84.00%	5.00%		3	-
48	HV	Distribution Line	SWER conductor	km	-	-	-	-	-	N/A	-
49	HV	Distribution Cable	Distribution UG XLPE or PVC	km	2.00%	8.00%	5.00%	85.00%		3	-
50	HV	Distribution Cable	Distribution UG PILC	km	2.00%	8.00%	80.00%	10.00%		3	2.00%
51	HV	Distribution Cable	Distribution Submarine Cable	km	-	-	-	-	-	N/A	-
52	HV	Distribution switchgear	3.3/6.6/11/22kV CB (pole mounted) - reclosers and sectionalisers	No.	4.00%	16.00%	60.00%	20.00%	-	3	20.00%
53	HV	Distribution switchgear	3.3/6.6/11/22kV CB (Indoor)	No.	5.00%	15.00%	70.00%	10.00%	-	3	10.00%
54	HV	Distribution switchgear	3.3/6.6/11/22kV Switches and fuses (pole mounted)	No.	5.00%	10.00%	66.00%	19.00%	-	3	10.00%
55	HV	Distribution switchgear	3.3/6.6/11/22kV Switch (ground mounted) - except RMU	No.	5.00%	10.00%	75.00%	10.00%		3	15.00%
56	HV	Distribution switchgear	3.3/6.6/11/22kV RMU	No.	5.00%	10.00%	75.00%	10.00%		3	3.00%
57	HV	Distribution Transformer	Pole Mounted Transformer	No.	2.00%	8.00%	45.00%	45.00%		3	2.00%
58	HV	Distribution Transformer	Ground Mounted Transformer	No.	2.00%	8.00%	65.00%	25.00%		3	3.00%
59	HV	Distribution Transformer	Voltage regulators	No.	-	-	-	-	-	N/A	-
60	HV	Distribution Substations	Ground Mounted Substation Housing	No.	5.00%	10.00%	70.00%	15.00%		3	3.00%
61	LV	LV Line	LV OH Conductor	km	2.00%	13.00%	75.00%	10.00%		3	1.00%
62	LV	LV Cable	LV UG Cable	km	1.00%	9.00%	60.00%	30.00%	-	3	2.00%
63	LV	LV Streetlighting	LV OH/UG Streetlight circuit	km	5.00%	10.00%	80.00%	5.00%	-	1	2.00%
64	LV	Connections	OH/UG consumer service connections	No.	5.00%	10.00%	80.00%	5.00%	-	1	2.00%
65	All	Protection	Protection relays (electromechanical, solid state and numeric)	No.	5.00%	10.00%	80.00%	5.00%	-	3	10.00%
66	All	SCADA and communications	SCADA and communications equipment operating as a single system	Lot	5.00%	10.00%	70.00%	15.00%		3	10.00%
67	All	Capacitor Banks	Capacitors including controls	No.	-	-	-	-	-	N/A	-
68	All	Load Control	Centralised plant	Lot	5.00%	15.00%	70.00%	10.00%	-	3	5.00%
69	All	Load Control	Relays	No.	-	-	-	-	-	N/A	-
70	All	Civils	Cable Tunnels	km	-	-	100.00%	-	-	3	-

**SCHEDULE 12b: REPORT ON FORECAST CAPACITY**

This schedule requires a breakdown of current and forecast capacity and utilisation for each zone substation and current distribution transformer capacity. The data provided should be consistent with the information provided in the AMP. Information provided in this table should relate to the operation of the network in its normal steady state configuration.

sch ref

**12b(i): System Growth - Zone Substations**

	Current Peak Load (MVA)	Installed Firm Capacity (MVA)	Security of Supply Classification (type)	Transfer Capacity (MVA)	Utilisation of Installed Firm Capacity %	Installed Firm Capacity +5 years (MVA)	Utilisation of Installed Firm Capacity + 5yrs %	Installed Firm Capacity Constraint +5 years (cause)	Explanation
Existing Zone Substations									
8 Ira St	17.0	24	N-1	9	71%	24	77%	No constraint within +5 years	
Brown Owl	15.5	23	N-1	7	67%	23	72%	No constraint within +5 years	
Evans Bay	15.8	24	N-1	11	66%	24	73%	No constraint within +5 years	
Frederick St	29.2	36	N-1	13	81%	36	90%	Subtransmission circuit	High Demand, Capacity shortfall
Gracefield	12.6	23	N-1	12	55%	23	59%	No constraint within +5 years	
Hataitai	17.6	23	N-1	11	77%	23	82%	No constraint within +5 years	
Johnsonville	18.2	23	N-1	9	79%	23	74%	Subtransmission circuit	High Demand growth north east of Johnsonville - Development of new Sub-division
Karori	17.3	24	N-1	7	72%	24	78%	No constraint within +5 years	
Kenepuru	11.0	23	N-1	9	48%	23	57%	No constraint within +5 years	
Korokoro	11.9	23	N-1	11	52%	23	86%	No constraint within +5 years	
Maidstone	15.0	22	N-1	12	68%	22	74%	No constraint within +5 years	
Mana-Plimmerton	18.9	16	N-1	12	118%	16	128%	Transformer	Capacity Shortfall
Moore St	25.4	36	N-1	14	71%	36	82%	No constraint within +5 years	
Naenae	15.5	23	N-1	11	67%	23	73%	No constraint within +5 years	
Nairn St	17.5	30.1	N-1	16	58%	30	71%	No constraint within +5 years	
Ngauranga	12.8	12	N-1	10	107%	12	115%	Transformer	High Demand growth north east of Ngauranga and in Johnsonville - Development of new Sub-division
Palm Grove	27.5	24	N-1	13	115%	24	125%	Subtransmission circuit	Capacity Shortfall
Petone	10.5	20	N-1	10	53%	20	-	No constraint within +5 years	
Porirua	17.7	20	N-1	14	89%	20	95%	No constraint within +5 years	
Seaview	13.4	22	N-1	12	61%	22	76%	No constraint within +5 years	
Tawa	14.3	16	N-1	13	89%	16	109%	Transformer	Due to high demand growth south of Tawa (Grenada Village)
The Terrace	29.7	36	N-1	21	83%	36	90%	No constraint within +5 years	
Trentham	14.9	23	N-1	10	65%	23	70%	No constraint within +5 years	
University	25.8	24	N-1	21	108%	24	119%	Subtransmission circuit	Capacity Shortfall
Waikowhai	16.2	19	N-1	10	85%	19	90%	No constraint within +5 years	
Wainuiomata	17.0	23	N-1	3	74%	23	80%	No constraint within +5 years	
Waitangirua	14.8	16	N-1	11	93%	16	98%	No constraint within +5 years	
Waterloo	18.0	23	N-1	14	78%	23	85%	No constraint within +5 years	
[Zone Substation_20]					-			[Select one]	

<sup>1</sup> Extend forecast capacity table as necessary to disclose all capacity by each zone substation

**12b(ii): Transformer Capacity**

	(MVA)
Distribution transformer capacity (EDB owned)	1,350
Distribution transformer capacity (Non-EDB owned)	
<b>Total distribution transformer capacity</b>	<b>1,350</b>
Zone substation transformer capacity	1,138

### SCHEDULE 12C: REPORT ON FORECAST NETWORK DEMAND

This schedule requires a forecast of new connections (by consumer type), peak demand and energy volumes for the disclosure year and a 5 year planning period. The forecasts should be consistent with the supporting information set out in the AMP as well as the assumptions used in developing the expenditure forecasts in Schedule 11a and Schedule 11b and the capacity and utilisation forecasts in Schedule 12b.

sch ref

12c(i): Consumer Connections		Number of connections					
		Current Year CY for year ended 31 Mar 13	CY+1 31 Mar 14	CY+2 31 Mar 15	CY+3 31 Mar 16	CY+4 31 Mar 17	CY+5 31 Mar 18
Number of ICPS connected in year by consumer type							
Consumer types defined by EDB*							
	Domestic	717	737	752	760	754	759
	Large Commercial	10	11	11	10	9	10
	Large Industrial	1	-	-	-	-	-
	Medium Commercial	21	20	21	18	20	19
	Small Commercial	460	450	439	440	445	440
	Small Industrial	4	3	3	3	3	3
	Unmetered	53	45	40	35	35	35
	<b>Connections total</b>	<b>1,266</b>	<b>1,266</b>	<b>1,266</b>	<b>1,266</b>	<b>1,266</b>	<b>1,266</b>
*include additional rows if needed							
<b>Distributed generation</b>							
	Number of connections	20	20	20	20	20	20
	Installed connection capacity of distributed generation (MVA)	1	1	1	1	1	1
<b>12c(ii) System Demand</b>							
<b>Maximum coincident system demand (MW)</b>							
	GXP demand	550	555	560	565	571	576
plus	Distributed generation output at HV and above	2	2	2	2	2	2
	<b>Maximum coincident system demand</b>	<b>552</b>	<b>557</b>	<b>562</b>	<b>567</b>	<b>573</b>	<b>578</b>
less	Net transfers to (from) other EDBs at HV and above	-	-	-	-	-	-
	<b>Demand on system for supply to consumers' connection points</b>	<b>552</b>	<b>557</b>	<b>562</b>	<b>567</b>	<b>573</b>	<b>578</b>
<b>Electricity volumes carried (GWh)</b>							
	Electricity supplied from GXPs	2,526	2,560	2,570	2,585	2,603	2,629
less	Electricity exports to GXPs	-	-	-	-	-	-
plus	Electricity supplied from distributed generation	12	12	12	12	12	12
less	Net electricity supplied to (from) other EDBs	-	-	-	-	-	-
	<b>Electricity entering system for supply to ICPS</b>	<b>2,538</b>	<b>2,572</b>	<b>2,582</b>	<b>2,597</b>	<b>2,615</b>	<b>2,641</b>
less	Total energy delivered to ICPS	2,411	2,444	2,453	2,467	2,484	2,509
	<b>Losses</b>	<b>127</b>	<b>129</b>	<b>129</b>	<b>130</b>	<b>131</b>	<b>132</b>
	<b>Load factor</b>	<b>52%</b>	<b>53%</b>	<b>52%</b>	<b>52%</b>	<b>52%</b>	<b>52%</b>
	<b>Loss ratio</b>	<b>5.0%</b>	<b>5.0%</b>	<b>5.0%</b>	<b>5.0%</b>	<b>5.0%</b>	<b>5.0%</b>

Company Name	Wellington Electricity
AMP Planning Period	1 April 2013 – 31 March 2023
Network / Sub-network Name	

### SCHEDULE 12d: REPORT FORECAST INTERRUPTIONS AND DURATION

This schedule requires a forecast of SAIFI and SAIDI for disclosure and a 5 year planning period. The forecasts should be consistent with the supporting information set out in the AMP as well as the assumed impact of planned and unplanned SAIFI and SAIDI on the expenditures forecast provided in Schedule 11a and Schedule 11b.

<i>sch ref</i>		Current Year CY	CY+1	CY+2	CY+3	CY+4	CY+5
	for year ended	31 Mar 13	31 Mar 14	31 Mar 15	31 Mar 16	31 Mar 17	31 Mar 18
8							
9							
10	<b>SAIDI</b>						
11	Class B (planned interruptions on the network)	1.4	1.3	1.3	1.3	1.3	1.3
12	Class C (unplanned interruptions on the network)	41.8	36.3	36.3	36.3	36.3	36.3
13	<b>SAIFI</b>						
14	Class B (planned interruptions on the network)	0.01	0.01	0.01	0.01	0.01	0.01
15	Class C (unplanned interruptions on the network)	0.55	0.57	0.57	0.57	0.57	0.57



**SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY**

This schedule requires information on the EDB'S self-assessment of the maturity of its asset management practices.

Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/documented Information
3	Asset management policy	To what extent has an asset management policy been documented, authorised and communicated?	3	WE has an asset management policy which is derived from the organisational vision and linked to organisational strategies, objectives and targets. WE also has a number of focused policies for the management of discrete assets which are consistent with the corporate AM policy.		Widely used AM practice standards require an organisation to document, authorise and communicate its asset management policy (eg, as required in PAS 55 para 4.2 i). A key pre-requisite of any robust policy is that the organisation's top management must be seen to endorse and fully support it. Also vital to the effective implementation of the policy, is to tell the appropriate people of its content and their obligations under it. Where an organisation outsources some of its asset-related activities, then these people and their organisations must equally be made aware of the policy's content. Also, there may be other stakeholders, such as regulatory authorities and shareholders who should be made aware of it.	Top management. The management team that has overall responsibility for asset management.	The organisation's asset management policy, its organisational strategic plan, documents indicating how the asset management policy was based upon the needs of the organisation and evidence of communication.
10	Asset management strategy	What has the organisation done to ensure that its asset management strategy is consistent with other appropriate organisational policies and strategies, and the needs of stakeholders?	2	The WE AMP considers asset strategy. The work is advanced, however there are currently gaps with regard to all asset categories and long term strategy for all assets.		In setting an organisation's asset management strategy, it is important that it is consistent with any other policies and strategies that the organisation has and has taken into account the requirements of relevant stakeholders. This question examines to what extent the asset management strategy is consistent with other organisational policies and strategies (eg, as required by PAS 55 para 4.3.1 b) and has taken account of stakeholder requirements as required by PAS 55 para 4.3.1 c). Generally, this will take into account the same policies, strategies and stakeholder requirements as covered in drafting the asset management policy but at a greater level of detail.	Top management. The organisation's strategic planning team. The management team that has overall responsibility for asset management.	The organisation's asset management strategy document and other related organisational policies and strategies. Other than the organisation's strategic plan, these could include those relating to health and safety, environmental, etc. Results of stakeholder consultation.
11	Asset management strategy	In what way does the organisation's asset management strategy take account of the lifecycle of the assets, asset types and asset systems over which the organisation has stewardship?	2	Lifecycle strategy has been introduced for the major asset classes such as switchgear, subtransmission cables, poles and transformers, but remains incomplete for all asset classes.		Good asset stewardship is the hallmark of an organisation compliant with widely used AM standards. A key component of this is the need to take account of the lifecycle of the assets, asset types and asset systems. (For example, this requirement is recognised in 4.3.1 d) of PAS 55). This question explores what an organisation has done to take lifecycle into account in its asset management strategy.	Top management. People in the organisation with expert knowledge of the assets, asset types, asset systems and their associated life-cycles. The management team that has overall responsibility for asset management. Those responsible for developing and adopting methods and processes used in asset management	The organisation's documented asset management strategy and supporting working documents.
26	Asset management plan(s)	How does the organisation establish and document its asset management plan(s) across the life cycle activities of its assets and asset systems?	2	The organization is in the process of putting in place comprehensive, documented asset management plans that cover all life cycle activities, clearly aligned to asset management objectives and the asset management strategy.		The asset management strategy need to be translated into practical plan(s) so that all parties know how the objectives will be achieved. The development of plan(s) will need to identify the specific tasks and activities required to optimize costs, risks and performance of the assets and/or asset system(s), when they are to be carried out and the resources required.	The management team with overall responsibility for the asset management system. Operations, maintenance and engineering managers.	The organisation's asset management plan(s).

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
3	Asset management policy	To what extent has an asset management policy been documented, authorised and communicated?	The organisation does not have a documented asset management policy.	The organisation has an asset management policy, but it has not been authorised by top management, or it is not influencing the management of the assets.	The organisation has an asset management policy, which has been authorised by top management, but it has had limited circulation. It may be in use to influence development of strategy and planning but its effect is limited.	The asset management policy is authorised by top management, is widely and effectively communicated to all relevant employees and stakeholders, and used to make these persons aware of their asset related obligations.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
10	Asset management strategy	What has the organisation done to ensure that its asset management strategy is consistent with other appropriate organisational policies and strategies, and the needs of stakeholders?	The organisation has not considered the need to ensure that its asset management strategy is appropriately aligned with the organisation's other organisational policies and strategies or with stakeholder requirements. OR The organisation does not have an asset management strategy.	The need to align the asset management strategy with other organisational policies and strategies as well as stakeholder requirements is understood and work has started to identify the linkages or to incorporate them in the drafting of asset management strategy.	Some of the linkages between the long-term asset management strategy and other organisational policies, strategies and stakeholder requirements are defined but the work is fairly well advanced but still incomplete.	All linkages are in place and evidence is available to demonstrate that, where appropriate, the organisation's asset management strategy is consistent with its other organisational policies and strategies. The organisation has also identified and considered the requirements of relevant stakeholders.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
11	Asset management strategy	In what way does the organisation's asset management strategy take account of the lifecycle of the assets, asset types and asset systems over which the organisation has stewardship?	The organisation has not considered the need to ensure that its asset management strategy is produced with due regard to the lifecycle of the assets, asset types or asset systems that it manages. OR The organisation does not have an asset management strategy.	The need is understood, and the organisation is drafting its asset management strategy to address the lifecycle of its assets, asset types and asset systems.	The long-term asset management strategy takes account of the lifecycle of some, but not all, of its assets, asset types and asset systems.	The asset management strategy takes account of the lifecycle of all of its assets, asset types and asset systems.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
26	Asset management plan(s)	How does the organisation establish and document its asset management plan(s) across the life cycle activities of its assets and asset systems?	The organisation does not have an identifiable asset management plan(s) covering asset systems and critical assets.	The organisation has asset management plan(s) but they are not aligned with the asset management strategy and objectives and do not take into consideration the full asset life cycle (including asset creation, acquisition, enhancement, utilisation, maintenance decommissioning and disposal).	The organisation is in the process of putting in place comprehensive, documented asset management plan(s) that cover all life cycle activities, clearly aligned to asset management objectives and the asset management strategy.	Asset management plan(s) are established, documented, implemented and maintained for asset systems and critical assets to achieve the asset management strategy and asset management objectives across all life cycle phases.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.

Company Name	Wellington Electricity
AMP Planning Period	1 April 2013 – 31 March 2023
Asset Management Standard Applied	PAS 55

**SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)**

Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/document information
27	Asset management plan(s)	How has the organisation communicated its plan(s) to all relevant parties to a level of detail appropriate to the receiver's role in their delivery?	3	The plan(s) are communicated to all relevant employees, stakeholders and contracted service providers to a level of detail appropriate to their participation or business interests in the delivery of the plan(s) and there is confirmation that they are being used effectively. It demonstrably supports business process.		Plans will be ineffective unless they are communicated to all those, including contracted suppliers and those who undertake enabling function(s). The plan(s) need to be communicated in a way that is relevant to those who need to use them.	The management team with overall responsibility for the asset management system. Delivery functions and suppliers.	Distribution lists for plan(s). Documents derived from plan(s) which detail the receivers role in plan delivery. Evidence of communication.
29	Asset management plan(s)	How are designated responsibilities for delivery of asset plan actions documented?	3	The asset management plan consistently documents responsibilities for the delivery actions, and there is adequate detail to enable delivery of actions. Designated responsibility and authority for achievement of asset plan actions is appropriate.		The implementation of asset management plan(s) relies on (1) actions being clearly identified, (2) an owner allocated and (3) that owner having sufficient delegated responsibility and authority to carry out the work required. It also requires alignment of actions across the organisation. This question explores how well the plan(s) set out responsibility for delivery of asset plan actions.	The management team with overall responsibility for the asset management system. Operations, maintenance and engineering managers. If appropriate, the performance management team.	The organisation's asset management plan(s). Documentation defining roles and responsibilities of individuals and organisational departments.
31	Asset management plan(s)	What has the organisation done to ensure that appropriate arrangements are made available for the efficient and cost effective implementation of the plan(s)?  (Note this is about resources and enabling support)	3	The organisation's arrangements fully cover all the requirements for the efficient and cost effective implementation of asset management plan(s) and realistically address the resources and timescales required, and any changes needed to functional policies, standards, processes and the asset management information system. Work is advanced on a long term strategic resource map relative to asset management organisational delivery requirements.		It is essential that the plan(s) are realistic and can be implemented, which requires appropriate resources to be available and enabling mechanisms in place. This question explores how well this is achieved. The plan(s) not only need to consider the resources directly required and timescales, but also the enabling activities, including for example, training requirements, supply chain capability and procurement timescales.	The management team with overall responsibility for the asset management system. Operations, maintenance and engineering managers. If appropriate, the performance management team. Where appropriate the procurement team and service providers working on the organisation's asset-related activities.	The organisation's asset management plan(s). Documented processes and procedures for the delivery of the asset management plan.
33	Contingency planning	What plan(s) and procedure(s) does the organisation have for identifying and responding to incidents and emergency situations and ensuring continuity of critical asset management activities?	3	Emergency management for credible events has been planned and practiced. Further strategies for specific crisis events have been developed.		Widely used AM practice standards require that an organisation has plan(s) to identify and respond to emergency situations. Emergency plan(s) should outline the actions to be taken to respond to specified emergency situations and ensure continuity of critical asset management activities including the communication to, and involvement of, external agencies. This question assesses if, and how well, these plan(s) triggered, implemented and resolved in the event of an incident. The plan(s) should be appropriate to the level of risk as determined by the organisation's risk assessment methodology. It is also a requirement that relevant personnel are competent and trained.	The manager with responsibility for developing emergency plan(s). The organisation's risk assessment team. People with designated duties within the plan(s) and procedure(s) for dealing with incidents and emergency situations.	The organisation's plan(s) and procedure(s) for dealing with emergencies. The organisation's risk assessments and risk registers.

**SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)**

Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
27	Asset management plan(s)	How has the organisation communicated its plan(s) to all relevant parties to a level of detail appropriate to the receiver's role in their delivery?	The organisation does not have plan(s) or their distribution is limited to the authors.	The plan(s) are communicated to some of those responsible for delivery of the plan(s). OR Communicated to those responsible for delivery is either irregular or ad-hoc.	The plan(s) are communicated to most of those responsible for delivery but there are weaknesses in identifying relevant parties resulting in incomplete or inappropriate communication. The organisation recognises improvement is needed as is working towards resolution.	The plan(s) are communicated to all relevant employees, stakeholders and contracted service providers to a level of detail appropriate to their participation or business interests in the delivery of the plan(s) and there is confirmation that they are being used effectively.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
29	Asset management plan(s)	How are designated responsibilities for delivery of asset plan actions documented?	The organisation has not documented responsibilities for delivery of asset plan actions.	Asset management plan(s) inconsistently document responsibilities for delivery of plan actions and activities and/or responsibilities and authorities for implementation inadequate and/or delegation level inadequate to ensure effective delivery and/or contain misalignments with organisational accountability.	Asset management plan(s) consistently document responsibilities for the delivery of actions but responsibility/authority levels are inappropriate/ inadequate, and/or there are misalignments within the organisation.	Asset management plan(s) consistently document responsibilities for the delivery actions and there is adequate detail to enable delivery of actions. Designated responsibility and authority for achievement of asset plan actions is appropriate.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
31	Asset management plan(s)	What has the organisation done to ensure that appropriate arrangements are made available for the efficient and cost effective implementation of the plan(s)?  (Note this is about resources and enabling support)	The organisation has not considered the arrangements needed for the effective implementation of plan(s).	The organisation recognises the need to ensure appropriate arrangements are in place for implementation of asset management plan(s) and is in the process of determining an appropriate approach for achieving this.	The organisation has arrangements in place for the implementation of asset management plan(s) but the arrangements are not yet adequately efficient and/or effective. The organisation is working to resolve existing weaknesses.	The organisation's arrangements fully cover all the requirements for the efficient and cost effective implementation of asset management plan(s) and realistically address the resources and timescales required, and any changes needed to functional policies, standards, processes and the asset management information system.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
33	Contingency planning	What plan(s) and procedure(s) does the organisation have for identifying and responding to incidents and emergency situations and ensuring continuity of critical asset management activities?	The organisation has not considered the need to establish plan(s) and procedure(s) to identify and respond to incidents and emergency situations.	The organisation has some ad-hoc arrangements to deal with incidents and emergency situations, but these have been developed on a reactive basis in response to specific events that have occurred in the past.	Most credible incidents and emergency situations are identified. Either appropriate plan(s) and procedure(s) are incomplete for critical activities or they are inadequate. Training/ external alignment may be incomplete.	Appropriate emergency plan(s) and procedure(s) are in place to respond to credible incidents and manage continuity of critical asset management activities consistent with policies and asset management objectives. Training and external agency alignment is in place.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.

**SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)**

Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/document Information
37	Structure, authority and responsibilities	What has the organisation done to appoint member(s) of its management team to be responsible for ensuring that the organisation's assets deliver the requirements of the asset management strategy, objectives and plan(s)?	3	Good solid accountability for Asset Management responsibility from CEO, through Network GM and through Network Team functional Line Managers		In order to ensure that the organisation's assets and asset systems deliver the requirements of the asset management policy, strategy and objectives responsibilities need to be allocated to appropriate people who have the necessary authority to fulfil their responsibilities. (This question, relates to the organisation's assets eg, para b), s 4.4.1 of PAS 55, making it therefore distinct from the requirement contained in para a), s 4.4.1 of PAS 55).	Top management. People with management responsibility for the delivery of asset management policy, strategy, objectives and plan(s). People working on asset-related activities.	Evidence that managers with responsibility for the delivery of asset management policy, strategy, objectives and plan(s) have been appointed and have assumed their responsibilities. Evidence may include the organisation's documents relating to its asset management system, organisational charts, job descriptions of post-holders, annual targets/objectives and personal development plan(s) of post-holders as appropriate.
40	Structure, authority and responsibilities	What evidence can the organisation's top management provide to demonstrate that sufficient resources are available for asset management?	3	An effective process exists for determining the resources needed for asset management and that sufficient resources are available. It can be demonstrated that resources are matched to asset management requirements. Work is advanced on a long term strategic resource map relative to asset management organisational delivery requirements.		Optimal asset management requires top management to ensure sufficient resources are available. In this context the term 'resources' includes manpower, materials, funding and service provider support.	Top management. The management team that has overall responsibility for asset management. Risk management team. The organisation's managers involved in day-to-day supervision of asset-related activities, such as frontline managers, engineers, foremen and chargehands as appropriate.	Evidence demonstrating that asset management plan(s) and/or the process(es) for asset management plan implementation consider the provision of adequate resources in both the short and long term. Resources include funding, materials, equipment, services provided by third parties and personnel (internal and service providers) with appropriate skills competencies and knowledge.
42	Structure, authority and responsibilities	To what degree does the organisation's top management communicate the importance of meeting its asset management requirements?	3	Communication is guided through the annual AMP disclosures and through weekly and monthly performance meetings with Management teams and Contractors.		Widely used AM practice standards require an organisation to communicate the importance of meeting its asset management requirements such that personnel fully understand, take ownership of, and are fully engaged in the delivery of the asset management requirements (eg, PAS 55 s 4.4.1 g).	Top management. The management team that has overall responsibility for asset management. People involved in the delivery of the asset management requirements.	Evidence of such activities as road shows, written bulletins, workshops, team talks and management walk-about would assist an organisation to demonstrate it is meeting this requirement of PAS 55.
45	Outsourcing of asset management activities	Where the organisation has outsourced some of its asset management activities, how has it ensured that appropriate controls are in place to ensure the compliant delivery of its organisational strategic plan, and its asset management policy and strategy?	2	Whilst significant controls are in place to manage the delivery of AM activities within the outsourced contractors, there are gaps in AM strategy communication and contractor process control. In particular these are with maintenance and reactive fault quality assurance management.		Where an organisation chooses to outsource some of its asset management activities, the organisation must ensure that these outsourced process(es) are under appropriate control to ensure that all the requirements of widely used AM standards (eg, PAS 55) are in place, and the asset management policy, strategy objectives and plan(s) are delivered. This includes ensuring capabilities and resources across a time span aligned to life cycle management. The organisation must put arrangements in place to control the outsourced activities, whether it be to external providers or to other in-house departments. This question explores what the organisation does in this regard.	Top management. The management team that has overall responsibility for asset management. The manager(s) responsible for the monitoring and management of the outsourced activities. People involved with the procurement of outsourced activities. The people within the organisations that are performing the outsourced activities. The people impacted by the outsourced activity.	The organisation's arrangements that detail the compliance required of the outsourced activities. For example, this could form part of a contract or service level agreement between the organisation and the suppliers of its outsourced activities. Evidence that the organisation has demonstrated to itself that it has assurance of compliance of outsourced activities.

**SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)**

Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
37	Structure, authority and responsibilities	What has the organisation done to appoint member(s) of its management team to be responsible for ensuring that the organisation's assets deliver the requirements of the asset management strategy, objectives and plan(s)?	Top management has not considered the need to appoint a person or persons to ensure that the organisation's assets deliver the requirements of the asset management strategy, objectives and plan(s).	Top management understands the need to appoint a person or persons to ensure that the organisation's assets deliver the requirements of the asset management strategy, objectives and plan(s).	Top management has appointed an appropriate people to ensure the assets deliver the requirements of the asset management strategy, objectives and plan(s) but their areas of responsibility are not fully defined and/or they have insufficient delegated authority to fully execute their responsibilities.	The appointed person or persons have full responsibility for ensuring that the organisation's assets deliver the requirements of the asset management strategy, objectives and plan(s). They have been given the necessary authority to achieve this.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
40	Structure, authority and responsibilities	What evidence can the organisation's top management provide to demonstrate that sufficient resources are available for asset management?	The organisation's top management has not considered the resources required to deliver asset management.	The organisations top management understands the need for sufficient resources but there are no effective mechanisms in place to ensure this is the case.	A process exists for determining what resources are required for its asset management activities and in most cases these are available but in some instances resources remain insufficient.	An effective process exists for determining the resources needed for asset management and sufficient resources are available. It can be demonstrated that resources are matched to asset management requirements.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
42	Structure, authority and responsibilities	To what degree does the organisation's top management communicate the importance of meeting its asset management requirements?	The organisation's top management has not considered the need to communicate the importance of meeting asset management requirements.	The organisations top management understands the need to communicate the importance of meeting its asset management requirements but does not do so.	Top management communicates the importance of meeting its asset management requirements but only to parts of the organisation.	Top management communicates the importance of meeting its asset management requirements to all relevant parts of the organisation.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
45	Outsourcing of asset management activities	Where the organisation has outsourced some of its asset management activities, how has it ensured that appropriate controls are in place to ensure the compliant delivery of its organisational strategic plan, and its asset management policy and strategy?	The organisation has not considered the need to put controls in place.	The organisation controls its outsourced activities on an ad-hoc basis, with little regard for ensuring for the compliant delivery of the organisational strategic plan and/or its asset management policy and strategy.	Controls systematically considered but currently only provide for the compliant delivery of some, but not all, aspects of the organisational strategic plan and/or its asset management policy and strategy. Gaps exist.	Evidence exists to demonstrate that outsourced activities are appropriately controlled to provide for the compliant delivery of the organisational strategic plan, asset management policy and strategy, and that these controls are integrated into the asset management system	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.

**SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)**

Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/document Information
48	Training, awareness and competence	How does the organisation develop plan(s) for the human resources required to undertake asset management activities - including the development and delivery of asset management strategy, process(es), objectives and plan(s)?	3	We* can demonstrate that plans are in place and effective in matching competencies and capabilities to the asset management system including the plan for both internal and contracted activities. Plans are reviewed integral to asset management system processes. The organisation's arrangements fully cover all the requirements for the efficient and cost effective implementation of asset management plans and realistically address the resources and timescales required, and any changes needed to functional policies, standards, processes and the asset management information system. Work is advanced on a long term strategic resource map relative to asset management organisational delivery requirements.		There is a need for an organisation to demonstrate that it has considered what resources are required to develop and implement its asset management system. There is also a need for the organisation to demonstrate that it has assessed what development plan(s) are required to provide its human resources with the skills and competencies to develop and implement its asset management systems. The timescales over which the plan(s) are relevant should be commensurate with the planning horizons within the asset management strategy considers e.g. if the asset management strategy considers 5, 10 and 15 year time scales then the human resources development plan(s) should align with these. Resources include both 'in house' and external resources who undertake asset management activities.	Senior management responsible for agreement of plan(s). Managers responsible for developing asset management strategy and plan(s). Managers with responsibility for development and recruitment of staff (including HR functions). Staff responsible for training. Procurement officers. Contracted service providers.	Evidence of analysis of future work load plan(s) in terms of human resources. Document(s) containing analysis of the organisation's own direct resources and contractors resource capability over suitable timescales. Evidence, such as minutes of meetings, that suitable management forums are monitoring human resource development plan(s). Training plan(s), personal development plan(s), contract and service level agreements.
49	Training, awareness and competence	How does the organisation identify competency requirements and then plan, provide and record the training necessary to achieve the competencies?	3	There is the requirement for defined levels of management / technical and AM competencies through Job Descriptions / standard Key competency requirements. These are reviewed six monthly through performance reviews. These are also being reviewed with the intention of developing an AM competencies framework within the company.		Widely used AM standards require that organisations to undertake a systematic identification of the asset management awareness and competencies required at each level and function within the organisation. Once identified the training required to provide the necessary competencies should be planned for delivery in a timely and systematic way. Any training provided must be recorded and maintained in a suitable format. Where an organisation has contracted service providers in place then it should have a means to demonstrate that this requirement is being met for their employees. (eg, PAS 55 refers to frameworks suitable for identifying competency requirements).	Senior management responsible for agreement of plan(s). Managers responsible for developing asset management strategy and plan(s). Managers with responsibility for development and recruitment of staff (including HR functions). Staff responsible for training. Procurement officers. Contracted service providers.	Evidence of an established and applied competency requirements assessment process and plan(s) in place to deliver the required training. Evidence that the training programme is part of a wider, co-ordinated asset management activities training and competency programme. Evidence that training activities are recorded and that records are readily available (for both direct and contracted service provider staff) e.g. via organisation wide information system or local records database.
50	Training, awareness and competence	How does the organization ensure that persons under its direct control undertaking asset management related activities have an appropriate level of competence in terms of education, training or experience?	3	There is the requirement for defined levels of management / technical and AM competencies through Job Descriptions / standard Key competency requirements. These are reviewed six monthly through performance reviews. These are also being reviewed with the intention of developing an AM competencies framework within the company.		A critical success factor for the effective development and implementation of an asset management system is the competence of persons undertaking these activities. organisations should have effective means in place for ensuring the competence of employees to carry out their designated asset management function(s). Where an organisation has contracted service providers undertaking elements of its asset management system then the organisation shall assure itself that the outsourced service provider also has suitable arrangements in place to manage the competencies of its employees. The organisation should ensure that the individual and corporate competencies it requires are in place and actively monitor, develop and maintain an appropriate balance of these competencies.	Managers, supervisors, persons responsible for developing training programmes. Staff responsible for procurement and service agreements. HR staff and those responsible for recruitment.	Evidence of a competency assessment framework that aligns with established frameworks such as the asset management Competencies Requirements Framework (Version 2.0); National Occupational Standards for Management and Leadership; UK Standard for Professional Engineering Competence, Engineering Council, 2005.

Company Name  
 AMP Planning Period  
 Asset Management Standard Applied

Wellington Electricity  
 1 April 2013 – 31 March 2023

**SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)**

Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
48	Training, awareness and competence	How does the organisation develop plan(s) for the human resources required to undertake asset management activities - including the development and delivery of asset management strategy, process(es), objectives and plan(s)?	The organisation has not recognised the need for assessing human resources requirements to develop and implement its asset management system.	The organisation has recognised the need to assess its human resources requirements and to develop a plan(s). There is limited recognition of the need to align these with the development and implementation of its asset management system.	The organisation has developed a strategic approach to aligning competencies and human resources to the asset management system including the asset management plan but the work is incomplete or has not been consistently implemented.	The organisation can demonstrate that plan(s) are in place and effective in matching competencies and capabilities to the asset management system including the plan for both internal and contracted activities. Plans are reviewed integral to asset management system process(es).	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
49	Training, awareness and competence	How does the organisation identify competency requirements and then plan, provide and record the training necessary to achieve the competencies?	The organisation does not have any means in place to identify competency requirements.	The organisation has recognised the need to identify competency requirements and then plan, provide and record the training necessary to achieve the competencies.	The organisation is the process of identifying competency requirements aligned to the asset management plan(s) and then plan, provide and record appropriate training. It is incomplete or inconsistently applied.	Competency requirements are in place and aligned with asset management plan(s). Plans are in place and effective in providing the training necessary to achieve the competencies. A structured means of recording the competencies achieved is in place.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
50	Training, awareness and competence	How does the organization ensure that persons under its direct control undertaking asset management related activities have an appropriate level of competence in terms of education, training or experience?	The organization has not recognised the need to assess the competence of person(s) undertaking asset management related activities.	Competency of staff undertaking asset management related activities is not managed or assessed in a structured way, other than formal requirements for legal compliance and safety management.	The organization is in the process of putting in place a means for assessing the competence of person(s) involved in asset management activities including contractors. There are gaps and inconsistencies.	Competency requirements are identified and assessed for all persons carrying out asset management related activities - internal and contracted. Requirements are reviewed and staff reassessed at appropriate intervals aligned to asset management requirements.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.



**SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)**

Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/documented Information
53	Communication, participation and consultation	How does the organisation ensure that pertinent asset management information is effectively communicated to and from employees and other stakeholders, including contracted service providers?	3	In addition to the annual AMP disclosure, regular contract meetings are held between Safety, Operations, Maintenance, Planning and Capital delivery managers and the respective contractors.		Widely used AM practice standards require that pertinent asset management information is effectively communicated to and from employees and other stakeholders including contracted service providers. Pertinent information refers to information required in order to effectively and efficiently comply with and deliver asset management strategy, plan(s) and objectives. This will include for example the communication of the asset management policy, asset performance information, and planning information as appropriate to contractors.	Top management and senior management representative(s), employee's representative(s), employee's trade union representative(s); contracted service provider management and employee representative(s); representative(s) from the organisation's Health, Safety and Environmental team. Key stakeholder representative(s).	Asset management policy statement prominently displayed on notice boards, intranet and internet; use of organisation's website for displaying asset performance data; evidence of formal briefings to employees, stakeholders and contracted service providers; evidence of inclusion of asset management issues in team meetings and contracted service provider contract meetings; newsletters, etc.
59	Asset Management System documentation	What documentation has the organisation established to describe the main elements of its asset management system and interactions between them?	2	The AMP describes the key attributes of an asset management system however there are gaps in the overall completeness of that system. An effective architectural overview document would provide this visibility and connectivity.		Widely used AM practice standards require an organisation maintain up to date documentation that ensures that its asset management systems (ie, the systems the organisation has in place to meet the standards) can be understood, communicated and operated. (eg, s 4.5 of PAS 55 requires the maintenance of up to date documentation of the asset management system requirements specified throughout s 4 of PAS 55).	The management team that has overall responsibility for asset management. Managers engaged in asset management activities.	The documented information describing the main elements of the asset management system (process(es)) and their interaction.
62	Information management	What has the organisation done to determine what its asset management information system(s) should contain in order to support its asset management system?	2	Various systems are in place for the management of AM information and data. The primary system is GIS. A business review is currently being carried out for the adoption of a proprietary asset management system such as SAP.		Effective asset management requires appropriate information to be available. Widely used AM standards therefore require the organisation to identify the asset management information it requires in order to support its asset management system. Some of the information required may be held by suppliers.  The maintenance and development of asset management information systems is a poorly understood specialist activity that is akin to IT management but different from IT management. This group of questions provides some indications as to whether the capability is available and applied. Note: To be effective, an asset information management system requires the mobilisation of technology, people and process(es) that create, secure, make available and destroy the information required to support the asset management system.	The organisation's strategic planning team. The management team that has overall responsibility for asset management. Information management team. Operations, maintenance and engineering managers	Details of the process the organisation has employed to determine what its asset information system should contain in order to support its asset management system. Evidence that this has been effectively implemented.
63	Information management	How does the organisation maintain its asset management information system(s) and ensure that the data held within it (them) is of the requisite quality and accuracy and is consistent?	3	Controls are in place to manage the quality of the data entered into the asset management system. Development and training is being carried out to manage the consistency of the data collected.		The response to the questions is progressive. A higher scale cannot be awarded without achieving the requirements of the lower scale.  This question explores how the organisation ensures that information management meets widely used AM practice requirements (eg, s 4.4.6 (a), (c) and (d) of PAS 55).	The management team that has overall responsibility for asset management. Users of the organisational information systems.	The asset management information system, together with the policies, procedure(s), improvement initiatives and audits regarding information controls.

**SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)**

Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
53	Communication, participation and consultation	How does the organisation ensure that pertinent asset management information is effectively communicated to and from employees and other stakeholders, including contracted service providers?	The organisation has not recognised the need to formally communicate any asset management information.	There is evidence that the pertinent asset management information to be shared along with those to share it with is being determined.	The organisation has determined pertinent information and relevant parties. Some effective two way communication is in place but as yet not all relevant parties are clear on their roles and responsibilities with respect to asset management information.	Two way communication is in place between all relevant parties, ensuring that information is effectively communicated to match the requirements of asset management strategy, plan(s) and process(es). Pertinent asset information requirements are regularly reviewed.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
59	Asset Management System documentation	What documentation has the organisation established to describe the main elements of its asset management system and interactions between them?	The organisation has not established documentation that describes the main elements of the asset management system.	The organisation is aware of the need to put documentation in place and is in the process of determining how to document the main elements of its asset management system.	The organisation in the process of documenting its asset management system and has documentation in place that describes some, but not all, of the main elements of its asset management system and their interaction.	The organisation has established documentation that comprehensively describes all the main elements of its asset management system and the interactions between them. The documentation is kept up to date.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
62	Information management	What has the organisation done to determine what its asset management information system(s) should contain in order to support its asset management system?	The organisation has not considered what asset management information is required.	The organisation is aware of the need to determine in a structured manner what its asset information system should contain in order to support its asset management system and is in the process of deciding how to do this.	The organisation has developed a structured process to determine what its asset information system should contain in order to support its asset management system and has commenced implementation of the process.	The organisation has determined what its asset information system should contain in order to support its asset management system. The requirements relate to the whole life cycle and cover information originating from both internal and external sources.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
63	Information management	How does the organisation maintain its asset management information system(s) and ensure that the data held within it (them) is of the requisite quality and accuracy and is consistent?	There are no formal controls in place or controls are extremely limited in scope and/or effectiveness.	The organisation is aware of the need for effective controls and is in the process of developing an appropriate control process(es).	The organisation has developed a controls that will ensure the data held is of the requisite quality and accuracy and is consistent and is in the process of implementing them.	The organisation has effective controls in place that ensure the data held is of the requisite quality and accuracy and is consistent. The controls are regularly reviewed and improved where necessary.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/documented Information
64	Information management	How has the organisation's ensured its asset management information system is relevant to its needs?	2	Various systems are in place for the management of AM information and data. The primary systems are GIS and MMS. A business review is currently being carried out for the adoption of a propriety asset management system such as SAP.		Widely used AM standards need not be prescriptive about the form of the asset management information system, but simply require that the asset management information system is appropriate to the organisations needs, can be effectively used and can supply information which is consistent and of the requisite quality and accuracy.	The organisation's strategic planning team. The management team that has overall responsibility for asset management. Information management team. Users of the organisational information systems.	The documented process the organisation employs to ensure its asset management information system aligns with its asset management requirements. Minutes of information systems review meetings involving users.
69	Risk management process(es)	How has the organisation documented process(es) and/or procedure(s) for the identification and assessment of asset and asset management related risks throughout the asset life cycle?	2	Asset related risks have been implemented as part of the risk management framework. There are however gaps surrounding the risks associated with each stage of the lifecycle of assets.		Risk management is an important foundation for proactive asset management. Its overall purpose is to understand the cause, effect and likelihood of adverse events occurring, to optimally manage such risks to an acceptable level, and to provide an audit trail for the management of risks. Widely used standards require the organisation to have process(es) and/or procedure(s) in place that set out how the organisation identifies and assesses asset and asset management related risks. The risks have to be considered across the four phases of the asset lifecycle (eg, para 4.3.3 of PAS 55).	The top management team in conjunction with the organisation's senior risk management representatives. There may also be input from the organisation's Safety, Health and Environment team. Staff who carry out risk identification and assessment.	The organisation's risk management framework and/or evidence of specific process(es) and/or procedure(s) that deal with risk control mechanisms. Evidence that the process(es) and/or procedure(s) are implemented across the business and maintained. Evidence of agendas and minutes from risk management meetings. Evidence of feedback in to process(es) and/or procedure(s) as a result of incident investigation(s). Risk registers and assessments.
79	Use and maintenance of asset risk information	How does the organisation ensure that the results of risk assessments provide input into the identification of adequate resources and training and competency needs?	2	The outputs from the risk management process are included for the requirement to control the risk. Work is ongoing to develop a long term resource strategy based on the asset management forecast which is derived from asset knowledge, risk management and future work programmes.		Widely used AM standards require that the output from risk assessments are considered and that adequate resource (including staff) and training is identified to match the requirements. It is a further requirement that the effects of the control measures are considered, as there may be implications in resources and training required to achieve other objectives.	Staff responsible for risk assessment and those responsible for developing and approving resource and training plan(s). There may also be input from the organisation's Safety, Health and Environment team.	The organisations risk management framework. The organisation's resourcing plan(s) and training and competency plan(s). The organisation should be able to demonstrate appropriate linkages between the content of resource plan(s) and training and competency plan(s) to the risk assessments and risk control measures that have been developed.
82	Legal and other requirements	What procedure does the organisation have to identify and provide access to its legal, regulatory, statutory and other asset management requirements, and how is requirements incorporated into the asset management system?	3	There is a formal mechanism for ensuring we are meeting our reporting obligations. Senior Policy Analyst at Powercor formally checks with the responsible person whether they are on track for meeting the requirements that are due.		In order for an organisation to comply with its legal, regulatory, statutory and other asset management requirements, the organisation first needs to ensure that it knows what they are (eg, PAS 55 specifies this in s 4.4.8). It is necessary to have systematic and auditable mechanisms in place to identify new and changing requirements. Widely used AM standards also require that requirements are incorporated into the asset management system (e.g. procedure(s) and process(es))	Top management. The organisations regulatory team. The organisation's legal team or advisors. The management team with overall responsibility for the asset management system. The organisation's health and safety team or advisors. The organisation's policy making team.	The organisational processes and procedures for ensuring information of this type is identified, made accessible to those requiring the information and is incorporated into asset management strategy and objectives

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**SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)**

Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
64	Information management	How has the organisation's ensured its asset management information system is relevant to its needs?	The organisation has not considered the need to determine the relevance of its management information system. At present there are major gaps between what the information system provides and the organisations needs.	The organisation understands the need to ensure its asset management information system is relevant to its needs and is determining an appropriate means by which it will achieve this. At present there are significant gaps between what the information system provides and the organisations needs.	The organisation has developed and is implementing a process to ensure its asset management information system is relevant to its needs. Gaps between what the information system provides and the organisations needs have been identified and action is being taken to close them.	The organisation's asset management information system aligns with its asset management requirements. Users can confirm that it is relevant to their needs.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
69	Risk management process(es)	How has the organisation documented process(es) and/or procedure(s) for the identification and assessment of asset and asset management related risks throughout the asset life cycle?	The organisation has not considered the need to document process(es) and/or procedure(s) for the identification and assessment of asset and asset management related risks throughout the asset life cycle.	The organisation is aware of the need to document the management of asset related risk across the asset lifecycle. The organisation has plan(s) to formally document all relevant process(es) and procedure(s) or has already commenced this activity.	The organisation is in the process of documenting the identification and assessment of asset related risk across the asset lifecycle but it is incomplete or there are inconsistencies between approaches and a lack of integration.	Identification and assessment of asset related risk across the asset lifecycle is fully documented. The organisation can demonstrate that appropriate documented mechanisms are integrated across life cycle phases and are being consistently applied.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
79	Use and maintenance of asset risk information	How does the organisation ensure that the results of risk assessments provide input into the identification of adequate resources and training and competency needs?	The organisation has not considered the need to conduct risk assessments.	The organisation is aware of the need to consider the results of risk assessments and effects of risk control measures to provide input into reviews of resources, training and competency needs. Current input is typically ad-hoc and reactive.	The organisation is in the process ensuring that outputs of risk assessment are included in developing requirements for resources and training. The implementation is incomplete and there are gaps and inconsistencies.	Outputs from risk assessments are consistently and systematically used as inputs to develop resources, training and competency requirements. Examples and evidence is available.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
82	Legal and other requirements	What procedure does the organisation have to identify and provide access to its legal, regulatory, statutory and other asset management requirements, and how is requirements incorporated into the asset management system?	The organisation has not considered the need to identify its legal, regulatory, statutory and other asset management requirements.	The organisation identifies some its legal, regulatory, statutory and other asset management requirements, but this is done in an ad-hoc manner in the absence of a procedure.	The organisation has procedure(s) to identify its legal, regulatory, statutory and other asset management requirements, but the information is not kept up to date, inadequate or inconsistently managed.	Evidence exists to demonstrate that the organisation's legal, regulatory, statutory and other asset management requirements are identified and kept up to date. Systematic mechanisms for identifying relevant legal and statutory requirements.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/document Information
88	Life Cycle Activities	How does the organisation establish implement and maintain process(es) for the implementation of its asset management plan(s) and control of activities across the creation, acquisition or enhancement of assets. This includes design, modification, procurement, construction and commissioning activities?	2	There are AM policies, procedures and processes in place which deal with the management of assets during the design to commissioning phase. There are procedures to determine how these are derived and prioritised within the asset management plan. There are gaps covering projects accelerated and not included within the AMP, together with works management quality monitoring. These gaps are being addressed.		Life cycle activities are about the implementation of asset management plan(s) i.e. they are the "doing" phase. They need to be done effectively and well in order for asset management to have any practical meaning. As a consequence, widely used standards (eg. PAS 55 s 4.5.1) require organisations to have in place appropriate process(es) and procedure(s) for the implementation of asset management plan(s) and control of lifecycle activities. This question explores those aspects relevant to asset creation.	Asset managers, design staff, construction staff and project managers from other impacted areas of the business, e.g. Procurement	Documented process(es) and procedure(s) which are relevant to demonstrating the effective management and control of life cycle activities during asset creation, acquisition, enhancement including design, modification, procurement, construction and commissioning.
91	Life Cycle Activities	How does the organisation ensure that process(es) and/or procedure(s) for the implementation of asset management plan(s) and control of activities during maintenance (and inspection) of assets are sufficient to ensure activities are carried out under specified conditions, are consistent with asset management strategy and control cost, risk and performance?	3	There is a good general inspection plan in place with remedial actions derived around prioritisation of critical defects. Further work is being carried out in standardising the level of consistency across the the inspection and condition assessment proces and how the results are then optimised within the maintenance planning function. These plans are reviewed and optimised on an annual basis.		Having documented process(es) which ensure the asset management plan(s) are implemented in accordance with any specified conditions, in a manner consistent with the asset management policy, strategy and objectives and in such a way that cost, risk and asset system performance are appropriately controlled is critical. They are an essential part of turning intention into action (eg. as required by PAS 55 s 4.5.1).	Asset managers, operations managers, maintenance managers and project managers from other impacted areas of the business	Documented procedure for review. Documented procedure for audit of process delivery. Records of previous audits, improvement actions and documented confirmation that actions have been carried out.
95	Performance and condition monitoring	How does the organisation measure the performance and condition of its assets?	3	A detailed inspection plan is in place with identified and remediated defects reported to the SMT on a monthly basis. Although the majority of measures are reactive in application, leading asset condition and performance measure indicators have been introduced and are driving changes in performance management. Gaps in data and data quality exist however this is being addressed through a proactive review audit review process.		Widely used AM standards require that organisations establish implement and maintain procedure(s) to monitor and measure the performance and/or condition of assets and asset systems. They further set out requirements in some detail for reactive and proactive monitoring, and leading/lagging performance indicators together with the monitoring or results to provide input to corrective actions and continual improvement. There is an expectation that performance and condition monitoring will provide input to improving asset management strategy, objectives and plan(s).	A broad cross-section of the people involved in the organisation's asset-related activities from data input to decision-makers, i.e. an end-to end assessment. This should include contactors and other relevant third parties as appropriate.	Functional policy and/or strategy documents for performance or condition monitoring and measurement. The organisation's performance monitoring frameworks, balanced scorecards etc. Evidence of the reviews of any appropriate performance indicators and the action lists resulting from these reviews. Reports and trend analysis using performance and condition information. Evidence of the use of performance and condition information shaping improvements and supporting asset management strategy, objectives and plan(s).
99	Investigation of asset-related failures, incidents and nonconformities	How does the organisation ensure responsibility and the authority for the handling, investigation and mitigation of asset-related failures, incidents and emergency situations and non conformances is clear, unambiguous, understood and communicated?	3	Audits are taken on major faults and asset related failures over a selected threshold value. All asset related failures, incidents and Near misses are reported and logged through a defined process with trending carried out on failures, incidents, near misses and defects. Corrective actions are managed through a weekly review and action process.		Widely used AM standards require that the organisation establishes implements and maintains process(es) for the handling and investigation of failures incidents and non-conformities for assets and sets down a number of expectations. Specifically this question examines the requirement to define clearly responsibilities and authorities for these activities, and communicate these unambiguously to relevant people including external stakeholders if appropriate.	The organisation's safety and environment management team. The team with overall responsibility for the management of the assets. People who have appointed roles within the asset-related investigation procedure, from those who carry out the investigations to senior management who review the recommendations. Operational controllers responsible for managing the asset base under fault conditions and maintaining services to consumers. Contractors and other third parties as appropriate.	Process(es) and procedure(s) for the handling, investigation and mitigation of asset-related failures, incidents and emergency situations and non conformances. Documentation of assigned responsibilities and authority to employees. Job Descriptions, Audit reports. Common communication systems i.e. all Job Descriptions on internet etc.

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**SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)**

Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
88	Life Cycle Activities	How does the organisation establish implement and maintain process(es) for the implementation of its asset management plan(s) and control of activities across the creation, acquisition or enhancement of assets. This includes design, modification, procurement, construction and commissioning activities?	The organisation does not have process(es) in place to manage and control the implementation of asset management plan(s) during activities related to asset creation including design, modification, procurement, construction and commissioning.	The organisation is aware of the need to have process(es) and procedure(s) in place to manage and control the implementation of asset management plan(s) during activities related to asset creation including design, modification, procurement, construction and commissioning but currently do not have these in place (note: procedure(s) may exist but they are inconsistent/incomplete).	The organisation is in the process of putting in place process(es) and procedure(s) to manage and control the implementation of asset management plan(s) during activities related to asset creation including design, modification, procurement, construction and commissioning. Gaps and inconsistencies are being addressed.	Effective process(es) and procedure(s) are in place to manage and control the implementation of asset management plan(s) during activities related to asset creation including design, modification, procurement, construction and commissioning.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
91	Life Cycle Activities	How does the organisation ensure that process(es) and/or procedure(s) for the implementation of asset management plan(s) and control of activities during maintenance (and inspection) of assets are sufficient to ensure activities are carried out under specified conditions, are consistent with asset management strategy and control cost, risk and performance?	The organisation does not have process(es)/procedure(s) in place to control or manage the implementation of asset management plan(s) during this life cycle phase.	The organisation is aware of the need to have process(es) and procedure(s) in place to manage and control the implementation of asset management plan(s) during this life cycle phase but currently do not have these in place and/or there is no mechanism for confirming they are effective and where needed modifying them.	The organisation is in the process of putting in place process(es) and procedure(s) to manage and control the implementation of asset management plan(s) during this life cycle phase. They include a process for confirming the process(es)/procedure(s) are effective and if necessary carrying out modifications.	The organisation has in place process(es) and procedure(s) to manage and control the implementation of asset management plan(s) during this life cycle phase. They include a process, which is itself regularly reviewed to ensure it is effective, for confirming the process(es)/ procedure(s) are effective and if necessary carrying out modifications.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
95	Performance and condition monitoring	How does the organisation measure the performance and condition of its assets?	The organisation has not considered how to monitor the performance and condition of its assets.	The organisation recognises the need for monitoring asset performance but has not developed a coherent approach. Measures are incomplete, predominantly reactive and lagging. There is no linkage to asset management objectives.	The organisation is developing coherent asset performance monitoring linked to asset management objectives. Reactive and proactive measures are in place. Use is being made of leading indicators and analysis. Gaps and inconsistencies remain.	Consistent asset performance monitoring linked to asset management objectives is in place and universally used including reactive and proactive measures. Data quality management and review process are appropriate. Evidence of leading indicators and analysis.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
99	Investigation of asset-related failures, incidents and nonconformities	How does the organisation ensure responsibility and the authority for the handling, investigation and mitigation of asset-related failures, incidents and emergency situations and non conformances is clear, unambiguous, understood and communicated?	The organisation has not considered the need to define the appropriate responsibilities and the authorities.	The organisation understands the requirements and is in the process of determining how to define them.	The organisation are in the process of defining the responsibilities and authorities with evidence. Alternatively there are some gaps or inconsistencies in the identified responsibilities/authorities.	The organisation have defined the appropriate responsibilities and authorities and evidence is available to show that these are applied across the business and kept up to date.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.

SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)

Question No.	Function	Question	Score	Evidence—Summary	User Guidance	Why	Who	Record/documented Information
105	Audit	What has the organisation done to establish procedure(s) for the audit of its asset management system (process(es))?	2	Whilst the audit program is mature and targeted to areas of risk and quality delivery, there are some areas of the asset management system and process which are not covered within the current audit regime		This question seeks to explore what the organisation has done to comply with the standard practice AM audit requirements (eg, the associated requirements of PAS 55 s 4.6.4 and its linkages to s 4.7).	The management team responsible for its asset management procedure(s). The team with overall responsibility for the management of the assets. Audit teams, together with key staff responsible for asset management. For example, Asset Management Director, Engineering Director. People with responsibility for carrying out risk assessments	The organisation's asset-related audit procedure(s). The organisation's methodology(s) by which it determined the scope and frequency of the audits and the criteria by which it identified the appropriate audit personnel. Audit schedules, reports etc. Evidence of the procedure(s) by which the audit results are presented, together with any subsequent communications. The risk assessment schedule or risk registers.
109	Corrective & Preventative action	How does the organisation instigate appropriate corrective and/or preventive actions to eliminate or prevent the causes of identified poor performance and non conformance?	3	Incidents and root cause analysis investigations and corrective actions are logged, reviewed and discussed at a weekly Network Management Team meeting.		Having investigated asset related failures, incidents and non-conformances, and taken action to mitigate their consequences, an organisation is required to implement preventative and corrective actions to address root causes. Incident and failure investigations are only useful if appropriate actions are taken as a result to assess changes to a business risk profile and ensure that appropriate arrangements are in place should a recurrence of the incident happen. Widely used AM standards also require that necessary changes arising from preventive or corrective action are made to the asset management system.	The management team responsible for its asset management procedure(s). The team with overall responsibility for the management of the assets. Audit and incident investigation teams. Staff responsible for planning and managing corrective and preventive actions.	Analysis records, meeting notes and minutes, modification records. Asset management plan(s), investigation reports, audit reports, improvement programmes and projects. Recorded changes to asset management procedure(s) and process(es). Condition and performance reviews. Maintenance reviews
113	Continual Improvement	How does the organisation achieve continual improvement in the optimal combination of costs, asset related risks and the performance and condition of assets and asset systems across the whole life cycle?	2	Continual improvement and optimisation of asset health, costs and risks across the whole asset lifecycle are in place although need to be finalised and fully implemented and embedded. Continuous improvement processes are set out and include consideration of cost risk, performance and condition for assets managed across the whole life cycle but it is not yet being systematically applied.		Widely used AM standards have requirements to establish, implement and maintain process(es)/procedure(s) for identifying, assessing, prioritising and implementing actions to achieve continual improvement. Specifically there is a requirement to demonstrate continual improvement in optimisation of cost risk and performance/condition of assets across the life cycle. This question explores an organisation's capabilities in this area—looking for systematic improvement mechanisms rather than reviews and audit (which are separately examined).	The top management of the organisation. The manager/team responsible for managing the organisation's asset management system, including its continual improvement. Managers responsible for policy development and implementation.	Records showing systematic exploration of improvement. Evidence of new techniques being explored and implemented. Changes in procedure(s) and process(es) reflecting improved use of optimisation tools/techniques and available information. Evidence of working parties and research.
115	Continual Improvement	How does the organisation seek and acquire knowledge about new asset management related technology and practices, and evaluate their potential benefit to the organisation?	3	Being part of a wider international group, WE* does place a high level of importance on learnings that can be made from sister companies within the group and from within the industry in New Zealand. Interaction with AM practitioners outside of the electricity sector is limited.		One important aspect of continual improvement is where an organisation looks beyond its existing boundaries and knowledge base to look at what 'new things are on the market'. These new things can include equipment, process(es), tools, etc. An organisation which does this (eg, by the PAS 55 s 4.6 standards) will be able to demonstrate that it continually seeks to expand its knowledge of all things affecting its asset management approach and capabilities. The organisation will be able to demonstrate that it identifies any such opportunities to improve, evaluates them for suitability to its own organisation and implements them as appropriate. This question explores an organisation's approach to this activity.	The top management of the organisation. The manager/team responsible for managing the organisation's asset management system, including its continual improvement. People who monitor the various items that require monitoring for 'change'. People that implement changes to the organisation's policy, strategy, etc. People within an organisation with responsibility for investigating, evaluating, recommending and implementing new tools and techniques, etc.	Research and development projects and records, benchmarking and participation knowledge exchange professional forums. Evidence of correspondence relating to knowledge acquisition. Examples of change implementation and evaluation of new tools, and techniques linked to asset management strategy and objectives.

**SCHEDULE 13: REPORT ON ASSET MANAGEMENT MATURITY (cont)**

Question No.	Function	Question	Maturity Level 0	Maturity Level 1	Maturity Level 2	Maturity Level 3	Maturity Level 4
105	Audit	What has the organisation done to establish procedure(s) for the audit of its asset management system (process(es))?	The organisation has not recognised the need to establish procedure(s) for the audit of its asset management system.	The organisation understands the need for audit procedure(s) and is determining the appropriate scope, frequency and methodology(s).	The organisation is establishing its audit procedure(s) but they do not yet cover all the appropriate asset-related activities.	The organisation can demonstrate that its audit procedure(s) cover all the appropriate asset-related activities and the associated reporting of audit results. Audits are to an appropriate level of detail and consistently managed.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
109	Corrective & Preventative action	How does the organisation instigate appropriate corrective and/or preventative actions to eliminate or prevent the causes of identified poor performance and non conformance?	The organisation does not recognise the need to have systematic approaches to instigating corrective or preventative actions.	The organisation recognises the need to have systematic approaches to instigating corrective or preventative actions. There is ad-hoc implementation for corrective actions to address failures of assets but not the asset management system.	The need is recognized for systematic instigation of preventive and corrective actions to address root causes of non compliance or incidents identified by investigations, compliance evaluation or audit. It is only partially or inconsistently in place.	Mechanisms are consistently in place and effective for the systematic instigation of preventive and corrective actions to address root causes of non compliance or incidents identified by investigations, compliance evaluation or audit.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
113	Continual Improvement	How does the organisation achieve continual improvement in the optimal combination of costs, asset related risks and the performance and condition of assets and asset systems across the whole life cycle?	The organisation does not consider continual improvement of these factors to be a requirement, or has not considered the issue.	A Continual Improvement ethos is recognised as beneficial, however it has just been started, and or covers partially the asset drivers.	Continuous improvement process(es) are set out and include consideration of cost risk, performance and condition for assets managed across the whole life cycle but it is not yet being systematically applied.	There is evidence to show that continuous improvement process(es) which include consideration of cost risk, performance and condition for assets managed across the whole life cycle are being systematically applied.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.
115	Continual Improvement	How does the organisation seek and acquire knowledge about new asset management related technology and practices, and evaluate their potential benefit to the organisation?	The organisation makes no attempt to seek knowledge about new asset management related technology or practices.	The organisation is inward looking, however it recognises that asset management is not sector specific and other sectors have developed good practice and new ideas that could apply. Ad-hoc approach.	The organisation has initiated asset management communication within sector to share and, or identify 'new' to sector asset management practices and seeks to evaluate them.	The organisation actively engages internally and externally with other asset management practitioners, professional bodies and relevant conferences. Actively investigates and evaluates new practices and evolves its asset management activities using appropriate developments.	The organisation's process(es) surpass the standard required to comply with requirements set out in a recognised standard.  The assessor is advised to note in the Evidence section why this is the case and the evidence seen.



Company Name Wellington Electricity Lines Limited (WELL)

For Year Ended 31 March 2013

## **Schedule 14 Mandatory Explanatory Notes**

*(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012)*

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 2.5.2.
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 12 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 clause 2.7.1(2).

**Box 1: Explanatory comment on return on investment**

The return on investment (ROI) for 2012 and 2013 is below the 75<sup>th</sup> percentile estimate of WACC.

There has been no information reclassified in accordance with clause 2.7.1(2)

*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 regulatory line income' other than gains and losses on asset sales, as disclosed in 3(i) of Schedule 3
- 5.2 information on reclassified items in accordance with clause 2.7.1(2).

**Box 2: Explanatory comment on regulatory profit**

'Other regulatory line income' includes:

- charges for new connections, upgrades, decommissioning and temporary disconnections and reconnections for safety;
- sales of scrap metal and cables; and
- loss rental rebates received and passed on.

There has been no information reclassified in accordance with clause 2.7.1(2)

*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 clause 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**

N/A: there have been no mergers or acquisitions in the disclosure year.

*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 clause 2.7.1(2).

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

The regulatory asset base (rolled forward) in Schedule 4 has been updated to comply with the Electricity Distribution Information Disclosure Determination 2012.

During the 2013 disclosure year there were transfers of \$156K between network spares and various network assets. There were no other reclassifications.

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

8. In the box below, provide descriptions and workings of the following items, as recorded in the asterisked categories in 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**

WELL has recorded expenditure before tax that is not deductible of \$168K. This includes non-deductible entertainment and legal expenses in accordance with the New Zealand Tax Legislation.

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

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

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

Other temporary differences include doubtful debts and other accruals not deductible in the current period in accordance with the New Zealand Tax Legislation.

*Related party transactions: disclosure of related party transactions (Schedule 5b)*

10. In the box below, provide descriptions of related party transactions beyond those disclosed on schedule 5b including identification and descriptions as to the nature of directly attributable costs disclosed under clause 2.3.6(1)(b).

**Box 7: Related party transactions**

International Infrastructure Services Company Limited (NZ Branch) provides back office and IT support services to WELL. The back office and IT support services include but are not limited to: legal, audit, strategy, corporate affairs, finance, regulatory, human resources, customer services, network operations management and development etc.

International Infrastructure Services Company Limited (NZ Branch) also provides system operation services to WELL. This includes the management and operation of WELL's network control room.

During the disclosure year WELL paid CHED Services Pty Limited for arranging certain advertising services for WELL.

During the year WELL paid Cheung Kong Infrastructure Holdings Limited and Power Assets Investments Limited for professional fees and Directors expenses.

*Cost allocation (Schedule 5d)*

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

**Box 8: Cost allocation**

N/A: There is no cost allocation required. All costs are directly attributable to electricity distribution services. There are no reclassified items.

*Asset allocation (Schedule 5e)*

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

**Box 9: Commentary on asset allocation**

N/A: There is no asset allocation required. All assets are directly attributable to electricity distribution services. There are no reclassified items.

## Capital Expenditure for the Disclosure Year (Schedule 6a)

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

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

13.2 information on reclassified items in accordance with clause 2.7.1(2),

**Box 10: Explanation of capital expenditure for the disclosure year**

13.1 In the Report on Capital Expenditure for the Disclosure Year set out in Schedule 6a, information for 6a(iii)-6a(ix) is not required to be disclosed as part of the transitional provisions. Therefore the description of the materiality threshold applied is not required.

13.2 Schedule 6a has been prepared in accordance with the Electricity Distribution Information Disclosure Determination 2012. There are no other reclassifications.

*Operational Expenditure for the Disclosure Year (Schedule 6b)*

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

14.1 commentary on assets replaced or renewed with asset replacement and renewal operating expenditure, as reported in 6b(i) of Schedule 6b;

14.2 information on reclassified items in accordance with clause 2.7.1(2);

14.3 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 11: Explanation of operational expenditure for the disclosure year**

14.1 Asset replacement and renewal includes expenditure to replace or renew assets where the expenditure is not capitalised under GAAP.

14.2 In the current year the Management Fee for back office and system operations of \$12,753k was allocated based on the number of full time equivalents and the nature of services provided. Accordingly this expenditure was allocated across the following categories:

- Routine and Corrective Maintenance and Inspection (\$1,275k),
- System Operations and Network Support (\$2,933k); and
- Business Support (\$8,545k).

This allocation is slightly different from 2012 following a review of this cost allocation by Management. In 2012 this expenditure was allocated to the following categories:

- System Operations and Network Support (\$3,350k); and
- Business Support (\$8,202k).

During 2013 WELL reviewed the descriptions and allocations of the categories and believe that the allocation based on the number of full time equivalent employees and the services they provide is appropriate and reflective of the nature of the services provided.

14.3 There was no material atypical expenditure included in operational expenditure in the disclosure year.

*Variance between forecast and actual expenditure (Schedule 7)*

15. 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 clause 2.7.1(2).

**Box 12: Explanatory comment on variance in actual to forecast expenditure**

***Capital Expenditure: System Growth***

The variance compared to forecast is due to:

- the timing of several larger 11Kv reinforcement projects; and
- the purchase of land for a future zone substation costing less than forecast.

***Capital Expenditure: Asset Replacement and Renewal***

The variance compared to forecast is due to higher than anticipated levels of pole replacements and a higher number of incidents requiring replacement work.

***Capital Expenditure: Asset Relocations***

The variance compared to forecast is due to the unplanned relocation of various poles.

***Capital Expenditure: Quality of Supply***

The variance compared to forecast is due to unplanned enhancements to the earthing systems and feeders.

***Operational Expenditure: Service Interruptions and Emergencies***

The variance is due to higher than expected unplanned replacements resulting from incidents on the network rather than repairs.

***Operational Expenditure: Routine and Corrective Maintenance and Inspection***

The variance compared to forecast is due to:

- the reclassification of some of the management fee expenditure as explained in Schedule 14 Box 11; and
- unplanned corrective maintenance mainly due to a cable leak on subtransmission cables.

*Information relating to revenue and quantities for the disclosure year*

16. In the box below provide-

- 16.1 a comparison of the target revenue disclosed before the start of the disclosure year, in accordance with clauses 2.4.1 and 2.4.3(3) to total billed line charge revenue for the disclosure year, as disclosed in Schedule 8; and
- 16.2 explanatory comment on reasons for any material differences between target revenue and total billed line charge revenue.

**Box 13: Explanatory comment relating to revenue for the disclosure year**

The target revenue of \$159,908K (Schedule 7) is consistent with the actual revenue earned of \$160,056K (Schedule 8).

There are no material differences between the target revenue and total billed line charge revenue.

*Network Reliability for the Disclosure Year (Schedule 10)*

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

**Box 14: Commentary on network reliability for the disclosure year**

WELL has complied with the Default Price-Quality Path reliability limits for SAIFI, but exceeded its reliability limits for SAIDI in the 2012/13 regulatory year as shown in the table below:

	Limit 2012/13	Actual 2012/13	Variance
<b>SAIDI</b>	40.744	43.290	6.25%
<b>SAIFI</b>	0.602	0.573	-4.82%

**WELL Reliability 2012/13**

None of the outages qualify as major event days and therefore cannot be excluded from the final SAIDI and SAIFI results. However the Wellington region was subject to a major weather event on 8 September 2012 where wind speeds in excess of 140 kilometres per hour significantly affected the network and triggered the declaration of a major event response for WELL. The total SAIDI and SAIFI for this period was 7.841 minutes (19.25% of the SAIDI limit for the year) and 0.048 (8% of the SAIFI limit for the year), respectively.



*Insurance cover*

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

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

18.2 in respect of any self insurance, the level of reserves, details of how reserves are managed and invested, and details of any reinsurance.

**Box 15: Explanation of insurance cover**

WELL holds combined Material Damage (MD) and Business Interruption (BI) insurance of \$150m with BI cover limited to \$25m by certain underwriters. WELL insures 86 key asset locations, including WELL's GXP assets, zone substations, some critical distribution substations and its office fitout at Petone. The insured assets have a combined market value of \$167.2m. WELL's MD and BI insurance is currently placed on the Australian and London insurance markets.

The balance of WELL's assets are uninsured. WELL has no reserve provisions.

WELL is not self-insured and is making no ex-ante provisions for damage to uninsured network assets.

Company Name Wellington Electricity Lines Limited (WELL)  
For Year Ended 31 March 2013

## **Schedule 14a Mandatory Explanatory Notes on Forecast Information**

*(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012)*

1. This Schedule provides for EDBs to provide explanatory notes to reports prepared in accordance with clause 2.6.5.
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 disclosure year, as disclosed in Schedule 11a.

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

The difference represents annual inflation of 2.25% per year. The inflation rate is obtained from the Reserve Bank website for the September Quarter 2012 and sits within the Reserve Bank's target range for inflation.

*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 disclosure year, as disclosed in Schedule 11b.

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

The difference represents annual inflation of 2.25% per year. The inflation rate is obtained from the Reserve Bank website for the September Quarter 2012 and sits within the Reserve Bank's target range for inflation.

Company Name Wellington Electricity Lines Limited (WELL)  
For Year Ended 31 March 2013

## **Schedule 14b Mandatory Explanatory Notes on Transitional Financial Information**

*(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012)*

1. This Schedule provides for EDBs to provide explanatory notes to the transitional financial information disclosed in accordance with clause 2.12.1.
2. This Schedule is mandatory—EDBs must provide the explanatory comment specified below, in accordance with clause 2.12.1. This information is part of the audited disclosure information, and so is subject to the assurance requirements specified in section 2.8.
3. In the box below provide explanatory comment on the tax effect of other temporary differences for the years ending 31 March 2010, 31 March 2011 and 31 March 2012 (as reported in Schedule 5h(vii)).

**Box 1: Commentary on tax effect of other temporary differences (years ended 31 March 2010, 31 March 2011, and 31 March 2012)**

Other temporary differences include doubtful debts and other accruals not deductible in the current period.

4. To the extent that any change in regulatory profit and ROI reported for 2013 (compared to that reported for 2012) is attributable to the change in treatment of related party transactions, provide an explanation of the change in the box below.

**Box 2: Change in regulatory profit and ROI due to change in treatment of related party transactions**

There is no change in the regulatory profit and ROI for 2013 compared to 2012 attributable to the change in treatment of related party transactions. All related party transactions are treated as either price paid or Directors certification (refer to Schedule 5b).

5. In the box below, comment on asset allocation as disclosed in Schedule 5e. This comment must include information on reclassified items in accordance with clause 2.7.1(2) for disclosure years 2011 and 2012.

**Box 3: Commentary on asset allocation**

N/A: There is no asset allocation required. All the assets are directly attributable to electricity distribution services. There are no reclassified items.

Company Name Wellington Electricity Lines Limited (WELL)

For Year Ended 31 March 2013

## Schedule 15 Voluntary Explanatory Notes

*(In this Schedule, clause references are to the Electricity Distribution Information Disclosure Determination 2012)*

1. This Schedule enable 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, 2.5.2, and 2.6.5;
  - 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**

Schedule 8 for the regulatory year ended 31 March 2012:

In the past WELL did not internally report volumes at a tariff level. Therefore WELL did not have the required level of data in the 2011/12 regulatory year. To complete this schedule WELL re-engineered the volumes by dividing revenue by the 2011/12 published rates.

For the regulatory year ended 31 March 2013 WELL reported volumes by tariff level and therefore the Schedule could be completed accordingly.

Schedule 5b for the regulatory year ended 31 March 2012:

This schedule is only required to be completed for assets acquired from a related party. WELL did not acquire an asset from a related party in the disclosure year ended 31 March 2012.

## Schedule 18 Certification for Year-end Disclosures

Clause 2.9.2 of section 2.9

We, Andrew Hunter and Loi Shun Chan, being directors of Wellington Electricity Lines Limited certify that, having made all reasonable enquiry, to the best of our knowledge-

- a) the information prepared for the purposes of clauses 2.3.1 and 2.3.2; and clauses 2.4.21 and 2.4.22; clauses 2.5.1 and 2.5.2; and clauses 2.7.1 and 2.7.2 of the Electricity Distribution Information Disclosure Determination 2012 in all material respects complies with that determination; and
- b) the historical information used in the preparation of Schedules 8, 9a, 9b, 9c, 9d, 9e, 10, 14a and 14b has been properly extracted from the Wellington Electricity Lines Limited's accounting and other records sourced from its financial and non-financial systems, and that sufficient appropriate records have been retained; and
- c) the forecasts in Schedules 11a, 11b, 12a, 12b, 12c and 12d are based on objective and reasonable assumptions which both align with Wellington Electricity Lines Limited's corporate vision and strategy and are documented in retained records.

In respect of related party costs recorded in accordance with clauses 2.3.6(1) (when valued in accordance with clause 2.2.11(5)(h)(ii) of the Electricity Distribution Services Input Methodologies Determination 2010), 2.3.6(2)(f) and 2.3.7(2)(b), we certify that, having made all reasonable enquiry, including enquiries of our related parties, we are satisfied that to the best of our knowledge and belief the costs recorded for related party transactions reasonably reflect the price or prices that would have been paid or received had these transactions been at arm's-length.



Andrew Hunter



Loi Shun Chan

23 August 2013

## Schedule 19 Certification for Transitional Disclosures

Clause 2.9.3 of section 2.9

We, Andrew Hunter and Loi Shun Chan, being directors of Wellington Electricity Lines Limited certify that, having made all reasonable enquiry, to the best of our knowledge, the information prepared for the purpose of clauses 2.12.1, 2.12.2, 2.12.3, and 2.12.5 of the Electricity Distribution Information Disclosure Determination 2012 in all material respects complies with that determination.



Andrew Hunter



Loi Shun Chan

23 August 2013



## **INDEPENDENT AUDITOR'S REPORT TO THE DIRECTORS OF WELLINGTON ELECTRICITY LINES LIMITED AND THE COMMERCE COMMISSION**

### **Report on the Disclosure Information**

We have been engaged by the Board of Directors of Wellington Electricity Lines Limited ('the Company') to conduct a reasonable assurance engagement to provide an opinion on whether Schedules 1 to 4, 5a to 5i, 6a and 6b, 7, Schedule 10 sub-schedules (i) to (iv), the explanatory notes disclosed in boxes 1 to 12 of Schedule 14 and the explanatory comments in Schedule 14b ('the audited Disclosure Information') of the Company for the disclosure year ended 31 March 2013 have been prepared, in all material respects, in accordance with the Electricity Distribution Information Disclosure Determination 2012 ('the Determination').

### ***Responsibilities of the Board of Directors for the Disclosure Report***

The Board of Directors is responsible for the preparation of the Disclosure Information in accordance with the Determination, and for such internal control as the Board of Directors determine is necessary to enable the preparation of the Disclosure information that is free from material misstatement, whether due to fraud or error.

### ***Auditor's responsibility***

Our responsibility is to express an opinion on whether the Disclosure Information has been prepared, in all material respects, in accordance with the Determination.

We conducted our engagement in accordance with the International Standard on Assurance Engagements (New Zealand) 3000: *Assurance Engagements Other Than Audits or Reviews of Historical Financial Information* and the Standard on Assurance Engagements 3100: *Compliance Engagements* issued by the External Reporting Board.

These standards require that we comply with ethical requirements and plan and perform our audit to provide reasonable assurance about whether the Disclosure Information has been prepared in all material respects in accordance with the Determination.

An audit involves performing procedures to obtain evidence about the amounts and disclosures in the Disclosure Information. The procedures selected depend on the auditor's judgement, including the assessment of the risks of material misstatement of the Disclosure Information, whether due to fraud or error or non-compliance with the Determination. In making those risk assessments, the auditor considers internal control relevant to the Company's preparation of the Disclosure Information in order to design audit procedures that are appropriate in the circumstances, but not for the purpose of expressing an opinion on the effectiveness of the company's internal control.

We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our audit opinion.

### ***Inherent limitations***

Because of the inherent limitations in evidence gathering procedures, it is possible that fraud, error or non-compliance may occur and not be detected. As the procedures performed for this engagement are not performed continuously throughout the year and the procedures performed in respect of the Company's compliance with the Determination are undertaken on a test basis, our engagement cannot be relied on to detect all instances where the Company may not have complied with the Determination.

Our opinion has been formed on the above basis.



## *Independence*

Other than in our capacity as auditor, we have no relationship with or interests in the Company. We have complied with the Independent Auditor provisions specified in clause 1.4.3 of the Determination.

## *Opinion*

We have obtained all the information and explanations we have required.

In our opinion;

- As far as appears from an examination of them, proper records to enable the complete and accurate compilation of the audited Disclosure Information for the year ended 31 March 2013 have been kept by the Company;
- The information used in the preparation of the audited Disclosure Information for the year ended 31 March 2013 has been properly extracted from the Company's accounting and other records and has been sourced, where appropriate, from the Company's financial and non-financial systems; and
- The Company has complied with the Determination, in all material respects, in preparing the audited Disclosure Information for the year ended 31 March 2013.

## **Restriction on Distribution and Use**

This report has been prepared for the Directors of the Company and the Commerce Commission in accordance with the reporting requirements of clause 2.8 of the Determination.

We accept or assume no duty, responsibility or liability to any other party, other than you, in connection with the report or this engagement including without limitation, liability for negligence in relation to the opinion expressed in our report.



**Chartered Accountants**

23 August 2013

Wellington, New Zealand